

Carbonell et al.
Figure S1

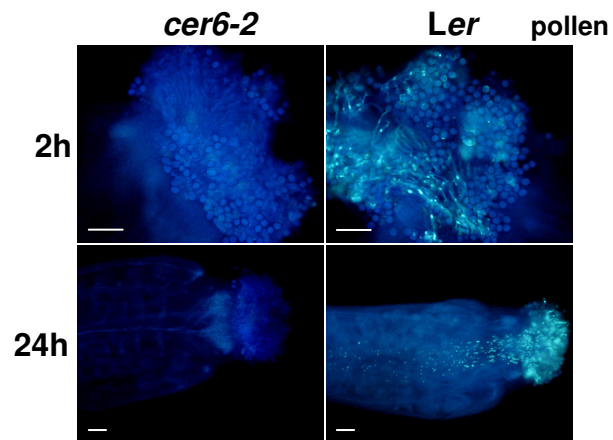


Figure S1. Germination of pollen in *cer6-2*

Images of aniline blue-stained stigma and whole pistils of *cer6-2*, pollinated with *cer6-2* (left panels) or *Ler* pollen (right panels). Pollen tubes (callose) appear fluorescent. Scale bar is 100 μ m.

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Figure S2

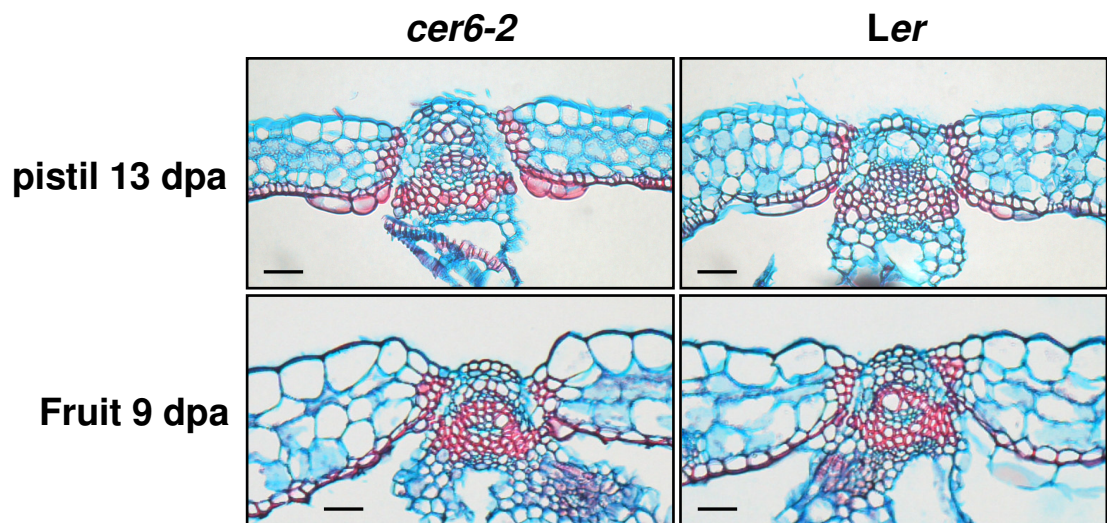


Figure S2. Lignin deposition in unfertilized pistils and fruits

Transversal sections of unfertilized pistils of 13 dpa and seeded fruits of 9 dpa of both the *cer6-2* mutant and the parental *Ler*. Samples were fixed and embedded in paraffin. Lignin was stained with alcian blue-safranin. Scale bar is 20 μ m.

Carbonell et al. Figure S3

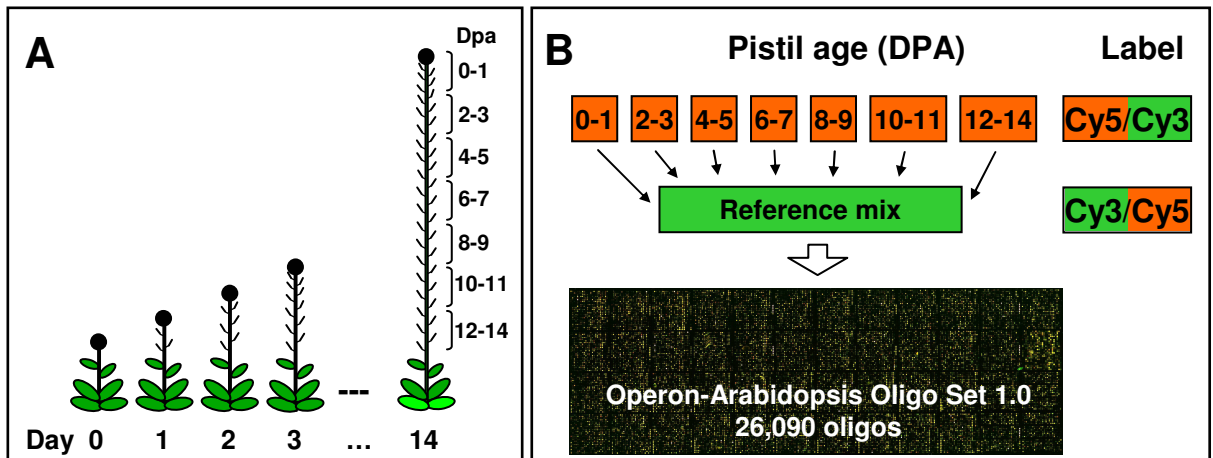


Figure S3. Diagram of experimental design for the microarray analysis

A, Plants of *cer6-2* were grown at low relative humidity and the position and number of each flower at anthesis in the primary inflorescence was registered every day to date pistil age. **B**, For microarray analysis, pistils were harvested according to age, and compared using a common reference design. Two biological replicates were used and each was analyzed twice with dye-swap (four slides per time point).

Carbonell et al. Figure S4

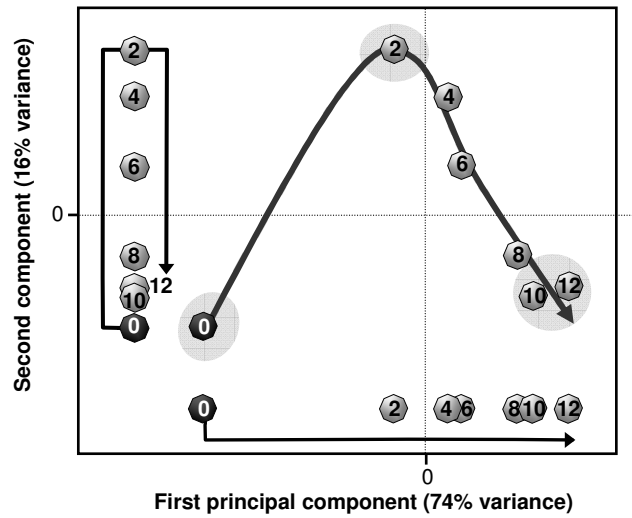


Figure S4. Two component-PCA of gene expression during post-anthesis pistil development

Averaged expression of significant genes on each time-point was used. A “developmental path” connecting the different samples is indicated by a grey arrow. Diagrams on the left and bottom indicate the directional path followed by the components. The most divergent time point samples (0-1 DPA, 2-3 DPA, and the average from 10-11 and 12-14 DPA) are highlighted.

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Figure S5**

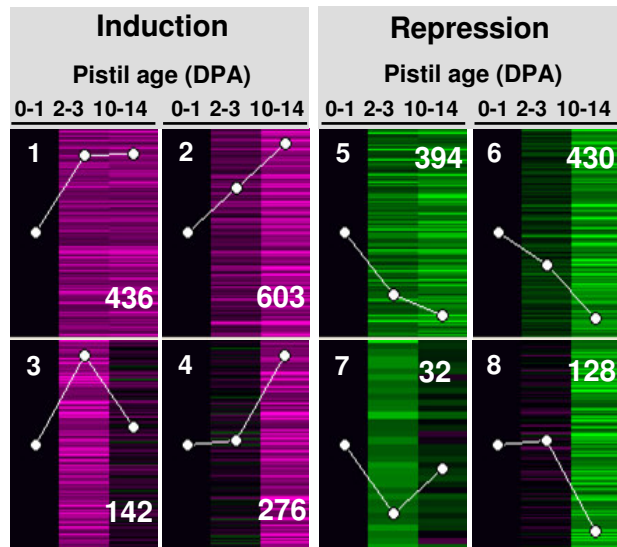


Figure S5. Clustering in a 4x2 SOM analysis of significant genes
SOM clustering analysis of significantly regulated genes (Supplemental Table S3). Magenta, green, and black colors indicate increased, decreased or unchanged expression relative to 0-1 DPA, respectively. The number of non-redundant genes in each class is indicated. The graphs represent the average expression profile in each cluster.

Figure S6

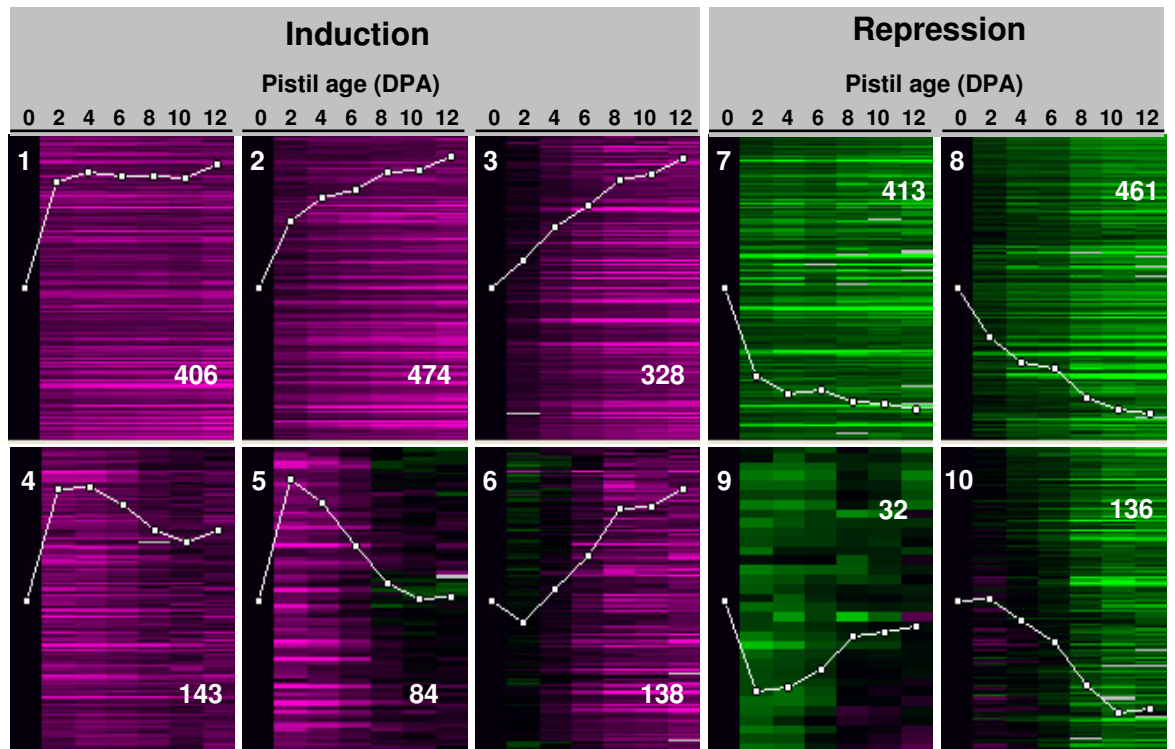


Figure S6. Clustering in a 5x2 SOM analysis of significant genes identified in the complete dataset

The SOM analysis over the significantly regulated genes identified in the complete dataset and included in the Supplemental Table S2, produced six temporal expression patterns of up-regulated and four of down-regulated genes. Magenta, green, and black colors indicate increased, decreased or unchanged expression relative to 0-1 DPA, respectively. The number on the right side of each SOM refers to the non-redundant genes included on the same. The graphs represent the average expression profile in each cluster.

Figure S7

Figure S7. Distribution of genes contributing to the second component in the PCA

A, Loading plot diagram showing the contribution to the variance of the significantly regulated genes identified in the PCA (Supplemental Fig. S4). Individual genes are represented as points. The genes contributing to the second PC (separating 2-6 DPA pistils samples from the rest) ($[\text{second PC score}] > 1.3$; shown in Supplemental Table S2) are highlighted, those positively supporting the second PC in magenta, and those negatively in green. **B**, Microarray gene expression profiles of genes significantly contributing to the second component ($[\text{second PC score}] > 1.3$).

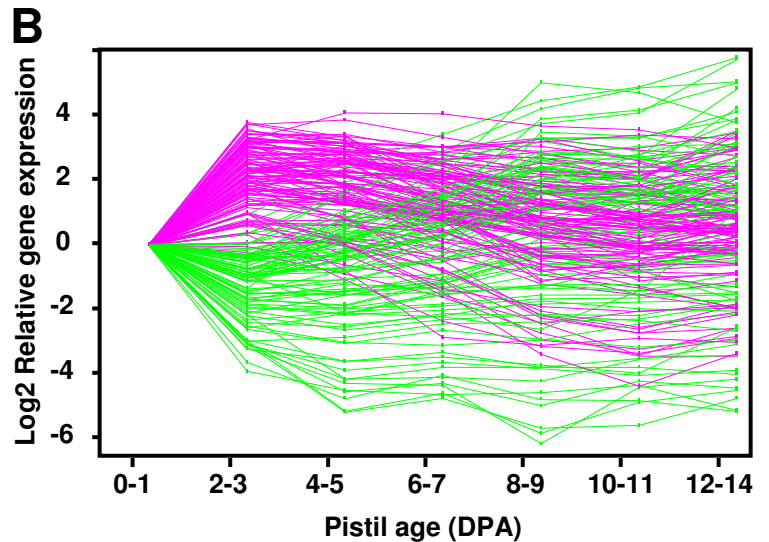
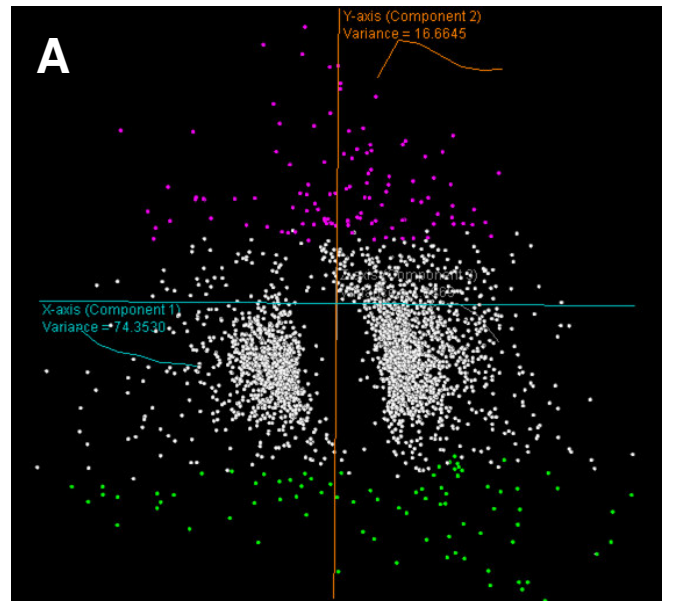


Figure S8

Figure S8. Distribution of genes specifically contributing to the second component and not to the first component of the PCA

A, Loading plot diagram showing the contribution to the variance of the significantly regulated genes identified in the PCA (Supplemental Fig. S4). Genes contributing most to the second PC and not to the first ([second PC score] > 1.3 and [first PC score] < 1.3; shown in Supplemental Table S2) are highlighted, those positively supporting the second component and not the first are in magenta, and those contributing negatively in green. **B**, Microarray gene expression profiles of genes contributing most to the second component and not the first ([second PC score] > 1.3 and [first PC score] < 1.3).

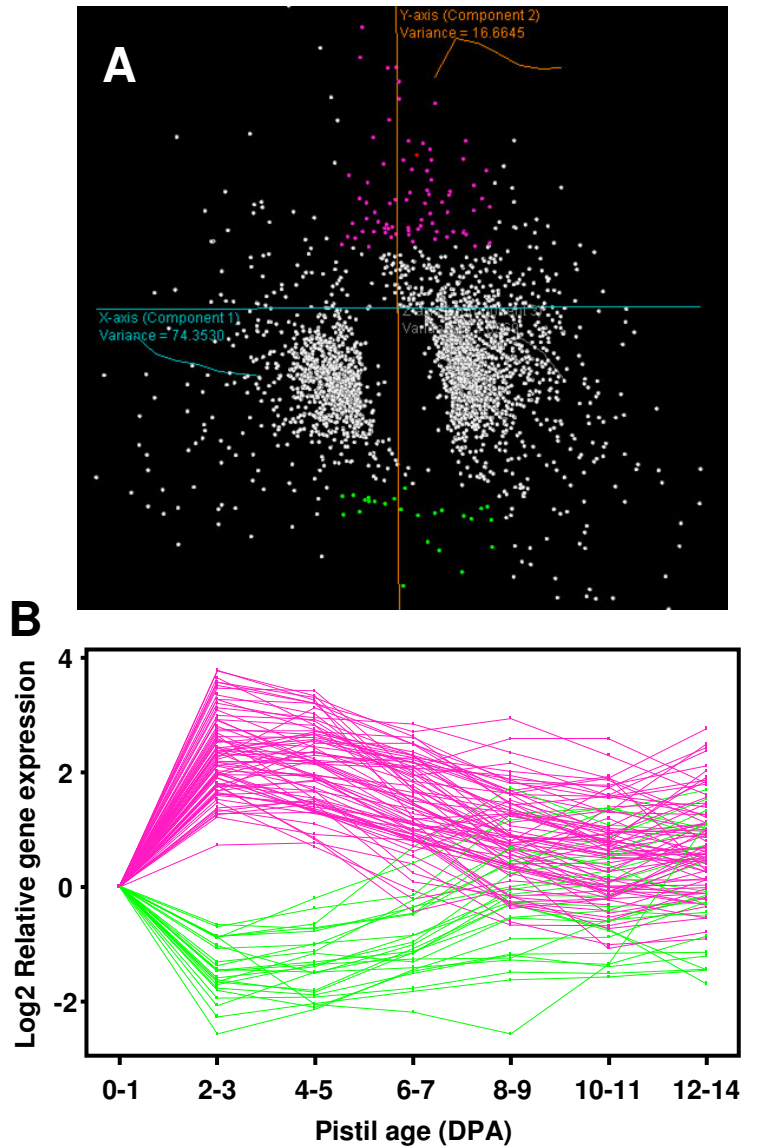


Figure S9

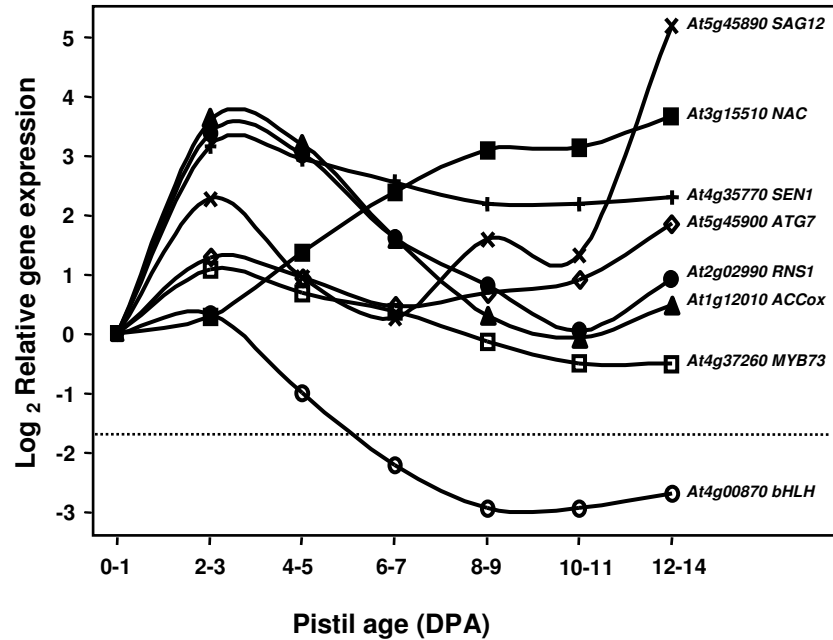


Figure S9. Microarray expression of genes selected for qRT-PCR analysis

Relative gene expression (log₂ relative to the expression at 0-1 DPA) for ACC oxidase *At1g12010* (▲); ribonuclease *RNS1 At2g02990* (●); NAC *At3g15510* (■), *MYB73 At4g37260* (□), and bHLH *At4g00870* (○) transcription factors; and senescence-related *SEN1 At4g35770* (+), *SAG12 At5g45890* (x), and *ATG7 At5g45900* (◇), from DNA microarray analysis of unfertilized pistil (Supplemental Table S1 and S2).

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Figure S10

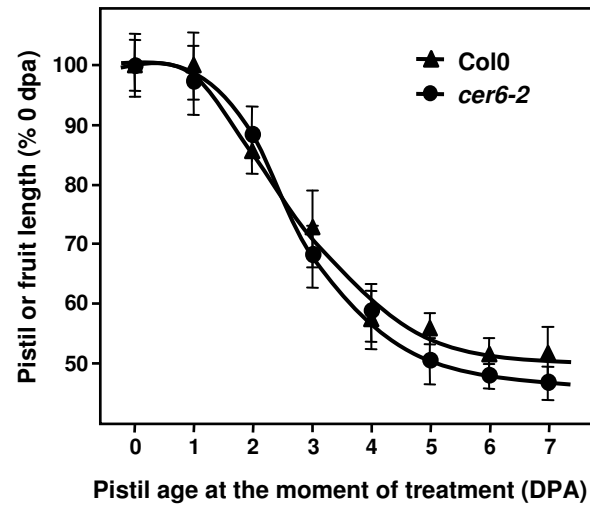


Figure S10. Loss of Col0 pistil responsiveness to GA₃

Pistils of *cer6-2* in Col0 (●) or emasculated flowers of Col0 (▲) were treated with GA₃ at different ages. Pistil or fruit length was measured 10 days after GA₃ treatment, and data were plotted against the age of the pistil at the moment of treatment. Data are mean ± SD of at least 25 pistils per age. The experiment was repeated three times.

Supplemental File 1: Microarray analysis

Results and Discussion: Global gene expression of unfertilized pistils

To identify molecular events occurring during pistil post-anthesis development, gene expression was analyzed using long oligonucleotide microarrays. Experimental setup is depicted in Supplemental Figure S3. It should be pointed out that the analysis we have performed represents the average transcriptome of all pistil elements. Clearly, different pistil elements and cell types may have different gene expression patterns (Brandt et al., 2002) but major trends during unfertilized pistil development can be drawn.

General overview

Out of the genes whose expression was detected (Supplemental Table S1), a total of 2611 genes (2672 probes) were differentially expressed in the pistil, based on 3% false discovery rate (FDR) in a multiclass Significant Analysis of Microarrays (SAM) analysis and at least two-fold change relative to anthesis (Supplemental Table S2). The general pattern of transcript changes was first explored by Principal Component Analysis (PCA), using the expression values at each time point of the 2672 differentially expressed probes. The first principal component (first PC), which explained most of the variance (74%), was associated with the time dimension and illustrates the largest variability from 0-1 to 2-3 DPA, with slighter changes from 2-3 to 12-14 DPA (Supplemental Fig. S4). An analysis of the loading plots of the first component identified mainly genes with progressive changes in gene expression, generally showing their largest shift between 0-1 and 2-3 DPA (Supplemental Table S2). The second PC, which explained 15% of the variance, was given by genes showing a maximum or minimum of their expression at 2-3 or 4-5 DPA (Supplemental Fig. S7 and Supplemental Table S2). The most divergent stages, defined by 0-1, 2-3, and 10-14 DPA, were therefore considered the most informative. Data from these three stages were used in a simplified dataset to search of differentially expressed genes, resulting in a total of 2434 significant genes (Supplemental Table S4). Those significant genes were sorted into eight clusters according to temporal expression patterns using a Self-organizing Maps (SOM) analysis (Supplemental Fig. S5 and Supplemental Table S3). Four SOMs included

genes up-regulated after anthesis (60% of all significant genes) and were classified as early up-regulated genes (18%; SOM1); progressively up-regulated (25%; SOM2); transiently up-regulated with a maximum at 2-3 DPA (5%; SOM3) and up-regulated at late stages (11%; SOM4). Similarly, repressed genes (40% of total regulated genes) were also sorted into four SOMs: genes down-regulated early after anthesis (16%; SOM5); progressively down-regulated (18%; SOM6); repressed with a minimum in expression at 2-3 DPA (1%; SOM7); and down-regulated at later stages (5%, SOM8). In addition, a SOM analysis with the complete dataset (Supplemental Table S4) was also carried out with very similar result (Supplemental Fig. S6). The SOM clustering again reflected that most prominent changes in gene expression occurred between anthesis and 2 DPA, both considering the number of differential genes and the magnitude of changes. Among the regulated genes within the complete dataset, 26% were induced at least two-fold between 0-1 and 2-3 DPA. To study this early shift in the transcriptome in more detail, we carried out an analysis comparing the expression data from 0-1 and 2-3 DPA. A total of 779 genes up-regulated from 0-1 to 2-3 DPA were identified based on a 3% FDR in a two-class SAM analysis and two-fold change (Supplemental Table S4). Interestingly, part of this early activated program was only transient as reflected by SOM3 and the second PC in the PCA (Supplemental Table S2).

Functional implications of transcriptomic changes

To gain insight into the biological meaning of the transcriptional changes detected during post-anthesis pistil development, a functional enrichment assessment was conducted. We used the biological function gene annotation defined by the Gene Ontology (GO) Consortium (Ashburner et al., 2000) in combination with an algorithm implemented by the FatiGO application, which returns adjusted p -values based on a multiple testing approach (Al-Shahrour et al., 2005).

Functional enrichment analysis was carried out first with the genes clustered in each temporal expression pattern (Supplemental Fig. S5 and Supplemental Table S3) but also with those identified as significantly up-regulated at 2 DPA (Supplemental Table S4). The resulting over-represented GO terms on SOMs 1 to 4 of up-regulated genes (Supplemental Table S5), and

on the genes up-regulated at 2 DPA (Supplemental Table S6), suggested activated processes related with a) ovary wall development (light response, Clp protease complex, secondary cell wall biosynthesis); b) senescence and degradation (ageing and senescence, autophagy, peroxisomal β -oxidation, amino acid catabolism, and sulfur [S] assimilation), and c) cellular homeostasis (trehalose biosynthesis and response to desiccation). On the other hand, terms over-represented among the repressed genes in SOMs 5, 6, and 8 (Supplemental Table S6) suggested that the most relevant repressed functions were related with metabolic processes such as d) chromatin assembly, e) protein biosynthesis, f) amino acid biosynthesis, and g) protein folding. The plausible significance of these processes is discussed:

Activated processes: ovary wall development

Light response, Circadian rhythm and Stomatal movement terms are enriched in the cluster of genes progressively up-regulated. These genes include *STN7* that encodes a thylakoidal protein kinase important for the adaptation of the photosystems to changes in light conditions (Bellafiore et al., 2005; Bonardi et al., 2005) and the cryptochrome encoding gene *CRY1*, which has a critical role in the response to high irradiance (Kleine et al., 2007). The activation of both, *STN7* and *CRY1*, might be given by the exposure of the pistil to light after flower opening. On the other hand, the increase in stomata aperture reported here (Fig. 2; Table 1) might be related with the up-regulation observed for the calcium channel encoding *TPC1* (Peiter et al., 2005), the phosphatase *PP2CA* (Kuhn et al., 2006), and the major plasma membrane H⁺-ATPase *AHA1* (Merlot et al., 2007).

Clp protease complex. Activation of this kind of ATP-dependent proteolysis in the pistil is reflected by the progressive up-regulation of genes encoding components of the complex. The up-regulation of these genes, including *ClpC1* and *ClpR1*, may be related with plastid development (Sjögren et al., 2004; Koussevitzky et al., 2007; Stanne et al., 2009) in the ovary wall and with the concomitant chlorophyll *b* biosynthesis (Nakagawara et al., 2007). Indeed, increase of chlorophyll levels (Fig. 3A) clearly correlates with the up-regulation of these genes.

Secondary cell wall biosynthesis. Secondary cell wall biosynthetic genes were up-regulated in pistils from 6 DPA, and reached their maxima at 8 DPA, timing fully coincident with the sclerenchyma differentiation in the subepidermal adaxial cell layer (Fig. 2G). These genes include all three genes encoding Cesa proteins (*IRX1*, *IRX3*, and *IRX5*), required to synthesize cellulose specifically in the secondary cell wall (Gardiner et al., 2003; Taylor et al., 2003); the laccase encoding *IRX12*, involved in lignin biosynthesis; and *IRX9*, necessary for normal glucuronoxyylan elongation and specifically expressed in cells undergoing secondary wall thickening (Brown et al., 2005; Peña et al., 2007).

Activated processes: senescence and degradation

Ageing and senescence. These are the most significantly up-regulated categories from anthesis to 2-3 DPA, and they include the regulators of senescence *ORE9*, *AtNAP*, *CPR5*, and *AHK3*. A marked expression of the F-box *ORE9* gene has been reported in ovules and styles in anthesis flowers (Stirnberg et al., 2007), where it may regulate short longevity (Woo et al., 2001). *AHK3* is the cytokinin receptor involved in the cytokinin-dependent control of leaf longevity (Kim et al., 2006; Riefler et al., 2006). *AHK3* is up-regulated in pistils at 2-3 DPA and its expression remains high up to 12-14 DPA. This contrasts with the anti-senescing role of cytokinin. However, it is possible that a reduction in cytokinin levels during the senescence of some pistil elements results in increased receptor expression as part of a homeostatic control mechanism of the response to the hormone. Indeed, the down-regulation of the cytokinin primary response A-type *ARR* gene *ARR6* (Supplemental Table S2) is also consistent with depletion in the levels of this hormone, since *ARR6* is induced by cytokinins in an *AHK3*-dependent manner (Kim et al., 2006). Regarding effectors of the senescence process, *SAG12*, *RNS1*, *SEN1*, and *SAG13* were also induced in pistils from 2-3 DPA.

Autophagy. This is another key process activated from 2-3 DPA. *ATG5* and *ATG7*, which are important for proper nutrient recycling and senescence (Doelling et al., 2002; Thompson et al., 2005), were up-regulated along with several members of the *ATG8* family.

Peroxisomal β -oxidation. The three genes encoding peroxisomal citrate synthase (*CSY*) were up-regulated from 2-3 DPA. *CSY* activity is required for peroxisomal fatty acid oxidation (Pracharoenwattana et al. 2005), whereas the up-regulation of the 3-ketoacyl-CoA thiolase-encoding *KAT2*, which has been found to be important for leaf senescence (Castillo and Leon, 2008), further supports the activation of fatty acids oxidation during pistil senescence.

Sulfur assimilation. This GO term is over-represented within all up-regulated genes (data not shown). Interestingly, S assimilation has also been found activated during silique senescence, but not in the senescence of leaves or petals (Wagstaff et al., 2009). A likely explanation for the specific activation in pistil and silique senescence is their high content on the S-containing glucosinolates (Brown et al., 2003).

Repressed processes: Protein biosynthesis

Consistent with the decrease in the protein content (Fig. 3B), we identified the most significant inactivated process to be related with *Translation*. Almost half of the genes in this GO term were down-regulated, particularly among genes with progressive fall in expression, but also among those early or late repressed. However, during leaf and silique valve senescence, *Photosynthesis* is by far the most significant inactivated process (Wagstaff et al., 2009), while it was not repressed during the first 14 DPA of unfertilized pistil development, indicating again that the pistil tissues that undergo senescence within the first 14 DPA are mainly non-photosynthetic. Coordinated with the breakdown of protein, *Amino acid biosynthesis* and *Protein folding* were inactivated as well, probably reflecting the fact that they are no longer needed.

Finally, we carried out a biological assessment of genes contributing to the second but not to the first PC of the PCA (Supplemental Table S7). These genes showed transient changes in expression mainly at 2-3 DPA, 75% of them being early and transiently up-regulated (Supplemental Fig. S8). These included the senescence-related nucleases *RNS1*, *RNS3* and *BFN1* and several peptidases, including *CEP1* which is expressed in senescing ovules (Gietl and Schmid, 2001). Interestingly, *Aging* was the single GO term

significantly over-represented (Supplemental Table S8), indicating that constituents of the pistil; probably including transmitting tract, stigma, and ovules, undergo early senescence independently of the growth observed in other parts of the pistil (i.e. the ovary wall).

Materials and Methods

Microarray construction, hybridization and scanning

Long-oligonucleotide DNA microarrays, from the Operon Arabidopsis Genome Oligo Set Version 1.0, provided by Dr. Galbraith (University of Arizona, <http://www.ag.arizona.edu/microarray/>) were used. Microarray construction, hybridization and analysis were as described in Bueso et al. (2007).

In order to analyze global gene expression, unfertilized *cer6-2* pistils between anthesis and 14 DPA, were sorted according to age in 7 time-points (0-1, 2-3, 4-5, 6-7, 8-9, 10-11, and 12-14 DPA), and aminoallyl-amplified-RNA was obtained (Supplemental Fig. S3B). The experiment was run twice, from two batches of plants grown independently to generate two biological replicates. A reference mix was generated for each biological replicate by mixing equal amount of aminoallyl-amplified-RNA from the seven samples. Each sample was compared twice against the reference mix with dye-swap, for a total of 28 microarrays used.

A series of filters were applied to ensure high quality data. Spots were selected only if intensities in both channels were higher than twice the median signal background, and if valid data was obtained in more than 70% of the hybridizations in each dataset. To determine differential expression, data after average technical replicates were analyzed with the SAM package (Tusher et al., 2001). Highly seed-specific genes were filtered out using the expression data ATGE_76 to ATGE_84 from AtGenExpress-SeedsSiliques (<http://www.genomforschung.uni-bielefeld.de/GF-research/AtGenExpress-SeedsSiliques.html>) (Supplemental Table S9). Significant genes were then clustered based on expression profiles by the SOM algorithm (Kohonen, 1990) using Acuity software (Axon Molecular Devices). Functional enrichment in GO terms (Ashburner et al., 2000) was obtained using FatiGO from the GEPAS (<http://babelomics.bioinfo.cipf.es/>) (Al-Shahrour et al., 2005), with adjusted *p* values after correcting for multiple testing.

Oligos were printed onto aminosilane-coated slides (Telechem). After printing, the slides were baked for 1h at 80°C and stored dry in darkness at room temperature (RT). Just before use, DNA was rehydrated by placing the slide upside-down over a water bath at 60°C for 10 s, and snap dry onto a heat block at 65°C. Rehydration was repeated 3 times. DNA was immobilized by UV light by exposing the slides DNA-side-up to 65 mJ in a UV cross-linker (Stratagene). Slides were then washed twice in 0.1% (w/v) SDS and 4 times in water, 2 min each wash at room temperature (RT), and finally dipped in 96% ethanol for 1 min and dried by centrifugation at 2000 rpm 1 min at RT. Slides were pre-hybridized for 30 min at 42°C with 100 µL of pre-hybridization solution (6x SSC, 1% [w/v] BSA and 0.5% [w/v] SDS), under a 60x22 mm coverslip LifterSlip (Erie Scientific) in a microarray hybridization chamber (ArrayIt Hybridization Cassette, Telechem). Slides were rinsed five times in H₂O in a slide rack at RT and dried by centrifugation at 2000 rpm 1 min at RT. Slides were hybridized immediately after.

Total RNA was extracted using the RNeasy Plant Mini Kit (Qiagen). Total RNA was then amplified using the MessageAmp II aRNA Amplification kit (Ambion), basically as described by the manufacturer. Modified nucleotide 5-(3-aminoallyl)-UTP (aa-UTP) (Ambion) was incorporated into the amplified RNA (aRNA) at ratio 1:1 with UTP. After purification, 7.5 µg of aminoallyl-aRNA (aa-aRNA) were used in a coupling reaction with either fluorescent cyanine 3-CTP (Cy3) or cyanine 5-CTP (Cy5) as reactive N-hydroxyl succinimidyl dyes (NHS-dyes) (Amersham Pharmacia Biotech). For that, each aliquot of Cy3 or Cy5 were dissolved in 20 µL of DMSO and used in four coupling reactions. Aa-aRNA was dissolved in 15 µL of fresh-made 0.1 M NaCO₃ pH 9.0, and mixed with 5 µl of either Cy3 or Cy5 dye. Coupling was allowed for 1 h at RT in the dark. Reaction was stopped by adding 35 µL of 100 mM sodium acetate pH 5.2 and incubated 5 min in the dark. Fluorescent aa-aRNA was purified using a MegaClear purification column (Ambion) as described by the manufacturer. Dye incorporation was determined using a NanoDrop spectrophotometer and coupled Cy-aa-aRNA (250-300 pmol Cy dye in 5-7 µg aa-aRNA) was dried in a speedvac and dissolved in 2.5 µL of filtered water. The corresponding two Cy-aa-aRNA preparations (Cy3 and Cy5) were mixed and fragmented in the presence of 20 µg of tRNA (Ambion) and 20 µg of poly(A) (Roche) using the

RNA fragmentation Reagent (Ambion) as described by the manufacturer, in a final volume of 10 μ L. Fragmented Cy-aa-aRNA was used immediately in the hybridization mix, which contained 50 μ L deionized formamide, 30 μ L 20x SSC, 5 μ L 100x Denhardt's solution (Sigma), and 5 μ L 10% (w/v) SDS in a final volume of 100 μ L. Hybridization mixture was denatured at 95°C for 5 min, spun briefly, and applied by capillary between a pre-treated slide (see above) and a 60x42 mm coverslip LifterSlip. Slides were incubated o/n at 37°C in a microarray hybridization chamber. Slides were washed sequentially once in 1x SSC 0.1% (w/v) SDS 5 min at 30°C; once in 0.2x SSC 0.1% (w/v) SDS 5 min at 30°C; twice in 0.1x SSC 2 min each at 28°C; and finally 0.01x SSC 10 s at RT. Slides were dried by centrifugation at 2000 rpm 1 min at RT.

Hybridized microarray slides were scanned on GenePix 4000B scanner (Axon Molecular Devices) at 532-nm for the Cy3 and 635-nm for the Cy5 dye, at 10-nm resolution and 100% laser power. Photomultiplier tube voltages were adjusted manually in order to balance the overall signal intensity for each channel, to minimize the number of spots with saturated pixels, and to increase signal-to-noise ratio. Spot intensities were quantified using GenePix Pro 6.0 microarray-analysis software (Axon Molecular Devices). The expression values of all individual hybridizations were normalized by mean global intensity and with lowess (locally weighted scatter plot) correction (Yang et al., 2002) with GenePix Pro 6.0 and Acuity 4.0 software (Axon Molecular Devices), respectively.

Microarray dataset (accession number GSE13113) is available on the Gene Expression Omnibus (GEO).

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Supplemental File 2

Staining of Pollen Germination

Pollen germination was stained with aniline blue, basically as described by the Preuss lab (<http://preuss.bsd.uchicago.edu/>). Pistils of the *cer6-2* mutant were pollinated with either *cer6-2* or *Ler* wild type pollen. Pistils were harvested at 2 and 24 h after pollination and fixed in 10% acetic acid in EtOH for 90 min. Samples were then softened by incubation o/n in 1M NaOH, and washed three times with 50 mM KPO₄ buffer pH 7.5. Pollen tubes (callose) was stained with 0.01% aniline blue (in KPO₄ buffer) for 5 to 10 min. Samples were mounted with KPO₄ buffer in 50% glycerol onto glass slides and visualized using a microscope Eclipse E600 (Nikon).

Staining of lignin

Unfertilized pistils and seeded fruits were fixed o/n at 4°C in FAE (50% [v/v] ethanol, 5% [v/v] formaldehyde, 10% [v/v] acetic acid). Samples were then dehydrated in a series of EtOH:H₂O solutions (15%, 30%, 50%, 70%, 96%, and 100%) during 30 min each at 4°C, and o/n at 4°C in 100% EtOH. Next, samples were incubated in a series of solutions of HistoClear and EtOH at 1:2, 1:1, 2:1 (v/v), one hour each at room temperature, and then o/n in 100% HistoClear. The next day, samples were incubated in HistoClear:Paraffin at ratios 1:2, 1:1, and 2:1 (v/v), 4-5 h each at 58°C, and then o/n in 100% paraffin. Paraffin was changed three times during the next day and the paraffin blocks with the samples were made.

Sections (8-10 μm) were generated and deposited onto glass slides covered with 3-aminopropyltriethoxysilane (TESPA). Slides were then washed

for 10 min in 100% HistoClear and sections were rehydrated through a series of EtOH:H₂O (100%, 70%, 50% 30%, and finally water), 10 min each. Sections were stained by dipping slides in 0.025% alcian blue, 0.005% safranin in 100 mM sodium acetate buffer pH 5.0 during 30 min. Slides were finally rinsed in water, mounted with Permount solution, and observed in an Eclipse 600 microscope.

Table S10. *Primer used for qRT-PCR and genes analyzed*

Primer name	Oligo sequence (5' → 3')	Target gene	
		AGI	Function
At1g12010qPCR5	ATGGCTTTGATCGACGATGC	<i>At1g12010</i>	<i>ACC oxidase</i>
At1g12010qPCR3	CACCAGCTCGAAGAAGCCC		
At2g02990qPCR5	GAAGAGCTGGCCAACACTGG	<i>At2g02990</i>	<i>RNS1</i>
At2g02990qPCR3	CCCAAAACGCTTCACCTGA		
At3g15500qPCR5	CTCGGACGTCTCGGCTAATC	<i>At3g15500</i>	NAC TF
At3g15500qPCR3	AAATCCGTTAACCGGGTCAAC		
At4g00870qPCR5	TACGCTCTACGTGCCATCGT	<i>At4g00870</i>	bHLH TF
At4g00870qPCR3	TGACGCTTTGTCCATTCGTG		
At4g35770qPCR5	GGCGATCACAGACATTGCTG	<i>At4g35770</i>	<i>SEN1</i>
At4g35770qPCR3	AGCTCATTCTCTGTCCAAGCG		
At4g37260qPCR5	GAAACATGGTCCGAGGAACTG	<i>At4g37260</i>	<i>MYB73</i>
At4g37260qPCR3	CGTCCAGGGATTGATTTGCT		
At5g45890qPCR5	AGGCACATCGAGTGGATGACT	<i>At5g45890</i>	<i>SAG12</i>
At5g45890qPCR3	CCTTCACATCCGCGTAGACAC		
At5g45900qPCR5	TGTTACACGCCCGGGTCTAG	<i>At5g45900</i>	<i>AtAPG7</i>
At5g45900qPCR3	GAGTTCAACGGCGAGAGCTC		
Actin8 Fw	AGTGGTTCGTACAACCGGTATTGT	<i>At1g49240</i>	<i>Actin8</i>
Actin8 Rv	GAGGATAGCATGTGGAATGAG		

Table S1. Expression data from microarray analysis in the complete dataset

Normalized Log2 Ratio (Sample/Reference mix) of features passing quality control parameters (intensity in both channels higher than twice the microarray median signal background).

Dye swap has been corrected. NA, feature signal did not pass the quality control parameters.

Oligo ID	AGI	Annotation	0-1 DPA A	0-1 DPA A dye swap	0-1 DPA B	0-1 DPA B dye swap
A000001_01	At1g58360	amino acid permease I; protein id: At1g58360.1	-0.615	-1.019	-0.489	-0.573
A000002_01	At1g26110	expressed protein; protein id: At1g26110.1	-0.301	NA	NA	-0.478
A000003_01	At4g04780	hypothetical protein; protein id: At4g04780.1	0.248	0.496	0.268	0.532
A000004_01	At1g04140	unknown protein; protein id: At1g04140.1	-0.544	-0.245	-0.238	-0.493
A000006_01	At1g09640	elongation factor 1B-gamma, putative (eEF-1B gam	-0.335	NA	-0.195	0.253
A000012_01	At1g54610	protein, putative; protein id: At1g54610.1	-0.006	0.166	NA	0.363
A000013_01	At1g33980	hypothetical protein; protein id: At1g33980.1	-0.532	NA	NA	-0.275
A000016_01	At1g09700	expressed protein; protein id: At1g09700.1	0.645	0.905	0.182	0.484
A000017_01	At1g80040	expressed protein; protein id: At1g80040.1	-0.006	-0.03	-0.14	-0.241
A000020_01	At1g60220	hypothetical protein; protein id: At1g60220.1	0.173	0.14	0.166	0.459
A000021_01	At1g55530	expressed protein; protein id: At1g55530.1	-0.395	-0.276	-0.351	-0.31
A000022_01	At1g12140	hypothetical protein; protein id: At1g12140.1	-0.735	-0.625	-0.804	-0.528
A000025_01	At1g11650	RNA binding protein 45 (RBP45), putative; protein id	-0.004	-0.264	-0.173	-0.131
A000026_01	At1g12120	unknown protein; protein id: At1g12120.1	0.327	NA	0.123	0.475
A000027_01	At1g75860	unknown protein; protein id: At1g75860.1	-0.053	NA	NA	0.48
A000029_01	At1g78580	trehalose-6-phosphate synthase, putative; protein id	0.825	0.688	0.318	1.43
A000031_01	At1g19670	expressed protein; protein id: At1g19670.1	0.904	0.892	0.374	0.335
A000038_01	At1g54060	expressed protein; protein id: At1g54060.1	-0.327	0.149	-0.304	-0.05
A000040_01	At1g48160	signal recognition particle 19 kDa protein subunit, p	0.438	0.804	0.28	0.196
A000041_01	At1g01550	expressed protein; protein id: At1g01550.1	-0.65	-0.86	-0.329	-0.267
A000042_01	At1g13570	F-box protein; protein id: At1g13570.1	-0.041	NA	NA	0.117
A000046_01	At1g48030	lipamide dehydrogenase precursor; protein id: At1g	-0.067	0.258	-0.507	-0.055
A000047_01	At1g48020	hypothetical protein; protein id: At1g48020.1	-0.449	-0.374	NA	NA
A000051_01	At1g67140	hypothetical protein; protein id: At1g67140.1	-0.043	0.262	NA	1.018
A000052_01	At1g04810	26S proteasome regulatory subunit (RPN2), putative	-0.156	-0.05	NA	-0.41
A000055_01	At1g56150	unknown protein; protein id: At1g56150.1	NA	NA	-0.517	-1.083
A000056_01	At1g48140	expressed protein; protein id: At1g48140.1	-0.232	0.184	0.128	-0.179
A000058_01	At1g44000	expressed protein; protein id: At1g44000.1	0.013	NA	0.048	-0.071
A000061_01	At1g76590	expressed protein; protein id: At1g76590.1	-3.664	-3.543	-2.181	-3.189
A000063_01	At1g76560	expressed protein; protein id: At1g76560.1	-1.115	NA	-0.696	NA
A000064_01	At1g68060	unknown protein; protein id: At1g68060.1	0.942	1.078	NA	0.719
A000065_01	At1g68110	expressed protein; protein id: At1g68110.1	-0.319	-0.373	NA	-1.098
A000067_01	At1g67940	ABC transporter family protein; protein id: At1g6794	-1.225	NA	NA	NA
A000069_01	At1g70070	hypothetical protein; protein id: At1g70070.1	0.13	0.36	NA	0.786
A000073_01	At1g68020	putative trehalose-6-phosphate synthase; protein id	-0.394	-0.305	-0.475	0.162
A000074_01	At1g69980	expressed protein; protein id: At1g69980.1	NA	0.069	-0.214	-0.272
A000077_01	At1g27390	putative protein import receptor; protein id: At1g273	0.395	0.722	0.643	1.016
A000080_01	At1g53050	cell division-related protein, putative; protein id: At1g	0.432	0.379	0.345	0.927
A000084_01	At1g72690	unknown protein; protein id: At1g72690.1	-0.063	0.489	NA	0.308
A000088_01	At1g09060	hypothetical protein; protein id: At1g09060.1	-0.002	0.048	0.056	0.407
A000091_01	At1g73200	hypothetical protein; protein id: At1g73200.1	-0.269	-0.329	-0.317	-0.544
A000095_01	At1g08910	hypothetical protein; protein id: At1g08910.1	-0.657	NA	NA	NA
A000098_01	xxxx	b/t hypothetical protein; protein id: At1g12450 and k	NA	NA	-2.523	-2.804
A000107_01	At1g05170	putative AVR9 elicitor response protein; protein id: /	-0.522	-0.449	0.108	0.433
A000111_01	At1g49300	small GTP-binding protein, putative; protein id: At1g	-0.129	-0.071	-0.157	-0.158
A000113_01	At1g43900	protein phosphatase 2C (PP2C), putative; protein id	0.422	0.37	0.411	0.923
A000115_01	xxxx	No hits found	0.129	0.105	-0.198	-0.989
A000120_01	At1g69600	hypothetical protein; protein id: At1g69600.1	-1.142	NA	NA	NA
A000123_01	At1g78490	cytochrome P450, putative; protein id: At1g78490.1	1.196	1.223	0.633	0.988
A000124_01	At1g23040	expressed protein; protein id: At1g23040.1	-3.045	-2.688	-1.757	-1.895
A000134_01	At1g43910	unknown protein; protein id: At1g43910.1	-0.164	-0.277	0.084	0.22
A000138_01	At1g48440	expressed protein; protein id: At1g48440.1	-0.003	0.252	0.089	-0.176
A000146_01	At1g19850	auxin response transcription factor; protein id: At1g	0.262	0.292	0.423	NA
A000150_01	At1g11750	ATP-dependent Clp protease proteolytic subunit (Cl	0.418	0.37	0.18	0.456
A000157_01	At1g77060	carboxyphosphoenolpyruvate mutase, putative; p	0.498	1.075	0.297	0.895
A000169_01	At1g24340	polyketide hydroxylase-related; protein id: At1g2434	0.146	0.293	-0.597	0.019
A000173_01	At1g44446	chlorophyll a oxygenase; protein id: At1g44446.1	-0.982	-0.926	-0.93	-0.515
A000179_01	At1g34150	putative protein; protein id: At1g34150.1	0.074	0.487	NA	0.597

A000185_01	At1g75400	hypothetical protein; protein id: At1g75400.1	-0.524	NA	NA	NA	
A000187_01	At1g10080	hypothetical protein; protein id: At1g10080.1	-1.352	NA	NA	NA	
A000198_01	At1g50260	hypothetical protein; protein id: At1g50260.1	-0.749	NA	NA	NA	
A000202_01	At1g75460	protease, putative; protein id: At1g75460.1	NA	NA		-0.887	-2.193
A000220_01	At1g27000	bZIP family transcription factor; protein id: At1g27000.1	-1.029		-0.865	-0.508	-0.359
A000223_01	At1g12050	fumarylacetoacetate hydrolase-like protein; protein id: At1g12050.1	-0.448		-0.236	-0.588	-0.454
A000226_01	At1g17990	12-oxophytodienoate reductase, putative; protein id: At1g17990.1	NA	NA	NA	NA	
A000233_01	At1g11940	hypothetical protein; protein id: At1g11940.1	0.58		0.931	NA	0.82
A000239_01	At1g66740	hypothetical protein; protein id: At1g66740.1	-0.399	NA	NA		0.157
A000248_01	At1g75870	hypothetical protein; protein id: At1g75870.1	-0.482		-0.406	NA	NA
A000253_01	At1g20330	sterol-C-methyltransferase; protein id: At1g20330.1	0.626		0.513	0.55	0.61
A000259_01	At1g66350	RGL1; protein id: At1g66350.1	0.917		0.696	0.942	1.344
A000260_01	At1g76020	unknown protein; protein id: At1g76020.1	-0.374		-0.263	-0.559	-1.34
A000261_01	At1g75230	3-methyladenine DNA glycosylase, putative; protein id: At1g75230.1	-0.012		0.273	0.151	0.17
A000263_01	At1g75190	expressed protein; protein id: At1g75190.1	-0.573		-0.187	NA	-0.789
A000268_01	At1g47260	unknown protein; protein id: At1g47260.1	0.461		0.186	0.326	0.855
A000269_01	At1g60420	expressed protein; protein id: At1g60420.1	-0.129		0.074	-0.041	0.216
A000270_01	At1g60430	expressed protein; protein id: At1g60430.1	-0.749	NA	NA	NA	NA
A000297_01	At1g69720	putative heme oxygenase; protein id: At1g69720.1	-0.505	NA	NA	NA	-0.923
A000301_01	At1g69790	putative protein kinase; protein id: At1g69790.1	NA	NA	NA	NA	NA
A000302_01	At1g48310	hypothetical protein; protein id: At1g48310.1	0.2		0.094	NA	0.773
A000303_01	At1g77220	expressed protein; protein id: At1g77220.1	-0.546	NA	NA		-0.26
A000305_01	At1g73980	unknown protein; protein id: At1g73980.1	-0.795		-0.697	-0.411	-0.141
A000319_01	At1g26820	ribonuclease, RNS3; protein id: At1g26820.1	-1.539		-1.75	-0.367	-1.021
A000321_01	At1g62360	homeobox protein, putative; protein id: At1g62360.1	0.121	NA	NA		0.964
A000322_01	At1g27190	leucine-rich repeat transmembrane protein kinase, putative; protein id: At1g27190.1	0.145		0.463	0.286	0.736
A000324_01	At1g69420	DHHC-type zinc finger protein, putative; protein id: At1g69420.1	1.261		1.048	NA	1.401
A000325_01	At1g20070	hypothetical protein; protein id: At1g20070.1	-0.817	NA		-1.094	-1.183
A000326_01	At1g59750	auxin response transcription factor (ARF1); protein id: At1g59750.1	0.104		-0.095	NA	0.181
A000329_01	At1g54570	expressed protein; protein id: At1g54570.1	-0.738		-0.7	NA	-0.49
A000336_01	At1g63830	unknown protein; protein id: At1g63830.1	0.001		0.235	NA	-0.11
A000337_01	At1g54770	hypothetical protein; protein id: At1g54770.1	0.095		0.529	0.166	0.496
A000340_01	At1g54830	heme activated protein, putative; protein id: At1g54830.1	-0.235		0.417	0.219	0.338
A000348_01	At1g80280	unknown protein; protein id: At1g80280.1	1.32		1.515	1.379	2.029
A000351_01	At1g03330	expressed protein; protein id: At1g03330.1	0.172		0.111	0.253	0.113
A000352_01	At1g80270	hypothetical protein; protein id: At1g80270.1	1.238		1.366	0.981	2.102
A000353_01	At1g63770	putative aminopeptidase; protein id: At1g63770.1	-0.266		-0.602	-0.723	-0.424
A000355_01	xxxx	b/t fructokinase, putative; protein id: At1g03160.1 and At1g03160.2	-0.055		0.514	NA	NA
A000358_01	At1g63660	GMP synthase; protein id: At1g63660.1	0.739		0.968	0.983	1.61
A000364_01	At1g20810	FKBP-type peptidyl-prolyl cis-trans isomerase; protein id: At1g20810.1	-0.55	NA		-0.322	-0.551
A000365_01	At1g74290	unknown protein; protein id: At1g74290.1	-0.302	NA	NA	NA	NA
A000368_01	At1g74250	putative heat shock protein; protein id: At1g74250.1	-0.128		-0.608	NA	-0.275
A000371_01	At1g74230	glycine-rich RNA-binding protein; protein id: At1g74230.1	0.551		0.641	0.474	0.51
A000373_01	At1g20770	hypothetical protein; protein id: At1g20770.1	0.361		0.479	NA	0.316
A000377_01	At1g76350	hypothetical protein; protein id: At1g76350.1	-0.548	NA	NA	NA	NA
A000382_01	At1g11080	serine carboxypeptidase isolog; protein id: At1g11080.1	-1.508	NA	NA	NA	-0.947
A000384_01	At1g32260	hypothetical protein; protein id: At1g32260.1	-0.067		0.269	NA	0.085
A000389_01	At1g79180	myb family transcription factor; protein id: At1g79180.1	-2.394	NA	NA	NA	NA
A000396_01	At3g30122	pseudogene, gene_id:K17E7.18 unknown protein; protein id: At3g30122.1	-0.35		0.072	0.07	0.22
A000402_01	At1g23730	putative carbonic anhydrase; protein id: At1g23730.1	-0.829		-0.538	NA	NA
A000406_01	At1g32470	glycine cleavage system H protein precursor, putative; protein id: At1g32470.1	0.502		0.377	0.214	0.824
A000410_01	At1g02610	hypothetical protein; protein id: At1g02610.1	-3.186		-3.129	-1.851	-2.355
A000412_01	At1g70570	expressed protein; protein id: At1g70570.1	-0.429		-0.158	NA	-0.115
A000419_01	At1g76320	far-red impaired response protein, putative; protein id: At1g76320.1	-0.312		-0.03	NA	0.139
A000420_01	At1g67530	hypothetical protein; protein id: At1g67530.1	-0.849		-0.43	NA	NA
A000423_01	At1g03950	expressed protein; protein id: At1g03950.1	-1.123	NA	NA	NA	NA
A000426_01	At1g03910	hypothetical protein; protein id: At1g03910.1	0.106		-0.192	NA	0.057
A000454_01	At1g36320	expressed protein; protein id: At1g36320.1	-0.054		-0.256	-0.348	-0.227
A000455_01	At1g09300	hypothetical protein; protein id: At1g09300.1	0.183	NA		0.169	0.791
A000462_01	At1g04420	hypothetical protein; protein id: At1g04420.1	0.039		0.345	-0.391	0.036
A000471_01	At1g03687	hypothetical protein; protein id: At1g03687.1	0.417		0.663	NA	0.406
A000473_01	At1g03710	hypothetical protein; protein id: At1g03710.1	0.323		0.384	0.788	1.097
A000478_01	At1g61770	hypothetical protein; protein id: At1g61770.1	0.08		0.495	0.161	-0.014
A000479_01	At1g35460	bHLH protein; protein id: At1g35460.1	-0.551	NA		-0.233	-0.321
A000489_01	At1g03550	expressed protein; protein id: At1g03550.1	-1.695		-1.326	-0.847	-1.75
A000500_01	At1g73740	putative UDP-N-acetylglucosamine--N-acetylmuramyl pyrophosphatase; protein id: At1g73740.1	-0.708	NA	NA		-0.09
A000511_01	At1g53730	leucine-rich repeat transmembrane protein kinase 1; protein id: At1g53730.1	0.019		0.215	-0.235	0.111
A000517_01	At1g54170	hypothetical protein; protein id: At1g54170.1	-0.079		-0.016	NA	-0.141

A000519_01	At1g03140	expressed protein; protein id: At1g03140.1	-0.242	-0.269	-0.404	-0.269
A000523_01	At1g03080	unknown protein; protein id: At1g03080.1	-0.807	-0.824	-0.547	-0.186
A000525_01	At1g03050	putative protein destination factor; protein id: At1g03050.1	-0.692	-0.389 NA	NA	
A000526_01	At1g03030	unknown protein; protein id: At1g03030.1	-0.838	-0.146	-0.195	0.165
A000533_01	At1g71310	hypothetical protein; protein id: At1g71310.1	0.079	0.346	0.62	0.359
A000534_01	At1g65230	unknown protein; protein id: At1g65230.1	-0.39	-0.432	-0.745	-0.686
A000543_01	At1g07440	tropinone reductase-I, putative; protein id: At1g07440.1	-0.68	-0.788	-0.345	-0.277
A000548_01	At1g19330	expressed protein; protein id: At1g19330.1	0.054	-0.112	0.492	1.06
A000553_01	At1g11820	glycosyl hydrolase family 17; protein id: At1g11820.1	0.985	0.959	0.46	0.954
A000555_01	At1g72180	leucine-rich repeat transmembrane protein kinase, putative; protein id: At1g72180.1	-0.855 NA	NA		-1.245
A000559_01	At1g20920	DEAD/DEAH box RNA helicase, putative; protein id: At1g20920.1	-0.32	0.034 NA		-0.095
A000567_01	At1g22190	AP2 domain transcription factor RAP2, putative; protein id: At1g22190.1	-2.134	-1.914	-0.925	-1.444
A000568_01	At1g05620	expressed protein; protein id: At1g05620.1	0.019	0.046	-0.077	0.254
A000577_01	At1g72160	cytosolic factor, putative; protein id: At1g72160.1	-0.92	-1.098	-1.096	-1.068
A000579_01	At1g72230	blue copper protein, putative; protein id: At1g72230.1	-1.403	-1.084	-0.129	-0.517
A000582_01	At1g09430	unknown protein; protein id: At1g09430.1	-1.165	-1.199	-1.492	-1.398
A000589_01	At1g09520	expressed protein; protein id: At1g09520.1	0.003	0.319	0.28	0.536
A000590_01	At1g51310	unknown protein; protein id: At1g51310.1	0.516	1.001	0.31	0.703
A000592_01	At1g51340	expressed protein; protein id: At1g51340.1	-1.554	-1.449 NA		-1.037
A000600_01	At1g29660	lipase/hydrolase, putative; protein id: At1g29660.1	0.081	0.301	0.021	0.296
A000608_01	At1g13190	RRM-containing protein; protein id: At1g13190.1	-0.287	-0.098	-0.498	-0.51
A000610_01	At1g20350	mitochondrial inner membrane translocase component, putative; protein id: At1g20350.1	NA	NA	-0.395	-0.793
A000612_01	At1g13245	expressed protein; protein id: At1g13245.1	-2.247	-1.989	-1.182	-1.9
A000613_01	At1g13195	expressed protein; protein id: At1g13195.1	-0.83	-0.246 NA		0.374
A000618_01	At1g29530	hypothetical protein; protein id: At1g29530.1	0.022 NA		-0.057	0.04
A000619_01	At1g64360	expressed protein; protein id: At1g64360.1	-4.333	-4.363 NA	NA	
A000622_01	At1g10310	expressed protein; protein id: At1g10310.1	0.035	0.244	0.174	-0.032
A000629_01	At1g10390	unknown protein; protein id: At1g10390.1	-0.054	-0.154	-0.196	-0.178
A000633_01	At1g71170	putative dehydrogenase; protein id: At1g71170.1	-0.421	-0.226	-0.029	-0.099
A000637_01	At1g50410	DNA-binding protein, putative; protein id: At1g50410.1	-0.02 NA	NA	NA	
A000638_01	At1g29330	ER lumen protein retaining receptor; protein id: At1g29330.1	0.615	0.992	0.327	0.661
A000639_01	At1g16320	unknown protein; protein id: At1g16320.1	-1.399	-1.622	-1.052	-1.761
A000643_01	At1g29220	expressed protein; protein id: At1g29220.1	-0.397	-0.354	-0.242	-0.304
A000645_01	At1g77610	expressed protein; protein id: At1g77610.1	0.489	0.549	0.502	0.867
A000649_01	At1g29130	hypothetical protein; protein id: At1g29130.1	-0.89 NA		-0.6	-0.778
A000650_01	At1g29060	expressed protein; protein id: At1g29060.1	-0.642	-0.343	-0.191	-0.47
A000652_01	At1g29050	expressed protein; protein id: At1g29050.1	-1.81	-1.725	-1.178	-1.636
A000653_01	At1g11530	thioredoxin h, putative; protein id: At1g11530.1	-1.796	-1.723	-1.108	-1.44
A000657_01	At1g43560	thioredoxin, putative; protein id: At1g43560.1	0.394	0.451	0.397	0.554
A000665_01	At1g77710	unknown protein; protein id: At1g77710.1	-0.309	-0.121	-0.138 NA	
A000668_01	At1g77740	putative phosphatidylinositol-4-phosphate-5-kinase; protein id: At1g77740.1	-0.617	-0.05	-0.635	-0.293
A000677_01	At1g59710	expressed protein; protein id: At1g59710.1	-0.197 NA	NA	NA	
A000684_01	At1g63060	expressed protein; protein id: At1g63060.1	-0.754 NA	NA	NA	
A000685_01	At1g33780	chloroplast lumen common protein family; protein id: At1g33780.1	-0.943 NA		-0.255	-0.106
A000687_01	At1g59890	hypothetical protein; protein id: At1g59890.1	-0.022	0.184 NA		0.383
A000692_01	At1g63010	expressed protein; protein id: At1g63010.1	-0.262	-0.571	-0.773	-0.735
A000696_01	At1g68830	putative protein kinase; protein id: At1g68830.1	-1.722	-1.574	-1.36	-1.08
A000697_01	At1g68900	hypothetical protein; protein id: At1g68900.1	0.482	0.506	0.316	0.323
A000700_01	At1g34220	hypothetical protein; protein id: At1g34220.1	-0.429	-0.688	-0.38	0.043
A000701_01	At1g34190	NAM protein, putative; protein id: At1g34190.1	-0.356	-0.379	-0.15	0.135
A000710_01	At1g48090	unknown protein; protein id: At1g48090.1	-0.712	-0.689	-0.312	0.64
A000711_01	At1g15230	expressed protein; protein id: At1g15230.1	-0.459	0.312	0.065	-0.393
A000722_01	At1g15415	hypothetical protein; protein id: At1g15415.1	-0.693	-0.369	-0.984 NA	
A000727_01	At1g49140	expressed protein; protein id: At1g49140.1	0.274	0.37	0.087	-0.023
A000731_01	At1g21640	expressed protein; protein id: At1g21640.1	NA	NA	NA	-1.798
A000742_01	At1g18450	expressed protein; protein id: At1g18450.1	0.425	0.482	0.39	0.599
A000755_01	At1g24520	putative agp1; protein id: At1g24520.1	-0.68	-0.431	-0.689	-1.661
A000757_01	At1g24560	putative myosin heavy chain; protein id: At1g24560.1	-0.382 NA	NA	NA	
A000759_01	At1g47550	unknown protein; protein id: At1g47550.1	0.171	-0.068	-0.436	0.278
A000764_01	At1g36280	adenylosuccinate lyase-like protein; protein id: At1g36280.1	0.754	0.726	0.166	0.369
A000770_01	At1g27560	unknown protein; protein id: At1g27560.1	-0.242	-0.085	-0.278	0.088
A000775_01	At1g33400	unknown protein; protein id: At1g33400.1	0.011	0.286 NA		0.139
A000781_01	At1g33490	expressed protein; protein id: At1g33490.1	-0.933	-0.636	-0.262	-0.495
A000782_01	At1g68710	ATPase, putative; protein id: At1g68710.1	0.364	0.253	0.718	1.808
A000794_01	At1g11280	serine/threonine kinase, putative; protein id: At1g11280.1	0.515	0.436 NA		0.967
A000795_01	At1g66980	kinase, putative; protein id: At1g66980.1	-0.848	-1.098	-1.66	-1.41
A000801_01	At1g76900	Tub family protein, putative; protein id: At1g76900.1	-0.649	-0.752	-0.222	-0.082
A000802_01	At1g75010	hypothetical protein; protein id: At1g75010.1	0.429	0.778 NA		0.491

A000803_01	At1g67080	expressed protein; protein id: At1g67080.1	-0.452	-0.659	0.044	0.266
A000807_01	At1g53380	unknown protein; protein id: At1g53380.1	0.407	0.747	0.429	0.887
A000808_01	At1g72060	unknown protein; protein id: At1g72060.1	NA	NA	NA	NA
A000814_01	At1g74840	myb family transcription factor; protein id: At1g7484	-1.332	-1.15	-0.917	-0.833
A000827_01	At1g80160	expressed protein; protein id: At1g80160.1	-3.532	-3.311	-1.417	-3.141
A000828_01	At1g80180	expressed protein; protein id: At1g80180.1	-3.338	-3.163	-1.505	-2.846
A000835_01	At1g26470	expressed protein; protein id: At1g26470.1	0.057	0.574	0.515	0.195
A000842_01	At1g70770	unknown protein; protein id: At1g70770.1	0.03	NA	-0.292	-0.063
A000851_01	At1g52710	unknown protein; protein id: At1g52710.1	-1.22	NA	NA	-0.466
A000853_01	At1g52680	expressed protein; protein id: At1g52680.1	-0.542	-0.467	NA	-1.537
A000856_01	At1g27300	expressed protein; protein id: At1g27300.1	-1.49	-1.619	-0.551	-1.001
A000875_01	At1g72880	unknown protein; protein id: At1g72880.1	0.032	0.185	NA	0.159
A000880_01	At1g25480	hypothetical protein; protein id: At1g25480.1	-1.135	NA	NA	NA
A000888_01	At1g50730	hypothetical protein; protein id: At1g50730.1	-0.484	NA	-0.618	-0.936
A000897_01	At1g02870	expressed protein; protein id: At1g02870.1	0.665	0.848	NA	0.503
A000903_01	At1g28310	Dof zinc finger protein; protein id: At1g28310.1	-1.545	NA	NA	NA
A000910_01	At1g31920	PPR-repeat protein, putative; protein id: At1g31920.	-0.091	NA	NA	0.594
A000919_01	At1g26160	expressed protein; protein id: At1g26160.1	-0.119	0.172	-0.115	-0.132
A000922_01	At1g80700	hypothetical protein; protein id: At1g80700.1	0.589	0.808	NA	0.683
A000936_01	At1g80940	expressed protein; protein id: At1g80940.1	-0.816	-0.631	-0.374	-0.764
A000937_01	At1g80950	expressed protein; protein id: At1g80950.1	-0.614	-0.765	-0.793	-0.697
A000941_01	At1g56180	expressed protein; protein id: At1g56180.1	NA	NA	-0.254	-0.73
A000945_01	At1g56050	GTP-binding protein, putative; protein id: At1g56050	1.089	NA	NA	0.588
A000953_01	At1g67350	expressed protein; protein id: At1g67350.1	0.297	0.289	0.222	0.041
A000960_01	At1g47200	genomic sequence for A.t. BAC T22C5 from chrom	0.36	0.662	0.642	0.664
A000962_01	At1g29880	glycyl tRNA synthetase, putative; protein id: At1g29	0.41	0.395	0.261	0.315
A000970_01	At5g10330	putative histidinol-phosphate aminotransferase	0.698	0.411	0.42	1.246
A000974_01	At1g06690	expressed protein; protein id: At1g06690.1	0.355	0.373	-0.336	-0.228
A000984_01	At1g28490	syntaxin SYP6 family; protein id: At1g28490.1	0.303	0.387	0.197	0.159
A000987_01	At1g15940	hypothetical protein; protein id: At1g15940.1	0.434	0.271	NA	0.461
A000988_01	At1g15980	expressed protein; protein id: At1g15980.1	-0.165	-0.363	-0.57	-0.518
A000992_01	At1g14900	linker histone protein, putative; protein id: At1g1490	0.941	0.96	0.766	0.749
A000997_01	At1g16180	unknown protein; protein id: At1g16180.1	-0.368	-0.557	-0.291	-0.44
A001006_01	At1g75310	unknown protein; protein id: At1g75310.1	0.508	0.499	NA	0.769
A001007_01	At1g76580	unknown protein; protein id: At1g76580.1	-0.642	-0.366	NA	-0.343
A001011_01	At1g69170	squamosa-promoter binding protein, putative; protei	-0.787	-0.394	NA	0.422
A001012_01	At1g27360	putative squamosa-promoter binding protein 2; prot	0.354	0.313	0.714	1.258
A001017_01	At1g09140	arginine/serine-rich splicing factor, atSRp30; proteir	-0.816	-0.543	-0.254	-0.418
A001019_01	At1g01170	unknown protein; protein id: At1g01170.1	-0.25	-0.282	-0.18	-0.644
A001023_01	At1g01070	expressed protein; protein id: At1g01070.1	NA	NA	NA	0.643
A001029_01	At1g04640	lipoyltransferase; protein id: At1g04640.1	-0.465	NA	-0.64	-0.978
A001031_01	At1g26130	P-type transporting ATPase, putative; protein id: At	-0.097	0.379	NA	0.138
A001032_01	At1g18640	3-phosphoserine phosphatase; protein id: At1g1864	0.615	0.639	0.494	0.56
A001034_01	At1g18700	unknown protein; protein id: At1g18700.1	0.164	0.486	-0.24	-0.29
A001035_01	At1g25682	unknown protein; protein id: At1g25682.1	-0.471	-0.249	-0.241	-0.197
A001036_01	At1g49720	A.t. mRNA for 65kDa regulatory subunit of PP 2A	-0.493	-0.432	-0.528	-0.905
A001041_01	At1g68010	hydroxypyruvate reductase (HPR); protein id: At1g6	-0.855	-0.682	-0.348	-0.264
A001042_01	At1g05810	ras-related GTP-binding protein (ARA-1); protein id:	0.163	0.651	NA	NA
A001043_01	At1g64740	alpha-tubulin, putative; protein id: At1g64740.1	-0.572	-0.137	-0.282	-0.453
A001044_01	At1g75040	thaumatin-like protein; protein id: At1g75040.1	0.444	0.857	1.059	1.722
A001045_01	At1g64040	phosphoprotein phosphatase-type 1 catalytic subun	-0.411	-0.212	-0.248	0.009
A001048_01	At1g05890	unknown protein; protein id: At1g05890.1	-0.644	-0.73	-0.558	-0.813
A001052_01	At1g14980	10 kDa chaperonin (CPN10); protein id: At1g14980.	0.762	0.705	0.611	0.541
A001053_01	At1g05790	putative NPK1-related protein kinase 2; protein id: A	-0.511	-0.482	NA	0.031
A001056_01	At1g37150	biotin holocarboxylase synthetase, putative; protein	-0.566	-0.05	-0.158	0.238
A001059_01	At1g32900	starch synthase, putative; protein id: At1g32900.1	0.806	0.845	0.413	1.394
A001071_01	At1g32870	NAM protein, putative; protein id: At1g32870.1	-0.768	NA	NA	-0.072
A001077_01	At1g04870	expressed protein; protein id: At1g04870.1	-0.438	NA	0.176	0.353
A001082_01	At1g04985	unknown protein; protein id: At1g04985.1	-0.494	-0.07	-0.641	-0.52
A001086_01	At1g60940	putative serine/threonine-protein kinase; protein id: .	-0.766	-1.002	-0.694	-1.247
A001087_01	At1g13360	unknown protein; protein id: At1g13360.1	NA	NA	-1.392	-1.383
A001088_01	xxxx	b/t carboxypeptidase, putative At1g71696 and cholii	0.311	0.454	0.305	0.976
A001089_01	At1g71710	ribosomal protein, putative; protein id: At1g71710.1	-0.026	NA	NA	NA
A001090_01	At1g71720	ribosomal protein, putative; protein id: At1g71720.1	0.145	0.094	-0.082	0.061
A001091_01	At1g64680	expressed protein; protein id: At1g64680.1	-1.346	-1.016	-0.797	-1.547
A001092_01	At1g64860	plastid RNA polymerase sigma-subunit; protein id: A	-0.868	-0.978	-1.645	-1.204
A001093_01	At1g79270	expressed protein; protein id: At1g79270.1	-2.003	-2.062	NA	-1.384
A001095_01	At1g62480	expressed protein; protein id: At1g62480.1	-0.489	-0.109	0.029	-0.502

A001098_01	At1g35780	expressed protein; protein id: At1g35780.1	0.727	0.666	0.851	1.232
A001099_01	At1g56720	expressed protein; protein id: At1g56720.1	-0.431	-0.36 NA		0.845
A001100_01	At1g69360	expressed protein; protein id: At1g69360.1	-0.817	-0.477	-0.684	-0.129
A001102_01	At1g07210	hypothetical protein; protein id: At1g07210.1	1.135	1.073	0.811	1.265
A001103_01	At1g01060	DNA-binding protein, putative; protein id: At1g01060.1	-0.637	-0.734	0.573	0.788
A001105_01	At1g14330	hypothetical protein; protein id: At1g14330.1	-1.055 NA		-0.87	-0.574
A001106_01	At1g14345	expressed protein; protein id: At1g14345.1	-0.053 NA		0.185	-0.605
A001107_01	At1g75820	CLAVATA1 receptor kinase (CLV1); protein id: At1g75820.1	-0.782	-0.405	-0.635	-0.779
A001113_01	At1g14450	expressed protein; protein id: At1g14450.1	0.022	0.172	0.476	0.222
A001115_01	At1g32100	pinosresinol-lariciresinol reductase, putative; protein id: At1g32100.1	-1.943	-2.511	-0.744	-0.949
A001121_01	At1g58180	carbonic anhydrase, putative; protein id: At1g58180.1	-2.248	-2.438	-1.471	-1.939
A001122_01	At1g13320	protein phosphatase 2A regulatory subunit, putative; protein id: At1g13320.1	0.142	0.447	0.049	0.278
A001126_01	At1g43860	expressed protein; protein id: At1g43860.1	0.189 NA		-0.097	0.422
A001127_01	At1g07810	ER-type Ca ²⁺ -pump protein; protein id: At1g07810.1	-0.482	-0.401	-0.246	0.061
A001128_01	At1g05070	expressed protein; protein id: At1g05070.1	-0.036	0.305	0.295	0.195
A001129_01	At1g78370	glutathione transferase, putative; protein id: At1g78370.1	0.603	0.438	1.068	1.141
A001131_01	At1g53400	pinosresinol-lariciresinol reductase, putative; protein id: At1g53400.1	-0.498	-0.365	-0.231	0.09
A001134_01	At1g05120	similar to DNA repair protein-like; protein id: At1g05120.1	-0.146	-0.073 NA		0.375
A001135_01	At1g35720	Ca ²⁺ -dependent membrane-binding protein annexin I; protein id: At1g35720.1	1.138	1.114	1.017	1.512
A001136_01	At1g21410	F-box protein family; protein id: At1g21410.1	-1.769	-1.384	-1.055	-0.731
A001137_01	At1g30690	expressed protein; protein id: At1g30690.1	0.453	1.073 NA		1.196
A001138_01	At1g51650	epsilon subunit of mitochondrial F1-ATPase; protein id: At1g51650.1	0.432	0.344	0.428	0.103
A001140_01	At1g14910	unknown protein; protein id: At1g14910.1	-0.056	0.345	-0.022	0.121
A001141_01	At1g06950	chloroplast inner envelope protein, putative; protein id: At1g06950.1	1.015	0.75	0.089	0.517
A001142_01	At1g44820	aminoacylase, putative; protein id: At1g44820.1	-0.736 NA		-0.867	-0.835
A001144_01	At1g72260	thionin; protein id: At1g72260.1	2.142	1.407	1.432	2.083
A001146_01	At1g48920	nucleolin, putative; protein id: At1g48920.1	0.487	0.52	0.602	0.647
A001147_01	At1g60870	expressed protein; protein id: At1g60870.1	-0.733	-0.498	-0.155	-1.02
A001153_01	At1g80380	auxin-regulated protein; protein id: At1g80380.2	-0.527	-0.266	-0.56	-0.724
A001154_01	At1g21780	unknown protein; protein id: At1g21780.1	-1.207	-0.928	-0.597	-0.962
A001155_01	At1g69490	expressed protein; protein id: At1g69490.1	-2.884	-3.215	-0.586	-0.808
A001159_01	At1g80050	adenine phosphoribosyltransferase; protein id: At1g80050.1	-0.394	-0.14 NA		-0.269
A001163_01	At1g54410	water stress-induced protein, putative; protein id: At1g54410.1	-0.053	-0.67	-0.49	-0.414
A001165_01	At1g13280	allene oxide cyclase, putative; protein id: At1g13280.1	0.535	0.98	1.034	1.533
A001166_01	At1g45130	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At1g45130.1	1.312	1.316	0.738	1.488
A001169_01	At1g21750	putative protein disulfide isomerase precursor; protein id: At1g21750.1	0.673	0.752	0.226	0.755
A001180_01	At1g70290	trehalose-6-phosphate synthase, putative; protein id: At1g70290.1	-2.445	-2.154	-1.784	-1.762
A001181_01	At1g79740	hypothetical protein; protein id: At1g79740.1	-0.273	0.084 NA		-0.009
A001184_01	At1g22700	expressed protein; protein id: At1g22700.2	-0.037	0.096	-0.311	-0.153
A001186_01	At1g30380	photosystem I subunit X precursor; protein id: At1g30380.1	0.145	-0.024	-0.287	-0.45
A001187_01	At1g14740	expressed protein; protein id: At1g14740.1	-0.122 NA		-0.951	-0.483
A001188_01	At1g22710	putative sucrose transport protein, SUC2; protein id: At1g22710.1	-1.683	-1.477	-0.664	-1.267
A001189_01	At1g06410	trehalose-6-phosphate synthase, putative; protein id: At1g06410.1	-0.368	-0.438	-0.755	-0.329
A001190_01	At1g53800	expressed protein; protein id: At1g53800.1	0.1	0.468	-0.075	0.503
A001197_01	At1g27320	putative sensory transduction histidine kinase; protein id: At1g27320.1	-1.562 NA	NA		-1.638
A001199_01	At1g07010	unknown protein; protein id: At1g07010.1	-1.006	-0.997	-0.579	-0.309
A001207_01	At1g20020	ferredoxin-NADP reductase precursor, putative; protein id: At1g20020.1	0.357	0.04	-0.737	-0.481
A001209_01	At1g20450	expressed protein; protein id: At1g20450.1	0.493	0.425	-0.521	-0.459
A001210_01	At1g49480	expressed protein; protein id: At1g49480.1	0.07	0.327 NA		0.369
A001211_01	At1g80670	mRNA export protein, putative; protein id: At1g80670.1	0.018	0.579	0.093	0.287
A001212_01	At1g56220	expressed protein; protein id: At1g56220.1	-1.659	-1.437	-0.489	-0.968
A001215_01	At1g12240	glycosyl hydrolase family 32; protein id: At1g12240.1	-0.455	-0.405	-0.991	-0.98
A001216_01	At1g74020	strictosidine synthase family; protein id: At1g74020.1	-2.677	-2.275	-1.724	-2.212
A001217_01	At1g13440	glyceraldehyde-3-phosphate dehydrogenase, putative; protein id: At1g13440.1	-0.419	-0.343	0.384	1.021
A001218_01	At1g67440	hypothetical protein; protein id: At1g67440.1	0.076	0.168	-0.498	-0.307
A001219_01	At1g32160	expressed protein; protein id: At1g32160.1	-0.851 NA	NA		-0.264
A001222_01	At1g78320	glutathione transferase, putative; protein id: At1g78320.1	-1.381	-1.007	-0.38	-0.978
A001223_01	At1g78150	unknown protein; protein id: At1g78150.1	0.046	-0.012	0.272	0.537
A001227_01	At1g78280	unknown protein; protein id: At1g78280.1	-0.518	-0.674	-1.13	-0.989
A001229_01	At1g12090	pEARL1 1-like protein; protein id: At1g12090.1	0.252	0.396	0.072	-0.393
A001230_01	At1g53280	expressed protein; protein id: At1g53280.1	0.318	0.481 NA		0.81
A001231_01	At1g63940	monodehydroascorbate reductase, putative; protein id: At1g63940.1	1.026	1	0.454	0.872
A001232_01	At1g69370	chorismate mutase, putative; protein id: At1g69370.1	0.359 NA		0.311	0.749
A001234_01	At1g64230	E2, ubiquitin-conjugating enzyme, putative; protein id: At1g64230.1	-1.141	-0.645	-0.641	-0.904
A001235_01	At1g66150	receptor protein kinase (TMK1), putative; protein id: At1g66150.1	0.371	0.166	-0.222	0.314
A001237_01	At1g67480	unknown protein; protein id: At1g67480.1	-0.557	-0.473	-0.569	-0.394
A001240_01	At1g28260	hypothetical protein; protein id: At1g28260.1	-1.46	-0.952	-1.12	-0.689
A001241_01	At1g64880	expressed protein; protein id: At1g64880.1	1.189	0.825	0.728	1.308

A001242_01	At1g52400	glycosyl hydrolase family 1, beta-glucosidase (BG1)	1.588	1.183	1.615	3.084
A001244_01	At1g64990	hypothetical protein; protein id: At1g64990.1	-0.214 NA		-0.231	-0.013
A001245_01	xxxx	b/t unknown protein; protein id: At1g65590.1 and gly	-0.039 NA		-0.492	-0.216
A001246_01	At1g21450	scarecrow-like 1; protein id: At1g21450.1	-1.898	0.122	-0.31	-0.231
A001247_01	At1g50420	scarecrow-like 3; protein id: At1g50420.1	-1.46	-0.806 NA		-0.297
A001248_01	At1g63120	membrane protein, putative; protein id: At1g63120.1	-0.919	-1.182	-0.512	-0.767
A001250_01	At1g03090	putative 3-methylcrotonyl-CoA carboxylase; protein	-1.022	-0.951	-1.462	-0.923
A001251_01	At1g10830	expressed protein; protein id: At1g10830.1	0.027	0.298	-0.08	-0.034
A001254_01	At1g18270	unknown protein; protein id: At1g18270.1	-1.696	-1.669	-1.101	-0.794
A001255_01	At1g07745	hypothetical protein; protein id: At1g07745.1	-0.262	0.225 NA		NA
A001257_01	At1g15060	hypothetical protein; protein id: At1g15060.1	-0.506	-0.129 NA		0.446
A001260_01	xxxx	b/t hypothetical protein; protein id: At1g07690.1 and	-0.436 NA		-0.336	0.078
A001261_01	At1g36370	putative hydroxymethyltransferase; protein id: At1g3	-1.241	-0.965	-0.933	-0.957
A001263_01	At1g20380	prolyl endopeptidase, putative; protein id: At1g2038	-1.224	-0.859 NA		0.017
A001273_01	At1g62960	1-aminocyclopropane-1-carboxylate synthase, putat	-0.458	-0.349	-0.284	-0.479
A001281_01	At1g01940	hypothetical protein; protein id: At1g01940.1	0.397	0.452	0.139	-0.319
A001283_01	At1g57760	hypothetical protein; protein id: At1g57760.1	-0.1	0.053	0.32	0.105
A001284_01	At1g79040	photosystem II polypeptide, putative; protein id: At1	-1.73	-1.595	-0.911	-0.984
A001285_01	At1g50020	tubulin alpha-6 chain, putative; protein id: At1g5002	-1.232	-1.334	-0.852	-1.523
A001289_01	At1g35680	50S ribosomal protein L21 chloroplast precursor (Cl	0.695	0.681	0.165	0.935
A001291_01	At1g44760	hypothetical protein; protein id: At1g44760.1	0.546	0.795	0.664	0.705
A001293_01	At1g44790	expressed protein; protein id: At1g44790.1	0.254	0.232	0.256	0.258
A001296_01	At1g48840	unknown protein; protein id: At1g48840.1	-0.766	-0.459	-0.898	-0.39
A001297_01	At1g44920	expressed protein; protein id: At1g44920.1	0.164	0.213	0.062	-0.214
A001298_01	At1g57770	hypothetical protein; protein id: At1g57770.1	0.759	0.853	-0.287	-0.207
A001299_01	At1g07600	metallothionein-like protein; protein id: At1g07600.1	-2.041	-3.229	-1.564	-2.657
A001302_01	At1g69700	AtHVA22c; protein id: At1g69700.1	1.237	1.219	0.822	0.703
A001303_01	At1g15670	expressed protein; protein id: At1g15670.1	-2.592	-2.578	-1.484	-1.866
A001306_01	At1g01710	acyl CoA thioesterase, putative; protein id: At1g017	-0.28	-0.215 NA		-0.068
A001308_01	At1g01725	expressed protein; protein id: At1g01725.1	-1.17	-0.565	-0.433	-0.953
A001309_01	At1g75210	cytosolic IMP-GMP specific 5'-nucleotidase, putativ	-0.165	-0.161	-0.016	0.247
A001311_01	At1g75350	chloroplast 50S ribosomal protein L31, putative; pro	0.399	0.288	0.1	-0.492
A001317_01	At1g01930	expressed protein; protein id: At1g01930.1	-0.185	-0.073 NA		-0.141
A001318_01	At1g09310	expressed protein; protein id: At1g09310.1	0.275	-0.089	0.671	0.562
A001324_01	At1g36730	eukaryotic translation initiation factor 5, putative; pr	0.016	-0.094	-0.437	-0.187
A001325_01	At1g53590	expressed protein; protein id: At1g53590.1	-0.309	-0.32 NA		0.119
A001326_01	At1g65070	hypothetical protein; protein id: At1g65070.1	0.425	-0.044 NA		0.435
A001329_01	At1g31330	photosystem I subunit III precursor, putative; protei	0.375	-0.276	-0.224	-0.613
A001331_01	At1g26230	chaperonin precursor, putative; protein id: At1g2623	0.188 NA	NA		0.352
A001332_01	At1g12770	unknown protein; protein id: At1g12770.1	0.599	0.456	0.232	0.288
A001333_01	At1g69510	expressed protein; protein id: At1g69510.1	-0.535	-0.742	-0.162	-0.444
A001334_01	At1g12820	transport inhibitor response 1 (TIR1), putative; prote	-0.502	-0.428	-0.244	-0.308
A001339_01	At1g02860	expressed protein; protein id: At1g02860.1	-1.6 NA		-1.18	-1.725
A001340_01	At1g33140	ribosomal protein L9, putative; protein id: At1g33140	0.839	0.992	0.84	1.157
A001345_01	At1g67280	glyoxalase I, putative (lactoylglutathione lyase); prot	0.168	-0.229	-0.362	-0.127
A001347_01	At1g08620	hypothetical protein; protein id: At1g08620.1	-0.415	-0.333 NA		-0.272
A001348_01	At1g64090	hypothetical protein; protein id: At1g64090.1	0.289	0.473	0.375	0.664
A001350_01	At1g19180	expressed protein; protein id: At1g19180.1	-0.293	-0.295	-0.325	-0.267
A001351_01	At4g00585	expressed protein; protein id: At4g00585.1	0.631	0.497	0.863	0.317
A001352_01	At1g74710	isochorismate synthase 1 (isochorismate mutase) (I	-0.23	0.478 NA		0.918
A001353_01	At1g71900	expressed protein; protein id: At1g71900.1	0.285	0.279 NA		0.247
A001355_01	At1g30795	expressed protein; protein id: At1g30795.1	1.451	1.206	1.005	1.451
A001356_01	At1g43700	VirE2-interacting protein VIP1; protein id: At1g43700	-0.817	-0.884	-0.537	-0.801
A001357_01	At1g77000	F-box protein family, AtFBL5; protein id: At1g77000	-0.642	-0.441	0.028	0.077
A001358_01	At1g64650	unknown protein; protein id: At1g64650.1	0.688	0.815	0.436	0.371
A001360_01	At1g59840	hypothetical protein; protein id: At1g59840.1	0.337	0.531	0.183	0.376
A001363_01	At1g23820	putative spermidine synthase; protein id: At1g23820	0.271	0.183	0.25	0.421
A001369_01	At1g10522	expressed protein; protein id: At1g10522.1	1.804	1.665	1.296	1.604
A001374_01	At1g25330	helix-loop-helix protein homolog, putative; protein id	1.822	1.257	1.58	2.428
A001375_01	At1g02790	polygalacturonase, putative; protein id: At1g02790.1	-0.47	-0.722	-0.714	-1.066
A001376_01	At1g10580	putative pre-mRNA splicing factor; protein id: At1g1	0.38	-0.057	-0.176	0.195
A001378_01	At1g32460	expressed protein; protein id: At1g32460.1	-1.305	-0.916	-0.471	-1.089
A001380_01	At1g31850	unknown protein; protein id: At1g31850.1	0.823	0.876	0.615	0.906
A001387_01	At1g01300	chloroplast nucleoid DNA binding protein, putative; p	0.793	1.334	0.856	1.096
A001389_01	At1g29850	expressed protein; protein id: At1g29850.1	0.01	-0.55	-0.013	-0.463
A001390_01	At1g45976	S-ribonuclease binding protein SBP1, putative; prot	-0.981	-0.881	-0.58	-0.517
A001392_01	At1g19660	expressed protein; protein id: At1g19660.1	-1.82	-2.003	-1.332	-1.364
A001396_01	At1g44350	gr1 protein; protein id: At1g44350.1	0.306 NA		-0.666	-0.783

A001399_01	At1g59124	disease resistance protein (CC-NBS-LRR class), pu	-0.357	-0.333	0.063	-0.051
A001400_01	At1g21900	transmembrane protein, putative; protein id: At1g21	0.044	-0.28	0.074	-0.163
A001401_01	At1g33290	unknown protein; protein id: At1g33290.1	-0.003	0.11	-0.189	-0.384
A001409_01	At1g14150	PsbQ domain protein family; protein id: At1g14150.	-0.33	0.038	-0.421	-0.476
A001410_01	At1g73540	unknown protein; protein id: At1g73540.1	NA	NA	NA	NA
A001411_01	At1g73660	putative protein kinase; protein id: At1g73660.1	-0.257	-0.29	0.038	-0.111
A001412_01	At1g76990	expressed protein; protein id: At1g76990.1	-0.074	-0.425	-0.149	-0.055
A001417_01	At1g17110	ubiquitin-specific protease 15 (UBP15); protein id: A	0.012	0.066	NA	NA
A001418_01	At1g75220	integral membrane protein, putative; protein id: At1g	-0.3	-0.664	-0.811	-0.93
A001420_01	At1g27370	putative squamosa-promoter binding protein 2; prot	0.884	0.978	0.788	1.433
A001421_01	At1g15690	inorganic pyrophosphatase, putative; protein id: At1	-0.245	0.087	-0.227	-0.077
A001426_01	At1g17210	hypothetical protein; protein id: At1g17210.1	-0.615	-0.719	-0.947	-0.832
A001428_01	At1g76080	chloroplast drought-induced stress protein, putative	-0.228	-0.507	-0.656	-0.72
A001429_01	At1g70710	glycosyl hydrolase family 9 (endo-1,4-beta-glucanas	0.8	1.329	0.959	1.259
A001432_01	At1g61900	hypothetical protein; protein id: At1g61900.1	0.107	NA	-0.21	0.418
A001435_01	At1g62510	similar to 14KD proline-rich protein DC2.15 precurs	-1.628	-1.534	-0.703	-2.105
A001436_01	At1g50460	hexokinase, putative; protein id: At1g50460.1	0.534	0.643	0.08	0.139
A001441_01	At1g50250	chloroplast FtsH protease; protein id: At1g50250.1	-1.051	-1.308	-1.017	-1.417
A001442_01	At1g10670	ATP citrate-lyase, putative; protein id: At1g10670.1	0.391	0.122	0.01	0.136
A001445_01	At1g09340	putative RNA-binding protein; protein id: At1g09340	-0.063	-0.006	0.051	0.665
A001446_01	At1g79690	expressed protein; protein id: At1g79690.1	0.438	0.175	0.423	0.943
A001448_01	At1g30630	coatomer-like protein, epsilon subunit; protein id: At	0.532	0.231	0.537	0.845
A001449_01	At5g33315	similar to GB:AAC24836 pol polyprotein (Ty1_Copic	0.265	NA	NA	0.45
A001451_01	At1g21400	branched-chain alpha keto-acid dehydrogenase, pu	-2.388	-2.355	-1.174	-1.342
A001452_01	At1g47740	expressed protein; protein id: At1g47740.1	0.452	0.476	0.345	0.516
A001455_01	At1g25260	expressed protein; protein id: At1g25260.1	0.507	0.524	0.646	0.808
A001457_01	At1g19880	unknown protein; protein id: At1g19880.1	-0.091	-0.163	-0.203	-0.092
A001458_01	At4g20720	expressed protein; protein id: At4g20720.1	-0.067	-0.223	-0.446	-0.071
A001460_01	At1g73490	unknown protein; protein id: At1g73490.1	0.043	0.229	0.438	0.307
A001461_01	At1g63980	expressed protein; protein id: At1g63980.1	0.244	-0.092	-0.425	0.27
A001465_01	At1g12840	vacuolar ATP synthase subunit C, putative; protein	0.277	0.189	0.089	0.167
A001468_01	At1g53910	AP2 domain protein RAP2.12; protein id: At1g53910	-0.585	-0.475	-0.092	0.028
A001471_01	At1g66430	fructokinase, putative; protein id: At1g66430.1	1.52	1.551	1.227	1.725
A001472_01	At1g26920	expressed protein; protein id: At1g26920.1	-1.649	-1.478	-1.092	-1.755
A001474_01	At1g42990	bZIP family transcription factor; protein id: At1g4299	-1.117	NA	-0.26	0.068
A001477_01	At1g14380	expressed protein; protein id: At1g14380.1	-0.785	-0.839	NA	-0.713
A001480_01	At1g35580	invertase, putative; protein id: At1g35580.1	-0.166	NA	NA	0.492
A001481_01	At1g19740	unknown protein; protein id: At1g19740.1	-0.953	-0.49	-0.424	-1.019
A001487_01	At1g09270	putative importin alpha; protein id: At1g09270.1	0.118	0.011	-0.323	-0.05
A001488_01	At1g62750	elongation factor Tu family protein; protein id: At1g6	0.1	-0.333	-0.757	-0.407
A001490_01	At1g19870	hypothetical protein; protein id: At1g19870.1	0.094	-0.092	-0.429	-0.142
A001495_01	At1g52890	NAM-like protein; protein id: At1g52890.1	-1.704	-1.452	-0.922	-1.108
A001496_01	At1g15260	expressed protein; protein id: At1g15260.1	0.246	0.424	NA	0.332
A001507_01	At1g52220	expressed protein; protein id: At1g52220.1	0.237	-0.005	-0.157	0.048
A001511_01	At1g32120	hypothetical protein; protein id: At1g32120.1	-0.526	-0.296	-0.807	-0.396
A001513_01	At1g09620	putative leucyl-tRNA synthetase; protein id: At1g096	0.184	0.189	-0.066	-0.141
A001516_01	At1g77370	glutaredoxin, putative; protein id: At1g77370.1	-0.805	NA	-0.019	-0.645
A001518_01	At1g09750	expressed protein; protein id: At1g09750.1	1.789	1.533	1.233	1.55
A001529_01	At1g08750	putative GPI-anchor transamidase (U32517); protei	-0.047	NA	-0.631	0.323
A001536_01	At1g01960	hypothetical protein; protein id: At1g01960.1	0.15	0.209	-0.033	-0.03
A001537_01	At1g10840	putative translation initiation factor; protein id: At1g1	-0.344	NA	-0.131	0.348
A001553_01	At1g30580	putative GTP-binding protein; protein id: At1g30580	0.199	0.052	0.027	0.382
A001558_01	At1g65290	acyl carrier protein, putative; protein id: At1g65290.	0.871	0.609	0.397	0.471
A001559_01	At1g65295	expressed protein; protein id: At1g65295.1	0.17	NA	0.199	0.015
A001566_01	At1g29900	carbamoylphosphate synthetase, putative; protein id	0.561	0.8	0.557	1.076
A001567_01	At1g07040	expressed protein; protein id: At1g07040.1	-1.739	-1.956	-1.354	-1.875
A001568_01	At1g09100	26S protease regulatory subunit 6A; protein id: At1g	-0.101	NA	NA	0.368
A001573_01	At1g01290	molybdopterin biosynthesis CNX3 protein, putative;	-0.175	-0.114	0.175	0.589
A001578_01	At1g51060	histone H2A, putative; protein id: At1g51060.1	0.828	1.013	0.872	0.561
A001586_01	At1g35170	hypothetical protein; protein id: At1g35170.1	0.494	0.732	NA	1.023
A001593_01	At1g61100	disease resistance protein (TIR class), putative; pro	-0.206	0.227	-0.599	-0.246
A001595_01	At1g26280	hypothetical protein; protein id: At1g26280.1	-0.367	-0.076	-0.128	-0.089
A001601_01	At1g31810	unknown protein; protein id: At1g31810.1	0.215	NA	NA	0.469
A001602_01	At1g04590	expressed protein; protein id: At1g04590.1	0.856	0.891	0.516	0.696
A001604_01	At1g31910	unknown protein; protein id: At1g31910.1	-0.164	-0.221	-0.174	-0.003
A001605_01	At1g04550	putative auxin-induced protein, IAA12; protein id: At	-0.014	0.02	0.055	0.118
A001606_01	At1g04530	expressed protein; protein id: At1g04530.1	-0.272	-0.447	-0.349	-0.133
A001609_01	At1g32070	expressed protein; protein id: At1g32070.1	-0.344	-0.274	-0.345	-0.524

A001610_01	At1g25440	CONSTANS B-box zinc finger family protein; protein	-0.924	-1.161	-0.921	-0.999
A001611_01	At1g25540	hypothetical protein; protein id: At1g25540.1	-0.238 NA	NA	NA	
A001612_01	At1g25530	lysine and histidine specific transporter, putative; pr	-0.922	-0.628	-0.61	-0.276
A001613_01	At1g43130	expressed protein; protein id: At1g43130.1	-0.124	-0.211	-0.172	-0.303
A001619_01	At1g24160	unknown protein; protein id: At1g24160.1	-0.644	-0.608	-0.192	0.007
A001621_01	At1g56310	3'-5' exonuclease, putative; protein id: At1g56310.1	-0.152 NA	NA		0.549
A001624_01	At1g50950	hypothetical protein; protein id: At1g50950.1	-0.253 NA	NA	NA	
A001631_01	At1g35910	trehalose-phosphatase, putative; protein id: At1g359	-1.204	-1.211	-0.217	-0.208
A001645_01	At1g33410	unknown protein; protein id: At1g33410.1	0.81	0.672	0.525	0.884
A001651_01	At1g33265	expressed protein; protein id: At1g33265.1	0.861	0.915	0.421	0.616
A001652_01	At1g66070	expressed protein; protein id: At1g66070.1	0.171 NA	NA		0.166
A001663_01	At1g11960	unknown protein; protein id: At1g11960.1	-0.831 NA	NA		-0.009
A001664_01	At1g28110	serine carboxypeptidase II, putative; protein id: At1g	0.613	0.856	0.422	0.848
A001670_01	At1g27960	unknown protein; protein id: At1g27960.1	0.396	0.536 NA		0.959
A001671_01	At1g27980	sphingosine-1-phosphate lyase, putative; protein id:	-2.323	-2.238	-1.517	-1.391
A001675_01	At1g52340	short chain alcohol dehydrogenase, putative; protein	-0.01	0.117	0.124	0.331
A001677_01	At1g55300	serine/arginine-rich protein, putative; protein id: At1g	-0.041 NA	NA		0.248
A001678_01	At1g55190	expressed protein; protein id: At1g55190.1	-0.305 NA		0.271 NA	
A001679_01	At1g55330	arabinogalactan-protein (AGP21); protein id: At1g553		0.916	0.868	0.814
A001681_01	At1g68920	putative DNA-binding protein; protein id: At1g68920	-0.344	-0.438 NA		-0.178
A001683_01	At1g48380	A.t. chromosome 1 BAC F508 sequence, root hair	0.147 NA	NA		0.464
A001693_01	At1g61010	putative cleavage and polyadenylation specificity fac	0.351	0.545	-0.095	0.188
A001695_01	At1g77480	nucellin-like protein; protein id: At1g77480.1	-0.453 NA		-0.931	-0.073
A001696_01	At1g77540	expressed protein; protein id: At1g77540.1	-0.06	0.438	0.173	-0.379
A001697_01	At1g77450	GRAB1-like protein; protein id: At1g77450.1	-2.341	-1.971	-0.908	-1.41
A001711_01	At1g77440	20S proteasome beta subunit C (PBC2); protein id:	0.648	0.774	0.379	0.69
A001717_01	At1g77290	tetrachloro-p-hydroquinone reductive dehalogenase	-0.473	-0.295	0.053	0.084
A001719_01	At1g72170	unknown protein; protein id: At1g72170.1	0.486	0.722	0.428	0.209
A001720_01	At1g72290	drought induced protein, putative; protein id: At1g72	2.145	1.572	1.701	2.209
A001728_01	At1g73730	ethylene-insensitive3-like3 (EIL3); protein id: At1g73	-0.07	0.152 NA		-0.261
A001736_01	At1g53670	putative membrane channel protein; protein id: At2g	-0.708	-0.691	-0.374	-1.004
A001740_01	At1g73655	peptidylprolyl isomerase, putative; protein id: At1g7	-0.086	0.107	-0.442	-0.518
A001745_01	At1g78210	hypothetical protein; protein id: At1g78210.1	1.167	1.075	0.946	1.442
A001748_01	At1g03280	expressed protein; protein id: At1g03280.1	0.319	0.339 NA		0.739
A001750_01	At1g36380	expressed protein; protein id: At1g36380.1	0.004	0.204	0.218	-0.13
A001756_01	At1g78810	hypothetical protein; protein id: At1g78810.1	0.029	0.185 NA		0.321
A001757_01	At1g71950	expressed protein; protein id: At1g71950.1	-0.366	-0.294	0.061	-0.209
A001758_01	At1g53000	CMP-KDO synthetase, putative; protein id: At1g530	0.752	0.803 NA		0.843
A001760_01	At1g52930	expressed protein; protein id: At1g52930.1	1.003	0.923	0.82	1.508
A001770_01	At1g08810	myb family transcription factor; protein id: At1g0881	-0.709 NA	NA		-0.831
A001773_01	At1g70530	putative protein kinase; protein id: At1g70530.1	-1.331	-1.579	-1.265	-1.712
A001779_01	At1g73940	expressed protein; protein id: At1g73940.1	1.11	0.99	0.858	1.188
A001783_01	At1g74070	expressed protein; protein id: At1g74070.1	0.067 NA		0.096	-0.113
A001785_01	At1g73860	kinesin-related protein; protein id: At1g73860.1	-0.931 NA	NA	NA	
A001789_01	At1g77320	hypothetical protein; protein id: At1g77320.1	-1.439	-0.946 NA		-0.263
A001790_01	At1g64970	gamma-tocopherol methyltransferase; protein id: At	-1.589	-1.14	-0.473	-0.264
A001791_01	At1g69800	expressed protein; protein id: At1g69800.1	-0.269 NA		-0.006	0.372
A001800_01	At1g03890	putative cruciferin 12S seed storage protein; protein NA	NA	NA	NA	NA
A001801_01	At1g68190	CONSTANS B-box zinc finger family protein; protein	-0.692	-0.751	-0.947	-1.224
A001803_01	At1g68160	expressed protein; protein id: At1g68160.1	0.263	0.466	0.074	0.185
A001804_01	At1g51510	RNA-binding protein, putative; protein id: At1g51510	0.33	0.359	0.343	0.128
A001807_01	At1g51560	unknown protein; protein id: At1g51560.1	-0.233 NA	NA		0.265
A001819_01	At1g26940	expressed protein; protein id: At1g26940.1	0.655	1.182 NA		0.637
A001826_01	At1g17130	unknown protein; protein id: At1g17130.1	0.296	-0.118	0.211	0.328
A001827_01	At1g17050	geranyl diphosphate synthase (GPPS)(dimethylallyl	-1.131 NA	NA		-0.932
A001833_01	At1g04340	unknown protein; protein id: At1g04340.1	-0.05	0.474	0.282	0.12
A001838_01	At1g04950	TATA binding protein-associated factor, putative; pr	0.277	0.259	-0.221	0.013
A001842_01	At1g26665	expressed protein; protein id: At1g26665.1	-0.385	-0.136	0.264	0.342
A001843_01	At1g03475	putative coproporphyrinogen III oxidase; protein id:	0.958	0.802	0.58	0.643
A001848_01	At1g55520	transcription initiation factor TFIID-2; protein id: At1g	-0.173	-0.049	0.125	0.422
A001861_01	At1g78510	geranyl diphosphate synthase (GPPS)(dimethylallyl	-1.427	-1.479	-0.903	-0.829
A001864_01	At1g49380	expressed protein; protein id: At1g49380.1	0.062	-0.027	-0.863	-0.82
A001865_01	At1g54110	expressed protein; protein id: At1g54110.1	-0.263 NA	NA	NA	
A001867_01	At1g49360	hypothetical protein; protein id: At1g49360.1	-0.409	-0.446 NA	NA	
A001868_01	At1g54140	transcriptional activation factor TAFII32, putative; pr	0.213	0.45 NA		0.458
A001869_01	At1g54160	CCAAT-binding factor B subunit, putative; protein id	-0.162	-0.531	-0.436	-0.141
A001870_01	At1g73180	expressed protein; protein id: At1g73180.1	0.34	0.437 NA		0.824
A001874_01	At1g72680	putative cinnamyl-alcohol dehydrogenase; protein ic	-0.995 NA		-0.715	-0.712

A001880_01	At1g76600	expressed protein; protein id: At1g76600.1	NA	NA	-1.137	-1.446
A001883_01	At1g51730	unknown protein; protein id: At1g51730.1	0.297	0.34	0.193	0.449
A001884_01	At1g11760	hypothetical protein; protein id: At1g11760.1	-0.406	NA	0.152	0.324
A001886_01	At1g11720	putative glycogen synthase; protein id: At1g11720.1	0.014	0.099	-0.177	0.246
A001889_01	At1g11660	putative heat-shock protein; protein id: At1g11660.1	0.663	0.534	-0.22	NA
A001894_01	At1g20960	U5 small nuclear ribonucleoprotein helicase, putativ	0.061	-0.044	NA	0.333
A001898_01	At1g63690	expressed protein; protein id: At1g63690.1	-0.245	-0.11	-0.249	-0.386
A001901_01	At1g05720	expressed protein; protein id: At1g05720.1	0.502	0.344	0.431	-0.005
A001903_01	At1g26770	expansin, putative; protein id: At1g26770.1	0.129	0.102	0.199	-0.362
A001904_01	At1g51160	unknown protein; protein id: At1g51160.1	0.706	0.517	0.733	0.79
A001912_01	At1g79510	expressed protein; protein id: At1g79510.1	NA	NA	NA	NA
A001913_01	At1g55020	lipoygenase, putative; protein id: At1g55020.1	0.253	-0.183	-0.342	-0.398
A001915_01	At1g26630	initiation factor 5A-4, putative; protein id: At1g26630	0.215	-0.062	0.268	0.331
A001917_01	At1g71697	choline kinase, putative; protein id: At1g71697.1	-1.275	-1.325	-1.283	-0.783
A001918_01	At1g51720	NADP-specific glutamate dehydrogenase, putative	-0.325	-0.331	-0.547	-0.262
A001920_01	At1g70330	expressed protein; protein id: At1g70330.1	-0.094	-0.081	-0.038	0.028
A001924_01	At1g09230	unknown protein; protein id: At1g09230.1	-0.199	-0.099	NA	-0.439
A001929_01	At1g20980	putative SPL1-related protein; protein id: At1g20980	-0.087	NA	-0.224	-0.286
A001932_01	At1g25500	unknown protein; protein id: At1g25500.1	-0.5	NA	NA	NA
A001934_01	At1g17745	genomic sequence for A.t. BAC F22G5 from chrom	0.193	-0.093	0.346	0.731
A001936_01	At1g20850	cysteine proteinase XCP2; protein id: At1g20850.1	0.698	0.646	0.462	0.868
A001937_01	At1g22160	expressed protein; protein id: At1g22160.1	0.379	0.154	0.791	0.7
A001939_01	At1g10370	glutathione transferase, putative; protein id: At1g103	0.739	0.895	0.609	0.727
A001945_01	At1g67300	integral membrane protein, putative; protein id: At1g6	-0.147	-0.309	-0.269	0.118
A001946_01	At1g50480	growth regulator, putative; protein id: At1g35510.1	-0.967	-1.012	-0.867	-0.457
A001952_01	At1g04850	expressed protein; protein id: At1g04850.1	0.162	0.024	-0.028	-0.049
A001957_01	At1g27770	calcium-transporting ATPase 1, plasma membrane-	-0.385	NA	-0.791	-0.93
A001958_01	At1g20780	expressed protein; protein id: At1g20780.1	-0.38	NA	NA	-0.84
A001959_01	At1g04400	putative cryptochrome 2 apoprotein; protein id: At1g	-0.798	-1.029	-0.551	-0.477
A001961_01	At1g28380	expressed protein; protein id: At1g28380.1	-0.925	NA	NA	NA
A001962_01	At1g79975	expressed protein; protein id: At1g79975.1	-0.401	-0.125	-0.1	-0.153
A001963_01	At1g08770	expressed protein; protein id: At1g08770.1	-0.426	-0.207	-0.021	-0.159
A001964_01	At1g54990	expressed protein; protein id: At1g54990.1	0.663	0.783	0.256	0.637
A001966_01	At1g14000	putative protein kinase; protein id: At1g14000.1	-0.313	-0.645	-0.211	0.03
A001967_01	At1g49430	acyl CoA synthetase, putative; protein id: At1g49430	0.684	0.661	0.597	1.093
A001970_01	At1g06570	4-hydroxyphenylpyruvate dioxygenase (HPD); prote	-2.333	-2.189	-1.299	-1.867
A001974_01	At1g63900	putative RING zinc finger protein; protein id: At1g63	-0.388	-0.263	NA	-0.21
A001975_01	At1g64550	ABC transporter family protein; protein id: At1g6455	0.333	0.26	NA	0.302
A001979_01	At1g16240	expressed protein; protein id: At1g16240.1	-0.807	-0.516	-0.39	-0.121
A001980_01	At1g68570	peptide transporter, putative; protein id: At1g68570.	-1.765	-1.175	-0.207	-0.755
A001984_01	At1g04170	translation initiation factor eIF-2 gamma subunit, pu	0.481	NA	0.527	0.707
A001986_01	At1g07080	expressed protein; protein id: At1g07080.1	-0.672	-0.691	-0.454	-0.56
A001988_01	At1g27950	lipid transfer protein, putative; protein id: At1g27950	0.61	0.834	0.657	0.534
A001990_01	At1g15110	putative phosphatidylserine synthase; protein id: At	-0.657	NA	NA	NA
A001996_01	At1g07790	histone H2B; protein id: At1g07790.1	1.061	0.887	0.676	0.478
A001997_01	At1g01120	fatty acid elongase 3-ketoacyl-CoA synthase 1; prot	-0.532	NA	-0.299	-0.718
A002002_01	At1g76490	3-hydroxy-3-methylglutaryl CoA reductase (AA 1-59	-0.385	-0.352	-0.074	-0.079
A002003_01	At1g21610	unknown protein; protein id: At1g21610.1	-0.272	NA	NA	-0.915
A002008_01	At1g47960	expressed protein; protein id: At1g47960.1	-2.915	-2.538	-1.418	-1.678
A002009_01	At1g28140	expressed protein; protein id: At1g28140.1	-1.012	-0.584	-0.785	-0.807
A002011_01	At1g20440	hypothetical protein; protein id: At1g20440.1	-0.655	-1.145	-0.489	-1.214
A002013_01	At1g10470	putative response regulator 3; protein id: At1g10470	-1.206	-0.801	-0.601	-1.201
A002014_01	At1g15950	cinnamoyl CoA reductase, putative; protein id: At1g	-1.125	-1.172	-0.24	-0.336
A002016_01	At1g54080	oligouridylate binding protein (UBP1), putative; prote	-0.111	NA	NA	-0.496
A002017_01	At1g21820	unknown protein; protein id: At1g21820.1	-0.309	-0.085	0.195	-0.015
A002023_01	At1g54780	thylakoid lumen 18.3 kDa protein; protein id: At1g54	-0.192	-0.489	-0.615	-0.57
A002026_01	At1g31812	Acyl CoA binding protein, putative; protein id: At1g3	-0.244	-0.11	0.184	-0.034
A002031_01	At1g30820	CTP synthase-like protein; protein id: At1g30820.1	-1.161	-1.062	-0.498	-1.063
A002032_01	At1g04960	expressed protein; protein id: At1g04960.1	-0.794	-0.932	-0.547	-0.394
A002033_01	At1g10940	Ser/Thr kinase; protein id: At1g10940.1	-0.445	-0.335	-0.24	-0.249
A002035_01	At1g49970	ATP-dependent Clp protease proteolytic subunit (Cl	-0.769	-0.925	-0.656	-0.22
A002037_01	At1g74320	putative choline kinase; protein id: At1g74320.1	-0.24	-0.21	NA	0.223
A002038_01	At1g74740	calcium-dependent protein kinase, putative; protein	-0.95	NA	NA	-0.47
A002045_01	At1g74670	GAST1-like protein; protein id: At1g74670.1	-2.21	NA	-0.529	-1.481
A002050_01	At1g07200	unknown protein; protein id: At1g07200.1	-0.85	-0.945	NA	-1.023
A002052_01	At1g20340	plastocyanin; protein id: At1g20340.1	0.101	-0.171	-0.107	-0.523
A002054_01	At1g22750	expressed protein; protein id: At1g22750.1	-0.994	-0.931	-0.564	-1.037
A002059_01	At1g62390	expressed protein; protein id: At1g62390.1	0.758	0.505	-0.61	0.043

A002061_01	At1g21760	F-box protein family; protein id: At1g21760.1	-0.981	NA		-0.441	-0.333
A002062_01	At1g69830	putative alpha-amylase; protein id: At1g69830.1	1.408		1.346	0.018	0.695
A002065_01	At1g72030	unknown protein; protein id: At1g72030.1	-1.206		-0.621	NA	-0.554
A002066_01	At1g74920	betaine aldehyde dehydrogenase, putative; protein id: At1g74920.1	0.338		0.051	-0.151	0.052
A002067_01	At1g56560	alkaline/neutral invertase, putative; protein id: At1g56560.1	-0.792		-0.622	NA	-0.568
A002068_01	At1g74880	expressed protein; protein id: At1g74880.1	-0.396		-0.319	-0.495	-0.717
A002070_01	At1g02500	S-adenosylmethionine synthetase; protein id: At1g02500.1	-0.604		-0.96	-0.75	-1.121
A002073_01	At1g47128	cysteine proteinase RD21A; protein id: At1g47128.1	-2.049		-2.224	-1.072	-1.074
A002075_01	At1g67740	F12A21.13; protein id: At1g67740.1	-0.451		-0.535	-0.244	-0.651
A002076_01	At1g01790	K Efflux antiporter KEA1; protein id: At1g01790.1	0.206		0.054	-0.222	-0.378
A002079_01	At1g77670	putative aminotransferase; protein id: At1g77670.1	0.829		0.78	0.668	0.759
A002080_01	At1g41880	ribosomal protein; protein id: At1g41880.1	1.056		0.983	1.104	1.089
A002081_01	At1g65960	glutamate decarboxylase 2 (GAD 2); protein id: At1g65960.1	0.681		0.326	0.787	0.962
A002082_01	At1g72450	expressed protein; protein id: At1g72450.1		NA	-0.174	-0.464	-0.469
A002083_01	At1g60200	RRM-containing protein; protein id: At1g60200.1	0.103		-0.505	NA	-0.435
A002085_01	At1g31130	expressed protein; protein id: At1g31130.1	-0.122		-0.12	-0.314	-0.339
A002086_01	At1g69620	60S ribosomal protein L34, putative; protein id: At1g69620.1	1.004		1.044	0.877	0.19
A002087_01	At1g70890	major latex protein (MLP)-related; protein id: At1g70890.1	0.086		0.664	0.629	0.959
A002088_01	At1g25550	expressed protein; protein id: At1g25550.1	-1.403	NA		NA	NA
A002089_01	At1g80930	unknown protein; protein id: At1g80930.1	0.113	NA		NA	0.189
A002090_01	At1g74730	expressed protein; protein id: At1g74730.1	0.322		0.273	0.136	-0.088
A002092_01	At1g04000	expressed protein; protein id: At1g04000.1	-0.708	NA		-0.084	-0.28
A002094_01	At1g74560	putative SET protein, phosphatase 2A inhibitor; protein id: At1g74560.1	1.054		0.905	1.071	1.184
A002096_01	At1g74470	geranylgeranyl reductase; protein id: At1g74470.1	-0.418		-0.511	-0.694	-0.476
A002102_01	At1g02640	glycosyl hydrolase family 3; protein id: At1g02640.1	-0.694		-0.534	-1.211	-1.678
A002103_01	At1g30360	expressed protein; protein id: At1g30360.1	-0.755		-0.68	-0.333	-1.026
A002116_01	At1g75840	GTP binding protein (ARAC5); protein id: At1g75840.1	0.675		0.43	0.381	0.648
A002117_01	At1g79350	hypothetical protein; protein id: At1g79350.1	0.224	NA		NA	-0.202
A002118_01	At1g78080	AP2 domain protein RAP2.4; protein id: At1g78080.1	-1.635		-1.321	-1.191	-1.13
A002120_01	At1g48300	hypothetical protein; protein id: At1g48300.1	-1.423		-1.637	-1.199	-1.72
A002126_01	At1g02850	glycosyl hydrolase family 1; protein id: At1g02850.1	-1.187	NA		NA	-0.809
A002130_01	At1g20670	hypothetical protein; protein id: At1g20670.1	-0.419		-0.477	NA	-0.948
A002138_01	At1g18890	calcium-dependent protein kinase, putative; protein id: At1g18890.1	-0.585		-0.226	-0.137	0.505
A002142_01	At1g56450	20S proteasome beta subunit G1 (PBG1); protein id: At1g56450.1	0.584		0.757	0.736	0.777
A002146_01	At1g24360	putative 3-oxoacyl (acyl-carrier protein) reductase; protein id: At1g24360.1	0.725		0.647	0.523	0.736
A002147_01	At1g59650	expressed protein; protein id: At1g59650.1	-0.143		-0.498	-0.174	0.134
A002148_01	At1g55120	glycosyl hydrolase family 32; protein id: At1g55120.1	0.342		0.129	0.064	0.326
A002149_01	At1g04580	putative aldehyde oxidase; protein id: At1g04580.1	-3.019	NA		NA	NA
A002160_01	At1g72830	CCAAT-binding factor B subunit homolog, putative; protein id: At1g72830.1	-1.184		-1.132	NA	-0.617
A002165_01	At1g54340	NADP-isocitrate dehydrogenase, putative; protein id: At1g54340.1	-0.503		-0.334	-0.083	0.161
A002171_01	At1g28410	hypothetical protein; protein id: At1g28410.1	0.566		0.775	NA	0.5
A002175_01	At1g28510	expressed protein; protein id: At1g28510.1	0.425		0.23	0.184	-0.094
A002176_01	At1g15920	BTG1 binding factor 1, putative; protein id: At1g15920.1	-0.279		-0.31	-0.294	-0.296
A002178_01	At1g16040	unknown protein; protein id: At1g16040.1	-0.399	NA		NA	-0.272
A002180_01	At1g30450	cation-chloride co-transporter, putative; protein id: At1g30450.1	0.475	NA		NA	0.184
A002183_01	At1g74430	myb family transcription factor; protein id: At1g74430.1	1.384		1.26	0.923	1.258
A002184_01	At1g18880	peptide transporter, putative; protein id: At1g18880.1	-1.92		-1.845	NA	NA
A002198_01	At1g14290	acid phosphatase, putative; protein id: At1g14290.1	0.349	NA		NA	0.647
A002199_01	At1g14300	hypothetical protein; protein id: At1g14300.1	0.457	NA			0.669
A002206_01	At1g14510	nucleic acid binding protein (alfin-1), putative; protein id: At1g14510.1	0.195		0.17	0.304	0.326
A002210_01	At1g43670	fructose 1,6-bisphosphatase, putative; protein id: At1g43670.1	-0.897		-0.926	-1.184	-1.377
A002214_01	At1g16460	mercaptopyruvate sulfurtransferase (Mst2/Rdh2); protein id: At1g16460.1	-0.391		-0.516	-0.358	-0.087
A002218_01	At1g79700	ovule development protein, putative; protein id: At1g79700.1		NA		-0.607	-1.303
A002220_01	At1g62370	hypothetical protein; protein id: At1g62370.1	-2.072		-1.712	-0.795	-1.695
A002224_01	At1g78460	hypothetical protein; protein id: At1g78460.1	-1.176		-0.449	NA	NA
A002230_01	At1g07870	protein kinase, putative (fragment); protein id: At1g07870.1	-0.505		-0.204	-0.171	-0.064
A002232_01	At1g07720	fatty acid elongase 3-ketoacyl-CoA synthase, putative; protein id: At1g07720.1	-1.708		-1.772	NA	NA
A002235_01	At1g62990	homeodomain-containing protein HD1, putative; protein id: At1g62990.1	-1.201	NA		NA	NA
A002237_01	At1g62880	unknown protein; protein id: At1g62880.1	-0.237		-0.016	0.044	0.142
A002243_01	At1g01800	carbonyl reductase, putative; protein id: At1g01800.1	-0.067	NA		-0.017	-0.174
A002244_01	At1g53560	expressed protein; protein id: At1g53560.1	-1.931		-1.779	-1.18	-2.148
A002246_01	At1g12830	peroxisomal targeting signal type 2 receptor; protein id: At1g12830.1	0.454		0.382	0.594	0.508
A002258_01	At1g14890	expressed protein; protein id: At1g14890.1	-1.098		-0.595	-0.361	-0.79
A002259_01	At1g14920	GAI; protein id: At1g14920.1	0.169		0.515	0.615	1.115
A002260_01	At1g14790	RNA-dependent RNA polymerase, putative; protein id: At1g14790.1	-0.562		-0.38	-0.872	-0.792
A002266_01	At1g19110	unknown protein; protein id: At1g19110.1	-0.039		-0.172	-0.851	-0.435
A002267_01	At1g55910	expressed protein; protein id: At1g55910.1	-0.904	NA		-0.492	-0.487
A002272_01	At1g55830	hypothetical protein; protein id: At1g55830.1	-0.221		-0.145	NA	NA

A002283_01	At1g17590	transcription factor, putative; protein id: At1g17590.1	-0.421	NA	NA		0.141
A002284_01	At1g17520	myb-related DNA-binding protein, putative; protein id: At1g17520.1	-0.617	NA		-0.267	-0.24
A002285_01	At1g17510	expressed protein; protein id: At1g17510.1	0.325		0.472	0.586	0.607
A002294_01	At1g20470	hypothetical protein; protein id: At1g20470.1	-1.36		-1.111	NA	NA
A002308_01	xxxx	b/t At1g48600.1 phosphoethanolamine N-methyltransferase	-0.457		-0.365	NA	NA
A002329_01	At1g20200	26S proteasome regulatory subunit S3 (RPN3), putative; protein id: At1g20200.1	0.332		0.348	0.244	0.426
A002330_01	At1g20100	expressed protein; protein id: At1g20100.1	-0.904		-0.752	-0.282	-0.038
A002338_01	At1g32360	putative MYB family transcription factor; protein id: At1g32360.1	-0.226		-0.589	-0.293	-0.427
A002345_01	At1g15880	cis-Golgi SNARE protein, putative; protein id: At1g15880.1	-0.416		-0.76	-0.587	-0.304
A002346_01	At1g72330	putative alanine aminotransferase; protein id: At1g72330.1	-0.195		-0.33	-0.831	-0.485
A002349_01	At1g22050	expressed protein; protein id: At1g22050.1	-1.16		-1.417	-0.869	-0.473
A002356_01	At1g26690	expressed protein; protein id: At1g26690.1	-0.038		0.115	0.201	0.121
A002359_01	At1g07110	fructose-2,6-bisphosphatase, putative; protein id: At1g07110.1	-0.503		-1.007	-0.902	-0.923
A002363_01	At1g09420	putative glucose-6-phosphate dehydrogenase; protein id: At1g09420.1	-0.649		-0.618	-0.601	-0.615
A002365_01	At1g21570	glycine-rich RNA-binding domain grp1a, putative; protein id: At1g21570.1	-0.954	NA	NA		-0.798
A002368_01	xxxx	b/t hypothetical protein; protein id: At1g80990.1 and	-0.191		-0.037	-0.333	0.069
A002369_01	At1g50670	unknown protein; protein id: At1g50670.1	-0.009		-0.209	-0.103	0.376
A002370_01	At1g50620	hypothetical protein; protein id: At1g50620.1	0.215		0.13	NA	0.385
A002372_01	At1g50510	unknown protein; protein id: At1g50510.1	0.142		0.16	0.3	0.397
A002374_01	At1g29170	hypothetical protein; protein id: At1g29170.1	0.299		0.397	NA	0.412
A002376_01	At1g17780	unknown protein; protein id: At1g17780.1	-1.115	NA	NA	NA	
A002378_01	At1g17930	expressed protein; protein id: At1g17930.1	0.039		-0.161	NA	0.213
A002383_01	At1g33811	unknown protein; protein id: At1g33811.1	-0.018	NA		0.073	0.21
A002385_01	At1g01360	expressed protein; protein id: At1g01360.1	-1.319		-1.158	-0.127	-0.16
A002387_01	At1g24440	expressed protein; protein id: At1g24440.1	-0.973		-0.818	-0.364	-0.608
A002390_01	At1g24610	expressed protein; protein id: At1g24610.1	0.561		0.609	0.123	0.228
A002393_01	At1g26550	expressed protein; protein id: At1g26550.1	-0.114		-0.213	0.2	0.03
A002405_01	At1g28190	hypothetical protein; protein id: At1g28190.1	NA	NA	NA	NA	
A002408_01	At1g16960	hypothetical protein; protein id: At1g16960.1	-1.231		-1.189	-0.902	-1.816
A002409_01	At1g16950	hypothetical protein; protein id: At1g16950.1	-2.675		-2.231	-0.301	-1.156
A002412_01	At1g16900	Ser Thr protein kinase, putative; protein id: At1g16900.1	0.451		0.301	0.041	0.341
A002413_01	At1g16870	unknown protein; protein id: At1g16870.1	0.829		0.837	NA	1.039
A002417_01	At1g16730	hypothetical protein; protein id: At1g16730.1	NA	NA	NA	NA	
A002418_01	At1g16705	expressed protein; protein id: At1g16705.1	-0.156		-0.244	0.766	0.804
A002425_01	At1g57540	hypothetical protein; protein id: At1g57540.1	-0.117		0.327	0.183	NA
A002429_01	At1g19750	G-protein beta-subunit (transducin) family; protein id: At1g19750.1	-0.446	NA	NA		0.423
A002432_01	At1g53120	expressed protein; protein id: At1g53120.1	0.086		0.211	-0.235	-0.175
A002433_01	At1g53130	unknown protein; protein id: At1g53130.1	1.495		1.49	1.693	2.516
A002437_01	At1g75390	bZIP transcription factor ATB2, putative; protein id: At1g75390.1	0.417		0.304	0.619	1.156
A002441_01	At1g27100	unknown protein; protein id: At1g27100.1	-1.613	NA		-1.054	-1.427
A002454_01	At1g28680	anthranilate N-hydroxycinnamoyl/benzoyltransferase; protein id: At1g28680.1	-0.826		-0.784	NA	-0.058
A002461_01	At1g06530	hypothetical protein; protein id: At1g06530.1	0.187	NA		0.153	-0.172
A002473_01	At1g69110	pseudogene, putative ribosomal protein	-1.832		-1.465	-0.588	-1.135
A002476_01	At1g78020	expressed protein; protein id: At1g78020.1	-0.814		0.192	-0.048	-0.059
A002480_01	At1g10660	unknown protein; protein id: At1g10660.1	-0.653	NA		-0.435	-0.581
A002484_01	At1g76300	small nuclear ribonucleoprotein, putative; protein id: At1g76300.1	0.821		0.873	0.643	0.514
A002488_01	At1g76110	unknown protein; protein id: At1g76110.1	-1.11		-1.102	-0.787	-1.066
A002489_01	At1g14590	hypothetical protein common family; protein id: At1g14590.1	0.498	NA	NA		0.517
A002491_01	At1g11380	expressed protein; protein id: At1g11380.1	-0.729		-0.643	-0.357	-1.12
A002506_01	At1g48970	hypothetical protein; protein id: At1g48970.1	-0.185	NA	NA		-0.223
A002514_01	At1g19300	glycosyltransferase family; protein id: At1g19300.1	-0.994		-0.635	-0.557	-1.354
A002522_01	At1g11090	lysophospholipase isolog; protein id: At1g11090.1	-0.214		-0.099	0.021	0.13
A002523_01	At1g76810	translation initiation factor eIF-2, putative; protein id: At1g76810.1	0.203		-0.143	-0.207	-0.13
A002525_01	At1g76650	putative calmodulin; protein id: At1g76650.1	NA	NA		-1.653	-2.937
A002534_01	At1g13690	expressed protein; protein id: At1g13690.1	0.602		0.443	0.188	0.096
A002535_01	At1g07960	unknown protein; protein id: At1g07960.1	0.477		0.419	0.41	0.254
A002537_01	At1g19710	hypothetical protein; protein id: At1g19710.1	0.752		0.862	NA	1.39
A002539_01	At1g32170	xyloglucan endotransglycosylase (XTR4), putative; protein id: At1g32170.1	-1.48	NA		-1.158	-1.753
A002540_01	At1g21710	8-oxoguanine DNA glycosylase-like protein; protein id: At1g21710.1	0.336		0.339	0.13	0.809
A002542_01	At1g51140	expressed protein; protein id: At1g51140.1	-1.236		-1.245	NA	0.181
A002545_01	At1g77350	expressed protein; protein id: At1g77350.1	0.638		0.428	0.487	0.416
A002557_01	At1g73250	GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-related protein; protein id: At1g73250.1	0.564		0.563	NA	0.275
A002558_01	At1g62250	unknown protein; protein id: At1g62250.1	-0.422		-0.718	-0.541	-0.785
A002560_01	At1g67190	F-box protein family; protein id: At1g67190.1	-0.316	NA	NA		0.179
A002561_01	At1g55480	expressed protein; protein id: At1g55480.1	0.217		0.19	-0.349	-0.607
A002562_01	At1g48520	expressed protein; protein id: At1g48520.1	0.854		0.871	-0.09	0.787
A002580_01	At1g22480	uclacyanin II, putative; protein id: At1g22480.1	-2.511		-1.656	-1.468	-1.586
A002588_01	At1g22430	alcohol dehydrogenase ADH, putative; protein id: At1g22430.1	-0.246		-0.3	-0.454	-0.246

A002592_01	At1g05140	expressed protein; protein id: At1g05140.1	-0.608	-0.446	-0.451	-0.459
A002599_01	At1g78600	CONSTANS B-box zinc finger family protein; protein id: At1g78600.1	0.793	0.999	-0.027	0.205
A002608_01	At1g30120	pyruvate dehydrogenase E1 beta subunit, putative; protein id: At1g30120.1	0.266	0.28	0.224	0.474
A002609_01	At1g19220	auxin response factor, putative; protein id: At1g19220.1	-0.585 NA	NA	NA	NA
A002610_01	At1g22450	cytochrome c oxidase subunit, putative; protein id: At1g22450.1	0.663	0.281	0.39	0.439
A002618_01	At1g23060	expressed protein; protein id: At1g23060.1	-0.919	-1.11 NA	NA	0.249
A002623_01	At1g12420	hypothetical protein; protein id: At1g12420.1	0.283 NA	NA	0.06	0.898
A002626_01	At1g79210	proteasome alpha subunit, putative; protein id: At1g79210.1	0.374 NA	NA	NA	0.407
A002632_01	At1g12580	calcium-dependent protein kinase, putative; protein id: At1g12580.1	-0.253	-0.072 NA	NA	-0.445
A002634_01	At1g73670	putative MAP kinase; protein id: At1g73670.1	-0.587	-0.344	-0.66	-0.247
A002641_01	At1g12350	hypothetical protein; protein id: At1g12350.1	0.182	0.074	0.203	0.04
A002642_01	At1g73170	putative ATPase; protein id: At1g73170.1	-0.226	-0.103	-0.164	0.113
A002643_01	At1g12010	putative amino-cyclopropane-carboxylic acid oxidase; protein id: At1g12010.1	-3.692	-3.108	-1.109	-1.679
A002644_01	At1g73530	RRM-containing RNA-binding protein, putative; protein id: At1g73530.1	0.183 NA	NA	0.2	-0.294
A002646_01	At1g72710	putative casein kinase I; protein id: At1g72710.1	-0.648	-0.652	-0.117	-0.623
A002647_01	At1g12330	hypothetical protein; protein id: At1g12330.1	0.866	1.107	0.876	1.249
A002648_01	At1g11890	putative vesicle transport protein; protein id: At1g11890.1	0.132	0.083	0.265	0.164
A002650_01	At1g70420	expressed protein; protein id: At1g70420.1	-1.442 NA	NA	NA	NA
A002651_01	At1g70410	carbonic anhydrase, putative; protein id: At1g70410.1	-0.665	-0.84	-0.398	-0.521
A002656_01	At1g20580	expressed protein; protein id: At1g20580.1	0.395	0.62	0.609	0.883
A002658_01	At1g12910	flower pigmentation protein ATAN11; protein id: At1g12910.1	-0.23	-0.26	-0.098	0.024
A002659_01	At1g73430	unknown protein; protein id: At1g73430.1	0.238	0.416	-0.039	0.373
A002660_01	At1g72640	hypothetical protein; protein id: At1g72640.1	-0.076	0.144	-0.217	-0.371
A002662_01	At1g72550	putative phenylalanyl-tRNA synthetase beta-subunit; protein id: At1g72550.1	0.25	0.291	0.204	0.607
A002672_01	At1g20670	hypothetical protein; protein id: At1g20670.1	-0.727	-0.393 NA	NA	-0.6
A002674_01	At1g67900	unknown protein; protein id: At1g67900.1	-0.699 NA	NA	NA	-0.429
A002675_01	At1g23400	unknown protein; protein id: At1g23400.1	0.022	-0.218	-0.294	-0.242
A002676_01	At1g61810	glycosyl hydrolase family 1; protein id: At1g61810.1	-2.934 NA	NA	-2.043	-2.872
A002677_01	At1g61890	expressed protein; protein id: At1g61890.1	-0.161	-0.05	-0.089	-0.175
A002678_01	At1g61990	hypothetical protein; protein id: At1g61990.1	0.619	0.75 NA	NA	0.817
A002692_01	At1g31300	expressed protein; protein id: At1g31300.1	-0.183	-0.113	-0.098	-0.079
A002695_01	At1g56340	calreticulin (crt1); protein id: At1g56340.1	1.267	1.148	1.018	1.397
A002696_01	At1g55510	branched-chain alpha-keto acid decarboxylase E1 beta subunit; protein id: At1g55510.1	-0.88	-0.959	-0.543	-1.007
A002699_01	At1g54850	hypothetical protein; protein id: At1g54850.1	0.014 NA	NA	NA	0.288
A002702_01	At1g15100	putative RING-H2 zinc finger protein; protein id: At1g15100.1	-1.848	-1.587	-0.396	-1.005
A002703_01	At1g03370	unknown protein; protein id: At1g03370.1	0.097	-0.11 NA	NA	-0.195
A002704_01	At1g23490	putative ADP-ribosylation factor; protein id: At1g23490.1	-0.14	0.024	-0.17	-0.266
A002706_01	At1g03190	putative DNA repair protein; protein id: At1g03190.1	0.01 NA	NA	NA	0.023
A002712_01	At1g32220	expressed protein; protein id: At1g32220.1	-0.147	0.254	-0.711	-0.803
A002713_01	At1g78780	expressed protein; protein id: At1g78780.1	-0.068	-0.034	0.369	0.204
A002718_01	At1g06890	unknown protein; protein id: At1g06890.1	NA	NA	-0.067	-0.131
A002721_01	At1g78790	hypothetical protein; protein id: At1g78790.1	-0.251 NA	NA	NA	NA
A002724_01	At1g48050	regulatory protein, putative; protein id: At1g48050.1	0.085	0.154 NA	NA	0.034
A002732_01	At1g73680	feebly-like protein; protein id: At1g73680.1	-0.953	-1.166	-1.113	-1.172
A002733_01	At1g15400	expressed protein; protein id: At1g15400.1	-0.857	-0.65	-0.273	-0.855
A002735_01	At1g55680	expressed protein; protein id: At1g55680.1	-0.725	-0.545	-0.446	0.13
A002736_01	At1g29760	hypothetical protein; protein id: At1g29760.1	-1.351	-1.164	-0.803	-0.302
A002737_01	At1g28580	lipase, putative; protein id: At1g28580.1	-1.679	-1.351	-0.75	-0.736
A002738_01	At1g76100	plastocyanin; protein id: At1g76100.1	0.203	0.013	0.007	-0.596
A002741_01	At1g72610	germin-like protein; protein id: At1g72610.1	1.014	0.732	0.366	0.794
A002742_01	At1g74950	expressed protein; protein id: At1g74950.1	-0.353	-0.431	-0.224	-0.383
A002744_01	At1g03970	G-box binding factor 4, GBF4; protein id: At1g03970.1	-0.742	-0.701	-0.305	-0.682
A002750_01	At1g17720	type 2A protein serine/threonine phosphatase 55 kDa; protein id: At1g17720.1	0.095	0.24 NA	NA	-0.527
A002762_01	At1g52880	NAM-like protein; protein id: At1g52880.1	-3.086	-3.004	-1.94	-3.046
A002768_01	At1g17100	SOUL-like protein; protein id: At1g17100.1	0.208	0.261	0.285	0.447
A002772_01	At1g17470	developmentally regulated GTP-binding protein; protein id: At1g17470.1	0.069	0.167	0.058	0.65
A002773_01	At1g57610	hypothetical protein; protein id: At1g57610.1	0.39 NA	NA	0.553	0.826
A002774_01	At1g61790	hypothetical protein; protein id: At1g61790.1	0.754	0.696	0.304	0.922
A002777_01	At1g04910	growth regulator protein; protein id: At1g04910.1	0.409	0.145 NA	NA	0.413
A002779_01	At1g69740	putative aminolevulinic acid dehydratase; protein id: At1g69740.1	0.859	0.673	0.092	0.469
A002780_01	At1g74210	putative glycerophosphodiester phosphodiesterase; protein id: At1g74210.1	-0.335 NA	NA	NA	0.515
A002782_01	At1g67950	RRM-containing protein; protein id: At1g67950.1	1.037	1.183	1.009	1.105
A002787_01	At1g52300	60S ribosomal protein L37, putative; protein id: At1g52300.1	0.683	0.726	0.747	1.011
A002788_01	At1g17550	protein phosphatase 2C, putative; protein id: At1g17550.1	-0.895	-1.014	-0.842	-0.747
A002793_01	At1g54070	unknown protein; protein id: At1g54070.1	-0.517	-0.43	-0.709	-2.108
A002795_01	At1g17490	expressed protein; protein id: At1g17490.1	-0.182	0.36 NA	NA	-0.223
A002797_01	At1g54710	expressed protein; protein id: At1g54710.1	-1.116 NA	NA	-0.885	-0.833
A002798_01	At1g53570	MAP3K alpha protein kinase, putative; protein id: At1g53570.1	-1.735 NA	NA	-1.242	-1.798

A002800_01	At1g76150	hypothetical protein; protein id: At1g76150.1	-0.819	-1.073	-0.882	-0.699
A002809_01	At1g20890	unknown protein; protein id: At1g20890.1	-0.279 NA		0.026	-0.607
A002818_01	At1g21920	phosphatidylinositol-4-phosphate 5-kinase, putative	-2.143	-2.192	-1.585	-1.981
A002820_01	At1g21600	expressed protein; protein id: At1g21600.1	0.285	0.18	-0.554	-0.242
A002822_01	At1g19580	expressed protein; protein id: At1g19580.1	0.564	0.746	0.356	0.552
A002823_01	At1g08640	expressed protein; protein id: At1g08640.1	0.39	0.572	-0.141	0.172
A002830_01	At1g29260	peroxisomal targeting signal type 2 receptor Pex7p;	-0.436 NA		-0.214	-0.531
A002834_01	At1g10500	unknown protein; protein id: At1g10500.1	-1.654	-1.488	-1.153	-1.387
A002838_01	At1g08980	expressed protein; protein id: At1g08980.1	-0.698 NA		-0.625	-0.908
A002841_01	At1g79230	mercaptopyruvate sulfurtransferase (Mst1/Rdh1); pr	0.691	0.491	0.408	0.751
A002842_01	At1g16340	putative 3-deoxy-D-manno-2-octulosonate-8-phosph	1.028	0.875	0.659	1.056
A002851_01	At1g43710	histidine decarboxylase, putative; protein id: At1g43	0.352	-0.065	0.026	0.242
A002854_01	At1g80310	putative sulfate transporter; protein id: At1g80310.1	-2.05	-1.896	-1.733	-2.873
A002855_01	At1g32700	expressed protein; protein id: At1g32700.1	-2.008	-2.453	-1.287	-1.093
A002858_01	At1g26580	hypothetical protein; protein id: At1g26580.1	-0.294	-0.408	-0.443	-0.383
A002863_01	At1g54520	expressed protein; protein id: At1g54520.1	-0.695	-0.564	-0.616	-0.782
A002866_01	At1g01510	expressed protein; protein id: At1g01510.1	0.626	0.729 NA		0.926
A002869_01	At1g30400	glutathione S-conjugate ABC transporter (AtMRP1);	-0.726	-0.866	-0.544	-0.236
A002871_01	At1g34300	hypothetical protein; protein id: At1g34300.1	-0.582	-0.815 NA		-1.234
A002875_01	At1g79280	hypothetical protein; protein id: At1g79280.1	0.208 NA	NA		0.104
A002881_01	At1g15425	expressed protein; protein id: At1g15425.1	0.413	0.325	0.51	0.957
A002895_01	At1g56190	phosphoglycerate kinase, putative; protein id: At1g5	0.156	0.173	-0.619	-0.865
A002896_01	At1g32760	unknown protein; protein id: At1g32760.1	-0.004	-0.13 NA		-0.023
A002898_01	At1g34630	hypothetical protein; protein id: At1g34630.1	-0.932 NA	NA		-0.609
A002901_01	At1g32790	RNA-binding protein, putative; protein id: At1g32790	-0.429 NA		-0.015	-0.11
A002902_01	At1g76920	F-box protein family, AtFBX3; protein id: At1g76920	-0.506	-0.463	-0.329	-0.158
A002904_01	At1g47530	unknown protein; protein id: At1g47530.1	-0.809	-0.705	-0.65	-0.975
A002907_01	At1g21500	expressed protein; protein id: At1g21500.1	0.072	0.544	-0.03	-0.976
A002908_01	At1g52420	glycosyl transferase, putative; protein id: At1g52420	0.691	0.609	-0.095	0.61
A002916_01	At1g68670	expressed protein; protein id: At1g68670.1	-0.447	-0.633	-0.627	-0.451
A002917_01	At1g68620	expressed protein; protein id: At1g68620.1	-3.021 NA		-1.102	-1.981
A002919_01	At1g65260	expressed protein; protein id: At1g65260.1	-0.172	-0.179	-0.569	-0.541
A002922_01	At1g80830	metal ion transporter; protein id: At1g80830.1	-1.705	-1.406	-1.06	-0.897
A002923_01	At1g74940	expressed protein; protein id: At1g74940.1	-0.812	-0.528	-0.669	-0.316
A002934_01	At1g80000	expressed protein; protein id: At1g80000.1	-0.253 NA	NA		-0.931
A002939_01	At1g80230	cytochrome c oxidase subunit, putative; protein id: /	-0.042	0.484	0.153	-0.293
A002940_01	At1g34560	hypothetical protein; protein id: At1g34560.1	0.161	-0.139	-0.259	-0.55
A002946_01	At1g52720	expressed protein; protein id: At1g52720.1	0.475	0.581	0.086	-0.212
A002950_01	At1g52590	expressed protein; protein id: At1g52590.1	-1.243	-1.301	-1.372	-1.472
A002952_01	At1g34640	expressed protein; protein id: At1g34640.1	-0.336	0.357	0.603	0.351
A002955_01	At1g72820	mitochondrial carrier protein family; protein id: At1g;	-0.388 NA		-0.155	-0.181
A002958_01	At1g22610	phosphoribosylanthranilate transferase, putative; pr	-0.563 NA	NA		-0.401
A002977_01	At1g19130	expressed protein; protein id: At1g19130.1	-0.125	0.211	0.057	0.062
A002982_01	At1g14650	splicing factor, putative; protein id: At1g14650.1	-0.142 NA	NA		-0.797
A002988_01	At1g04220	putative beta-ketoacyl-CoA synthase; protein id: At1	-0.192	-0.078	0.973	1.588
A002991_01	At1g63460	glutathione peroxidase, putative; protein id: At1g634	0.149	0.222	0.253	0.064
A002993_01	At1g63430	leucine-rich repeat transmembrane protein kinase, p	0.192	0.338	-0.02	0.37
A002997_01	At1g56140	similar to receptor-like protein kinase, putative; prot	-0.564 NA	NA		-0.49
A002998_01	At1g50320	thioredoxin, putative; protein id: At1g50320.1	-0.795	-0.417	-0.41	-0.933
A002999_01	At1g56580	expressed protein; protein id: At1g56580.1	0.872	0.893	1.556	1.694
A003001_01	At1g08970	putative transcription factor; protein id: At1g08970.1	-0.542	-0.409	0.072	-0.035
A003003_01	At1g54370	hypothetical protein; protein id: At1g54370.1	-0.299	0.181 NA		0.312
A003004_01	At1g77930	expressed protein; protein id: At1g77930.1	-1.644	-1.38	-0.761	-0.786
A003006_01	At1g79850	30S ribosomal protein S17, chloroplast precursor (C	0.575	0.526	0.372	-0.003
A003011_01	At1g47310	expressed protein; protein id: At1g47310.1	-0.106	-0.14 NA		-0.205
A003012_01	At1g71480	unknown protein; protein id: At1g71480.1	-1.306 NA	NA	NA	
A003016_01	At1g55000	expressed protein; protein id: At1g55000.1	-1.09	-0.782	-0.792	-0.563
A003018_01	At1g70810	expressed protein; protein id: At1g70810.1	-2.252 NA	NA	NA	
A003023_01	At1g62740	TPR-repeat protein; protein id: At1g62740.1	0.035	-0.019	-0.178	0.065
A003024_01	At1g01610	hypothetical protein; protein id: At1g01610.1	-0.047	0.566	0.475	0.431
A003029_01	At1g62780	unknown protein; protein id: At1g62780.1	0.384	-0.048	-0.13	0.161
A003034_01	At1g21980	phosphatidylinositol-4-phosphate 5-kinase, putative	0.243	0.225 NA		0.371
A003036_01	At1g42970	glyceraldehyde-3-phosphate dehydrogenase; protei	0.003	-0.071	-0.71	-0.422
A003037_01	At1g10690	unknown protein; protein id: At1g10690.1	NA	NA	NA	NA
A003039_01	At1g28440	leucine-rich repeat transmembrane protein kinase, p	-0.409 NA	NA		-0.44
A003042_01	At1g07140	Ran-binding protein (atranbp1a); protein id: At1g071	0.393	0.61	-0.077	0.119
A003045_01	At1g52740	putative histone H2A; protein id: At1g52740.1	-0.081	-0.132	0.156	-0.197
A003050_01	At1g16570	unknown protein; protein id: At1g16570.1	0.267 NA		0.089	0.056

A003054_01	At1g16810	expressed protein; protein id: At1g16810.1	-0.254	-0.333	0.092	-0.402
A003055_01	At1g18060	expressed protein; protein id: At1g18060.1	0.492	0.441	0.069	-0.033
A003056_01	At1g28150	expressed protein; protein id: At1g28150.1	-0.047	0.426	0.146	-0.248
A003058_01	At1g77180	expressed protein; protein id: At1g77180.1	-0.306	-0.295	-0.313	-0.314
A003059_01	At1g26220	unknown protein; protein id: At1g26220.1	-0.326	0.047	-0.246	-0.766
A003060_01	At1g17620	expressed protein; protein id: At1g17620.1	-0.29	-0.184	-0.135	-1.156
A003070_01	At1g73600	phosphoethanolamine N-methyltransferase, putative	0.396	0.364	1.04	1.91
A003078_01	At1g52980	putative GTP-binding protein; protein id: At1g52980	0.494	0.597	NA	0.552
A003079_01	At1g31870	unknown protein; protein id: At1g31870.1	0.167	0.13	0.008	0.568
A003084_01	At1g05340	expressed protein; protein id: At1g05340.1	-3.019	-2.724	-1.027	-2.678
A003092_01	At1g17710	hypothetical protein; protein id: At1g17710.1	-0.642	NA	NA	0.097
A003101_01	At1g06550	3-hydroxyisobutyryl-coenzyme A hydrolase, putative	1.009	0.482	0.618	1.319
A003106_01	At1g47830	clathrin coat assembly protein AP17, putative; prote	0.331	0.534	0.38	0.322
A003107_01	At1g27210	expressed protein; protein id: At1g27210.1	0.205	0.21	0.232	0.575
A003109_01	At1g18460	unknown protein; protein id: At1g18460.1	-0.471	-0.384	-0.145	-0.002
A003110_01	At1g45160	hypothetical protein; protein id: At1g45160.1	-0.475	-0.308	NA	-0.516
A003112_01	At1g27385	expressed protein; protein id: At1g27385.1	-0.161	-0.04	-0.057	-0.573
A003113_01	At1g25420	expressed protein; protein id: At1g25420.1	-0.355	NA	NA	0.058
A003114_01	At1g19450	integral membrane protein, putative; protein id: At1g	-0.697	-1.103	-1.226	-1.692
A003117_01	At1g29820	unknown protein; protein id: At1g29820.1	-0.228	-0.156	-0.177	-0.13
A003121_01	At1g55110	zinc finger protein, putative; protein id: At1g55110.1	-0.949	-0.977	-0.309	-0.708
A003124_01	At1g19200	hypothetical protein; protein id: At1g19200.1	NA	NA	NA	NA
A003130_01	At1g30090	expressed protein; protein id: At1g30090.1	-1.031	NA	-0.474	-0.377
A003131_01	At1g49180	hypothetical protein; protein id: At1g49180.1	-0.658	NA	NA	-0.36
A003134_01	At1g26440	fatty acid elongase 3-ketoacyl-CoA synthase 1; prot	-0.979	-0.805	-0.597	-0.529
A003137_01	At1g25350	tRNA-glutamine synthetase, putative; protein id: At1	0.039	0.153	0.161	0.529
A003138_01	At1g78570	dTDP-glucose 4,6-dehydratase, putative; protein id:	1.552	1.127	0.755	1.308
A003141_01	At1g21065	expressed protein; protein id: At1g21065.1	-1.323	-1.236	-1.169	-1.656
A003148_01	At1g11170	hypothetical protein; protein id: At1g11170.1	NA	NA	NA	NA
A003154_01	At1g61870	expressed protein; protein id: At1g61870.1	1.29	1.166	0.92	1.589
A003164_01	At1g01230	expressed protein; protein id: At1g01230.1	-0.269	NA	NA	-0.419
A003170_01	At1g52730	unknown protein; protein id: At1g52730.1	-0.039	0.018	NA	0.403
A003174_01	At1g13640	ubiquitin, putative; protein id: At1g13640.1	-0.054	-0.023	-0.517	-0.682
A003181_01	At1g72090	expressed protein; protein id: At1g72090.1	0.768	0.723	0.49	0.767
A003184_01	At1g72050	C2H2-type zinc finger protein, putative; protein id: A	0.001	-0.197	0.252	0.504
A003186_01	At1g67070	phosphomannose isomerase, putative; protein id: A	-1.527	NA	NA	-1.242
A003189_01	At1g66490	hypothetical protein; protein id: At1g66490.1	0.005	0.358	0.192	0.063
A003190_01	At1g60000	chloroplast RNA-binding protein, putative; protein id	0.095	0.146	-0.03	-0.125
A003194_01	At1g18490	expressed protein; protein id: At1g18490.1	0.117	0.572	0.14	0.24
A003197_01	At1g54500	rubredoxin, putative; protein id: At1g54500.1	-0.103	0.003	-0.075	-0.359
A003198_01	At1g08460	expressed protein; protein id: At1g08460.1	-0.404	-0.272	-0.415	-0.708
A003199_01	At1g49150	hypothetical protein; protein id: At1g49150.1	-0.016	0.007	0.103	-0.16
A003207_01	At1g37130	nitrate reductase, putative; protein id: At1g37130.1	-0.915	-0.821	-0.923	-0.981
A003208_01	At1g49950	DNA-binding protein PcMYB1, putative; protein id: A	-0.106	-0.049	-0.098	-0.268
A003209_01	At1g50530	hypothetical protein; protein id: At1g50530.1	-0.189	0.26	NA	-0.199
A003213_01	At1g49200	RING-H2 finger protein RHA3a, putative; protein id:	-0.391	NA	NA	-0.446
A003214_01	At1g65650	expressed protein; protein id: At1g65650.1	0.251	0.065	0.442	0.442
A003217_01	At1g53210	expressed protein; protein id: At1g53210.1	-0.206	-0.102	-0.233	-0.12
A003222_01	At1g41830	pectinesterase (pectin methylesterase), putative; pr	1.437	1.244	0.859	1.05
A003235_01	At1g04690	putative K+ channel, beta subunit; protein id: At1g0	-0.103	-0.165	0.098	0.319
A003237_01	At1g19380	hypothetical protein; protein id: At1g19380.1	NA	NA	-0.722	-1.543
A003242_01	At1g80300	adenine nucleotide translocase; protein id: At1g803	-0.776	-0.385	-0.687	-0.955
A003245_01	At1g24450	putative ribonuclease III; protein id: At1g24450.1	-0.027	0.206	0.084	-0.412
A003250_01	At1g07650	leucine-rich repeat transmembrane protein kinase, p	-0.12	0.009	0.366	0.588
A003252_01	At1g33270	expressed protein; protein id: At1g33270.1	-0.553	-0.512	-0.162	-0.213
A003263_01	At1g01540	protein serine/threonine kinase, putative; protein id:	0.349	0.065	-0.113	-0.267
A003264_01	At1g64720	membrane related protein CP5, putative; protein id:	-0.16	-0.613	-0.52	-0.218
A003266_01	At1g55920	serine acetyltransferase; protein id: At1g55920.1	-1.958	NA	NA	NA
A003274_01	At1g30610	hypothetical protein; protein id: At1g30610.1	0.383	0.585	0.242	0.841
A003276_01	At1g11860	aminomethyltransferase-like precursor protein; prot	0.076	-0.135	0.074	0.094
A003277_01	At1g61670	hypothetical protein; protein id: At1g61670.1	0.461	0.526	0.172	0.369
A003278_01	At1g24260	MADS-box protein; protein id: At1g24260.1	0.082	0.033	0.017	-0.379
A003280_01	At1g28060	hypothetical protein; protein id: At1g28060.1	0.016	0.033	NA	-0.289
A003286_01	At1g19310	expressed protein; protein id: At1g19310.1	NA	NA	-0.33	-0.91
A003287_01	At1g56505	hypothetical protein; protein id: At1g56505.1	-0.434	-0.629	-1.26	-1.337
A003291_01	At1g58290	glutamyl-tRNA reductase, putative; protein id: At1g5	0.001	-0.198	-0.645	-0.407
A003294_01	At1g19570	dehydroascorbate reductase, putative; protein id: At	0.648	0.636	0.513	0.57
A003299_01	At1g73885	hypothetical protein; protein id: At1g73885.1	-0.657	-0.647	-0.473	-0.725

A003304_01	At1g27520	glycoside hydrolase family 47 family; protein id: At1g27520.1	-0.671	NA	NA		-0.235
A003311_01	At1g55340	unknown protein; protein id: At1g55340.1	0.296	NA		0.161	0.295
A003317_01	At1g27850	transposon protein, putative; protein id: At1g27850.1	-0.461	NA	NA	NA	
A003329_01	At1g63090	unknown protein; protein id: At1g63090.1	-0.806		-0.415	-0.615	-0.522
A003333_01	At1g33690	unknown protein; protein id: At1g33690.1	-0.256		0.022	NA	0.299
A003337_01	At1g52760	putative lipase; protein id: At1g52760.1	-0.976		-1.416	-0.914	-1.013
A003339_01	At1g63050	unknown protein; protein id: At1g63050.1	0.498		0.608	0.298	0.761
A003351_01	At1g77770	unknown protein; protein id: At1g77770.1	-0.889		-0.814	-0.473	-0.447
A003354_01	At1g02840	pre-mRNA splicing factor SF2 (SR1 protein); protein id: At1g02840.1	-0.315		0.028	-0.102	0.094
A003359_01	At1g30720	FAD-linked oxidoreductase family; protein id: At1g30720.1	1.064		1.103	0.714	0.466
A003360_01	At1g70600	60S ribosomal protein L27A; protein id: At1g70600.1	0.785		0.557	0.889	0.469
A003365_01	At1g10750	putative carboxyl-terminal peptidase; protein id: At1g10750.1	-1.236		-0.72	-0.171	-0.593
A003366_01	At1g11400	expressed protein; protein id: At1g11400.1	0.341		0.362	0.391	-0.075
A003367_01	At1g67250	expressed protein; protein id: At1g67250.1	0.681		0.579	0.519	0.282
A003370_01	At1g09840	shaggy-like protein kinase, kappa; protein id: At1g09840.1	0.056		0.277	0.288	0.117
A003371_01	At1g02650	hypothetical protein; protein id: At1g02650.1	-0.192		0.29	-0.06	0.33
A003373_01	At1g76010	expressed protein; protein id: At1g76010.1	-0.681		-0.066	-0.626	-1.227
A003377_01	At1g06400	ras-related GTP-binding protein (RAB11D); protein id: At1g06400.1	-0.61		-0.571	-0.096	-0.304
A003381_01	At1g71120	putative proline-rich APG protein; protein id: At1g71120.1	-0.726	NA	NA	NA	
A003382_01	At3g49490	expressed protein; protein id: At3g49490.1	-0.408		-0.684	-0.546	-0.288
A003383_01	At1g65930	isocitrate dehydrogenase, putative; protein id: At1g65930.1	0.209		0.225	0.055	0.652
A003385_01	At1g09250	bHLH protein; protein id: At1g09250.1	-0.469	NA		0.5	0.328
A003387_01	At1g50450	expressed protein; protein id: At1g50450.1	0.192		0.288	-0.029	-0.406
A003388_01	At1g71080	expressed protein; protein id: At1g71080.1	0.089		-0.086	0.291	-0.031
A003389_01	At1g68560	glycosyl hydrolase family 31 (alpha-xylosidase); protein id: At1g68560.1	1.059		0.916	0.585	0.746
A003393_01	At1g79610	sodium/hydrogen exchanger; protein id: At1g79610.1	-0.836		-0.617	-0.288	-0.261
A003394_01	At1g10740	putative lipase; protein id: At1g10740.1	-0.201		-0.279	-0.34	-0.458
A003395_01	At1g19835	unknown protein; protein id: At1g19835.1	0.083		-0.214	0.123	0.684
A003398_01	At1g78890	expressed protein; protein id: At1g78890.1	-0.425		-0.231	-0.161	-0.694
A003404_01	At1g28230	purine permease; protein id: At1g28230.1	-0.813	NA		-0.558	-1.036
A003405_01	At1g21590	hypothetical protein; protein id: At1g21590.1	-0.291	NA		-0.361	-0.476
A003406_01	At1g29390	expressed protein; protein id: At1g29390.1	-0.265		0.045	0.063	-0.806
A003408_01	At1g24180	pyruvate dehydrogenase E1 alpha subunit; protein id: At1g24180.1	-0.151		0.068	NA	0.261
A003409_01	At1g21560	hypothetical protein; protein id: At1g21560.1	0.806		0.774	0.389	0.878
A003410_01	At1g30470	unknown protein; protein id: At1g30470.1	-0.175		-0.086	-0.237	-0.26
A003411_01	At1g47710	serpin, putative; protein id: At1g47710.1	-0.381		-0.567	0.316	0.364
A003412_01	At1g21460	expressed protein; protein id: At1g21460.1	-0.464		-0.83	0.058	-0.126
A003418_01	At1g56570	hypothetical protein; protein id: At1g56570.1	-0.538		-0.092	NA	-0.789
A003419_01	At1g66240	copper homeostasis factor, putative; protein id: At1g66240.1	-0.574		-0.358	-0.047	-0.76
A003423_01	At1g09610	unknown protein; protein id: At1g09610.1		NA	NA	NA	NA
A003425_01	At1g50570	expressed protein; protein id: At1g50570.1	-0.656		-0.898	-0.294	0.063
A003428_01	At1g49880	expressed protein; protein id: At1g49880.1	-0.492	NA	NA	NA	
A003431_01	At1g06460	heat shock protein, putative; protein id: At1g06460.1	-1.369		-1.441	-1.334	-2.02
A003433_01	At1g06700	protein kinase interactor, putative; protein id: At1g06700.1	-0.488	NA		-0.635	-0.355
A003434_01	At1g15350	expressed protein; protein id: At1g15350.1	-1.283	NA		-1.223	NA
A003440_01	At1g22200	expressed protein; protein id: At1g22200.1	0.113		-0.154	-0.001	0.152
A003443_01	At1g11060	unknown protein; protein id: At1g11060.1	-0.485	NA	NA		-0.603
A003444_01	At1g72190	phosphoglycerate dehydrogenase, putative; protein id: At1g72190.1	-0.315	NA	NA		0.06
A003446_01	At1g80070	splicing factor Prp8, putative; protein id: At1g80070.1	-0.386		-0.231	0.189	0.321
A003448_01	At1g12760	unknown protein; protein id: At1g12760.1		NA	NA	-0.584	-1.131
A003456_01	At1g31830	amino acid permease, putative; protein id: At1g31830.1	0.051	NA	NA		0.262
A003458_01	At1g06780	expressed protein; protein id: At1g06780.1	-0.76		-0.558	-0.191	-0.306
A003460_01	At1g77840	eukaryotic initiation factor 5 (eIF-5), putative; protein id: At1g77840.1	0.338		0.188	-0.077	0.398
A003465_01	At1g65320	hypothetical protein; protein id: At1g65320.1	-0.177	NA	NA	NA	
A003467_01	At1g19600	ribokinase, putative; protein id: At1g19600.1	0.07		0.208	NA	0.046
A003468_01	At1g32130	unknown protein; protein id: At1g32130.1	-0.328		-0.645	-0.311	-0.43
A003470_01	At1g65410	ABC transporter family protein; protein id: At1g65410.1	-0.213	NA		-0.469	-0.142
A003471_01	At1g65420	antigen receptor, putative; protein id: At1g65420.1	0.062		0.231	NA	0.027
A003472_01	At1g30510	ferredoxin NADP oxidoreductase, putative; protein id: At1g30510.1	0.382		0.291	0.213	0.478
A003475_01	At1g80920	J8-like protein; protein id: At1g80920.1	-1.649		-2.215	-1.412	-1.842
A003478_01	At1g34370	zinc finger protein, putative; protein id: At1g34370.1	-0.432		-0.52	-0.656	-0.465
A003480_01	At1g56660	hypothetical protein; protein id: At1g56660.1	-0.601	NA	NA		-1.405
A003483_01	At1g79570	hypothetical protein; protein id: At1g79570.1	-0.348		-0.243	-0.094	-0.065
A003486_01	At1g76710	unknown protein; protein id: At1g76710.1	0.799		0.538	NA	0.848
A003488_01	At1g76730	expressed protein; protein id: At1g76730.1	-0.335		-0.364	-0.571	-0.568
A003493_01	At1g49850	RING-H2 finger protein RHY1a; protein id: At1g49850.1	-0.723	NA		-0.409	-0.486
A003497_01	At1g22140	expressed protein; protein id: At1g22140.1	-0.871		-0.643	-0.48	-1.116
A003500_01	At1g68760	putative mutT protein; protein id: At1g68760.1	0.122		0.322	0.617	0.357

A003501_01	At1g29990	hydrophilic protein, putative; protein id: At1g29990.1	0.208	0.23	0.216	-0.094
A003503_01	At1g22070	bZIP transcription factor, TGA3; protein id: At1g220	-0.626	-0.506	-0.722	-0.996
A003510_01	At1g10140	expressed protein; protein id: At1g10140.1	-2.103	-1.762	-0.735	-1.87
A003512_01	At1g12800	heat shock factor protein hsf8, putative; protein id: A	0.575	0.351	-0.314	0.232
A003513_01	At1g69250	NTF2-containing RNA-binding protein, putative; proi	0.43	0.311	0.411	0.688
A003518_01	At1g79380	expressed protein; protein id: At1g79380.1	-1.469	-1.296	-0.504	-1.089
A003522_01	At1g71730	unknown protein; protein id: At1g71730.1	0.169 NA	NA		-0.277
A003523_01	At1g07220	hypothetical protein; protein id: At1g07220.1	0.824	0.984	0.771	1.305
A003528_01	At1g76520	expressed protein; protein id: At1g76520.1	-1.02 NA		-0.571	-0.814
A003530_01	At1g64950	cytochrome p450, putative; protein id: At1g64950.1	-1.221	-0.975	-0.667	-0.642
A003533_01	At1g78140	expressed protein; protein id: At1g78140.1	-0.678	-0.525	-0.613	-0.996
A003535_01	At1g56170	transcription factor, putative; protein id: At1g56170.	-0.063	0.391	0.807	0.711
A003536_01	At1g35490	bZIP family transcription factor; protein id: At1g3549	-0.63	-0.902 NA		-1.017
A003537_01	At1g63800	E2, ubiquitin-conjugating enzyme 5 (UBC5); protein	-1.782	-1.943	-1.419	-1.946
A003538_01	At1g03610	expressed protein; protein id: At1g03610.1	-1.394	-1.638	-1.112	-1.252
A003540_01	At1g14420	pectate lyase, putative; protein id: At1g14420.1	-0.498	-0.689 NA		-1.666
A003544_01	At1g16720	unknown protein; protein id: At1g16720.1	-0.829 NA		-1.312	-0.989
A003547_01	At1g71790	actin capping protein beta-2, putative; protein id: At	0.866	0.866	0.482	0.471
A003553_01	At1g15860	unknown protein; protein id: At1g15860.1	-0.607	-0.692	-0.389	-0.453
A003554_01	At3g49430	arginine/serine-rich splicing factor (atSRp34), putati	0.343	0.372	0.47	0.488
A003555_01	At1g13930	expressed protein; protein id: At1g13930.1	0.059	-0.269	-0.507	-0.867
A003556_01	At1g34000	expressed protein; protein id: At1g34000.1	-1.051	-0.957	-0.565	-1.555
A003560_01	At1g77850	auxin response factor, putative; protein id: At1g7785	-0.596 NA	NA		-0.785
A003567_01	At1g64660	methionine/cystathionine gamma lyase, putative; pr	-0.327	0.071	-0.213	-0.664
A003574_01	At1g79880	RRM-containing protein; protein id: At1g79880.1	-0.385	-0.183	-0.113	-0.589
A003576_01	At1g04770	hypothetical protein; protein id: At1g04770.1	-0.784	-0.912 NA		-1.435
A003588_01	At1g06960	small nuclear ribonucleoprotein U2B, putative; prote	0.616	0.691	0.543	0.666
A003599_01	At1g68790	putative nuclear matrix constituent protein 1 (NMCP	0.368	0.161 NA		0.115
A003604_01	At1g70610	ABC transporter family protein; protein id: At1g7061	-0.405	-0.987	-0.947	-0.552
A003606_01	At1g70590	expressed protein; protein id: At1g70590.1	-0.975	-0.972 NA		-0.717
A003607_01	At1g70740	putative protein kinase; protein id: At1g70740.1	-0.266 NA	NA		-0.252
A003608_01	At1g70660	E2, ubiquitin-conjugating enzyme, putative; protein i	-0.656	-0.353	-0.422	-0.726
A003610_01	At1g76450	oxygen-evolving complex-23 related protein; protein	0.307	0.204	-0.65	-0.362
A003614_01	At1g33050	unknown protein; protein id: At1g33050.1	-1.125	-1.533	-1.331	-1.16
A003617_01	At1g32930	Avr9 elicitor response protein, putative; protein id: A	0.882	0.52	0.617	1.077
A003621_01	At1g64105	expressed protein; protein id: At1g64105.1	-0.193	-0.033	0.032	-0.404
A003628_01	At1g12680	calcium dependent protein kinase, putative; protein	-0.601 NA	NA		-0.315
A003630_01	At1g32310	expressed protein; protein id: At1g32310.1	0.356	0.68	0.611 NA	
A003633_01	At1g14720	xyloglucan endotransglycosylase (XTR2); protein id	-0.132	0.007	-0.274	-0.309
A003636_01	At1g05840	expressed protein; protein id: At1g05840.1	-0.892 NA		-0.947	-1.259
A003637_01	At1g16920	GTP binding protein, putative; protein id: At1g16920	1.366	1.324	0.839	1.166
A003641_01	At1g18730	unknown protein; protein id: At1g18730.1	-0.497	-0.127	-1.094	-0.921
A003643_01	At1g20830	hypothetical protein; protein id: At1g20830.1	-0.082 NA		-0.016	0.115
A003647_01	At1g72970	expressed protein; protein id: At1g72970.1	2.012	1.545	1.355	2.361
A003648_01	At1g75340	expressed protein; protein id: At1g75340.1	0.091 NA	NA		-0.496
A003653_01	At1g08130	ligase I, putative; protein id: At1g08130.1	0.679	0.853	0.976	1.881
A003655_01	At1g06110	F-box protein family; protein id: At1g06110.1	-0.002	0.143	0.105	0.092
A003656_01	At1g74970	ribosomal protein S9, putative; protein id: At1g7497	0.158	0.931	0.289	0.388
A003657_01	At1g06060	expressed protein; protein id: At1g06060.1	-0.006	-0.281 NA		0.037
A003660_01	At1g07770	ribosomal protein S15; protein id: At1g07770.1	0.664	1.085	0.997	0.682
A003664_01	At1g01160	expressed protein; protein id: At1g01160.1	-0.305 NA		0.202	-0.178
A003665_01	At1g80650	hypothetical protein; protein id: At1g80650.1	-0.268	-0.313	-0.111	-0.665
A003667_01	At1g05970	hypothetical protein; protein id: At1g05970.1	0.143	0.544	0.428	0.448
A003668_01	At1g05940	expressed protein; protein id: At1g05940.1	-0.153	-0.208	-0.437	-0.645
A003671_01	At1g13450	DNA binding protein GT-1, putative; protein id: At1g	-0.629 NA		-0.395	-0.157
A003672_01	At1g70490	putative ADP-ribosylation factor 1; protein id: At1g7	0.513	0.362	0.406	0.967
A003673_01	At1g16780	vacuolar-type H+-translocating inorganic pyrophosph	1.039	0.969	0.491	0.937
A003675_01	At1g70520	putative protein kinase; protein id: At1g70520.1	-1.119	-1.125	-1.308	-1.295
A003676_01	At1g75420	unknown protein; protein id: At1g75420.1	0.227 NA	NA		0.339
A003678_01	At1g64140	hypothetical protein; protein id: At1g64140.1	-0.367	-0.625	-0.227	-0.526
A003679_01	At1g70480	expressed protein; protein id: At1g70480.1	0.588	0.398	0.268	0.511
A003681_01	At1g69390	expressed protein; protein id: At1g69390.1	0.251	0.324	0.089	0.039
A003689_01	At1g78920	vacuolar-type H+-translocating inorganic pyrophosp	0.174	0.296	0.172	0.381
A003690_01	At1g59990	DEAD/DEAH box RNA helicase protein, putative pu	1.172	1.184	0.703	1.273
A003691_01	At1g10900	phosphatidylinositol-4-phosphate 5-kinase isolog; pi	-1.018	-0.84	-0.921	-0.151
A003694_01	At1g17880	transcription factor, putative; protein id: At1g17880.	0.844	0.837	1.012	1.011
A003695_01	At1g79440	succinic semialdehyde dehydrogenase (gabD), putat	-0.167 NA	NA		-0.276
A003696_01	At1g30540	expressed protein; protein id: At1g30540.1	-0.353	-0.258	-0.426	-0.436

A003698_01	At1g30520	hypothetical protein; protein id: At1g30520.1	0.75	0.832	0.597	0.674
A003703_01	At1g48320	hypothetical protein; protein id: At1g48320.1	-2.318	-1.953	-1.22	NA
A003706_01	At1g64460	unknown protein; protein id: At1g64460.1	-0.118	NA		0.427
A003710_01	At1g69840	unknown protein; protein id: At1g69840.1	-0.465	-0.688	-0.517	-0.703
A003714_01	At1g69640	acid phosphatase, putative; protein id: At1g69640.1	NA		-0.295	-0.709
A003716_01	At1g28400	hypothetical protein; protein id: At1g28400.1	0.618	-0.146	0.611	0.68
A003719_01	At1g67970	putative heat shock transcription factor; protein id: A	-0.773	NA	NA	
A003720_01	At1g72430	expressed protein; protein id: At1g72430.1	-1.157	-1.094	-0.708	-1.897
A003732_01	At1g44170	aldehyde dehydrogenase, putative; protein id: At1g4	0.47	0.502	0.492	1.113
A003736_01	At1g68230	unknown protein; protein id: At1g68230.1	-0.93	NA	-0.384	-0.504
A003737_01	At1g68170	MtN21-like protein; protein id: At1g68170.1	-0.069	NA	-0.553	-0.517
A003743_01	At1g51490	glycosyl hydrolase family 1; protein id: At1g51490.1	-0.362	-0.338	NA	
A003744_01	At1g51590	mannosyl-oligosaccharide alpha-1,2-mannosidase,	0.001	-0.173	NA	0.248
A003750_01	At1g47270	F-box containing tubby family protein; protein id: At1	-0.706	-0.247	-0.723	-0.436
A003753_01	At1g32200	glycerol-3-phosphate acyltransferase; protein id: At	0.302	NA	-0.181	-0.143
A003754_01	At1g75980	unknown protein; protein id: At1g75980.1	0.457	0.503	0.288	0.611
A003755_01	At1g50200	alanine--tRNA ligase, putative; protein id: At1g5020	-0.242	-0.367	-0.17	0.063
A003756_01	At1g76060	unknown protein; protein id: At1g76060.1	-0.044	NA		-0.344
A003762_01	At1g32090	hypothetical protein; protein id: At1g32090.1	-0.695	-0.881	-0.733	-1.165
A003767_01	At1g31480	shoot gravitropism 2; protein id: At1g31480.1	-0.697	-0.577	-0.546	-0.13
A003773_01	At1g17280	putative ubiquitin-conjugating enzyme; protein id: At	-0.502	-0.578	NA	-0.329
A003775_01	At1g17160	putative ribokinase; protein id: At1g17160.1	0.214	0.07	0.288	0.657
A003789_01	At1g05570	callose synthase (CalS1), (1,3-beta-glucan synthase)	-0.735	-0.496	NA	0.25
A003800_01	At1g07320	expressed protein; protein id: At1g07320.1	0.878	1.116	0.387	0.12
A003802_01	At1g80420	putative DNA repair protein; protein id: At1g80420.1	-0.076	-0.204	-0.45	-0.61
A003803_01	At1g08600	unknown protein; protein id: At1g08600.1	-0.128	-0.277	NA	-0.299
A003804_01	At1g15960	metal ion transporter, putative; protein id: At1g1596	-1.705	-1.118	-1.35	-0.61
A003808_01	At1g09850	cysteine protease XBCP3; protein id: At1g09850.1	0.423	0.534	-0.291	-0.151
A003809_01	At1g09870	expressed protein; protein id: At1g09870.1	0.221	0.314	NA	0.294
A003817_01	At1g62280	hypothetical protein; protein id: At1g62280.1	0.987	0.908	0.93	1.545
A003820_01	At1g65530	hypothetical protein; protein id: At1g65530.1	0.33	0.408	NA	0.105
A003825_01	At1g70100	expressed protein; protein id: At1g70100.1	0.025	-0.164	0.158	0.636
A003826_01	At1g55590	F-box protein family; protein id: At1g55590.1	-0.259	NA		-0.261
A003827_01	At1g55620	expressed protein; protein id: At1g55620.1	-0.175	0.186	-0.711	-0.39
A003829_01	At1g49710	fucosyltransferase c3 protein, putative; protein id: A	-0.584	-0.601	-0.213	-0.029
A003844_01	At1g52040	myosinase-binding protein homolog, putative; prote	2.062	1.605	1.339	2.54
A003846_01	At1g04190	unknown protein; protein id: At1g04190.1	0.522	0.43	0.432	0.919
A003849_01	At1g79090	expressed protein; protein id: At1g79090.1	-0.067	NA	-0.778	-0.287
A003851_01	xxxx	b/t tRNA-Arg;protein id: At1g79240 and serine/thre	-1.172	-1.038	-0.895	-0.832
A003854_01	At1g79340	hypothetical protein common family; protein id: At1g	0.238	0.056	0.015	0.075
A003860_01	At1g70350	hypothetical protein; protein id: At1g70350.1	0.719	1.01	0.835	0.453
A003861_01	At1g70300	potassium transporter, putative; protein id: At1g703	-1.282	NA	NA	NA
A003863_01	At1g53230	flower development protein cycloidea (cyc3), putativ	0.861	1.074	0.72	1.158
A003864_01	At1g60160	potassium transporter, putative; protein id: At1g601	NA		-1.408	-2.02
A003869_01	At1g09180	putative GTP-binding protein, SAR1B; protein id: At	-1.221	-1.148	-0.385	-0.913
A003872_01	At1g69570	Dof zinc finger protein; protein id: At1g69570.1	-1.723	-2.047	-0.672	-0.726
A003875_01	At1g77140	vacuolar protein sorting homolog; protein id: At1g77	-0.426	0.002	-0.216	0.165
A003876_01	At1g77130	hypothetical protein; protein id: At1g77130.1	-0.465	-0.382	-0.56	-0.678
A003885_01	At1g78915	unknown protein; protein id: At1g78915.1	0.216	NA	-0.306	-0.239
A003889_01	At1g78680	gamma glutamyl hydrolase, putative; protein id: At1	-0.567	NA	-0.53	-0.97
A003898_01	At1g23780	expressed protein; protein id: At1g23780.1	-0.499	-0.419	-0.193	-0.626
A003910_01	At1g51980	mitochondrial processing peptidase alpha subunit, p	-0.204	-0.038	-0.096	0.044
A003914_01	At1g61780	postsynaptic protein CRIP1, putative; protein id: At1	-0.491	-0.318	0.091	-0.305
A003915_01	At1g31170	expressed protein; protein id: At1g31170.1	-0.943	-0.846	-0.706	-1.506
A003921_01	At1g61570	expressed protein; protein id: At1g61570.1	0.289	0.812	0.768	0.775
A003925_01	At1g54130	RSH3 (RelA/SpoT homolog); protein id: At1g54130.	-1.191	-1.023	-0.612	-0.65
A003926_01	At1g03150	expressed protein; protein id: At1g03150.1	-0.198	NA	-0.073	-0.55
A003932_01	At1g11790	putative chloroplast prephenate dehydratase; protei	0.867	0.868	0.642	1.19
A003933_01	xxxx	b/t hypothetical protein; protein id: At1g11760.1 and	-0.465	-0.645	-1.751	-2.22
A003940_01	At1g13000	unknown protein; protein id: At1g13000.1	-0.097	NA		-0.596
A003947_01	At1g10320	splicing factor U2AF small subunit-related protein, p	-0.399	-0.261	NA	0.26
A003948_01	At1g10360	glutathione transferase, putative; protein id: At1g10	-0.368	-0.021	0.162	-0.158
A003952_01	At1g16350	putative inosine-5-monophosphate dehydrogenase;	0.801	0.782	0.696	1.2
A003958_01	At1g14200	unknown protein; protein id: At1g14200.1	-1.17	NA		-0.166
A003959_01	At1g13970	hypothetical protein; protein id: At1g13970.1	-0.311	-0.842	-1.526	-1.046
A003960_01	At1g14130	dioxygenase-like protein; protein id: At1g14130.1	-2.353	NA	-1.645	-1.616
A003961_01	At1g14140	mitochondrial carrier protein family; protein id: At1g	0.346	0.655	NA	0.603
A003965_01	At1g59910	hypothetical protein; protein id: At1g59910.1	-0.861	-0.62	NA	-0.486

A003968_01	At1g15120	putative ubiquinol--cytochrome-c reductase; protein	0.087	0.14	0.192	-0.062
A003969_01	At1g15270	expressed protein; protein id: At1g15270.1	-0.763	-0.649	-0.189	-0.484
A003974_01	At1g21790	expressed protein; protein id: At1g21790.1	-1.091 NA		-0.202	-0.92
A003979_01	At1g47640	expressed protein; protein id: At1g47640.1	0.303	0.738	0.289	0.364
A003982_01	At1g47410	hypothetical protein; protein id: At1g47410.1	-0.241	-0.522 NA		NA
A003984_01	At1g27530	expressed protein; protein id: At1g27530.1	-0.33	-0.526	-0.18	-0.648
A003989_01	At1g11210	expressed protein; protein id: At1g11210.1	-2.354	-1.945	-1.772 NA	
A003991_01	At1g74850	hypothetical protein; protein id: At1g74850.1	0.238	-0.048 NA		-0.161
A003997_01	At1g80170	polygalacturonase, putative; protein id: At1g80170.1	-0.549	-0.516 NA		-0.639
A004000_01	At1g70900	expressed protein; protein id: At1g70900.1	-0.418	-0.449	0.024	0.161
A004003_01	At1g52510	hypothetical protein; protein id: At1g52510.1	0.049 NA		NA	-0.079
A004018_01	At1g80760	nodulin-like protein; protein id: At1g80760.1	-1.334	-1.321	-0.424	-0.877
A004026_01	At1g54350	ABC transporter family protein; protein id: At1g5435	0.015	0.17	-0.355	0.112
A004038_01	At1g35190	hyoscyamine 6-dioxygenase hydroxylase, putative;	-1.327	-0.585	-0.536	0.234
A004039_01	xxxx	b/t F-box protein family; protein id: At1g67190.1 anc	-1.262	-1.384	-0.238	-1.357
A004044_01	At1g45230	similar to defective chloroplasts and leaves (DCL) p	-0.25	-0.108	-0.379	-0.409
A004045_01	At1g47056	F-box protein family; protein id: At1g47056.1	-0.845	-0.797	-0.563	-0.346
A004048_01	At1g18470	expressed protein; protein id: At1g18470.1	-1.184	-1.435	-0.976	-1.199
A004058_01	At1g16880	expressed protein; protein id: At1g16880.1	-0.608	-0.623	-0.328	-0.412
A004098_01	At1g56290	expressed protein; protein id: At1g56290.1	0.126	0.062 NA		0.368
A004103_01	At1g50840	DNA polymerase A family protein, putative; protein i	0.182	0.357 NA		0.79
A004107_01	At1g26560	glycosyl hydrolase family 1; protein id: At1g26560.1	-1.194	-0.914 NA		-0.503
A004121_01	At1g66580	60S ribosomal protein L10, putative; protein id: At1g	0.234	0.392	0.581	0.834
A004122_01	At1g66590	expressed protein; protein id: At1g66590.1	-0.007	0.151	-0.086	-0.378
A004144_01	At1g33230	expressed protein; protein id: At1g33230.1	-0.094	-0.086	0.121	0.101
A004145_01	At4g01525	hypothetical protein; protein id: At4g01525.1	-0.363	-0.377 NA		NA
A004150_01	At1g42540	ligand-gated ion channel, putative; protein id: At1g4	-0.358	-0.373	-0.472	-0.317
A004151_01	At1g33110	unknown protein; protein id: At1g33110.1	-1.462	-1.345 NA		-0.679
A004152_01	At1g53390	ABC transporter family protein; protein id: At1g5339	-0.6	-0.522	-0.851	-0.667
A004157_01	At1g19400	unknown protein; protein id: At1g19400.1	-0.531	-0.53	-0.217	-0.374
A004165_01	At1g01240	expressed protein; protein id: At1g01240.1	-1.895	-2.143	-1.4	-1.979
A004173_01	At1g29800	unknown protein; protein id: At1g29800.1	-1.153	-1.024	-0.64	-0.899
A004175_01	At1g68910	unknown protein; protein id: At1g68910.1	-0.369 NA		NA	NA
A004177_01	At1g63180	uridine diphosphate glucose epimerase, putative; pr	-0.623 NA		NA	-0.811
A004181_01	At1g33800	expressed protein; protein id: At1g33800.1	-1.189 NA		NA	NA
A004219_01	At1g21350	hypothetical protein; protein id: At1g21350.1	0.643	0.387	-0.343	-0.189
A004221_01	At1g49890	expressed protein; protein id: At1g49890.1	-0.014	0.098 NA		0.406
A004223_01	At1g09500	putative cinnamyl alcohol dehydrogenase; protein ic NA		NA	-1.665	-2.635
A004225_01	At1g09440	putative ser/thr protein kinase; protein id: At1g0944	-0.591	-0.85	-0.576	-0.273
A004236_01	At1g71500	expressed protein; protein id: At1g71500.1	-0.076 NA		-0.662	-0.722
A004241_01	At1g74160	unknown protein; protein id: At1g74160.1	0.103	0.141	0.339	0.454
A004242_01	At1g34030	ribosomal protein S18, putative; protein id: At1g340	0.649	0.862	0.532	0.916
A004243_01	At1g26800	expressed protein; protein id: At1g26800.1	-2.121	-2.234	-0.727	-1.688
A004244_01	At1g71240	hypothetical protein; protein id: At1g71240.1	-1.152	-1.342	-1.304	-1.123
A004253_01	At1g11020	expressed protein; protein id: At1g11020.1	-0.303 NA		-0.183	0.319
A004271_01	At1g03590	protein phosphatase 2C (PP2C); protein id: At1g03	0.137	0.014	0.19	0.303
A004272_01	At1g73630	putative calmodulin; protein id: At1g73630.1	-1.553	-1.265	-0.607	-1.534
A004276_01	At1g03660	unknown; protein id: At1g03660.1	-2.802 NA		-1.904	-2.932
A004281_01	At1g03600	photosystem II protein family; protein id: At1g03600	0.098	-0.02	0.289	0.723
A004284_01	At1g63290	putative D-ribulose-5-phosphate-3-epimerase; prote	1.782	1.333	0.94	1.134
A004285_01	At1g63270	ABC transporter family protein; protein id: At1g6327	-1.861	-1.771	-1.538	-1.695
A004288_01	At1g66300	unknown protein; protein id: At1g66300.1	0.077	0.207	0.252	0.364
A004289_01	At1g58300	plastid heme oxygenase, putative; protein id: At1g5	-1.235	-1.097	-0.472	-0.31
A004290_01	At1g15830	hypothetical protein; protein id: At1g15830.1	-0.236	-0.081	0.148	-0.219
A004300_01	At1g13760	hypothetical protein; protein id: At1g13760.1	0.471	0.078	0.26	0.62
A004305_01	At1g13670	unknown protein; protein id: At1g13670.1	-0.812	-0.543	-1.043	-1.961
A004306_01	At1g52990	hypothetical protein; protein id: At1g52990.1	-1.423 NA		NA	NA
A004311_01	At1g67560	putative lipoxygenase; protein id: At1g67560.1	-0.748 NA		-0.477	-0.629
A004313_01	At1g35995	mutator-like transposase; protein id: At1g35995.1	-0.429	-0.517	-0.154	-0.24
A004314_01	At1g35970	hypothetical protein; protein id: At1g35970.1	-3.872 NA		NA	NA
A004319_01	At1g32490	A.t. chromosome 1 BAC F24D7 genomic sequence	0.5	0.52	0.194	0.512
A004320_01	At1g32480	NAD+ dependent isocitrate dehydrogenase subunit	1.628	0.971	0.67	2.205
A004325_01	At1g74640	expressed protein; protein id: At1g74640.1	0.279	0.05	0.052	0.063
A004335_01	At1g68390	hypothetical protein; protein id: At1g68390.1	0.607 NA		0.512	0.494
A004343_01	At1g80360	putative aspartate aminotransferase; protein id: At1	-0.423	0.348	-0.022	0.135
A004347_01	At1g80570	F-box protein family, AtFBL14; protein id: At1g8057	-0.072	-0.04	-0.018	0.001
A004349_01	At1g70500	polygalacturonase, putative; protein id: At1g70500.1	-0.958	-0.638	-0.422	0.093
A004350_01	At1g80600	putative acetylmornithine transaminase; protein id: At	-1.002	-0.894	-0.654	-0.664

A004359_01	At1g49780	hypothetical protein; protein id: At1g49780.1	-0.57	NA	-0.453	-0.702
A004362_01	At1g73970	unknown protein; protein id: At1g73970.1	-0.106	-0.232	NA	-0.402
A004378_01	At1g07980	expressed protein; protein id: At1g07980.1	0.258	-0.042	-0.007	-0.156
A004382_01	At1g08020	hypothetical protein; protein id: At1g08020.1	0.083	0.203	NA	0.067
A004383_01	At1g35160	14-3-3 protein GF14 phi (grf4); protein id: At1g3516	0.266	0.1	0.267	0.591
A004386_01	At1g23740	putative auxin-induced protein; protein id: At1g2374	-0.483	-0.617	-0.503	-0.606
A004392_01	At1g23180	unknown protein; protein id: At1g23180.1	0.304	0.564	NA	0.09
A004393_01	At1g08820	hypothetical protein; protein id: At1g08820.1	-0.289	-0.501	-0.223	-0.143
A004396_01	At1g08780	expressed protein; protein id: At1g08780.1	0.407	0.611	0.29	-0.307
A004397_01	At1g08700	putative presenilin; protein id: At1g08700.1	0.326	0.481	0.21	0.332
A004398_01	At1g69870	putative peptide transporter; protein id: At1g69870.1	-0.634	-0.864	-0.575	-0.684
A004404_01	At1g66670	ATP-dependent Clp protease proteolytic subunit (Cl	-0.826	-1.013	-0.975	-0.782
A004406_01	At1g05500	Ca ²⁺ -dependent lipid-binding protein, putative; prot	0.291	NA	NA	0.244
A004407_01	At1g56075	elongation factor, putative; protein id: At1g56075.1	0.529	0.466	0.179	0.952
A004408_01	At1g49500	expressed protein; protein id: At1g49500.1	-1.33	NA	-1.264	-3.36
A004413_01	At1g19000	myb family transcription factor; protein id: At1g1900	-1.157	-1.059	-0.597	-0.557
A004417_01	At1g01830	expressed protein; protein id: At1g01830.1	-0.668	-0.585	-0.015	-0.482
A004424_01	At1g06380	hypothetical protein; protein id: At1g06380.1	0.576	0.509	0.636	0.594
A004425_01	At1g73390	hypothetical protein; protein id: At1g73390.1	-0.796	-0.889	NA	-0.084
A004426_01	At1g04290	expressed protein; protein id: At1g04290.1	-0.31	-0.186	0.008	-0.426
A004429_01	At1g53190	unknown protein; protein id: At1g53190.1	-0.343	-0.334	-0.586	-0.771
A004431_01	At1g08630	expressed protein; protein id: At1g08630.1	-1.073	-0.889	-0.127	-0.165
A004434_01	At1g31420	leucine-rich repeat transmembrane protein kinase, p	-0.098	0.004	NA	0.256
A004437_01	At1g80440	expressed protein; protein id: At1g80440.1	-3.017	-2.855	-1.494	-1.758
A004439_01	At1g01650	unknown protein; protein id: At1g01650.1	-0.491	-0.622	-0.132	-0.521
A004442_01	At1g52080	expressed protein; protein id: At1g52080.1	-2.232	-1.794	NA	-0.446
A004448_01	At1g70700	hypothetical protein; protein id: At1g70700.1	-0.887	-0.312	-0.615	-0.758
A004449_01	At1g44750	hypothetical protein; protein id: At1g44750.1	-0.401	-0.213	-0.008	0.449
A004451_01	At1g08580	hypothetical protein; protein id: At1g08580.1	0.522	0.498	0.514	0.103
A004452_01	At1g25280	F-box containing tubby family protein; protein id: At1	-0.083	NA	-0.127	0.117
A004454_01	At1g57720	elongation factor 1B-gamma, putative (eEF-1B gam	0.546	0.606	0.604	1.873
A004456_01	At1g05385	expressed protein; protein id: At1g05385.1	0.109	0.508	-0.383	-0.826
A004458_01	At1g52870	expressed protein; protein id: At1g52870.2	-1.882	-1.983	-1.46	-2.788
A004461_01	At1g51115	unknown protein; protein id: At1g51115.1	0.488	0.298	-0.613	-0.159
A004462_01	At1g68300	expressed protein; protein id: At1g68300.1	-0.601	0.234	-0.044	-0.472
A004464_01	At1g17290	alanine aminotransferase, putative; protein id: At1g	-0.608	-0.364	-0.961	-0.348
A004466_01	At1g19690	expressed protein; protein id: At1g19690.1	0.307	NA	0.274	0.507
A004467_01	At1g05430	expressed protein; protein id: At1g05430.1	NA	NA	0.143	-0.113
A004468_01	At1g69030	hypothetical protein; protein id: At1g69030.1	0.585	0.34	0.463	0.254
A004469_01	At1g08230	hypothetical protein; protein id: At1g08230.1	0.394	0.379	0.343	0.563
A004470_01	At1g19720	DYW7 protein; protein id: At1g19720.1	-0.815	-1.083	-0.409	-0.732
A004472_01	At1g12450	hypothetical protein; protein id: At1g12450.1	NA	NA	-0.131	-0.26
A004474_01	At1g13390	unknown protein; protein id: At1g13390.1	NA	NA	-0.656	-1.304
A004481_01	At1g79550	phosphoglycerate kinase, putative; protein id: At1g7	0.397	0.381	0.557	0.84
A004483_01	At1g32080	expressed protein; protein id: At1g32080.1	-0.102	-0.107	-0.395	-0.237
A004484_01	At1g79670	WAK-like kinase (WLK); protein id: At1g79670.1	-0.981	-0.486	NA	-0.33
A004488_01	At1g73930	unknown protein; protein id: At1g73930.1	0.358	0.56	NA	0.58
A004489_01	At1g07640	Dof zinc finger protein; protein id: At1g07640.2	-0.624	-0.596	-0.117	-0.156
A004491_01	At1g36980	expressed protein; protein id: At1g36980.1	-1.302	-0.897	-0.593	-1.045
A004493_01	xxxx	b/t At1g72610.1 germin-like protein and At1g72630.	-0.547	NA	NA	-0.526
A004494_01	At1g19680	unknown protein; protein id: At1g19680.1	-0.366	-0.263	-0.335	-0.302
A004495_01	At1g68520	CONSTANS B-box zinc finger family protein; proteir	-1.849	-1.731	-1.214	-1.847
A004497_01	At1g26650	expressed protein; protein id: At1g26650.1	0.767	0.596	0.337	0.821
A004498_01	At1g80910	myrosinase precursor, putative; protein id: At1g809	-0.259	0.163	-0.078	0.454
A004502_01	At1g30590	unknown protein; protein id: At1g30590.1	-0.179	-0.352	-0.218	0.422
A004505_01	At1g13380	expressed protein; protein id: At1g13380.1	0.347	0.448	0.3	0.448
A004509_01	At1g50600	scarecrow-like protein; protein id: At1g50600.1	-0.968	-1.028	-0.656	-0.646
A004511_01	At1g15740	expressed protein; protein id: At1g15740.1	-1.692	-1.953	-0.784	-0.863
A004514_01	At1g44575	photosystem II 22kDa protein, putative; protein id: A	0.354	0.059	-0.022	0.058
A004515_01	At1g60070	gamma-adaptin, putative; protein id: At1g60070.1	0.312	NA	0.286	0.249
A004519_01	At1g54460	expressed protein; protein id: At1g54460.1	-0.052	-0.602	-0.442	-0.158
A004520_01	At1g03930	putative protein kinase, ADK1; protein id: At1g0393	0.068	-0.163	-0.132	0.266
A004522_01	At1g73350	hypothetical protein; protein id: At1g73350.1	-0.508	NA	NA	-0.203
A004523_01	At1g64850	expressed protein; protein id: At1g64850.1	-0.249	-0.258	-0.004	-0.629
A004524_01	At1g64840	hypothetical protein; protein id: At1g64840.1	-0.275	NA	NA	0.239
A004526_01	At1g64790	hypothetical protein; protein id: At1g64790.1	0.61	0.768	0.656	1.106
A004527_01	At1g64770	expressed protein; protein id: At1g64770.1	-0.697	-0.479	-0.628	-0.806
A004528_01	At1g08570	putative thioredoxin; protein id: At1g08570.1	-1.245	-1.135	-0.281	-0.554

A004534_01	At1g80460	putative glycerol kinase; protein id: At1g80460.1	-0.495	-0.326	-0.071	-0.588
A004537_01	At1g55360	unknown protein; protein id: At1g55360.1	0.46	0.537	0.861	1.403
A004541_01	At1g55840	polyphosphoinositide binding protein, putative; prote	0.289	0.186	-0.053	0.656
A004542_01	At1g55810	uracil phosphoribosyltransferase, putative; protein ic	-1.168 NA		-1.047	-1.044
A004545_01	At1g26670	V-SNARE protein AtVT11b, putative; protein id: At1g	-1.365	-1.443	-0.744	-1.202
A004548_01	At1g78450	expressed protein; protein id: At1g78450.1	-0.291	-0.057	-0.496	-0.819
A004549_01	xxxx	b/t hypothetical protein; protein id: At1g30670.1 and	0.746	0.808	0.457	1.002
A004553_01	At1g13560	aminoalcoholphosphotransferase; protein id: At1g13	0.012	0.134	0.101	0.614
A004557_01	At1g09780	putative 2,3-bisphosphoglycerate-independent phos	0.906	0.901	0.903	1.428
A004558_01	At1g12230	expressed protein; protein id: At1g12230.1	0.224	0.371	0.272	0.479
A004559_01	At1g78010	GTPase, putative; protein id: At1g78010.1	-0.1 NA	NA		0.068
A004560_01	At1g19140	expressed protein; protein id: At1g19140.1	0.554	0.282	0.519	0.717
A004576_01	At1g19120	expressed protein; protein id: At1g19120.1	0.538	0.391	0.407	0.272
A004577_01	At1g05380	hypothetical protein; protein id: At1g05380.1	-0.525	-0.444 NA		0.032
A004578_01	xxxx	b/t hypothetical protein; protein id: At1g62305.1 and	-0.472 NA	NA		-0.458
A004582_01	At1g22300	14-3-3 protein GF14 epsilon (grf10); protein id: At1g	0.568	0.372	0.59	0.534
A004587_01	At1g78670	gamma glutamyl hydrolase, putative; protein id: At1	-2.968	-3.288	-2.245	-3.437
A004588_01	At1g67920	expressed protein; protein id: At1g67920.1	-3.048 NA		-2.31 NA	
A004593_01	At1g64430	unknown protein; protein id: At1g64430.1	0.107	-0.112	-0.286	-0.016
A004594_01	At1g70230	unknown protein; protein id: At1g70230.1	-0.503	0.328	-0.255	0.113
A004596_01	At1g68070	putative RING zinc finger protein; protein id: At1g68	-0.183	-0.037	0.132	0.253
A004597_01	At1g23390	Kelch repeat containing F-box protein family; proteir	-2.094	-2.063	-1.086	-1.691
A004598_01	At1g28200	FH protein interacting protein FIP1; protein id: At1g2	-0.513	-0.727	-0.299	-0.397
A004599_01	At1g14570	expressed protein; protein id: At1g14570.1	-0.28	-0.432	-0.076	0.072
A004602_01	At1g27970	nuclear transport factor 2, putative; protein id: At1g2	0.023	-0.193	0.085	-0.479
A004603_01	At1g79600	expressed protein; protein id: At1g79600.1	-1.395	-1.126	-0.898	-1.293
A004604_01	At1g05100	putative NPK1-related MAP kinase; protein id: At1g	-0.994	-0.936 NA	NA	
A004609_01	At1g10130	calcium-transporting ATPase 3, endoplasmic reticul	-0.182	0.219 NA		0.232
A004610_01	At1g12270	hypothetical protein; protein id: At1g12270.1	0.49	0.328	0.127	0.423
A004612_01	At1g67860	expressed protein; protein id: At1g67860.1	-4.086	-4.043	-2.528	-3.429
A004615_01	At1g61690	hypothetical protein; protein id: At1g61690.1	-0.205	-0.401 NA		-0.189
A004616_01	At1g01990	expressed protein; protein id: At1g01990.1	-0.489	-0.174	-0.415	-1.033
A004617_01	At1g79730	unknown protein; protein id: At1g79730.1	0.01	0.193	0.204	-0.137
A004618_01	At1g11260	glucose transporter; protein id: At1g11260.1	-2.513	-2.129	-1.115	-1.931
A004619_01	At1g57680	hypothetical protein; protein id: At1g57680.1	-0.467 NA		-0.422	-0.367
A004620_01	At1g76850	unknown protein; protein id: At1g76850.1	0.279	0.138 NA	NA	
A004622_01	At1g44970	peroxidase, putative; protein id: At1g44970.1	1.895	1.287	1.486	2.436
A004623_01	At1g48790	expressed protein; protein id: At1g48790.1	-0.302	-0.501	-0.482	-0.306
A004629_01	At1g24370	hypothetical protein; protein id: At1g24370.1	0.443	0.166	0.417	0.689
A004630_01	At1g32990	ribosomal protein L11, putative; protein id: At1g3299	0.72	0.566	0.089	0.438
A004634_01	At1g01720	NAC domain protein, putative; protein id: At1g01720	-2.537	-2.163	-1.207	-0.925
A004635_01	At1g06840	leucine-rich repeat transmembrane protein kinase, ζ	-0.312 NA	NA	NA	
A004636_01	At1g28540	expressed protein; protein id: At1g28540.1	-0.454	-0.232	-0.236	-1.012
A004637_01	At1g34430	dihydrolipoamide S-acetyltransferase, putative; prot	0.787	1.166	0.546	0.932
A004644_01	At1g11430	DAG protein, putative; protein id: At1g11430.1	0.27	0.331	0.052	-0.244
A004645_01	At1g15750	expressed protein; protein id: At1g15750.1	-0.27	-0.545	-0.088	-0.246
A004646_01	At1g19730	thioredoxin; protein id: At1g19730.1	0.519	0.565	0.308	-0.02
A004649_01	At1g08370	expressed protein; protein id: At1g08370.1	-0.463	-0.115	0.128	0.261
A004650_01	At1g71820	expressed protein; protein id: At1g71820.1	0.507	0.358	-0.033	0.145
A004652_01	At1g67830	F12A21.4; protein id: At1g67830.1	0.874	1.132	0.956	1.152
A004653_01	At1g09960	putative sucrose/H ⁺ symporter; protein id: At1g0996	0.137 NA		0.281	0.501
A004656_01	At1g53840	pectinesterase family; protein id: At1g53840.1	-0.052	0.048	-0.354	-0.643
A004657_01	At1g63640	kinesin-related protein; protein id: At1g63640.1	0.614	0.485	0.489	1.064
A004659_01	At1g14690	hypothetical protein; protein id: At1g14690.1	-0.483	-0.609	-0.479	-0.563
A004664_01	At1g28100	unknown protein; protein id: At1g28100.1	-0.555	-0.482	-0.584	-0.976
A004669_01	At1g52230	photosystem I subunit VI precursor; protein id: At1g	0.101	-0.006	-0.162	-0.478
A004670_01	At1g27430	unknown protein; protein id: At1g27430.1	-0.48	-0.477 NA		-0.528
A004671_01	At1g50120	hypothetical protein; protein id: At1g50120.1	0.221	0.249	0.202	0.449
A004678_01	At1g09330	expressed protein; protein id: At1g09330.1	0.049	0.171	0.226	0.217
A004680_01	At1g68590	expressed protein; protein id: At1g68590.1	0.656	0.51	0.269	-0.211
A004682_01	At1g09970	leucine-rich repeat transmembrane protein kinase, ζ	-0.836	-1.046	-0.67	-0.934
A004683_01	At1g14610	valyl-tRNA synthetase, putative; protein id: At1g146	0.532	0.379	0.375	0.521
A004684_01	At1g08830	copper/zinc superoxidase dismutase (CSD1); protei	1.347	1.005	1.248	1.46
A004688_01	At1g78620	expressed protein; protein id: At1g78620.1	-0.132	-0.187	-0.222	-0.398
A004689_01	At1g55260	expressed protein; protein id: At1g55260.1	0.935	0.854	0.679	0.476
A004695_01	At1g43690	unknown protein; protein id: At1g43690.1	0.12	0.145	0.145	0.37
A004696_01	At1g26150	Pto kinase interactor, putative; protein id: At1g2615	0.421	0.124	0.331	0.678
A004701_01	At1g48150	MADS-box protein; protein id: At1g48150.1	-0.758	0.513 NA		-0.07

A004704_01	At1g28330	dormancy-associated protein, putative; protein id: A	-1.964	-1.449	-1.307	-2.546
A004705_01	At1g04440	putative casein kinase I; protein id: At1g04440.1	-0.936	-0.817	-0.755	-1.228
A004714_01	At1g79390	expressed protein; protein id: At1g79390.1	0.72	0.731	0.84	0.528
A004716_01	At1g06470	integral membrane protein, putative; protein id: At1g06470.1	NA	NA	-0.306	-0.352
A004717_01	At1g62600	similar to flavin-containing monooxygenase 3 (sp|P08611|F08611.1)	-0.599	-0.514	-0.162	-0.617
A004722_01	At1g62180	5'-adenylylphosphosulfate reductase, putative; protein id: At1g62180.1	-0.712	-0.544	-0.454	-0.184
A004725_01	At1g57870	protein kinase, putative; protein id: At1g57870.1	-0.254	-0.01	NA	-0.104
A004727_01	At1g45688	expressed protein; protein id: At1g45688.1	0.352	0.404	0.383	0.229
A004728_01	At1g44100	amino acid permease, putative; protein id: At1g44100.1	-1.128	-1.153	-0.613	-0.426
A004735_01	At1g68580	unknown protein; protein id: At1g68580.1	-1.074	-1.006	-1.377	-1.263
A004736_01	At1g79970	expressed protein; protein id: At1g79970.1	-0.345	0.313	-0.285	-0.546
A004738_01	At1g23190	putative phosphoglucomutase; protein id: At1g23190.1	0.284	0.223	0.346	0.921
A004739_01	At1g14460	hypothetical protein; protein id: At1g14460.1	0.464	NA	NA	0.924
A004740_01	At1g32150	G-Box binding protein, putative; protein id: At1g32150.1	-0.185	NA	NA	NA
A004743_01	At1g75200	unknown protein; protein id: At1g75200.1	0.601	0.812	0.449	0.719
A004744_01	At1g56330	GTP-binding protein (SAR1B); protein id: At1g56330.1	0.829	0.638	0.824	0.815
A004747_01	At1g14270	expressed protein; protein id: At1g14270.1	0.03	0.072	0.234	-0.015
A004748_01	At1g44770	unknown protein; protein id: At1g44770.1	-1.006	-1.258	-0.554	-0.353
A004752_01	At1g10570	putative protein-tyrosine phosphatase 2; protein id: At1g10570.1	-0.076	-0.363	-0.04	0.627
A004754_01	At1g16710	unknown protein; protein id: At1g16710.1	-0.541	-0.705	NA	-0.078
A004757_01	At1g71780	expressed protein; protein id: At1g71780.1	0.023	NA	0.386	0.241
A004759_01	At1g16740	ribosomal protein L20, putative; protein id: At1g16740.1	0.582	0.676	0.534	0.308
A004762_01	At1g18210	calcium-binding protein, putative; protein id: At1g18210.1	-0.237	0.001	0.349	0.022
A004766_01	At1g64355	unknown protein; protein id: At1g64355.1	0.009	0.062	0.099	0.009
A004768_01	At1g10510	expressed protein; protein id: At1g10510.1	0.37	0.242	-0.008	0.1
A004769_01	At1g66200	glutamine synthetase, putative; protein id: At1g66200.1	-1.192	-1.137	-0.624	-0.342
A004772_01	At1g13060	20S proteasome beta subunit E1 (PBE1); protein id: At1g13060.1	0.155	0.164	0.443	0.506
A004774_01	At1g04970	expressed protein; protein id: At1g04970.1	-1.076	-1.538	-1.164	-1.026
A004777_01	At1g51700	Dof zinc finger protein; protein id: At1g51700.1	-0.583	-0.419	-0.268	-0.594
A004789_01	At1g48170	expressed protein; protein id: At1g48170.1	0.189	0.47	0.313	0.273
A004792_01	At1g19800	hypothetical protein; protein id: At1g19800.1	0.22	0.187	0.209	0.669
A004795_01	At1g42430	unknown protein; protein id: At1g42430.1	0.338	0.471	NA	0.246
A004799_01	At1g15140	expressed protein; protein id: At1g15140.1	0.389	0.474	0.062	-0.044
A004801_01	At1g47490	RNA binding protein 47 (RBP47), putative; protein id: At1g47490.1	0.022	0.114	0.114	0.572
A004804_01	At1g66530	arginyl-tRNA synthetase; protein id: At1g66530.1	0.339	0.532	0.459	1.091
A004805_01	At1g72370	putative 40S ribosomal protein SA (laminin receptor); protein id: At1g72370.1	0.588	0.701	0.366	0.631
A004810_01	At1g67730	expressed protein; protein id: At1g67730.1	0.266	0.087	0.521	0.689
A004815_01	At1g49740	expressed protein; protein id: At1g49740.1	-0.914	-1.049	-0.742	-0.573
A004820_01	At1g18080	G-protein beta family; protein id: At1g18080.1	0.7	0.633	0.714	1.321
A004825_01	At1g74960	3-ketoacyl-ACP synthase, putative; protein id: At1g74960.1	0.532	0.261	-0.127	0.242
A004828_01	At1g59580	expressed protein; protein id: At1g59580.1	-0.24	NA	-0.332	-0.086
A004830_01	At1g71980	unknown protein; protein id: At1g71980.1	-0.648	NA	NA	-0.749
A004837_01	At1g79050	replicase, putative; protein id: At1g79050.1	0.256	0.115	-0.12	-0.101
A004839_01	At1g32210	defender against cell death protein, putative; protein id: At1g32210.1	0.762	0.729	0.565	0.497
A004842_01	At1g14400	E2, ubiquitin-conjugating enzyme 1 (UBC1); protein id: At1g14400.1	-0.322	-0.562	-0.014	0.118
A004843_01	At1g05805	bHLH protein; protein id: At1g05805.1	-1.009	-0.994	-1.502	-1.717
A004846_01	At1g07570	protein kinase APK1A; protein id: At1g07570.1	0.465	NA	0.814	1.238
A004848_01	At1g23090	putative sulphate transporter protein; protein id: At1g23090.1	NA	NA	-0.815	-1.073
A004853_01	At1g18800	expressed protein; protein id: At1g18800.1	0.679	0.584	0.6	0.966
A004859_01	At1g66760	MATE efflux family protein, putative; protein id: At1g66760.1	NA	NA	-1.109	-1.781
A004860_01	At1g01140	serine threonine kinase, putative; protein id: At1g01140.1	-1.278	-1.091	-0.602	-0.286
A004862_01	At1g16470	20S proteasome alpha subunit B (PAB1); protein id: At1g16470.1	-0.224	0.107	0.279	0.281
A004863_01	At1g47250	20S proteasome alpha subunit F2 (PAF2); protein id: At1g47250.1	0.452	0.614	0.522	0.638
A004866_01	At1g71860	protein tyrosine phosphatase; protein id: At1g71860.1	0.025	-0.434	0.006	0.465
A004867_01	At1g45150	hypothetical protein; protein id: At1g45150.1	-0.909	-0.499	-1.024	-1.294
A004882_01	At1g17540	receptor-like serine threonine kinase, putative; protein id: At1g17540.1	-0.644	-0.599	NA	NA
A004883_01	At1g11680	putative obtusifoliol 14-alpha demethylase; protein id: At1g11680.1	0.256	0.374	0.419	1.056
A004885_01	At1g30130	expressed protein; protein id: At1g30130.1	-0.009	-0.131	0.107	0.166
A004887_01	At1g02410	hypothetical protein; protein id: At1g02410.1	-0.091	0.102	0.145	0.552
A004889_01	At1g58080	ATP phosphoribosyl transferase; protein id: At1g58080.1	0.097	0.541	0.326	0.377
A004891_01	At1g04860	ubiquitin-specific protease 2 (UBP2); protein id: At1g04860.1	-0.278	-0.266	-0.422	-0.565
A004894_01	At1g53160	transcription factor, putative; protein id: At1g53160.1	-0.099	-0.109	0.108	-0.117
A004896_01	At1g09570	putative phytochrome A; protein id: At1g09570.1	-1.004	-0.927	-0.748	-1.113
A004901_01	At1g61660	expressed protein; protein id: At1g61660.1	NA	NA	NA	-1.42
A004903_01	At1g17640	RRM-containing RNA-binding protein, putative; protein id: At1g17640.1	-0.607	-0.094	-0.14	-0.584
A004908_01	At1g29350	unknown protein; protein id: At1g29350.1	0.089	NA	-0.152	-0.293
A004910_01	At1g75330	ornithine carbamoyltransferase precursor; protein id: At1g75330.1	0.741	0.584	0.621	0.669
A004915_01	At1g60140	trehalose-6-phosphate synthase, putative; protein id: At1g60140.1	-1.677	-1.87	-1.374	-1.811

A004916_01	At1g17440	expressed protein; protein id: At1g17440.1	-0.428	NA	NA		-0.874
A004918_01	At1g66820	expressed protein; protein id: At1g66820.1	0.163		0.48	0.204	-0.772
A004921_01	At1g08920	putative sugar transport protein, ERD6; protein id: A NA		NA		-0.994	-1.577
A004922_01	At1g22660	putative tRNA adenylyltransferase; protein id: At1g2	0.408		0.524	0.418	0.75
A004927_01	At3g49390	RNA-binding protein, putative; protein id: At3g49390	0.754		0.853	0.775	1.19
A004931_01	At1g21000	expressed protein; protein id: At1g21000.1	-3.001		-3.135	-1.387	-2.084
A004932_01	At1g02560	ATP-dependent Clp protease proteolytic subunit (Cl	-0.432		-0.754	-0.585	0.348
A004934_01	At1g49670	ARP protein, putative; protein id: At1g49670.1	-0.839		-0.926	-0.533	-0.425
A004941_01	At3g51830	putative transmembrane protein G5p; protein id: At3	-1.061		-0.621	-0.36	-0.709
A004944_01	At1g09415	expressed protein; protein id: At1g09415.1	-0.673		-0.394	-0.848	-0.51
A004948_01	At5g28500	unknown protein	0.544		0.5	0.127	0.277
A004962_01	At1g60710	auxin-induced protein, putative; protein id: At1g6071	-0.247		-0.177	-0.312	0.102
A004978_01	At5g04340	putative c2h2 zinc finger transcription factor; protein NA		NA		NA	NA
A004994_01	At1g08510	acyl-(acyl carrier protein) thioesterase, putative; pro	-1.306		-0.94	-0.52	-0.229
A005002_01	At5g26707	glutamyl-tRNA synthetase; protein id: At5g26707.1	1.001		0.726	0.484	1.033
A005005_01	At5g20290	putative protein; protein id: At5g20290.1	1.133		0.677	0.779	1.246
A005009_01	xxxx	b/t unknown protein; protein id: At1g49030.1 and un NA			-1.177	-1.112	-1.551
A005012_01	At4g15920	cytochrome c oxidoreductase like protein; protein id	1.492		1.357	0.461	0.644
A005018_01	At5g20910	ABI3-interacting protein 2; protein id: At5g20910.1	-0.839		-0.275	-0.416	-0.028
A005022_01	At5g25940	nodulin - like protein; protein id: At5g25940.1	-0.144		-0.053	0.25	-0.555
A005023_01	At5g26742	similar to RNA helicase, 3' partial; protein id: At5g26	0.224		0.145	-0.609	-0.724
A005029_01	At2g46505	expressed protein; protein id: At2g46505.1	0.615		0.55	0.798	1.26
A005042_01	At4g15760	monooxygenase 1 (MO1), putative; protein id: At4g NA		NA		-2.347	-3.927
A005048_01	At1g04970	expressed protein; protein id: At1g04970.1	-1.395		-1.017	-1.174	-0.654
A005065_01	At1g65720	expressed protein; protein id: At1g65720.1	-0.485		-0.608	-0.241	-0.18
A005067_01	At1g75660	Dhp1-like protein; protein id: At1g75660.1	-0.256		-0.388	NA	-0.232
A005068_01	At5g33320	phosphate/phosphoenolpyruvate translocator precu	0.617		0.621	0.414	0.605
A005069_01	At4g39660	alanine:glyoxylate aminotransferase 2 homolog protei	0.409		0.492	0.663	1.421
A005075_01	At1g23940	gamma-adaptin, putative; protein id: At1g23940.1	1.271		1.001	1.123	1.72
A005084_01	At1g02130	GTP-binding protein, ara-5; protein id: At1g02130.1	-0.437		-0.377	-0.14	-0.326
A005086_01	At1g22930	unknown protein; protein id: At1g22930.1	-1.895		-1.975	-1.475	-2.008
A005093_01	At1g02140	Mago Nashi-like protein; protein id: At1g02140.1	-0.26		0.252	0.454	0.511
A005095_01	At1g75510	transcription initiation factor, putative; protein id: At1	-0.192	NA		0.219	0.079
A005097_01	At3g51840	acyl-coA dehydrogenase; protein id: At3g51840.1	-1.262		-1.451	-1.205	-0.702
A005122_01	At5g20350	ankyrin-repeat protein; protein id: At5g20350.1	-0.297		-0.353	-0.552	-0.334
A005126_01	At5g20990	molybdopterin biosynthesis CNX1 protein; protein ic	0.143	NA		-0.768	-0.672
A005129_01	At5g24800	bZIP protein, G/HBF-1-related; protein id: At5g2480	-0.622		-0.95	-0.575	-1.174
A005132_01	At5g19900	putative protein; protein id: At5g19900.1	-0.122		-0.303	-0.126	0.17
A005145_01	At1g77490	thylakoid-bound ascorbate peroxidase, putative (tAF	0.68		0.704	-0.084	-0.382
A005146_01	At4g08390	stromal ascorbate peroxidase, putative (sAPX); prot	0.896		0.829	0.301	0.544
A005155_01	At1g28660	expressed protein; protein id: At1g28660.1	-3.353		-3.391	NA	-1.293
A005160_01	At4g21960	peroxidase, putative; protein id: At4g21960.1	-0.044		0.116	0.277	1.074
A005162_01	At5g10450	14-3-3 protein GF14 lambda (grf6/AFT1); protein id:	-0.953		-1.199	-0.471	-0.171
A005163_01	At5g01530	light-harvesting chlorophyll a/b binding protein; prote	-0.659		-0.557	-0.493	-0.255
A005164_01	At3g44310	nitrilase 1; protein id: At3g44310.1	-1.335		-1.968	-1.192	-0.582
A005167_01	At3g54860	vacuolar protein sorting protein 33a-like protein; pro	0.222		0.313	-0.237	0.128
A005171_01	At1g67090	ribulose-bisphosphate carboxylase small unit, putati	0.885		-0.03	0.305	0.216
A005173_01	At5g26605	putative protein; protein id: At5g26605.1	0.133		-0.327	0.154	0.057
A005175_01	At4g36990	heat shock transcription factor HSF4; protein id: At4	-0.849		-0.752	-0.362	-0.557
A005176_01	At4g28520	12S cruciferin seed storage protein; protein id: At4g	-3.868		-3.921	-2.611	-4.434
A005178_01	At3g53750	actin (ACT3); protein id: At3g53750.1	0.906		0.635	0.45	0.824
A005179_01	At2g17480	similar to Mlo proteins from H. vulgare; protein id: A	0.182	NA		-0.196	0.415
A005180_01	At2g37620	actin 3; protein id: At2g37620.1	0.387		0.365	0.154	0.529
A005182_01	At2g28305	expressed protein; protein id: At2g28305.1	-1.649		-1.863	-0.598	-1.25
A005187_01	At2g40940	ethylene response sensor (ERS); protein id: At2g40	-0.245		-0.257	-0.479	-0.122
A005188_01	At3g51820	chlorophyll synthetase; protein id: At3g51820.1	0.287		0.469	0.293	0.853
A005190_01	At1g74310	heat shock protein 101 (HSP101); protein id: At1g7	0.369	NA		0.899	1.295
A005195_01	At3g55440	cytosolic triosephosphatisomerase; protein id: At3g	1.044		0.3	0.573	1.05
A005196_01	At1g66340	ethylene-response protein, ETR1; protein id: At1g66	-0.103	NA	NA	NA	NA
A005197_01	At1g27350	unknown protein; protein id: At1g27350.1	0.433		0.676	0.572	0.553
A005199_01	At5g41360	TFIIH basal transcription factor complex helicase XI	-0.14		-0.171	NA	0.072
A005203_01	At5g49910	heat shock protein 70 (gbjAAF27639.1); protein id: ,	0.36		0.367	0.363	1.018
A005204_01	At4g32210	putative protein; protein id: At4g32210.1	0.786		0.737	0.708	0.896
A005208_01	At1g60590	polygalacturonase, putative; protein id: At1g60590.1	0.152		0.088	0.312	0.617
A005209_01	At1g70940	PIN3; auxin transport protein REH1, putative; protei NA		NA		0.08	0.21
A005211_01	At4g10050	lipase-like protein; protein id: At4g10050.1	0.076		0.154	0.466	1.143
A005214_01	At1g04310	putative ethylene receptor (ERS2); protein id: At1g0	0.032		-0.109	NA	0.324
A005220_01	At3g20770	ethylene-insensitive 3 (EIN3); protein id: At3g20770	-1.118		-0.887	-0.665	0.26

A005223_01	At5g26800	putative protein; protein id: At5g26800.1	1.313	1.25	1.043	1.237
A005224_01	xxxx	b/t ferrochelatase-I; protein id: At5g26030.1 and put	0.043 NA	NA	NA	0.265
A005227_01	At5g25270	putative protein; protein id: At5g25270.1	-0.738	-0.233 NA	NA	-1.238
A005234_01	xxxx	b/t kinase like protein; protein id: At4g14780.1 and f	-0.457 NA	NA	NA	0.643
A005236_01	At1g65580	unknown protein; protein id: At1g65580.1	-0.354	-0.353	-0.446	-0.492
A005239_01	At5g20930	protein kinase tousled; protein id: At5g20930.1	0.326 NA	NA	NA	NA
A005246_01	At1g02660	expressed protein; protein id: At1g02660.1	-1.914	-1.53	-1.076	-0.93
A005247_01	At2g21385	expressed protein; protein id: At2g21385.1	0.606	0.365	0.144	0.247
A005249_01	At1g20880	RRM-containing protein; protein id: At1g20880.1	-1.392 NA	NA	NA	-0.84
A005251_01	xxxx	b/t hypothetical protein; protein id: At4g02400.1 and	0.116 NA	NA	NA	0.051
A005260_01	At3g55460	arginine/serine-rich protein SCL30; protein id: At3g5	-0.177	-0.261	-0.003	0.03
A005262_01	At1g14830	dynamain, putative; protein id: At1g14830.1	0.423 NA	NA	0.159	0.99
A005267_01	At3g13870	root hair defective 3 (RHD3); protein id: At3g13870.	-0.015	-0.438	-1.035	-0.527
A005278_01	At1g09010	expressed protein; protein id: At1g09010.1	-0.037	-0.05	-0.307	-0.445
A005279_01	xxxx	Identity not clear	0.654	0.833	0.581	0.617
A005302_01	At1g02270	expressed protein; protein id: At1g02270.1	-0.173 NA	NA	-0.702	-0.63
A005305_01	At5g20010	RAN1 small Ras-like GTP-binding nuclear proteinR;	-0.072	-0.09	-0.059	0.268
A005310_01	xxxx	b/t unknown protein; protein id: At1g09430.1 and pu NA	NA	NA	NA	NA
A005332_01	At5g59710	putative protein; protein id: At5g59710.1	-0.413	-0.321	-0.316	0.008
A005335_01	At1g32920	expressed protein; protein id: At1g32920.1	-0.629	-0.511	-0.317	-0.951
A005338_01	At5g19530	spermine synthase (ACL5); protein id: At5g19530.1	0.11	0.408	0.1	0.14
A005346_01	At1g10290	putative phragmoplastin; protein id: At1g10290.1	0.294	0.402 NA	NA	0.323
A005354_01	At3g41979	5SrRNA; protein id: At3g41979	NA	1.158	0.599	0.594
A005356_01	At4g16840	expressed protein; protein id: At4g16840.1	-1.079	-0.658	-0.972	-0.977
A005357_01	At1g60490	phosphatidylinositol 3-kinase, putative; protein id: A	-0.365	-0.838	-0.622	-0.518
A005366_01	At5g20250	glycosyl hydrolase family 36; protein id: At5g20250.	-2.234	-2.313	-1.516	-2.771
A005367_01	At4g34265	expressed protein; protein id: At4g34265.1	0.15	0.382	0.376	-0.138
A005368_01	At5g26240	CLC-d chloride channel protein; protein id: At5g262.	-0.089	-0.389	-0.139	0.323
A005371_01	At3g15880	putative WD-repeat protein; protein id: At3g15880.1	-0.527	-0.447	0.047	0.38
A005376_01	At1g51600	flowering protein CONSTANS, putative; protein id: /	0.111	0.285 NA	NA	0.745
A005377_01	At1g68945	expressed protein; protein id: At1g68945.1	-2.25	-0.94	-0.772	-1.044
A005384_01	At4g08685	expressed protein; protein id: At4g08685.1	1.276	1.552	1.211	1.314
A005386_01	At1g09795	expressed protein; protein id: At1g09795.1	0.655	0.788	0.266	0.458
A005389_01	At5g27450	mevalonate kinase; protein id: At5g27450.1	0.791	0.899	0.484	0.839
A005390_01	At5g37020	auxin response transcription factor (ARF8); protein i	0.836	0.65	1.023	1.888
A005391_01	xxxx	b/t small nuclear ribonucleoprotein, putative; protein	0.438	0.533	0.723	0.521
A005394_01	At5g62700	tubulin beta-2/beta-3 chain (sp)P29512); protein id:	0.757	0.581	0.661	1.034
A005395_01	At3g55000	expressed protein; protein id: At3g55000.1	0.441	0.35	0.452	0.289
A005401_01	At5g20020	GTP-binding nuclear protein (RAN-2), putative; prot	0.498	0.451	0.363	0.145
A005403_01	At5g20830	sucrose-UDP glucosyltransferase	-0.329	-0.368	-0.153	0.103
A005407_01	At1g02475	unknown protein; protein id: At1g02475.1	-0.625	-1.276	-0.27	-1.07
A005410_01	At5g26696	nectarin - like protein; protein id: At5g26696.1	-0.735	-0.492	-0.792	-1.634
A005411_01	At1g11480	expressed protein; protein id: At1g11480.1	-0.719	-0.393	-0.513 NA	NA
A005413_01	At1g60560	hypothetical protein; protein id: At1g60560.1	-0.193	-0.057	-0.321	0.226
A005414_01	At1g60670	expressed protein; protein id: At1g60670.1	-0.262	-0.426	-0.137	0.147
A005416_01	At5g27030	putative protein; protein id: At5g27030.1	0.015	-0.148	0.173	0.288
A005417_01	not annotated	Chr1 C/20403687-20403756	-1.055	-0.928	-0.547	-0.721
A005426_01	At5g38980	putative protein; protein id: At5g38980.1	-1.296	-1.398	-0.302	-0.512
A005431_01	At2g14835	expressed protein; protein id: At2g14835.1	0.482	0.244	0.299	0.411
A005434_01	At5g18670	glycosyl hydrolase family 14 (beta-amylase); proteir	-0.669	-0.903	-0.025	0.366
A005439_01	At3g51870	putative carrier protein; protein id: At3g51870.1	-0.44	-0.578	-0.387	-0.432
A005477_01	xxxx	b/t hypothetical protein; protein id: At1g03100.1 and NA	NA	NA	-1.124	-1.435
A005500_01	At1g43190	heterogeneous nuclear ribonucleoprotein (hnRNP),	0.372	0.248	0.17	0.383
A005506_01	At5g20920	translation initiation factor eIF-2 beta chain - like prc	0.179	0.119	0.274	0.54
A005518_01	At1g22860	unknown protein; protein id: At1g22860.1	-0.235 NA	NA	NA	NA
A005521_01	At1g02150	hypothetical protein; protein id: At1g02150.1	0.481	0.421	-0.035	0.058
A005522_01	At2g20950	unknown protein; protein id: At2g20950.1	-0.043	0.357	-0.021	0.101
A005526_01	At1g02090	COP9 complex subunit, FUS5; protein id: At1g0209	0.44	0.514 NA	NA	0.368
A005532_01	At4g00335	expressed protein; protein id: At4g00335.1	-0.493	-0.483	0.099	0.283
A005542_01	At1g08120	unknown protein; protein id: At1g08120.1	0.089	0.136	0.453	0.637
A005552_01	At3g53830	putative protein; protein id: At3g53830.1	-0.608 NA	NA	0.774	1.413
A005553_01	At1g55670	photosystem I subunit V precursor, putative; protein	0.029	0.036	-0.019	-0.492
A005557_01	At3g51890	putative protein; protein id: At3g51890.1	-1.586	-1.792 NA	NA	-1.764
A005558_01	not annotatetd	Chr4 C/7951826-7951895	0.535	0.686	0.309	0.252
A005562_01	At1g23870	trehalose 6-phosphate synthase, putative; protein ic	-1.564	-1.538	-1.199	-1.775
A005564_01	At1g02080	unknown protein; protein id: At1g02080.1	-0.344	-0.562	-0.105	-0.152
A005571_01	At1g75690	unknown protein; protein id: At1g75690.1	0.639	0.591	0.123	-0.362
A005576_01	At1g75710	unknown protein; protein id: At1g75710.1	1.473	1.278	1.242	1.549

A005577_01	At4g38240	glycosyltransferase like protein; protein id: At4g382.	-0.609	-0.205	-0.353	-0.003
A005583_01	At1g65820	microsomal glutathione s-transferase, putative; prot	-0.494	-0.705	-0.185	-0.382
A005588_01	At5g26300	putative protein; protein id: At5g26300.1	-0.82	-0.489 NA		0.146
A005589_01	At5g09670	putative protein; protein id: At5g09670.1	-0.651	-0.665	-0.222	0.234
A005590_01	At4g16155	expressed protein; protein id: At4g16155.1	1.031	1.153	0.616	1.412
A005591_01	At1g08380	expressed protein; protein id: At1g08380.1	-0.134	-0.214	-0.08	-0.598
A005592_01	At5g25610	dehydration-induced protein RD22; protein id: At5g2	-1.28	-1.152	-0.095	-0.098
A005594_01	At1g54490	exonuclease, putative; protein id: At1g54490.1	-0.198	-0.19	0.001	0.318
A005600_01	At4g23270	serine/threonine kinase; protein id: At4g23270.1	-0.672	-0.397 NA		0.176
A005601_01	At3g54100	putative protein; protein id: At3g54100.1	-0.631	-0.413 NA		0.268
A005609_01	At1g80030	DnaJ protein, putative; protein id: At1g80030.1	0.435	0.729	-0.112	-0.103
A005613_01	At1g22850	expressed protein; protein id: At1g22850.1	-0.195	-0.123	-0.24	-0.61
A005615_01	At1g32540	zinc-finger protein, putative; protein id: At1g32540.1	0.603	0.817	0.446	0.632
A005616_01	At5g61060	histone deacetylase - like; protein id: At5g61060.1	-0.312	-0.186	-0.192	0.357
A005620_01	At5g28020	cysteine synthase; protein id: At5g28020.1	-1.309	-1.683	-1.029	-1.349
A005629_01	At5g21170	AKIN beta1; protein id: At5g21170.1	-1.134	-1.037	-0.612	-1.151
A005636_01	At5g24165	expressed protein; protein id: At5g24165.1	-0.648	-0.341	-0.329	-0.408
A005646_01	At1g35516	myb family transcription factor; protein id: At1g3551	-0.393	-0.38	0.019	0.152
A005648_01	At2g04160	subtilisin-like serine protease AIR3; protein id: At2g	-2.164	-2.116	-1.753	-1.622
A005655_01	At2g42780	expressed protein; protein id: At2g42780.1	-0.367	-0.751	-0.699	-0.759
A005659_01	At1g02260	hypothetical protein; protein id: At1g02260.1	-0.141 NA	NA		-0.026
A005661_01	At1g24020	Bet v I allergen family; protein id: At1g24020.1	1.526	1.333	1.118	1.785
A005677_01	At3g41768	18SrRNA	-0.208	-0.065	-0.005	0.348
A005680_01	At1g20430	expressed protein; protein id: At1g20430.1	1.161	1.077	0.975	1.05
A005687_01	At5g58570	expressed protein; protein id: At5g58570.1	-2.445	-2.207	-1.849 NA	
A005688_01	At1g17580	myosin, putative; protein id: At1g17580.1	-0.576	-0.411	-0.235	0.272
A005690_01	At5g21040	F-box protein family; protein id: At5g21040.1	-0.352	0.061 NA		-0.169
A005692_01	At5g48655	expressed protein; protein id: At5g48655.2	NA	NA	NA	-0.572
A005695_01	At1g65800	receptor kinase, putative; protein id: At1g65800.1	-2.44 NA	NA	NA	NA
A005699_01	At5g19220	Glucose-1-phosphate adenyllyltransferase (ApL1/ad	0.48	0.333	-0.187	0.116
A005701_01	At3g51880	high mobility group protein 2-like; protein id: At3g51	-0.133	-0.332	-0.388	-0.432
A005702_01	At3g10690	putative DNA gyrase subunit A; protein id: At3g1069	0.646	0.699	0.595	1.012
A005703_01	At5g26880	putative protein; protein id: At5g26880.1	0.148	0.326	0.013	-0.194
A005706_01	At3g51850	calcium-dependent protein kinase; protein id: At3g5	0.05	-0.172	-0.337	-0.045
A005707_01	not annotated	EST glutathione transferase (X68304 by NCBI blast	0.083	0.128	-0.211	0.478
A005708_01	At5g20500	glutaredoxin; protein id: At5g20500.1	0.264	0.147	0.082	0.35
A005709_01	At4g17500	ethylene responsive element binding factor 1 (frame	0.174	0.043	-0.064	0.28
A005710_01	At5g20730	auxin response transcription factor (ARF7); protein i	-0.25	0.075	0.221	0.61
A005712_01	At4g38620	putative transcription factor (MYB4); protein id: At4g	-0.124	-0.342	0.248	0.465
A005713_01	At5g19520	putative protein; protein id: At5g19520.1	0.552	0.548	0.549	0.741
A005714_01	At5g25460	unknown protein	1.277	0.872	0.987	1.648
A005715_01	At1g27435	expressed protein; protein id: At1g27435.1	0.868	1.198	0.59	0.791
A005718_01	not annotated	Chr1 W/2854968-2855025	-0.214	-0.288	-0.69	-0.321
A005719_01	At5g62470	MYB96 transcription factor-like protein; protein id: A	-0.063	-0.004	-0.065	0.527
A005720_01	At2g44160	putative methylenetetrahydrofolate reductase; prote	-0.095	-0.188	0.077	0.708
A005721_01	At1g60790	hypothetical protein; protein id: At1g60790.1	0.429	0.354	0.22	0.759
A005722_01	At1g60770	hypothetical protein; protein id: At1g60770.1	0.929	0.909	0.733	1.111
A005723_01	At1g60660	cytochrome b5, putative; protein id: At1g60660.1	0.832	1.01	1.089	1.34
A005725_01	At1g05180	RUB-activating enzyme AXR1; protein id: At1g0518	0.329	0.21	0.101	0.533
A005726_01	At3g62030	peptidylprolyl isomerase ROC4; protein id: At3g620	1.233	0.858	0.622	1.198
A005727_01	At3g47340	glutamine-dependent asparagine synthetase; protei	-2.236	-2.155	-1.413	-1.133
A005729_01	At2g25625	auxin-regulated protein; protein id: At2g25625.1	-4.511	-4.651	-2.084	-2.409
A005730_01	At2g22670	auxin-regulated protein (IAA8); protein id: At2g2267	1.043	0.708	0.76	1.647
A005731_01	At1g28610	lipase, putative; protein id: At1g28610.1	-0.042	-0.111	-0.024	0.564
A005732_01	At1g72740	putative DNA-binding protein; protein id: At1g72740	-0.135	0.07	-0.163	0.431
A005733_01	At2g46830	myb-related transcription factor (CCA1); protein id: ,	-1.868	-2.321	-1.018	-1.436
A005736_01	At1g11910	putative aspartic proteinase; protein id: At1g11910.	-0.542	-1.163	-0.522	-0.204
A005739_01	At5g43700	auxin-induced protein AUX2-11 (sp P33077); protei	-0.168	-0.36	-0.237	-0.151
A005740_01	At1g12730	expressed protein; protein id: At1g12730.1	-1.565	-0.955 NA		-0.91
A005741_01	At2g34420	photosystem II type I chlorophyll a /b binding proteir	-0.694	-0.544	-0.696	-0.465
A005742_01	At3g08580	adenylate translocator; protein id: At3g08580.2	0.623	0.679	0.303	1.006
A005743_01	At1g05010	1-aminocyclopropane-1-carboxylate oxidase; proteir	-1.178	-0.975	-0.399	-0.439
A005744_01	At2g22430	homeodomain transcription factor (ATHB-6); proteir	-0.464	-0.706	-0.294	-0.418
A005745_01	At2g35605	expressed protein; protein id: At2g35605.1	0.535	0.547	0.562	0.874
A005746_01	At3g49010	60S ribosomal protein L13, BBC1 protein; protein id	0.866	0.839	0.874	1.412
A005749_01	At2g47730	glutathione transferase, putative (GST6); protein id:	-0.795	-0.557	-0.016	-0.288
A005750_01	At4g29660	putative protein; protein id: At4g29660.1	-0.399	-0.205 NA	NA	
A005751_01	At4g37520	peroxidase, putative; protein id: At4g37520.1	-3.698	-3.715	-2.611	-3.634

A005754_01	At4g11290	peroxidase, putative; protein id: At4g11290.1	0.934	0.708	0.644	1.086
A005755_01	xxxx	No hits found	-0.065	-0.159	-0.262	0.297
A005763_01	At3g55600	putative protein; protein id: At3g55600.1	NA	NA	NA	NA
A005766_01	At1g48520	expressed protein; protein id: At1g48520.1	0.87	0.83	0.024	0.718
A005771_01	At5g27850	putative 60S ribosomal protein	1.177	0.888	0.829	1.287
A005782_01	At4g00755	F-box protein family; protein id: At4g00755.1	-0.1	0.127	NA	0.492
A005783_01	At1g02280	putative GTP-binding protein; protein id: At1g02280	0.085	0.322	NA	0.283
A005784_01	At1g02170	hypothetical protein common family; protein id: At1g02170	-0.261	NA	NA	-1.046
A005787_01	At5g25900	cytochrome P450 GA3; protein id: At5g25900.1	-0.82	-0.643	-0.336	-0.567
A005792_01	xxxx	b/t ferrochelatase-I; protein id: At5g26030.1 and putative	-0.454	-0.266	NA	-0.75
A005827_01	At4g21105	expressed protein; protein id: At4g21105.1	-0.394	-0.029	0.127	0.23
A005834_01	At5g19860	unknown protein; protein id: At5g19860.1	-0.975	-0.52	-0.728	-0.652
A005835_01	At1g75730	hypothetical protein; protein id: At1g75730.1	-0.72	-0.941	-0.584	-0.434
A005839_01	At5g27150	NHE1 Na ⁺ /H ⁺ exchanger; protein id: At5g27150.1	-1.488	-0.917	NA	-0.606
A005845_01	xxxx	b/t At1g65840 and At1g65850 Chr1 C/24093474-24	-1.721	NA	0.029	NA
A005846_01	At1g23950	auxin-regulated protein; protein id: At1g23950.1	-0.428	-0.278	-0.272	0.031
A005856_01	At5g59613	expressed protein; protein id: At5g59613.1	0.302	0.412	0.399	0.235
A005864_01	At1g75500	nodulin-like protein; protein id: At1g75500.1	0.539	0.68	0.728	0.922
A005869_01	At3g44340	putative protein; protein id: At3g44340.1	0.223	0.37	NA	0.272
A005870_01	At5g64050	glutamate-tRNA ligase; protein id: At5g64050.1	-0.047	0.496	-0.078	0.389
A005879_01	At1g23860	splicing factor SRZ_21; protein id: At1g23860.1	0.018	NA	0.194	-0.162
A005885_01	At1g49590	unknown protein; protein id: At1g49590.1	-0.151	-0.102	0.124	0.27
A005906_01	At5g20150	ids4-like protein; protein id: At5g20150	-0.145	0.092	0.916	1.792
A005910_01	At1g58520	expressed protein; protein id: At1g58520.1	-1.47	-1.18	-1.204	-0.45
A005911_01	At4g18140	putative protein; protein id: At4g18140.1	NA	NA	NA	-0.357
A005914_01	At5g17020	putative exportin1 protein XPO1	-0.1	0.012	0.091	0.378
A005915_01	At1g80410	putative N-terminal acetyltransferase; protein id: At1g80410	0.654	0.563	0.024	-0.117
A005916_01	xxxx	b/t putative protein; protein id: At4g13490.1 and putative	-0.103	-0.141	0.491	1.045
A005926_01	At5g26990	drought-induced protein - like; protein id: At5g26990	-0.289	-0.322	-0.125	0.001
A005928_01	At1g75630	vacuolar ATP synthase, putative; protein id: At1g75630	-0.457	NA	0.068	-0.102
A005930_01	At1g60620	RNA polymerase subunit; protein id: At1g60620.1	-0.026	0.215	-0.03	0.148
A005933_01	At1g50640	ethylene responsive element binding factor 3 (AtERF3); protein id: At1g50640	-1.157	-0.888	-0.557	-0.674
A005935_01	At3g15210	ethylene responsive element binding factor 4 (AtERF4); protein id: At3g15210	0.065	0.36	-0.068	-0.213
A005936_01	At5g26760	putative protein; protein id: At5g26760.1	-0.008	-0.212	NA	-0.051
A005938_01	At1g27510	unknown protein; protein id: At1g27510.1	-0.293	NA	-0.53	-0.794
A005939_01	At4g11600	glutathione peroxidase, putative; protein id: At4g11600	-0.591	-0.636	-0.4	-0.314
A005946_01	At1g76090	S-adenosyl-methionine-sterol-C-methyltransferase, putative; protein id: At1g76090	0.472	0.452	0.168	0.163
A005948_01	At1g23960	unknown protein; protein id: At1g23960.1	-0.36	-0.508	-0.355	0.004
A005949_01	At1g60800	receptor-like kinase, putative; protein id: At1g60800	0.226	0.184	NA	0.471
A005954_01	At5g27380	glutathione synthetase (GSH2); protein id: At5g27380	0.291	-0.036	-0.296	-0.198
A005955_01	At3g16190	putative hydrolase; protein id: At3g16190.1	-0.675	-0.468	-0.387	-0.873
A005958_01	At4g26940	Avr9 elicitor response like protein; protein id: At4g26940	0.752	0.468	-0.003	0.327
A005959_01	At5g03240	polyubiquitin (UBQ3); protein id: At5g03240.1	-1.548	-1.397	-0.864	-0.805
A005962_01	At5g51105	unknown protein; protein id: At5g51105.1	0.014	0.281	NA	-0.223
A005963_01	At1g60550	hypothetical protein; protein id: At1g60550.1	-0.362	0.481	-0.311	-0.581
A005965_01	At3g02310	floral homeotic protein AGL4; protein id: At3g02310	-0.85	-0.805	-0.01	0.552
A005969_01	At1g61520	light-harvesting chlorophyll a/b binding protein; protein id: At1g61520	-1.24	-0.982	-1.023	-1.086
A005972_01	At5g37710	calmodulin-binding heat-shock protein; protein id: At5g37710	-0.084	0.179	-0.204	-0.059
A005981_01	At1g20620	catalase 3; protein id: At1g20620.1	-1.626	-2.201	-1.014	-1.562
A005984_01	At1g75680	glycosyl hydrolase family 9; protein id: At1g75680.1	1.008	0.876	0.604	1.275
A005989_01	At1g29930	light-harvesting chlorophyll a/b binding protein; protein id: At1g29930	0.644	0.016	0.052	-0.077
A005991_01	At5g44120	legumin-like protein; protein id: At5g44120.1	-3.651	-3.664	-2.73	-4.121
A005992_01	At5g18390	putative protein; protein id: At5g18390.1	-0.275	-0.078	-0.038	0.434
A005999_01	not annotated	Chr3 W/5862323-5862392	0.128	0.715	0.156	0.178
A006003_01	xxxx	b/t putative protein; protein id: At5g08440.1 and putative	-0.271	-0.143	NA	-0.229
A006014_01	At1g33055	expressed protein; protein id: At1g33055.1	NA	NA	NA	NA
A006015_01	xxxx	b/t RING finger - like protein; protein id: At3g54360	-0.543	-0.582	-0.477	-1.205
A006017_01	At1g24050	unknown protein; protein id: At1g24050.1	0.161	-0.027	0.069	0.129
A006021_01	not annotated	EST ethylene-responsive element binding protein. (AtERF1); protein id: At1g24050	-2.477	-2.343	-0.999	-1.842
A006022_01	At4g20260	endomembrane-associated protein; protein id: At4g20260	-3.057	NA	-1.923	-1.721
A006027_01	At5g53300	ubiquitin-conjugating enzyme; protein id: At5g53300	-0.717	-0.798	-0.189	0.154
A006030_01	At2g40880	putative cysteine proteinase inhibitor B (cystatin B); protein id: At2g40880	-2.33	-2.324	-1.863	-2.428
A006032_01	At2g46500	expressed protein; protein id: At2g46500.1	-0.345	-0.71	-0.427	-0.348
A006033_01	At2g36060	E2, ubiquitin-conjugating enzyme, putative; protein id: At2g36060	-0.327	-0.092	-0.097	-0.083
A006034_01	At2g43560	FKBP-type peptidyl-prolyl cis-trans isomerase; protein id: At2g43560	0.29	0.147	-0.164	-0.336
A006035_01	At2g22125	unknown protein; protein id: At2g22125.1	0.193	0.061	-0.005	-0.163
A006036_01	At2g28370	expressed protein; protein id: At2g28370.1	-0.251	NA	NA	-0.288
A006039_01	At2g03710	MADS-box protein (AGL3); protein id: At2g03710.1	-0.888	-1.042	NA	NA

A006040_01	At2g47650	putative dTDP-glucose 4-6-dehydratase; protein id:	0.844	0.492	0.552	0.556
A006041_01	At2g43360	biotin synthase (Bio B); protein id: At2g43360.1	1.189	1.055	1.049	1.647
A006042_01	At2g29590	expressed protein; protein id: At2g29590.1	-0.325	-0.337	0.056	-0.501
A006043_01	At2g31570	glutathione peroxidase, putative; protein id: At2g31570.1	-0.986	-0.96	-0.372	-0.489
A006045_01	At2g18710	putative preprotein translocase SECY protein; prote	-0.111	-0.022	0.012	0.417
A006046_01	At2g43510	putative trypsin inhibitor; protein id: At2g43510.1	-2.741	-2.434	-1.984	-2.337
A006048_01	At2g28800	chloroplast membrane protein (ALBINO3)(ALB3)(O)	-0.576	-0.855	-1.049	-1.011
A006049_01	At2g10940	expressed protein; protein id: At2g10940.1	1.203	0.977	0.73	0.841
A006050_01	At2g39000	unknown protein; protein id: At2g39000.1	-1.016	-1.229	-1.002	-1.522
A006051_01	At2g18020	60S ribosomal protein L2; protein id: At2g18020.1	0.197	0.449	0.559	0.647
A006052_01	At2g47160	putative anion exchange protein; protein id: At2g47160.1	0.53	0.463	0.488	1.348
A006055_01	At2g17390	putative glucanase; protein id: At2g17390.1	0.114	-0.046	0.219	0.6
A006056_01	At2g37970	expressed protein; protein id: At2g37970.1	-1.917	-1.845	-0.59	-1.338
A006058_01	At2g24150	expressed protein; protein id: At2g24150.1	0.33	0.17	0.241	0.424
A006059_01	At2g19790	putative clathrin assembly protein; protein id: At2g19790.1	0.09	0.29	0.13	-0.119
A006060_01	At2g33700	protein phosphatase 2C (PP2C); protein id: At2g33700.1	-0.495	-0.569	-0.367	-0.463
A006063_01	At2g38530	putative nonspecific lipid-transfer protein; protein id:	0.485	0.61	0.61	0.243
A006066_01	At2g24220	hypothetical protein; protein id: At2g24220.1	0.029	0.312 NA		0.512
A006068_01	At2g33310	auxin regulated protein (IAA13); protein id: At2g33310.1	-0.235	-0.283	0.131	0.281
A006070_01	At2g26330	putative receptor-like protein kinase, ERECTA; prot	1.237	1.167	1.029	1.587
A006073_01	At2g28870	expressed protein; protein id: At2g28870.1	-0.043	-0.097 NA		NA
A006077_01	At2g17790	putative vacuolar sorting protein 35; protein id: At2g17790.1	0.375 NA		NA	0.233
A006078_01	At2g29560	putative enolase (2-phospho-D-glycerate hydroxylase)	0.846	0.757	0.544	0.756
A006079_01	At2g05830	putative translation initiation factor eIF-2B alpha sub	0.597	0.528	0.479	0.954
A006082_01	At2g33430	plastid protein; protein id: At2g33430.1	0.523	0.501	0.218	0.427
A006085_01	At2g24280	putative prolylcarboxypeptidase; protein id: At2g24280.1	-0.764	-0.877	-0.463	-0.111
A006087_01	At2g20670	expressed protein; protein id: At2g20670.1	-3.093 NA		-1.392	-1.894
A006089_01	At2g20920	unknown protein; protein id: At2g20920.1	-1.768	-1.299	-1.123	-1.869
A006090_01	At2g02850	putative basic blue protein (plantacyanin); protein id	1.761	1.621	1.829	2.389
A006092_01	At2g40280	expressed protein; protein id: At2g40280.1	0.492 NA		NA	0.344
A006095_01	At2g35040	putative phosphoribosylaminoimidazolecarboxamide	0.578	0.675	0.289	0.771
A006096_01	At2g41420	unknown protein; protein id: At2g41420.1	-0.181	-0.087	0.225	-0.147
A006099_01	At2g35680	expressed protein; protein id: At2g35680.1	-1.465	-1.647	-0.688	-0.697
A006100_01	At2g33370	60S ribosomal protein L23; protein id: At2g33370.1	1.1	0.902	0.804	1.278
A006101_01	At2g16710	putative HesB-like protein; protein id: At2g16710.1	-0.57	-0.498	-0.746	-0.516
A006102_01	At2g46450	cyclic nucleotide-regulated ion channel, putative; pr	-0.926 NA		NA	-0.517
A006104_01	At2g05520	putative glycine-rich protein; protein id: At2g05520.1	-1.681 NA		-1.233	-2.678
A006105_01	At2g03340	WRKY family transcription factor; protein id: At2g03340.1	-0.703 NA		NA	-1.529
A006110_01	At2g26340	expressed protein; protein id: At2g26340.1	-0.401	-0.19	-0.178	-0.197
A006118_01	At2g25610	putative vacuolar ATP synthase proteolipid subunit;	-0.212	-0.234	-0.022	-0.656
A006119_01	At2g25740	hypothetical protein; protein id: At2g25740.1	-0.085	-0.161	-0.225	0.089
A006123_01	At2g17410	unknown protein; protein id: At2g17410.1	0.141	-0.123	-0.175	-0.547
A006124_01	At2g05620	expressed protein; protein id: At2g05620.1	-1.025	-0.802	-0.703	-1.148
A006125_01	At2g27730	expressed protein; protein id: At2g27730.1	0.796	0.378	0.264	-0.001
A006126_01	At2g46225	TITL expressed protein; protein id: At2g46225.1	0.565	0.413	0.717	1.356
A006132_01	At2g25720	expressed protein; protein id: At2g25720.1	-0.285	-0.017	0.377	-0.534
A006136_01	At2g41760	expressed protein; protein id: At2g41760.1	0.567	0.618	0.562	0.749
A006138_01	At2g17265	3-hydroxy-3-methylglutaryl-coenzyme A reductase 2	-0.221	-0.011	0.238	0.218
A006143_01	At2g20580	26S proteasome regulatory subunit S2 (RPN1); prot	0.126	0.11	0.182	0.258
A006146_01	At2g38040	putative alpha-carboxyltransferase; protein id: At2g38040.1	0.398	-0.002	-0.34	-0.38
A006152_01	At2g45670	unknown protein; protein id: At2g45670.1	-0.469	-0.419	-0.355	-0.672
A006159_01	At2g24940	putative steroid binding protein; protein id: At2g24940.1	-0.256	0.003	-0.201	-0.727
A006163_01	At2g27020	20S proteasome alpha subunit G (PAG1); protein id	0.529	0.34	0.383	0.698
A006164_01	At2g01140	putative aldolase; protein id: At2g01140.1	0.571	0.611	0.446	0.234
A006168_01	At2g40060	expressed protein; protein id: At2g40060.1	0.221	-0.267	0.146	0.022
A006169_01	At2g24270	putative NADP-dependent glyceraldehyde-3-phosph	-0.352	0.062	-0.015	0.218
A006172_01	At2g27110	mutator-like transposase; protein id: At2g27110.1	0.082 NA		NA	NA
A006173_01	At2g28070	ABC transporter family protein; protein id: At2g28070.1	0.013 NA		NA	0.204
A006175_01	At2g35690	putative acyl-CoA oxidase; protein id: At2g35690.1	-0.864	-0.798	-0.619	-0.744
A006177_01	At2g43790	MAP kinase (ATMPK6); protein id: At2g43790.1	-0.571 NA		NA	-0.797
A006178_01	At2g04880	WRKY family transcription factor (ZAP1); protein id:	-0.301	-0.466	-0.197	-0.136
A006181_01	At2g14900	similar to gibberellin-regulated proteins; protein id: A	0.421	0.318	0.375	0.565
A006182_01	At2g06520	expressed protein; protein id: At2g06520.1	-0.572	-0.428	-0.355	-1.102
A006185_01	At2g20040	putative cAMP-dependent protein kinase; protein id:	-0.777	-0.662	-0.564	-0.345
A006189_01	At2g14260	proline iminopeptidase; protein id: At2g14260.1	0.245	0.131	0.332	0.253
A006191_01	xxxx	b/t hypothetical protein; protein id: At2g14110.1 and	0.207	-0.099	-0.058	0.212
A006193_01	At2g01600	expressed protein; protein id: At2g01600.1	-0.539	-0.556 NA		-0.688
A006195_01	At2g43520	putative trypsin inhibitor; protein id: At2g43520.1	0.026	0.494	-0.494	-0.646

A006197_01	At2g01610	unknown protein; protein id: At2g01610.1	0.324	0.264	0.36	0.126
A006199_01	At2g42590	14-3-3 protein GF14 mu (grf9); protein id: At2g4259	-0.77	-0.561	-0.528	-0.418
A006202_01	At2g28080	putative glucosyltransferase; protein id: At2g28080.	1.15	1.095	0.749	0.75
A006203_01	At2g36290	expressed protein; protein id: At2g36290.1	-0.159	0.146 NA		0.347
A006211_01	At2g46370	putative auxin-responsive protein; protein id: At2g46	-0.799	-0.698	-0.61	-0.203
A006212_01	At2g22660	unknown protein; protein id: At2g22660.1	-0.519	-0.528	0.17	0.651
A006214_01	At2g01660	expressed protein; protein id: At2g01660.1	NA	NA	-1.046	-2.515
A006219_01	At2g46320	mitochondrial carrier protein family; protein id: At2g	-0.43 NA	NA	NA	
A006220_01	At2g46090	expressed protein; protein id: At2g46090.1	0.35	0.273	-0.054	0.326
A006223_01	At2g26110	unknown protein; protein id: At2g26110.1	0.063	0.192	0.243	0.365
A006226_01	At2g30200	putative malonyl-CoA:Acyl carrier protein transacyla	1.111	1.074	0.806	1.068
A006227_01	At2g30230	hypothetical protein; protein id: At2g30230.1	-1.599 NA		-0.423	-0.797
A006231_01	At2g44410	unknown protein; protein id: At2g44410.1	-0.668 NA	NA		-0.015
A006233_01	At2g19940	putative N-acetyl-gamma-glutamyl-phosphate reduc	0.928	1.073	0.76	1.024
A006235_01	At2g42790	putative citrate synthase; protein id: At2g42790.1	-2.412	-2.359	-1.393	-1.099
A006239_01	At2g01720	putative ribophorin I; protein id: At2g01720.1	0.693	0.335	0.384	1.056
A006242_01	At2g39450	unknown protein; protein id: At2g39450.1	0.092 NA	NA		0.694
A006243_01	At2g43090	3-isopropylmalate dehydratase, small subunit; prote	0.677	0.651	0.587	0.86
A006246_01	At2g35050	putative protein kinase; protein id: At2g35050.1	-0.384	-0.724	-0.868	-1.073
A006251_01	At2g30695	expressed protein; protein id: At2g30695.1	0.773	0.934	0.795	0.749
A006252_01	At2g20860	lipoic acid synthase (LIP1); protein id: At2g20860.1	-0.211	-0.055	-0.141	-0.174
A006253_01	At2g24180	cytochrome p450 family; protein id: At2g24180.1	-1.281 NA		-0.952	-1.141
A006254_01	At2g20890	expressed protein; protein id: At2g20890.1	0.233	0.323	-0.343	-0.312
A006257_01	At2g27960	CDK-subunit 1; protein id: At2g27960.1	-0.098	0.245	0.383	-0.071
A006260_01	At2g28840	putative RING zinc finger ankyrin protein; protein id:	-0.358	-0.293	-0.744	-1.108
A006261_01	At2g46260	expressed protein; protein id: At2g46260.1	-0.38	-0.28	-0.218	-0.709
A006263_01	At2g25710	biotin holocarboxylase synthetase; protein id: At2g2	0.123	0.021	0.162	0.293
A006264_01	At2g37460	nodulin-like protein; protein id: At2g37460.1	-2.608 NA		-1.315	-1.892
A006269_01	At2g20180	unknown protein; protein id: At2g20180.1	-1.13	-1.271 NA		-0.858
A006273_01	At2g01190	expressed protein; protein id: At2g01190.1	-1.377	-1.094	-0.937 NA	
A006277_01	At2g35800	putative mitochondrial carrier protein; protein id: At2	-0.41 NA	NA		-0.92
A006278_01	At2g30020	protein phosphatase 2C (PP2C); protein id: At2g300	-0.891 NA	NA		-0.65
A006282_01	At2g38740	expressed protein; protein id: At2g38740.1	0.103	-0.051	0.424	0.44
A006284_01	At2g45290	putative transketolase precursor; protein id: At2g45	1.044	0.969 NA		1.048
A006288_01	At2g03420	hypothetical protein; protein id: At2g03420.1	0.781	0.886	0.476	0.079
A006291_01	At2g33990	putative SF16 protein (Helianthus annuus); protein i	-0.967 NA	NA		-1.126
A006298_01	At2g41010	unknown protein; protein id: At2g41010.1	-0.388 NA		0.187	0.032
A006313_01	At2g19000	expressed protein; protein id: At2g19000.1	-0.875	-0.738 NA	NA	
A006316_01	At2g27980	hypothetical protein; protein id: At2g27980.1	-0.247 NA	NA	NA	
A006323_01	At2g21190	putative ER lumen protein retaining receptor; protei	-0.783	-0.683	-0.364	-0.256
A006324_01	At2g30170	expressed protein; protein id: At2g30170.1	-0.389	-0.19	-0.357	-0.322
A006327_01	At2g30080	putative Fe(II) transport protein; protein id: At2g300	-0.376	-0.086 NA		0.601
A006329_01	At2g40850	hypothetical protein; protein id: At2g40850.1	-0.35	-0.497 NA		-1.477
A006330_01	At2g40860	protein phosphatase 2C (PP2C); protein id: At2g40	0.336 NA	NA		0.023
A006331_01	At2g03430	putative ankyrin; protein id: At2g03430.1	0.448	0.152 NA		0.508
A006342_01	At2g36360	unknown protein; protein id: At2g36360.1	0.02 NA	NA		-0.045
A006345_01	At2g26440	putative pectinesterase; protein id: At2g26440.1	0.466	0.417	0.241	0.46
A006350_01	At2g26510	putative membrane transporter; protein id: At2g265	-0.53	-0.426	-0.215	0.196
A006351_01	At2g02590	putative transport protein; protein id: At2g02590.1	0.115	0.355 NA		0.013
A006357_01	At2g41490	UDP-GlcNAc:dolichol phosphate N-acetylglucosami	-0.243	-0.081	0.153	0.646
A006373_01	At2g38560	putative elongation factor; protein id: At2g38560.1	-0.452 NA		-0.909	-0.669
A006374_01	At2g44090	expressed protein; protein id: At2g44090.1	0.08	0.469	-0.018	1.13
A006378_01	At2g02730	expressed protein; protein id: At2g02730.1	-0.365 NA		-0.653	-0.45
A006384_01	At2g47410	hypothetical protein; protein id: At2g47410.1	-0.057	-0.165	-0.392	-0.049
A006385_01	At2g44020	expressed protein; protein id: At2g44020.1	0.406	0.4 NA		0.463
A006387_01	At2g38640	unknown protein; protein id: At2g38640.1	-1.824	-1.747	-1.141	-2.589
A006388_01	At2g43910	putative methyl chloride transferase; protein id: At2	-0.197	-0.028	0.211	0.478
A006389_01	At2g32800	putative protein kinase; protein id: At2g32800.1	-1.822	-1.371 NA		-1.239
A006400_01	At2g32650	expressed protein; protein id: At2g32650.1	0.825	0.726 NA		0.142
A006402_01	At2g42210	expressed protein; protein id: At2g42210.1	0.552	0.5	0.324	0.051
A006419_01	At2g38730	putative peptidyl-prolyl cis-trans isomerase; protein	0.549	0.817	0.639	0.964
A006421_01	At2g38230	similar to SOR1 from the fungus Cercospora nicotia	-1.595	-1.073	-1.12	-1.732
A006422_01	At2g18950	hypothetical protein; protein id: At2g18950.1	-0.06 NA		-0.1	0.085
A006429_01	At2g01400	expressed protein; protein id: At2g01400.1	-0.713	-0.179 NA	NA	
A006432_01	At2g32910	unknown protein; protein id: At2g32910.1	-0.249	-0.351 NA		-0.18
A006436_01	At2g26430	putative cyclin; protein id: At2g26430.2	-0.173	-0.324	-0.401	-0.734
A006441_01	At2g47190	myb transcription factor (Atmyb2); protein id: At2g4	NA	NA	NA	
A006442_01	At2g30610	unknown protein; protein id: At2g30610.1	-0.662	0.038	-1.256	-1.179

A006451_01	At2g30590	WRKY family transcription factor; protein id: At2g30	-0.146	0.052	-0.359	0.206
A006453_01	At2g36680	unknown protein; protein id: At2g36680.1	-0.558	-0.455	-0.455	-0.421
A006456_01	At2g30540	putative glutaredoxin; protein id: At2g30540.1	0.023	0.121	0.9	1.222
A006491_01	At2g39950	hypothetical protein; protein id: At2g39950.1	-0.926	-0.706 NA	NA	
A006523_01	At2g43105	unknown protein; protein id: At2g43105.1	0.127	0.416	-0.18	0.288
A006529_01	At2g18090	unknown protein; protein id: At2g18090.1	-0.684 NA	NA		-0.474
A006550_01	At2g45160	putative scarecrow gene regulator; protein id: At2g4	-0.624	-0.57	-0.068	-0.089
A006556_01	At2g17480	similar to Mlo proteins from H. vulgare; protein id: A	0.052	0.206	0.198	0.687
A006564_01	At2g21270	putative ubiquitin fusion-degradation protein; proteir	-0.647	-0.654	-0.068	-0.183
A006565_01	At2g27200	putative nucleotide-binding protein; protein id: At2g2	-0.518	-0.56	-0.54	-0.214
A006567_01	At2g46600	putative caltractin; protein id: At2g46600.1	-1.94	-1.543	-0.716	-1.172
A006568_01	At2g27180	expressed protein; protein id: At2g27180.1	-0.799	-0.375	-0.923	-1.182
A006569_01	At2g11000	unknown protein; protein id: At2g11000.1	-0.411	-0.276	0.092	0.601
A006573_01	At2g01080	expressed protein; protein id: At2g01080.1	-0.213	0.263 NA		0.215
A006574_01	At2g10450	14-3-3 protein (grf15), putative; protein id: At2g1045	-0.61	0.249 NA		0.041
A006575_01	At2g32340	hypothetical protein; protein id: At2g32340.1	-0.619	-0.121	-0.372	-0.218
A006579_01	At2g22080	En/Spm-like transposon protein; protein id: At2g220	0.485	0.305	0.692	0.388
A006580_01	At2g44280	hypothetical protein; protein id: At2g44280.1	-0.301	-0.444	-0.115	0.098
A006581_01	At2g04240	putative RING zinc finger protein; protein id: At2g04	-0.904	-1.107	0.084	0.074
A006585_01	At2g44400	CHP-rich zinc finger protein, putative; protein id: At2	-0.921	0.029	-0.624	0.174
A006586_01	At2g44420	expressed protein; protein id: At2g44420.1	-0.638	-0.132	-0.341	0.056
A006595_01	At2g13350	hypothetical protein; protein id: At2g13350.1	-0.241	-0.611 NA		-0.713
A006596_01	At2g29350	putative tropinone reductase; protein id: At2g29350.	-2.683	-2.235	-2.496	-2.016
A006597_01	At2g29380	protein phosphatase 2C (PP2C), putative; protein id	-1.494	-0.864 NA		-0.499
A006598_01	At2g31270	hypothetical protein; protein id: At2g31270.1	-0.956	-0.291 NA		-0.116
A006603_01	At2g32440	ent-kaurenoic acid oxidase (cytochrome P450 famil	-1.368	-1.204	-0.89	-0.924
A006610_01	At2g22400	unknown protein; protein id: At2g22400.1	0.255	0.252	0.033	0.01
A006611_01	At2g45720	unknown protein; protein id: At2g45720.1	-0.516	-0.449 NA		-0.584
A006619_01	xxxx	b/t putative ABC transporter; protein id: At2g39190.:	0.02	-0.12	-0.297	-0.049
A006622_01	At2g36710	pectinesterase family; protein id: At2g36710.1	-2.622 NA		-2.256	-3.624
A006637_01	At2g31360	delta 9 desaturase; protein id: At2g31360.1	0.771	1.017	0.738	0.958
A006660_01	At2g16880	putative salt-inducible protein; protein id: At2g16880	0.311	0.44 NA		0.569
A006664_01	At2g16920	putative ubiquitin-conjugating enzyme; protein id: At	-0.071	0.058	-0.104	0.4
A006665_01	At2g16940	RRM-containing protein; protein id: At2g16940.1	-0.006	-0.136	0.058	0.099
A006674_01	At2g26840	unknown protein; protein id: At2g26840.1	0.403 NA		0.475	0.474
A006676_01	At2g26860	F-box protein; protein id: At2g26860.1	0.289 NA		0.397	0.787
A006681_01	At2g28810	Dof zinc finger protein; protein id: At2g28810.1	-1.161	-1.013 NA		-0.641
A006684_01	At2g19680	copa-like retroelement pol polyprotein; protein id: A	0.855	0.88	0.566	0.345
A006688_01	At2g19740	60S ribosomal protein L31; protein id: At2g19740.1	0.351	0.502	0.41	-0.029
A006689_01	At2g32170	hypothetical protein; protein id: At2g32170.1	0.009	0.027	-0.016	0.55
A006692_01	At2g19860	hexokinase (ATHXK2); protein id: At2g19860.1	-0.28	-0.137	-0.136	-0.355
A006694_01	At2g19560	unknown protein; protein id: At2g19560.1	-0.082 NA		-0.02	0.171
A006696_01	At2g20410	expressed protein; protein id: At2g20410.1	-0.483	-0.883 NA		-0.49
A006708_01	At2g38820	expressed protein; protein id: At2g38820.1	-0.9	-0.865	-0.363	-0.45
A006710_01	At2g38800	calmodulin-binding protein; protein id: At2g38800.1	-1.495	-1.624	-0.753	-0.533
A006715_01	At2g38780	hypothetical protein; protein id: At2g38780.1	-0.131	-0.259	-0.245	-0.264
A006716_01	At2g17230	expressed protein; protein id: At2g17230.1	1.334	1.231	0.803	1.013
A006724_01	At2g22680	copa-like retroelement pol polyprotein; protein id: A	-1.376	-1.221	0.073	0.149
A006726_01	At2g20340	putative tyrosine decarboxylase; protein id: At2g203	1.07	1.014	0.66	1.293
A006730_01	At2g40400	chloroplast lumen common protein family; protein id	0.239	0.513	-0.684	-0.51
A006733_01	At2g22010	unknown protein; protein id: At2g22010.1	-0.707	-0.874	-0.571	-0.63
A006735_01	At2g20310	hypothetical protein; protein id: At2g20310.1	-0.206 NA	NA		0.353
A006736_01	At2g46690	putative auxin-regulated protein; protein id: At2g466 NA	NA		-2.57 NA	
A006737_01	At2g20280	hypothetical protein; protein id: At2g20280.1	0.417	0.212	0.275	0.25
A006738_01	At2g46710	putative rac GTPase activating protein; protein id: A	-0.803	-0.917 NA		-0.586
A006742_01	At2g20270	putative glutaredoxin; protein id: At2g20270.1	0.641	0.738	0.548	0.146
A006744_01	At2g27260	expressed protein; protein id: At2g27260.1	-0.469	-0.063	-0.02	-0.543
A006748_01	At2g31090	expressed protein; protein id: At2g31090.1	-0.463	-0.069	0.276	-0.271
A006754_01	At2g27290	expressed protein; protein id: At2g27290.1	-0.839	-0.567	-0.815	-1.465
A006755_01	At2g02220	leucine-rich repeat transmembrane protein kinase, f	-0.529 NA	NA		-0.606
A006761_01	At2g31880	leucine-rich repeat transmembrane protein kinase, f	-2.36	-2.504 NA		-1.684
A006763_01	At2g05160	RRM-containing protein; protein id: At2g05160.1 NA	NA	NA	NA	-1.35
A006769_01	At2g02050	expressed protein; protein id: At2g02050.1	0.258	0.341	0.434	0.12
A006771_01	At2g35900	hypothetical protein; protein id: At2g35900.1	-1.88	-1.562	-1.134	-1.629
A006781_01	At2g35780	putative serine carboxypeptidase II; protein id: At2g	0.926	0.764	0.222	0.381
A006787_01	At2g35490	putative fibrillin; protein id: At2g35490.1	-0.275 NA		-0.333	-0.933
A006789_01	At2g04850	expressed protein; protein id: At2g04850.1	-0.003	0.115 NA	NA	NA
A006790_01	At2g01930	expressed protein; protein id: At2g01930.1	-0.704 NA	NA	NA	NA

A006794_01	At2g01060	transfactor-like protein; protein id: At2g01060.1	-0.082	-0.105	NA		0.015
A006797_01	At2g23070	putative casein kinase II catalytic (alpha) subunit; p	0.062	-0.217		0.045	0.36
A006799_01	At2g23430	Kip-related protein 1; protein id: At2g23430.1	-2.257	NA	NA	NA	
A006800_01	At2g03890	expressed protein; protein id: At2g03890.1	-0.454	NA		-0.955	-1.339
A006802_01	At2g37090	unknown protein; protein id: At2g37090.1	-1.754	-1.931		-1.516	-1.571
A006803_01	At2g23460	putative GTP-binding protein (extra large); protein ic	-0.584	-0.344		-0.077	-0.083
A006804_01	At2g42680	expressed protein; protein id: At2g42680.1	-0.368	-0.713		-0.263	-0.587
A006805_01	At2g45990	expressed protein; protein id: At2g45990.1	-0.096	-0.01		-0.113	-0.108
A006806_01	At2g01680	expressed protein; protein id: At2g01680.1	-0.834	-0.715	NA		-0.455
A006808_01	At2g23420	unknown protein; protein id: At2g23420.1	-0.682	-0.795		-0.214	-0.107
A006809_01	At2g38880	putative CCAAT-binding transcription factor subunit	0.113	0.291	NA		0.229
A006811_01	At2g13360	alanine-glyoxylate aminotransferase; protein id: At2	-1.468	-1.821		-1.153	-1.657
A006815_01	At2g44610	GTP-binding protein, putative; protein id: At2g44610	0.137	-0.085		0.274	-0.036
A006816_01	At2g21870	putative ATP synthase; protein id: At2g21870.1	0.427	0.432		0.451	0.621
A006817_01	At2g14910	unknown protein; protein id: At2g14910.1	-1.26	-1.377		-1.274	-0.449
A006819_01	At2g46490	unknown protein; protein id: At2g46490.1	-0.321	-0.239		-0.269	-0.831
A006821_01	At2g45640	expressed protein; protein id: At2g45640.1	0.325	0.178		0.291	0.407
A006822_01	At2g25250	unknown protein; protein id: At2g25250.1	-0.598	-0.457		0.044	-0.364
A006824_01	At2g33810	putative squamosa-promoter binding protein; protei	0.418	NA		0.575	0.741
A006826_01	At2g19570	putative cytidine deaminase; protein id: At2g19570.	-2.369	-2.362		-0.975	-0.729
A006827_01	At2g44210	expressed protein; protein id: At2g44210.1	-0.123	-0.381		-0.409	-0.174
A006828_01	At2g26920	unknown protein; protein id: At2g26920.1	-0.656	-0.366		-0.298	0.043
A006829_01	At2g32080	putative purine-rich single-stranded DNA-binding pr	-0.63	-0.783		-0.457	-0.531
A006830_01	At2g42890	meiosis protein mei2, putative; protein id: At2g4289	NA	NA	NA	NA	NA
A006831_01	At2g48040	unknown protein; protein id: At2g48040.1	-0.061	-0.151	NA	NA	NA
A006832_01	At2g38270	expressed protein; protein id: At2g38270.1	0.447	0.374		0.125	-0.219
A006847_01	At2g29980	omega-3 fatty acid desaturase, endoplasmic reticul	1.354	1.331		1.221	1.711
A006849_01	At2g42830	floral homeodomain transcription factor (AGL5); pro	0.239	0.277		0.672	0.859
A006850_01	At2g32950	COP1 regulatory protein; protein id: At2g32950.1	0.009	-0.336	NA		0.35
A006852_01	At2g04400	putative indole-3-glycerol phosphate synthase; prote	0.348	0.15	NA		0.104
A006854_01	At2g45810	DEAD/DEAH box RNA helicase, putative; protein id	-0.461	-0.657		-0.312	-0.452
A006857_01	At2g34520	mitochondrial ribosomal protein S14; protein id: At2	0.234	0.248		0.44	0.329
A006864_01	At2g19080	expressed protein; protein id: At2g19080.1	0.228	0.204		0.148	0.413
A006867_01	At2g19180	expressed protein; protein id: At2g19180.1	-0.192	-0.259		0	-0.151
A006868_01	At2g40810	hypothetical protein; protein id: At2g40810.1	-1.083	NA	NA	NA	NA
A006869_01	At2g40840	glycosyl hydrolase family 77 (4-alpha-glucanotransf	0.439	0.03		-0.367	-0.301
A006871_01	At2g40930	ubiquitin-specific protease 5 (UBP5), putative; prote	-0.489	-0.307		-0.274	0.039
A006876_01	At2g03440	unknown protein; protein id: At2g03440.1	-0.313	-0.373		-0.189	-0.287
A006880_01	At2g20140	26S proteasome subunit 4; protein id: At2g20140.1	0.725	0.673		0.291	0.403
A006882_01	At2g41530	putative esterase D; protein id: At2g41530.1	-0.046	0.04		0.304	0.374
A006885_01	At2g02710	putative receptor-like protein kinase; protein id: At2g	-2.655	-3.257		-1.674	-1.899
A006890_01	At2g03470	putative MYB family transcription factor; protein id: ;	-0.401	NA		-0.506	-0.221
A006893_01	At2g38170	high affinity Ca2+ antiporter; protein id: At2g38170.	-1.227	-1.263		-1.137	-0.805
A006896_01	At2g38280	putative AMP deaminase; protein id: At2g38280.1	-0.07	-0.092		-0.132	0.029
A006897_01	At2g32880	unknown protein; protein id: At2g32880.1	NA	NA		-2.076	NA
A006907_01	At2g34690	unknown protein; protein id: At2g34690.1	-0.712	-0.735		-0.212	-0.352
A006913_01	At2g44670	high affinity Ca2+ antiporter; protein id: At2g38170.	-0.044	0.134		0.786	0.713
A006918_01	At2g17980	putative SEC1 family transport protein; protein id: A	0.037	-0.006		-0.053	-0.035
A006919_01	At2g46950	cytochrome p450, putative; protein id: At2g46950.1	-3.164	-3.394	NA		-2.225
A006924_01	At2g34200	hypothetical protein; protein id: At2g34200.1	-0.632	-0.63	NA	NA	NA
A006928_01	At2g34350	nodulin-like protein; protein id: At2g34350.1	0.824	0.501		0.53	0.971
A006935_01	At2g26170	thromboxane-A synthase(cytochrome p450 family),	-1.008	-1.222	NA		-0.1
A006937_01	At2g26210	unknown protein; protein id: At2g26210.1	-0.341	-0.384		-0.213	-0.528
A006944_01	At2g44490	glycosyl hydrolase family 1; protein id: At2g44490.1	-1.639	-2.035		-2.641	-3.014
A006948_01	At2g07360	unknown protein; protein id: At2g07360.1	0.374	0.263		0.132	0.179
A006949_01	At2g45710	putative ribosomal protein S27; protein id: At2g4571	0.586	0.722		0.733	0.106
A006954_01	At2g39340	unknown protein; protein id: At2g39340.1	-0.401	-1.224		-1.227	-0.908
A006959_01	At2g22870	putative nucleotide-binding protein; protein id: At2g2	0.552	0.704		0.575	0.988
A006971_01	At2g19880	expressed protein; protein id: At2g19880.1	NA	NA	NA		-0.497
A006972_01	At2g32230	hypothetical protein; protein id: At2g32230.1	1.31	0.916		0.521	1.007
A006974_01	At2g23900	polygalacturonase, putative; protein id: At2g23900.1	-0.15	NA	NA	NA	NA
A006975_01	At2g46680	homeodomain transcription factor (ATHB-7); proteir	-2.422	-2.899		-1.968	-2.186
A006984_01	At2g47790	expressed protein; protein id: At2g47790.1	0.351	0.256		0.495	0.504
A006988_01	At2g47940	DegP2 protease; protein id: At2g47940.1	0.936	0.599		0.293	0.693
A006992_01	At2g46800	putative zinc transporter; protein id: At2g46800.1	-0.524	-0.535		0.029	-0.162
A007000_01	At2g02370	expressed protein; protein id: At2g02370.1	-1.118	-1.133		-0.677	-0.33
A007002_01	At2g02400	putative cinnamoyl-CoA reductase; protein id: At2g	-0.195	NA		0.386	0.514
A007010_01	At2g35540	putative DnaJ protein; protein id: At2g35540.1	-0.301	NA	NA		-0.162

A007017_01	At2g29090	taxane 13-alpha-hydroxylase(cytochrome p450 fami	NA	NA	NA	
A007021_01	At2g25870	A.t. chromosome II section 126 of 255 of the compl	0.692	0.57	0.211	0.452
A007023_01	At2g14880	expressed protein; protein id: At2g14880.1	0.747	0.681	0.585	0.465
A007045_01	At2g01440	ATP-dependent DNA helicase, putative; protein id: ,	-0.111	-0.309	NA	NA
A007051_01	At2g27040	Argonaute (AGO1)-like protein; protein id: At2g2704	1.681	1.371	1.163	1.749
A007052_01	At2g27090	hypothetical protein; protein id: At2g27090.1	-0.827	-0.848	NA	-0.683
A007054_01	At2g37050	putative receptor-like protein kinase; protein id: At2g	0.286	0.243	0.264	0.389
A007058_01	At2g32290	glycosyl hydrolase family 14 (beta-amylase); proteir	NA	NA	NA	NA
A007061_01	At2g37120	expressed protein; protein id: At2g37120.1	1.15	1.196	0.917	0.86
A007062_01	At2g37160	DMR protein, putative; protein id: At2g37160.1	-0.149	NA	-0.074	-0.214
A007064_01	At2g38870	putative protease inhibitor; protein id: At2g38870.1	-0.547	-0.405	-0.308	-0.832
A007067_01	At2g38980	unknown protein; protein id: At2g38980.1	-0.275	-0.293	-0.366	-0.289
A007073_01	At2g16660	nodulin-like protein; protein id: At2g16660.1	-0.903	-0.998	-0.812	-0.823
A007075_01	At2g21180	expressed protein; protein id: At2g21180.1	-1.97	-1.909	-0.572	-1.9
A007087_01	At2g02080	putative C2H2-type zinc finger protein; protein id: At	-0.331	NA	-0.465	-0.167
A007090_01	At2g02180	expressed protein; protein id: At2g02180.1	-0.779	-0.53	-0.922	-0.967
A007093_01	At2g42390	expressed protein; protein id: At2g42390.1	0.091	0.109	0.137	0.046
A007098_01	At2g06510	putative replication protein A1; protein id: At2g0651	0.046	-0.339	NA	NA
A007103_01	At2g18410	hypothetical protein; protein id: At2g18410.1	0.439	0.713	0.168	0.589
A007112_01	At2g31820	ankyrin-like protein; protein id: At2g31820.1	-0.547	-0.718	-0.599	-0.478
A007117_01	At2g20330	putative WD-40 repeat protein; protein id: At2g2033	0.35	-0.053	NA	-0.156
A007119_01	At2g24860	expressed protein; protein id: At2g24860.1	-0.698	-0.579	-0.369	-0.541
A007130_01	At2g03750	putative steroid sulfotransferase; protein id: At2g037	0.012	0.04	0.205	-0.089
A007131_01	At2g03800	unknown protein; protein id: At2g03800.1	-0.173	NA	NA	-0.53
A007132_01	At2g21240	expressed protein; protein id: At2g21240.1	-0.376	NA	-0.291	-0.074
A007142_01	At2g36250	plastid division protein (FtsZ); protein id: At2g36250	0.389	0.408	0.169	0.46
A007148_01	At2g42750	expressed protein; protein id: At2g42750.1	-1.819	-2.025	-1.247	-1.961
A007152_01	At2g04540	3-oxoacyl carrier protein synthase; protein id: At2g0	0.177	NA	NA	0.308
A007153_01	At2g04550	putative protein phosphatase; protein id: At2g04550	-0.39	-0.218	0.07	-0.285
A007158_01	At2g04740	unknown protein; protein id: At2g04740.1	-0.107	NA	NA	0.16
A007167_01	At2g21900	WRKY family transcription factor; protein id: At2g21	-0.265	-0.542	-0.27	-0.223
A007169_01	At2g40380	unknown protein; protein id: At2g40380.1	0.089	0.119	0.262	-0.037
A007170_01	At2g40410	hypothetical protein; protein id: At2g40410.1	-0.315	-0.389	-0.124	-0.285
A007173_01	At2g16070	expressed protein; protein id: At2g16070.1	-0.381	-0.321	0.108	-0.044
A007183_01	At2g36990	putative RNA polymerase sigma-70 factor; protein id	0.522	0.16	-0.068	-0.074
A007211_01	At2g33770	hypothetical protein; protein id: At2g33770.1	-0.45	-0.495	-0.39	-0.876
A007218_01	At5g15220	ribosomal protein L27 - like; protein id: At5g15220.1	1.236	1.515	0.981	1.434
A007219_01	At2g04030	putative heat shock protein; protein id: At2g04030.1	1.1	1.017	0.454	0.613
A007221_01	At2g47490	mitochondrial carrier protein family; protein id: At2g	-0.192	-0.351	0.218	NA
A007222_01	At2g41620	expressed protein; protein id: At2g41620.1	0.02	0.038	-0.333	0.074
A007225_01	At2g18910	expressed protein; protein id: At2g18910.1	0.689	0.906	0.643	0.448
A007228_01	At2g45540	unknown protein; protein id: At2g45540.1	0.199	0.184	0.285	0.253
A007234_01	xxxx	b/t unknown protein; protein id: At2g02510.1 and Ex	0.112	0.194	0.065	0.213
A007242_01	At2g30120	expressed protein; protein id: At2g30120.1	-0.133	0	NA	-0.042
A007243_01	At2g39360	putative protein kinase; protein id: At2g39360.1	-0.933	-1.101	NA	-1.779
A007245_01	At2g39520	hypothetical protein; protein id: At2g39520.1	0.667	0.468	NA	0.356
A007246_01	At2g34870	expressed protein; protein id: At2g34870.1	0.786	0.614	0.455	0.669
A007250_01	At2g35130	hypothetical protein; protein id: At2g35130.1	-0.323	-0.347	-0.423	-0.208
A007251_01	At2g23610	putative acetone-cyanohydrin lyase; protein id: At2g	-0.059	NA	-0.507	-1.021
A007252_01	At2g37990	expressed protein; protein id: At2g37990.1	0.567	0.697	0.182	0.7
A007255_01	At2g35610	unknown protein; protein id: At2g35610.1	0.266	0.323	0.039	0.225
A007256_01	At2g46270	G-box binding bZIP transcription factor; protein id: A	-0.252	NA	NA	0.056
A007258_01	At2g32700	expressed protein; protein id: At2g32700.1	-0.586	-0.088	-0.266	0.112
A007259_01	At2g20420	succinyl-CoA ligase beta subunit; protein id: At2g20	0.759	0.286	0.359	1.156
A007260_01	At2g23600	putative acetone-cyanohydrin lyase; protein id: At2g	-1.015	-1.078	-0.715	-1.264
A007262_01	At2g02420	unknown protein; protein id: At2g02420.1	-0.057	0.176	0.04	0.076
A007265_01	At2g46580	expressed protein; protein id: At2g46580.1	0.063	-0.006	0.1	-0.383
A007266_01	At2g46560	hypothetical protein; protein id: At2g46560.1	0.103	-0.156	-0.121	-0.066
A007268_01	At2g44100	GDP dissociation inhibitor; protein id: At2g44100.1	-0.486	-0.672	-0.281	0.021
A007272_01	At2g38020	putative vacuolar protein sorting-associated protein;	-0.72	NA	-0.828	-0.607
A007273_01	At2g15690	expressed protein; protein id: At2g15690.1	0.499	NA	0.549	1.027
A007274_01	At2g39780	S-like ribonuclease RNS2; protein id: At2g39780.1	-0.456	-0.571	-0.335	-0.543
A007275_01	At2g01540	hypothetical protein; protein id: At2g01540.1	-0.508	NA	-0.286	-0.931
A007277_01	At2g25750	unknown protein; protein id: At2g25750.1	-0.151	-0.229	-0.227	-0.099
A007278_01	At2g42320	unknown protein; protein id: At2g42320.1	0.111	0.238	0.149	0.432
A007279_01	At2g27230	expressed protein; protein id: At2g27230.1	-0.074	NA	0.04	0.14
A007280_01	At2g30950	FtsH protease (VAR2); protein id: At2g30950.1	-0.153	-0.86	-0.775	-0.337
A007281_01	At2g15240	expressed protein; protein id: At2g15240.1	-0.39	-0.003	-0.142	-0.316

A007283_01	At2g24820	putative Rieske iron-sulfur protein; protein id: At2g2	-0.896	-1.346	-0.973	-0.872
A007284_01	At2g19310	putative small heat shock protein; protein id: At2g19	-1.126	NA	-0.633	-1.229
A007285_01	At2g23120	expressed protein; protein id: At2g23120.1	-0.511	-0.652	-0.335	-0.609
A007287_01	At2g16600	cytosolic cyclophilin (ROC3); protein id: At2g16600.	0.525	0.231	0.039	0.051
A007288_01	At2g02160	expressed protein; protein id: At2g02160.1	-0.281	-0.53	-0.599	-0.805
A007290_01	At2g01250	putative ribosomal protein L7; protein id: At2g01250	1.025	0.671	0.745	0.75
A007291_01	At2g22470	arabinogalactan-protein (AGP2); protein id: At2g224	-1.092	-0.591	0.019	-0.681
A007293_01	At2g26500	expressed protein; protein id: At2g26500.1	-0.407	-0.559	-0.142	-0.618
A007294_01	At2g28720	putative histone H2B; protein id: At2g28720.1	-1.206	-1.492	-1.776	-2.608
A007297_01	At2g40600	expressed protein; protein id: At2g40600.1	-0.449	-0.275	0.132	0.022
A007298_01	At2g38610	KH domain protein; protein id: At2g38610.1	-0.373	-0.194	-0.107	-0.354
A007299_01	At2g35470	expressed protein; protein id: At2g35470.1	0.118	-0.149	-0.085	-0.201
A007300_01	At2g44060	similar to late embryogenesis abundant proteins; pr	0.669	0.571	0.55	1.009
A007302_01	At2g31750	putative glucosyltransferase; protein id: At2g31750.	-1.56	-1.364	-0.999	-0.637
A007303_01	At2g21390	coatamer alpha subunit; protein id: At2g21390.1	0.085	0.085	0.071	0.206
A007305_01	At2g28950	expansin, putative; protein id: At2g28950.1	2.086	1.604	1.515	2.389
A007306_01	At2g05100	light-harvesting chlorophyll a/b binding protein; prote	-0.647	-0.718	-0.723	-0.839
A007307_01	At2g39760	expressed protein; protein id: At2g39760.1	0.352	0.133	0.102	0.599
A007309_01	At4g37680	expressed protein; protein id: At4g37680.1	-0.265	-0.051	0.052	0.263
A007310_01	At2g13100	putative membrane transporter; protein id: At2g1310	-0.248	NA	-0.282	-0.174
A007311_01	At2g25900	putative CCCH-type zinc finger protein; protein id: A	-0.915	-0.805	-0.02	-0.149
A007313_01	At2g26730	leucine-rich repeat transmembrane protein kinase, p	1.045	1.201	0.667	1.209
A007314_01	At2g28910	expressed protein; protein id: At2g28910.1	-0.694	-0.746	-0.742	-0.559
A007315_01	At2g18440	unknown protein; protein id: At2g18440.1	-0.945	-1.232	-0.787	-0.537
A007317_01	At2g21960	expressed protein; protein id: At2g21960.1	-0.59	NA	-0.52	-0.656
A007318_01	At2g31390	putative fructokinase; protein id: At2g31390.1	0.775	0.802	0.562	0.682
A007320_01	At2g24790	CONSTANS B-box zinc finger family protein; proteir	-0.309	-0.206	0.001	-0.143
A007322_01	At2g27190	purple acid phosphatase precursor; protein id: At2g;	0.145	-0.304	0.072	0.495
A007324_01	At2g03270	putative helicase; protein id: At2g03270.1	-0.703	NA	NA	0.259
A007325_01	At2g45820	remorin; protein id: At2g45820.1	-1.074	-1.088	-0.537	-1.499
A007327_01	At2g26080	putative glycine dehydrogenase; protein id: At2g260	-0.756	-0.558	-0.292	-0.475
A007331_01	At2g47590	photolyase/blue-light receptor (PHR2); protein id: At	0.787	0.813	0.69	0.84
A007333_01	At2g29540	DNA-directed RNA polymerase 14 kDa subunit (AtF	0.947	0.946	1.041	0.73
A007334_01	At2g14750	putative adenosine phosphosulfate kinase; protein i	-1.112	-1.275	-0.447	-0.919
A007335_01	At2g43680	putative SF16 protein {Helianthus annuus}; protein i	-0.561	-0.94	-0.113	-0.615
A007336_01	At2g28400	hypothetical protein; protein id: At2g28400.1	-2.814	-2.691	-0.69	-1.846
A007338_01	At2g29530	expressed protein; protein id: At2g29530.1	1.087	0.956	0.913	0.749
A007340_01	At2g25570	expressed protein; protein id: At2g25570.1	0.552	0.456	0.511	0.695
A007341_01	At2g38290	putative ammonium transporter; protein id: At2g382	-0.036	-0.033	-0.191	-0.263
A007342_01	At2g17280	unknown protein; protein id: At2g17280.1	1.239	1.168	1.071	1.18
A007347_01	At2g23320	WRKY family transcription factor; protein id: At2g23	-1.612	-1.402	-1.041	-0.557
A007348_01	At2g20990	expressed protein; protein id: At2g20990.1	0.188	0.141	-0.364	-0.03
A007349_01	At2g28430	expressed protein; protein id: At2g28430.1	0.213	0.509	0.405	0.35
A007351_01	At2g33360	hypothetical protein; protein id: At2g33360.1	-0.699	-0.537	-0.757	-0.593
A007353_01	At2g32870	unknown protein; protein id: At2g32870.1	NA	NA	NA	-3.849
A007354_01	At2g33490	unknown protein; protein id: At2g33490.1	-0.505	NA	NA	NA
A007357_01	At2g37190	60S ribosomal protein L12; protein id: At2g37190.1	0.891	0.81	0.982	1.113
A007361_01	At2g20960	pEARL1 4 protein; protein id: At2g20960.1	-0.722	-0.788	-0.596	-0.506
A007362_01	At2g33830	auxin-regulated protein; protein id: At2g33830.1	-2.686	-2.956	-1.836	-2.765
A007363_01	At2g03640	NTF2-containing RNA-binding protein, putative; prot	0.011	0.167	0.107	0.307
A007364_01	At2g03120	expressed protein; protein id: At2g03120.1	0.338	0.049	0.046	0.514
A007365_01	At2g43340	unknown protein; protein id: At2g43340.1	-1.161	NA	-0.095	-0.239
A007366_01	At2g17760	putative chloroplast nucleoid DNA-binding protein; p	-0.86	NA	-0.44	-0.456
A007367_01	At2g36830	putative aquaporin (tonoplast intrinsic protein gamm	0.975	0.804	0.224	0.204
A007370_01	At2g37270	40S ribosomal protein S5; protein id: At2g37270.1	0.613	0.244	0.38	0.191
A007372_01	At2g36530	enolase (2-phospho-D-glycerate hydrolyase); protei	0.237	0.311	0.356	0.629
A007373_01	At2g44650	chloroplast chaperonin 10; protein id: At2g44650.1	0.442	0.673	0.45	0.558
A007375_01	At2g15830	unknown protein; protein id: At2g15830.1	-0.48	-0.192	-0.288	-0.537
A007379_01	At2g43330	putative membrane transporter; protein id: At2g433;	-0.454	-0.356	-0.495	-0.032
A007382_01	At2g35750	snoRNA gene; protein id: At2g35750.1	-0.615	-0.323	-0.025	-0.076
A007383_01	At2g20630	protein phosphatase 2C (PP2C); protein id: At2g206	-0.39	-0.595	-0.74	-1.091
A007384_01	At2g34630	geranyl diphosphate synthase (GPPS)(dimethylallyl	-0.162	-0.13	0.02	0.511
A007385_01	At2g40460	putative PTR2 family peptide transporter; protein id:	-0.623	-1.043	-0.741	-1.011
A007386_01	At2g44150	expressed protein; protein id: At2g44150.1	0.03	-0.249	0.225	0.572
A007387_01	At2g24020	expressed protein; protein id: At2g24020.1	0.819	0.472	0.247	-0.022
A007394_01	At2g27580	putative zinc finger protein; protein id: At2g27580.1	-0.562	NA	-0.001	-0.511
A007395_01	At2g43170	unknown protein; protein id: At2g43170.1	-0.589	-0.341	-0.544	-1.211
A007405_01	At2g03400	unknown protein; protein id: At2g03400.1	-0.401	-0.884	-0.419	-0.422

A007406_01	At2g01710	expressed protein; protein id: At2g01710.1	-0.229	-0.2	0.054	-0.179
A007409_01	At2g38580	hypothetical protein; protein id: At2g38580.1	1.309	0.792	0.667	1.089
A007414_01	At2g30360	putative protein kinase; protein id: At2g30360.1	-0.584	-0.348	-0.179	-0.194
A007422_01	At2g48020	putative sugar transporter; protein id: At2g48020.1	-1.302	-1.162	-0.669	-1.059
A007424_01	At2g33890	overlap between T1B8 and T14G11; protein id: At2g33890.1	-0.622 NA	NA	NA	NA
A007428_01	At2g16990	putative tetracycline transporter protein; protein id: At2g16990.1	0.388	0.458	0.543	0.866
A007429_01	At2g26690	putative nitrate transporter; protein id: At2g26690.1	-2.299 NA		-1.441	-2.529
A007430_01	At2g29700	hypothetical protein; protein id: At2g29700.1	-0.154	0.003	0.195	0.096
A007431_01	At2g28200	putative zinc-finger protein; protein id: At2g28200.1	-1.084	-1.106	-0.337	-0.742
A007433_01	At2g45220	pectinesterase family; protein id: At2g45220.1	-2.747	-3.094	-1.792	-2.946
A007434_01	At2g45770	putative signal recognition particle receptor (alpha subunit); protein id: At2g45770.1	0.295	0.273	0.039	-0.053
A007435_01	At2g45270	putative O-sialoglycoprotein endopeptidase; protein id: At2g45270.1	0.431	0.384 NA		0.346
A007436_01	At2g45340	leucine-rich repeat transmembrane protein kinase; protein id: At2g45340.1	-0.579 NA	NA		0.362
A007438_01	At2g30970	aspartate aminotransferase (AAT1); protein id: At2g30970.1	0.504	0.417	0.207	0.903
A007442_01	At2g39350	ABC transporter family protein; protein id: At2g39350.1	-0.243	0.075	-0.243	0.091
A007445_01	At2g39170	unknown protein; protein id: At2g39170.1	-0.164	-0.08	-0.129	-0.091
A007459_01	At2g44480	glycosyl hydrolase family 1; protein id: At2g44480.1	-0.603 NA	NA		0.081
A007468_01	At2g46700	putative calcium-dependent protein kinase; protein id: At2g46700.1	-0.006 NA	NA		-0.135
A007475_01	At2g05790	glycosyl hydrolase family 17; protein id: At2g05790.1	1.563	1.303	1.235	1.47
A007479_01	At2g26310	hypothetical protein; protein id: At2g26310.1	-0.301	-0.484 NA	NA	NA
A007484_01	At2g26240	unknown protein; protein id: At2g26240.1	-0.246	-0.174	0.213	-0.488
A007485_01	At2g19470	putative casein kinase I; protein id: At2g19470.1	0.259	0.044	-0.105	0.32
A007498_01	At2g17510	putative mitotic control protein dis3; protein id: At2g17510.1	-0.209	-0.164 NA		-0.435
A007499_01	At2g17520	putative protein kinase/endoribonuclease; protein id: At2g17520.1	-0.494	-0.691	-0.713	-0.22
A007502_01	At2g17570	undecaprenyl pyrophosphate synthetase (UPP synthase); protein id: At2g17570.1	-0.969	-0.869 NA	NA	NA
A007508_01	At2g23670	expressed protein; protein id: At2g23670.1	0.364	0.566	0.597	0.108
A007510_01	At2g38850	unknown protein; protein id: At2g38850.1	-0.05	0.179	0.028	0.554
A007513_01	At2g40660	putative methionyl-tRNA synthetase; protein id: At2g40660.1	0.653	0.636	0.685	1.126
A007519_01	At2g40780	putative translation initiation factor; protein id: At2g40780.1	0.455	0.599 NA		0.877
A007520_01	At2g24860	expressed protein; protein id: At2g24860.1	-0.651	-0.403	-0.265	-0.59
A007521_01	At2g15860	unknown protein; protein id: At2g15860.1	0.628	0.437	0.452	0.754
A007522_01	At2g37200	unknown protein; protein id: At2g37200.1	-0.241	-0.097	0.178	-0.368
A007524_01	At2g18100	unknown protein; protein id: At2g18100.1	-0.176	-0.536 NA		-0.583
A007526_01	At2g15900	hypothetical protein; protein id: At2g15900.1	-0.432 NA	NA	NA	NA
A007530_01	At2g03550	putative esterase; protein id: At2g03550.1	-1.416 NA		-0.61	-1.24
A007535_01	At2g15960	expressed protein; protein id: At2g15960.1	-2.596	-2.398	-1.976	-2.646
A007537_01	At2g01350	NADC homolog; protein id: At2g01350.1	-0.06	-0.206	-0.379	-0.259
A007548_01	At2g41090	calcium binding protein (CaBP-22); protein id: At2g41090.1	-1.553	-1.769	-0.723	-1.016
A007549_01	At2g39960	unknown protein; protein id: At2g39960.1	0.32	0.267	0.06	0.071
A007554_01	At2g44680	putative casein kinase II beta subunit; protein id: At2g44680.1	-0.361 NA		-0.182	-0.245
A007555_01	At2g44640	expressed protein; protein id: At2g44640.1	1.156 NA		0.728	1.122
A007564_01	At2g26680	expressed protein; protein id: At2g26680.1	0.791	0.907 NA		0.786
A007565_01	At2g26660	unknown protein; protein id: At2g26660.1	-0.572 NA		-0.166	-0.255
A007567_01	At2g01230	unknown protein; protein id: At2g01230.1	-0.119	-0.036	0.095	0.328
A007573_01	At2g41890	putative receptor-like protein kinase; protein id: At2g41890.1	0.632	0.391 NA		0.495
A007575_01	At2g28540	unknown protein; protein id: At2g28540.1	-0.167	-0.195	-0.078	0.092
A007577_01	At2g42010	phospholipase D (PLDbeta); protein id: At2g42010.1	-0.449	-0.67 NA		-1.109
A007582_01	At2g30470	putative VP1/ABI3 family regulatory protein; protein id: At2g30470.1	-0.149	-0.471 NA		-0.345
A007584_01	At2g30530	expressed protein; protein id: At2g30530.1	-0.54	-0.292	-0.324	-0.433
A007589_01	At2g03510	expressed protein; protein id: At2g03510.1	0.607	0.211	0.074	0.475
A007590_01	At2g23450	putative protein kinase; protein id: At2g23450.1	-2.03	-2.002	-0.897	-1.106
A007593_01	At2g33620	AT-hook DNA-binding protein (AHP1); protein id: At2g33620.1	0.633	0.398	0.43	0.743
A007596_01	At2g23390	hypothetical protein; protein id: At2g23390.1	-0.667 NA		-0.784	-0.698
A007597_01	At2g37480	expressed protein; protein id: At2g37480.1	-0.213	-0.428	-0.178	-0.334
A007599_01	At2g18290	expressed protein; protein id: At2g18290.1	-0.119	-0.11 NA		-0.71
A007600_01	At2g21280	expressed protein; protein id: At2g21280.1	0.569	0.333	0.17	0.062
A007604_01	At2g04795	expressed protein; protein id: At2g04795.1	NA	NA	-2.228 NA	NA
A007606_01	At2g20360	putative NADH-ubiquinone oxidoreductase; protein id: At2g20360.1	0.767	0.165	0.31	0.984
A007616_01	At2g18940	putative salt-inducible protein; protein id: At2g18940.1	0.481	0.471	-0.019	-0.079
A007618_01	At2g38080	laccase (diphenol oxidase), putative; protein id: At2g38080.1	-2.458	-2.382	-1.62	-2.591
A007620_01	At2g31190	expressed protein; protein id: At2g31190.1	0.07	0.22	-0.09	0.155
A007621_01	At2g18600	RUB1-conjugating enzyme, putative; protein id: At2g18600.1	-0.166 NA		-0.008	-0.2
A007622_01	At2g18330	putative AAA-type ATPase; protein id: At2g18330.1	0.98	1.137	0.914	1.742
A007627_01	At2g42220	rhodanese-like domain protein; protein id: At2g42220.1	1.514	0.963	0.437	0.785
A007630_01	At2g17870	putative glycine-rich, zinc-finger DNA-binding protein; protein id: At2g17870.1	-0.314	0.096	0.196	0.121
A007644_01	At2g43900	putative inositol polyphosphate 5'-phosphatase; protein id: At2g43900.1	0.295 NA	NA		0.383
A007646_01	At2g47440	unknown protein; protein id: At2g47440.1	0.126	0.106	0.381	0.877
A007648_01	At2g43950	expressed protein; protein id: At2g43950.1	0.041	-0.128	-0.186	0.038

A007649_01	At2g46620	hypothetical protein; protein id: At2g46620.1	-0.726	-0.449	NA	-0.697
A007651_01	At2g47420	putative dimethyladenosine transferase; protein id: At2g47420.1	-0.097	0.05	0.14	-0.301
A007654_01	At2g44080	unknown protein; protein id: At2g44080.1	-0.517	-1.035	-0.468	-0.813
A007656_01	At2g44130	expressed protein; protein id: At2g44130.1	-2.384	NA	-0.64	-1.098
A007657_01	At2g44140	AtAPG4a; unknown protein; protein id: At2g44140.1	-0.81	-0.673	-0.23	-0.636
A007659_01	At2g41680	putative thioredoxin reductase; protein id: At2g41680.1	0.136	-0.18	NA	-0.005
A007665_01	At2g41600	hypothetical protein; protein id: At2g41600.1	0.048	0.237	0.332	0.457
A007680_01	At2g02630	CHP-rich zinc finger protein, putative; protein id: At2g02630.1	-0.558	-0.45	-0.858	-0.578
A007686_01	At2g40900	putative integral membrane protein nodulin; protein id: At2g40900.1	NA	NA	NA	NA
A007696_01	At2g39400	putative phospholipase; protein id: At2g39400.1	-3.935	NA	-1.902	NA
A007697_01	At2g19160	unknown protein; protein id: At2g19160.1	0.191	0.105	-0.3	0.073
A007702_01	At2g20020	expressed protein; protein id: At2g20020.1	0.486	0.332	0.19	0.067
A007704_01	At2g39570	expressed protein; protein id: At2g39570.1	-0.789	-1.036	-1.082	-1.136
A007709_01	At2g20000	CDC27/NUC2-like protein; protein id: At2g20000.1	0.187	0.125	0.069	0.514
A007714_01	At2g44920	thylakoid lumen pentapeptide repeat family protein; protein id: At2g44920.1	-0.07	0.042	-0.346	-0.756
A007716_01	At2g44850	unknown protein; protein id: At2g44850.1	-0.633	-0.399	NA	0.161
A007723_01	At2g48120	pale cress protein; protein id: At2g48120.1	0.945	0.817	0.729	0.849
A007725_01	At2g45520	expressed protein; protein id: At2g45520.1	0.177	0.121	0.331	0.108
A007727_01	At2g31950	molybdopterin synthase (CNX2); protein id: At2g31950.1	-0.825	NA	-1.247	-0.945
A007730_01	At2g44310	expressed protein; protein id: At2g44310.1	0.325	0.357	0.527	0.322
A007733_01	At2g31410	expressed protein; protein id: At2g31410.1	0.472	0.49	0.455	0.347
A007736_01	At2g48100	expressed protein; protein id: At2g48100.1	-0.146	-0.072	-0.118	-0.193
A007739_01	At2g17120	expressed protein; protein id: At2g17120.1	0.23	NA	0.205	0.282
A007744_01	At2g27810	putative membrane transporter; protein id: At2g27810.1	0.906	0.616	0.499	0.676
A007746_01	At2g40890	cytochrome p450, putative; protein id: At2g40890.1	-1.595	-1.826	-0.915	-1.628
A007749_01	At2g30100	putative unknown protein, leucine-rich repeat; protein id: At2g30100.1	-0.262	NA	0.006	0.45
A007750_01	At2g33480	putative NAM (no apical meristem)-like protein; protein id: At2g33480.1	-2.933	-2.906	-1.698	-2.276
A007753_01	At2g37240	expressed protein; protein id: At2g37240.1	-0.535	-0.823	-0.818	-1.178
A007756_01	At2g41250	hypothetical protein; protein id: At2g41250.1	-1.498	-1.33	-0.479	-0.691
A007757_01	At2g34050	expressed protein; protein id: At2g34050.1	0.456	0.984	0.67	0.857
A007759_01	At2g39630	putative dolichyl-phosphate beta-glucosyltransferase; protein id: At2g39630.1	-0.186	-0.299	0.057	0.076
A007762_01	At2g30720	hypothetical protein; protein id: At2g30720.1	0.17	NA	NA	-0.199
A007765_01	xxxx	b/t expressed protein; protein id: At2g06200.1 and protein id: At2g06200.2	0.049	0.108	NA	0.162
A007766_01	At2g21470	putative ubiquitin activating enzyme; protein id: At2g21470.1	-0.234	-0.217	-0.49	0.151
A007767_01	At2g27920	putative carboxypeptidase; protein id: At2g27920.1	0.013	0.448	-0.271	-0.231
A007768_01	At2g42620	F-box protein ORE9, AtFBL7; protein id: At2g42620.1	-0.669	-0.826	-0.53	-0.708
A007770_01	At2g39660	putative protein kinase; protein id: At2g39660.1	-0.793	NA	-1.304	-1.152
A007776_01	At2g37230	unknown protein; protein id: At2g37230.1	1.111	0.8	0.436	1.333
A007778_01	At2g30110	ubiquitin activating enzyme 1 (UBA1); protein id: At2g30110.1	0.048	0.114	0.237	0.301
A007781_01	At2g21620	auxin-regulated protein; protein id: At2g21620.2	-1.951	-1.706	-1.315	-2.055
A007786_01	At2g36410	expressed protein; protein id: At2g36410.1	-1.079	NA	NA	-0.728
A007791_01	At2g26800	putative hydroxymethylglutaryl-CoA lyase; protein id: At2g26800.1	-0.721	-0.825	-0.727	-0.697
A007792_01	At2g26990	COP9 complex subunit CSN2, putative; protein id: At2g26990.1	0.256	0.106	0.142	0.609
A007793_01	At2g22780	putative glyoxysomal malate dehydrogenase precursor; protein id: At2g22780.1	0.127	0.155	0.101	0.2
A007794_01	At2g01850	xyloglucan endotransglycosylase (EXGT-A3); protein id: At2g01850.1	-1.354	-1.273	-1.112	-1.343
A007795_01	At2g47270	expressed protein; protein id: At2g47270.1	-1.005	-0.578	-0.971	-1.873
A007797_01	At2g32150	putative hydrolase; protein id: At2g32150.1	-2.525	-2.784	-1.252	-1.432
A007798_01	At2g47180	putative galactinol synthase; protein id: At2g47180.1	-0.263	NA	-1.016	-1.617
A007801_01	At2g02570	hypothetical protein; protein id: At2g02570.1	-0.439	-0.684	-0.554	-0.337
A007804_01	At2g40480	hypothetical protein; protein id: At2g40480.1	0.882	1.036	0.648	0.798
A007805_01	At2g31170	putative cysteinyl-tRNA synthetase; protein id: At2g31170.1	0.913	0.821	0.399	0.527
A007806_01	At2g36490	hypothetical protein; protein id: At2g36490.1	0	NA	NA	0.305
A007808_01	At2g21150	putative XAP-5 protein (Homo sapiens); protein id: At2g21150.1	0.082	NA	-0.084	-0.315
A007809_01	At2g38670	putative phospholipid cytidylyltransferase; protein id: At2g38670.1	0.531	0.636	0.182	0.282
A007810_01	At2g38650	expressed protein; protein id: At2g38650.1	-0.042	-0.2	-0.018	0.122
A007811_01	At2g28150	hypothetical protein; protein id: At2g28150.1	0.748	0.868	NA	0.925
A007812_01	At2g23840	unknown protein; protein id: At2g23840.1	-1.371	-1.955	-1.635	-2.534
A007814_01	At2g01620	expressed protein; protein id: At2g01620.1	-0.175	0.196	-0.441	-0.592
A007815_01	At2g43550	putative trypsin inhibitor; protein id: At2g43550.1	1.582	1.478	0.646	0.905
A007816_01	At2g43530	putative trypsin inhibitor; protein id: At2g43530.1	1.571	1.314	0.799	0.724
A007817_01	At2g15620	ferredoxin--nitrite reductase; protein id: At2g15620.1	-0.187	NA	-0.701	-0.349
A007820_01	At2g14560	unknown protein; protein id: At2g14560.1	-2.858	NA	NA	NA
A007823_01	At2g47830	unknown protein; protein id: At2g47830.1	-0.267	0.089	NA	0.146
A007827_01	At2g43710	stearoyl-ACP desaturase; protein id: At2g43710.1	0.134	0.194	0.029	0.228
A007829_01	At2g46360	hypothetical protein; protein id: At2g40440.1	-0.548	-0.165	-1.034	NA
A007830_01	At2g29970	expressed protein; protein id: At2g29970.1	-0.744	-1.261	-1.001	-1.181
A007832_01	At2g03390	unknown protein; protein id: At2g03390.1	-0.535	-0.761	-0.237	-0.135
A007833_01	At2g48010	putative protein kinase; protein id: At2g48010.1	-0.746	NA	NA	NA

A007834_01	At2g40770	putative SNF2/SWI2 family transcription factor; prot	-0.329	NA	NA	NA	
A007835_01	At2g04410	unknown protein; protein id: At2g04410.1	-0.841	-0.632	-0.225	-0.8	
A007836_01	At2g36270	ABA-responsive element binding protein, putative; p	0.16	-0.176	NA	0.216	
A007840_01	At2g38550	putative non-green plastid inner envelope membran	0.584	0.342	0.455	0.316	
A007844_01	At2g36320	expressed protein; protein id: At2g36320.1	-1.848	-1.822	-1.234	-2.036	
A007846_01	At2g26350	putative peroxisome assembly protein PER8; protei	-0.819	-0.437	NA	-0.18	
A007848_01	At2g37110	expressed protein; protein id: At2g37110.1	-0.348	-0.17	0.112	0.163	
A007850_01	At2g11520	putative protein kinase; protein id: At2g11520.1	-0.528	NA	NA	-0.327	
A007852_01	At2g36340	hypothetical protein; protein id: At2g36340.1	-0.101	-0.32	NA	0.072	
A007859_01	At2g45040	putative metalloproteinase; protein id: At2g45040.1	-2.423	NA	NA	NA	
A007860_01	At2g03310	hypothetical protein; protein id: At2g03310.1	-2.241	-2.305	-1.73	-3.621	
A007862_01	At2g43650	unknown protein; protein id: At2g43650.1	0.796	0.359	0.448	0.709	
A007865_01	At2g41960	unknown protein; protein id: At2g41960.1	-0.328	-0.177	-0.101	-0.115	
A007868_01	At2g21230	bZIP family transcription factor; protein id: At2g21230	-0.095	-0.377	-0.042	0.279	
A007870_01	At2g46230	expressed protein; protein id: At2g46230.1	0.359	0.277	0.385	0.62	
A007871_01	At2g44620	acyl carrier protein; protein id: At2g44620.1	0.415	0.29	0.293	0.21	
A007873_01	At2g34040	expressed protein; protein id: At2g34040.1	0.482	0.435	0.24	0.322	
A007875_01	At2g33470	expressed protein; protein id: At2g33470.1	-0.047	-0.262	0.052	-0.073	
A007876_01	At2g40270	putative protein kinase; protein id: At2g40270.1	-1.003	-1.036	-0.643	-0.668	
A007877_01	At2g30390	putative ferrochelatase precursor; protein id: At2g30390	-0.125	0.002	-0.138	-0.285	
A007878_01	At2g33410	heterogeneous nuclear ribonucleoprotein(hnRNP), p	-0.111	0.174	0.043	-0.01	
A007880_01	At2g33390	unknown protein; protein id: At2g33390.1	-0.625	-0.827	-0.463	-0.4	
A007883_01	At2g33240	putative myosin heavy chain; protein id: At2g33240.1	0.347	0.665	0.4	0.152	
A007885_01	At2g17440	unknown protein; protein id: At2g17440.1	-0.597	-0.581	NA	0.074	
A007886_01	At2g25660	unknown protein; protein id: At2g25660.1	-0.579	NA	-0.372	-0.103	
A007891_01	At2g30490	cinnamate-4-hydroxylase; protein id: At2g30490.1	-0.884	-1.172	-0.313	-0.393	
A007892_01	At2g38760	putative annexin; protein id: At2g38760.1	0.471	NA	-0.251	-0.34	
A007893_01	At2g36850	callose synthase (1,3-beta-glucan synthase) family;	-0.604	NA	-0.395	-0.595	
A007894_01	At2g17800	Rac-like GTP-binding protein (ARAC1); protein id: A	0.533	0.63	0.521	1.131	
A007896_01	At2g34590	putative pyruvate dehydrogenase E1 beta subunit; p	0.431	0.501	-0.197	-0.248	
A007897_01	At2g16790	putative gluconokinase; protein id: At2g16790.1	-1.815	NA	NA	NA	
A007898_01	At2g36880	putative s-adenosylmethionine synthetase; protein i	-0.352	-0.314	0.1	0.275	
A007899_01	At2g25560	putative DnaJ protein; protein id: At2g25560.1	-0.347	NA	NA	0.223	
A007901_01	At2g27860	putative dTDP-glucose 4-6-dehydratase; protein id:	0.167	0.519	0.307	0.178	
A007902_01	At2g32260	putative phospholipid cytidyltransferase; protein id:	-0.48	-0.508	-0.148	-0.026	
A007903_01	At2g44050	6,7-dimethyl-8-ribityllumazine synthase precursor; p	0.842	0.662	0.439	0.572	
A007905_01	At2g06050	12-oxophytodienoate reductase (OPR3)(DDE1); pro	0.789	0.752	-0.086	0.295	
A007906_01	At2g01110	TATC-like protein; protein id: At2g01110.1	-0.624	-0.42	-0.432	-0.717	
A007923_01	At2g24500	putative C2H2-type zinc finger protein; protein id: At	0.23	0.17	0.321	0.322	
A007924_01	At2g19640	putative SET-domain transcriptional regulator; prote		0.347	NA	0.581	
A007925_01	At2g46250	hypothetical protein; protein id: At2g46250.1	-0.1	-0.368	NA	-0.024	
A007926_01	At2g42720	hypothetical protein; protein id: At2g42720.1	-0.737	0.405	-0.21	-0.213	
A007929_01	At2g44770	expressed protein; protein id: At2g44770.1	0.876	1.08	0.878	1.216	
A007930_01	At2g39990	26S proteasome regulatory subunit; protein id: At2g	0.441	0.39	0.69	0.993	
A007931_01	At2g26960	myb family transcription factor; protein id: At2g26960	0.345	0.567	0.618	1.021	
A007932_01	At2g13950	CHP-rich zinc finger protein, putative; protein id: At2	NA	NA	NA	-0.554	
A007934_01	At2g40540	putative potassium transporter; protein id: At2g40540	0.542	0.456	0.381	0.736	
A007939_01	At2g38770	unknown protein; protein id: At2g38770.1	0.589	0.361	0.374	0.303	
A007941_01	At2g17380	clathrin assembly protein AP19, small subunit; prote	-0.118	-0.007	0.054	-0.159	
A007942_01	At2g01570	RGA; protein id: At2g01570.1	-0.462	-0.324	-0.27	-0.273	
A007945_01	At2g33610	putative SWI/SNF complex subunit SW13; protein id:	0.132	-0.126	NA	0.429	
A007947_01	At2g15570	putative thioredoxin M; protein id: At2g15570.1	-0.341	-0.008	0.239	-0.099	
A007949_01	At2g24090	putative chloroplast ribosomal protein L35; protein id:	0.943	0.913	0.679	0.87	
A007950_01	At2g46020	putative SNF2 subfamily transcriptional activator; pr	-0.309	-0.447	-0.011	0.09	
A007951_01	At2g21130	cyclophilin (CYP2); protein id: At2g21130.1	0.144	0.039	0.487	0.535	
A007952_01	At2g15580	putative RING-H2 zinc finger protein; protein id: At2	-0.692	-0.617	-0.335	-0.65	
A007953_01	At2g22310	ubiquitin-specific protease 4 (UBP4); protein id: At2	-0.393	-0.003	NA	0.518	
A007954_01	At2g33860	auxin response transcription factor 3 (ETTIN/ARF3)	0.294	0.716	NA	0.377	
A007955_01	At2g24100	expressed protein; protein id: At2g24100.1	-0.869	-0.921	0.165	0.336	
A007959_01	At2g45980	expressed protein; protein id: At2g45980.1	-0.973	-1.027	-0.895	-1.294	
A007961_01	At2g41630	transcription factor IIB (TFIIB); protein id: At2g41630	0.437	0.35	0.307	0.558	
A007964_01	At2g06850	xyloglucan endotransglycosylase (ext/EXGT-A1); pr	1.215	1.05	0.571	0.901	
A007966_01	At2g31800	putative protein kinase; protein id: At2g31800.1	-1.303	-1.588	-1.347	-1.454	
A007967_01	At2g16500	arginine decarboxylase; protein id: At2g16500.1	-0.19	-0.499	-0.205	-0.026	
A007969_01	At2g39270	similar to putative adenylate kinase; protein id: At2g	-0.926	-0.637	-0.147	-0.26	
A007971_01	At2g05320	putative N-acetylglucosaminyltransferase; protein id	-0.535	NA	NA	NA	
A007973_01	At2g37650	putative scarecrow gene regulator; protein id: At2g3	-1.129	NA	NA	NA	
A007974_01	At2g15050	putative lipid transfer protein; protein id: At2g15050.	-1.696	-1.546	-0.859	NA	

A007975_01	At2g22420	putative peroxidase; protein id: At2g22420.1	0.411	0.502	0.798	1.221
A007977_01	At2g18050	histone H1; protein id: At2g18050.1	-3.37	-3.306	-1.817	-2.775
A007981_01	At2g40100	light-harvesting chlorophyll a/b binding protein; prote	0.256	0.573	0.146	-0.035
A007982_01	At2g21520	putative phosphatidylinositol/phosphatidylcholine tra	0.186	0.057	0.048	0.551
A007983_01	At2g04360	hypothetical protein; protein id: At2g04360.1	0.318	0.408 NA		0.23
A007988_01	At2g04520	putative translation initiation factor eIF-1A; protein ic	0.053	-0.219	0.086	-0.08
A007989_01	At2g28320	unknown protein; protein id: At2g28320.1	-0.537 NA	NA		-0.442
A007993_01	At2g31810	putative acetolactate synthase; protein id: At2g3181	-0.984	-1.063	-1.098	-1.088
A007994_01	At2g25910	expressed protein; protein id: At2g25910.1	-0.202	-0.039	-0.106	-0.383
A007998_01	At2g03690	expressed protein; protein id: At2g03690.1	0.148	0.088	0.484	0.467
A008004_01	At2g26570	unknown protein; protein id: At2g26570.1	-0.635	-0.611 NA		-0.741
A008005_01	At2g27840	unknown protein; protein id: At2g27840.1	0.677	0.93	0.968	0.96
A008007_01	At2g14170	putative methylmalonate semi-aldehyde dehydrogenase	-0.501	-0.473	-0.719	-0.728
A008009_01	At2g30980	putative shaggy-like protein kinase dzeta; protein id	0.558	0.655	0.706	0.824
A008010_01	At2g29020	expressed protein; protein id: At2g29020.1	-0.036	-0.075	0.128	0.23
A008012_01	At2g27800	hypothetical protein; protein id: At2g27800.1	0.133	0.094	-0.218	-0.072
A008014_01	At2g20400	unknown protein; protein id: At2g20400.1	-0.352	0.046	-0.255	-0.374
A008017_01	At2g33800	30S ribosomal protein S5; protein id: At2g33800.1	0.895	0.711	0.242	0.478
A008018_01	At2g17130	putative NAD+ dependent isocitrate dehydrogenase	-0.004	0.378 NA		0.323
A008026_01	At2g19540	putative WD-40 repeat protein; protein id: At2g1954	0.04	0.127	0.254	0.898
A008027_01	At2g17420	putative thioredoxin reductase; protein id: At2g1742	0.495	0.376	0.316	0.293
A008033_01	At2g40765	unknown protein; protein id: At2g40765.1	0.262	0.459	0.611	-0.148
A008035_01	At2g35360	hypothetical protein; protein id: At2g35360.1	-0.03	-0.099	0.133	0.075
A008036_01	At2g03150	putative calmodulin; protein id: At2g03150.1	0.242	-0.091	0.152	0.208
A008038_01	At2g33040	mitochondrial F1-ATPase, gamma subunit (ATP3_γ)	0.428	0.581	0.352	0.438
A008039_01	At2g30570	photosystem II reaction center 6.1KD protein; protei	-0.629	-0.54	-0.475	-1.05
A008042_01	At2g03730	putative uridylyl transferase; protein id: At2g03730.1	-1.411	-1.422	-1.307	-1.298
A008043_01	At2g36020	expressed protein; protein id: At2g36020.1	-0.724	-0.244 NA	NA	
A008044_01	At2g02470	putative PHD-type zinc finger protein; protein id: At2	0.003 NA	NA		0.058
A008047_01	At2g26300	G protein alpha subunit 1 (GPA1); protein id: At2g26	-0.212 NA		-0.188	-0.047
A008049_01	At2g40360	putative WD-40 repeat protein; protein id: At2g4036	0.242 NA		0.19	0.638
A008052_01	At2g34680	unknown protein; protein id: At2g34680.1	0.55	0.768	0.709	1.124
A008053_01	At2g04700	putative ferredoxin-thioredoxin reductase; protein id	-0.122	0.171	-0.352	-0.862
A008055_01	At2g02320	hypothetical protein; protein id: At2g02320.1	1.188	1.433	1.28	1.412
A008056_01	At2g38540	putative nonspecific lipid-transfer protein; protein id:	0.902	0.25	1.302	1.712
A008060_01	At2g05210	hypothetical protein; protein id: At2g05210.1	0.793	0.818	0.656	0.746
A008068_01	At2g31130	expressed protein; protein id: At2g31130.1	-1.182	-1.171 NA		-0.732
A008070_01	At2g31740	hypothetical protein; protein id: At2g31740.1	0.481 NA	NA		0.826
A008074_01	At2g29210	putative proline-rich protein; protein id: At2g29210.1	0.035	-0.044 NA		-0.353
A008081_01	At2g33340	putative PRP19-like spliceosomal protein; protein id	0.144	-0.12	0.176	0.411
A008083_01	At2g31040	expressed protein; protein id: At2g31040.1	0.184 NA		-0.586	-0.974
A008087_01	At2g45070	putative transport protein SEC61 beta-subunit; prote	-0.075	0.423	0.407	0.381
A008088_01	At2g02090	helicase, putative; protein id: At2g02090.1	-0.027	-0.229	-0.052	0.631
A008089_01	At2g27510	putative ferredoxin; protein id: At2g27510.1	0.352	0.329	0.772	1.109
A008090_01	At2g27490	unknown protein; protein id: At2g27490.1	-0.191 NA		-0.483	-0.518
A008092_01	At2g11890	expressed protein; protein id: At2g11890.1	0.116	0.303	0.333	0.015
A008094_01	At2g47810	putative CCAAT-box binding transcription factor; prot	0.186	0.888 NA		0.219
A008107_01	At2g17240	expressed protein; protein id: At2g17240.1	0.412	0.622	0.209	-0.202
A008119_01	At2g23950	putative LRR receptor protein kinase; protein id: At2	-0.137	0.04 NA		1.15
A008122_01	At2g26890	unknown protein; protein id: At2g26890.1	-0.45	-0.04	-0.284	0.562
A008127_01	At2g26780	unknown protein; protein id: At2g26780.1	-0.286	-0.212	0.156	0.189
A008130_01	At2g16900	expressed protein; protein id: At2g16900.1	0.407	0.119 NA		0.526
A008131_01	At2g03980	putative GDSL-motif lipase/hydrolase; protein id: At	0.796	0.653	0.793	1.62
A008132_01	At2g29400	phosphoprotein phosphatase-type 1 catalytic subun	-0.333	-0.447	-0.266	-0.23
A008133_01	At2g27600	putative ATPase; protein id: At2g27600.1	0.013	-0.369	-0.027	0.113
A008135_01	At2g16860	expressed protein; protein id: At2g16860.1	-0.267	-0.281	-0.218	-0.091
A008136_01	At2g39840	phosphoprotein phosphatase type 1 catalytic subun	-0.388 NA		-0.197	-0.184
A008137_01	At2g45560	putative cytochrome P450; protein id: At2g45560.1	-0.363 NA	NA	NA	
A008139_01	At2g15790	expressed protein; protein id: At2g15790.1	0.03	-0.194	-0.238	-0.09
A008143_01	At2g27590	expressed protein; protein id: At2g27590.1	0.542	0.565	0.705	1.147
A008148_01	At2g35390	phosphoribosyl pyrophosphate synthetase; protein i	-0.33	-0.307	-0.381	-0.128
A008153_01	At2g26000	hypothetical protein; protein id: At2g26000.1	-0.648 NA	NA	NA	
A008161_01	At2g20230	expressed protein; protein id: At2g20230.1	-1.083	-0.815	-0.488	-0.818
A008164_01	At2g18790	phytochrome B; protein id: At2g18790.1	0.269	0.187 NA		0.314
A008165_01	At2g17290	putative calmodulin-domain protein kinase CPK6; p	-1.119	-0.881 NA		-0.21
A008166_01	At2g31370	bZIP transcription factor (POSF21); protein id: At2g	-0.379	0.008	0.038	0.737
A008170_01	At2g39250	apetala2 family protein (RAP2); protein id: At2g392	0.073 NA	NA		-0.619
A008172_01	At2g01070	unknown protein; protein id: At2g01070.1	0.632	0.572	0.275	0.003

A008173_01	At2g39260	unknown protein; protein id: At2g39260.1	-0.398	-0.281	NA		-0.263
A008179_01	At2g21290	expressed protein; protein id: At2g21290.1	0.05	0.463		0.234	-0.612
A008182_01	At2g25930	unknown protein; protein id: At2g25930.1	-0.536	NA	NA		
A008183_01	At2g26030	F-box protein; protein id: At2g26030.1	-0.99	-0.961		-0.306	-0.683
A008184_01	At2g21340	expressed protein; protein id: At2g21340.1	0.25	0.077		-0.228	0.037
A008191_01	At2g22860	unknown protein; protein id: At2g22860.1	-0.967	-0.579	NA		-0.562
A008198_01	At2g26900	putative Na ⁺ dependent ileal bile acid transporter; p	0.902	0.946		0.51	0.839
A008201_01	At2g34585	expressed protein; protein id: At2g34585.1	-0.033	0.28		0.24	-0.383
A008202_01	At2g21530	unknown protein; protein id: At2g21530.1	0.069	0.177		-0.049	-0.506
A008212_01	At2g23930	putative small nuclear ribonucleoprotein E; protein i	0.548	0.973		0.867	1.032
A008213_01	At2g23940	expressed protein; protein id: At2g23940.1	0.385	0.436		0.351	0.259
A008214_01	At2g07000	unknown protein; protein id: At2g07000.1	-1.753	NA	NA		NA
A008215_01	At2g07040	leucine-rich repeat transmembrane protein kinase, p	-0.243	-0.411	NA		NA
A008218_01	At2g47640	putative small nuclear ribonucleoprotein D2; protein	0.201	0.333		0.315	-0.165
A008221_01	At2g47760	Not56-like protein; protein id: At2g47760.1	0.308	NA		0.188	0.402
A008245_01	At2g35410	chloroplast RNA-binding protein cp33, putative; prot	-0.041	0.55		0.011	-0.338
A008247_01	At2g35510	expressed protein; protein id: At2g35510.1	-0.255	-0.377		-0.471	-0.33
A008251_01	At2g25860	hypothetical protein; protein id: At2g25860.1	-0.396	0.591		-0.376	-0.227
A008252_01	At2g34790	FAD-linked oxidoreductase family; protein id: At2g3 NA		NA	NA		NA
A008254_01	At2g34810	FAD-linked oxidoreductase family; protein id: At2g3	1.16	1.316		0.64	0.952
A008260_01	At2g46000	expressed protein; protein id: At2g46000.1	0.419	0.301	NA		NA
A008262_01	At2g46100	unknown protein; protein id: At2g46100.1	-1.132	-1.167		-0.796	-1.546
A008268_01	At2g46200	hypothetical protein; protein id: At2g46200.1	-0.187	-0.275		-0.061	-0.074
A008270_01	At2g46210	putative fatty acid desaturase/cytochrome b5 fusion	-0.398	-0.328		-0.686	-1.345
A008271_01	At2g40980	unknown protein; protein id: At2g40980.1	0.04	0.258		0.124	0.702
A008272_01	At2g40990	unknown protein; protein id: At2g40990.1	-0.666	NA	NA		NA
A008277_01	At2g20190	unknown protein; protein id: At2g20190.1	-0.263	-0.132		-0.16	-0.166
A008280_01	At2g02120	plant defensin protein, putative (PDF2.1); protein id:	-0.163	-0.268		-0.847	-0.569
A008281_01	At2g42690	putative lipase; protein id: At2g42690.1	-0.726	-0.614		-0.347	0.045
A008283_01	At2g29650	putative Na ⁺ -dependent inorganic phosphate cotrar	-0.762	-0.476		-0.5	-0.571
A008289_01	At2g41710	putative AP2 domain transcription factor; protein id:	-0.146	-0.006		-0.058	-0.219
A008290_01	At2g42780	expressed protein; protein id: At2g42780.1	-0.126	-0.022	NA		0.118
A008291_01	At2g38630	unknown protein; protein id: At2g38630.1	-0.132	0.111	NA		-0.033
A008292_01	At2g01100	expressed protein; protein id: At2g01100.1	-0.21	-0.352		0.241	0.066
A008300_01	At2g10950	expressed protein; protein id: At2g10950.1	-0.516	-0.516		-0.118	0.134
A008301_01	At2g42900	unknown protein; protein id: At2g42900.1	-0.303	0.144		-0.029	0
A008302_01	At2g41230	unknown protein; protein id: At2g41230.1	0.067	0.188		0.123	0.305
A008303_01	At2g05260	expressed protein; protein id: At2g05260.1	-0.455	-0.402		0.01	-0.43
A008305_01	At2g42840	En/Spm-like transposon protein; protein id: At2g428	1.775	1.367		1.719	2.469
A008308_01	At2g39080	unknown protein; protein id: At2g39080.1	0.578	0.502		0.266	0.586
A008310_01	At2g07180	putative protein kinase; protein id: At2g07180.1	0.137	-0.021	NA		-0.06
A008312_01	At2g18730	putative diacylglycerol kinase; protein id: At2g18730	-0.202	-0.316		-0.316	-0.082
A008313_01	At2g29450	glutathione transferase (103-1A); protein id: At2g29	0.108	0.308		0.273	0.084
A008314_01	At2g42770	expressed protein; protein id: At2g42770.1	0.068	0.145		0.175	0.063
A008315_01	At2g18770	putative signal recognition particle receptor beta sub	0.152	0.337		0.219	0.519
A008321_01	At2g47850	unknown protein; protein id: At2g47850.1	0.046	0.336	NA		0.383
A008325_01	At2g39070	unknown protein; protein id: At2g39070.1	0.304	0.337		0.292	0.55
A008326_01	At2g39980	putative anthocyanin 5-aromatic acyltransferase; pr	-0.081	-0.083		-0.164	-0.124
A008327_01	At2g43290	putative calcium binding protein; protein id: At2g432	0.132	0.256		-0.057	-0.032
A008329_01	At2g16800	expressed protein; protein id: At2g16800.1	0.295	0.166		0.201	0.38
A008330_01	At2g24550	expressed protein; protein id: At2g24550.1	-1.251	NA		-1.472	-2.803
A008335_01	At2g34560	katanin like protein	0.762	0.925		0.485	0.766
A008336_01	At2g37490	unknown protein; protein id: At2g37490.1	-0.584	-0.251		-0.433	-0.4
A008338_01	At2g27690	cytochrome p450, putative; protein id: At2g27690.1	0.283	0.345		0.232	0.425
A008339_01	At2g20820	auxin-regulated protein; protein id: At2g20820.2	0.075	0.282		0.107	0.02
A008342_01	At2g47600	putative Na ⁺ /Ca ²⁺ antiporter; protein id: At2g47600	0.009	0.035		-0.5	-0.588
A008350_01	At2g04730	hypothetical protein; protein id: At2g04730.1	0.865	0.986		0.658	0.992
A008351_01	At2g37310	hypothetical protein; protein id: At2g37310.1	0.417	0.525		0.193	0.148
A008356_01	At2g38140	30S ribosomal protein S31; protein id: At2g38140.1	0.679	0.611		0.335	-0.127
A008358_01	At2g04790	hypothetical protein; protein id: At2g04790.1	-0.395	NA	NA		-0.814
A008368_01	At2g39750	expressed protein; protein id: At2g39750.1	-0.129	0.089	NA		0.484
A008372_01	At2g31280	hypothetical protein; protein id: At2g31280.1	-0.424	NA	NA		-1.018
A008377_01	At2g35920	putative ATP-dependent RNA helicase A; protein id	0.076	0.071		-0.17	0.17
A008379_01	At2g25970	KH domain protein; protein id: At2g25970.1	-0.362	NA	NA		0.014
A008381_01	At2g17340	expressed protein; protein id: At2g17340.1	0.251	NA	NA		NA
A008382_01	At2g40190	unknown protein; protein id: At2g40190.1	0.438	0.562		0.279	0.517
A008386_01	At2g05920	subtilisin-like serine protease, putative; protein id: A	0.531	0.448		0.436	0.983
A008390_01	At2g04350	putative acyl-CoA synthetase; protein id: At2g04350	-0.495	-0.541		-0.628	-0.38

A008391_01	At2g05910	unknown protein; protein id: At2g05910.1	-2.537	NA	NA	NA	
A008394_01	At2g21330	putative fructose bisphosphate aldolase; protein id:	-0.705		-0.305	-0.253	-0.572
A008397_01	At2g27680	expressed protein; protein id: At2g27680.1	0.323		0.196	-0.362	-0.432
A008398_01	At2g36000	auxin-regulated protein; protein id: At2g36000.2	0.131		0.325	0.063	-0.017
A008408_01	At2g01690	expressed protein; protein id: At2g01690.1	-0.357	NA		-0.255	-0.376
A008414_01	At2g20150	hypothetical protein; protein id: At2g20150.1	-0.691		0.057	-0.448	-0.178
A008415_01	At2g18550	homeodomain protein; protein id: At2g18550.1	-2.839		-3.09	-0.519	-1.041
A008423_01	At2g40370	laccase (diphenol oxidase), putative; protein id: At2g40370.1		NA	NA	NA	
A008432_01	At2g11910	expressed protein; protein id: At2g11910.1	0.293		0.752	0.499	0.47
A008441_01	At2g32040	expressed protein; protein id: At2g32040.1	-0.494	NA		-0.217	-0.226
A008445_01	At2g43030	50S ribosomal protein L3; protein id: At2g43030.1	0.97		0.762	0.485	0.742
A008446_01	At2g15290	expressed protein; protein id: At2g15290.1	0.625		0.762	0.346	0.362
A008448_01	At2g28290	putative SNF2 subfamily transcription regulator; pro	-0.183		-0.545	0.118	0.894
A008449_01	At2g27340	similar to PIG-L; protein id: At2g27340.1	0.439		0.35	0.518	0.978
A008452_01	At2g39390	60S ribosomal protein L35; protein id: At2g39390.1	0.894		1.134	1.056	0.683
A008453_01	At2g27350	expressed protein; protein id: At2g27350.1	-0.058		-0.478	-0.337	0.067
A008454_01	At2g20730	unknown protein; protein id: At2g20730.1	-0.419		-1.172	-0.744	-1.535
A008459_01	At2g45210	putative auxin-regulated protein; protein id: At2g45210.1	-3.266		-3.27	-2.017	-2.819
A008463_01	At2g16050	hypothetical protein; protein id: At2g16050.1		NA	NA	NA	NA
A008472_01	At2g37040	phenylalanine ammonia lyase (PAL1); protein id: At2g37040.1	-0.712		-1.489	-0.524	-0.564
A008473_01	At2g36130	cyclophilin-like protein; protein id: At2g36130.1	0.075		0.653	0.263	-0.015
A008475_01	At2g18230	putative inorganic pyrophosphatase; protein id: At2g18230.1	0.485		0.43	0.648	1.016
A008481_01	At2g21120	unknown protein; protein id: At2g21120.1	-1.181	NA		-0.986	-0.927
A008483_01	At2g36720	putative PHD-type zinc finger protein; protein id: At2g36720.1	0.21		0.031	-0.026	0.052
A008485_01	At2g28350	auxin response transcription factor; protein id: At2g28350.1	-0.278		-0.202	0.198	0.055
A008486_01	At2g28380	expressed protein; protein id: At2g28380.1	0.503		0.681	0.574	0.59
A008499_01	At2g25500	expressed protein; protein id: At2g25500.1	0.59		0.982	0.237	0.295
A008500_01	At2g35940	BEL1-like homeobox 1 protein (BLH1); protein id: At2g35940.1	-2.221		-2.139	-1.357	-1.898
A008505_01	At2g31710	expressed protein; protein id: At2g31710.1	0.149	NA	NA	NA	NA
A008507_01	At2g22570	expressed protein; protein id: At2g22570.1	-0.304		-0.364	-0.13	-0.547
A008511_01	At2g24290	expressed protein; protein id: At2g24290.1	0.445		0.844	0.642	0.654
A008512_01	At5g18380	putative 40S ribosomal protein S16	0.324		0.483	0.773	0.56
A008514_01	At2g18160	bZIP family transcription factor; protein id: At2g18160.1	-0.401		-0.963	-0.576	-0.284
A008518_01	At2g14890	arabinogalactan-protein (AGP9); protein id: At2g14890.1	-1.899	NA		0.469	0.164
A008520_01	At2g24450	fasciclin-like arabinogalactan-protein, putative (FLA:)	-0.485		-0.725	-0.702	-1.91
A008531_01	At2g03810	hypothetical protein; protein id: At2g03810.1	-0.505	NA		-0.768	-0.416
A008532_01	At2g33150	3-ketoacyl-CoA thiolase; protein id: At2g33150.1	-1.046		-1.532	-0.857	-0.969
A008533_01	At2g46540	expressed protein; protein id: At2g46540.1	0.062		0.369	0.442	0.031
A008534_01	At2g37520	unknown protein; protein id: At2g37520.1	-0.598		-0.748	-0.632	-0.974
A008537_01	At2g03870	putative snRNP splicing factor; protein id: At2g03870.1	-0.084		0.395	0.621	0.498
A008538_01	At2g30440	putative signal peptidase I; protein id: At2g30440.1	-0.998	NA		-0.544	-0.583
A008541_01	At2g40670	putative two-component response regulator protein;	-0.485	NA	NA	NA	NA
A008544_01	At2g04900	expressed protein; protein id: At2g04900.1	-0.491		-0.199	0.14	-0.338
A008545_01	At2g02860	putative sucrose/H ⁺ symporter; protein id: At2g02860.1	0.037		0.088	-0.021	-0.083
A008546_01	At2g19770	profilin 4; protein id: At2g19770.1	-0.549		-0.337	-0.55	-1.587
A008548_01	At2g39770	GDP-mannose pyrophosphorylase; protein id: At2g39770.1	0.673		0.741	0.557	0.69
A008549_01	At2g05990	enoyl-ACP reductase (enr-A); protein id: At2g05990.1	1.608		1.201	1.001	1.599
A008553_01	At2g39470	oxygen-evolving complex 25.6 kD protein, chloropla	0.736		0.708	-0.195	-0.255
A008557_01	At2g04230	F-box protein; protein id: At2g04230.1	-0.479		-0.142	NA	0.281
A008562_01	At2g02990	ribonuclease, RNS1; protein id: At2g02990.1	-3.173		-3.15	-1.106	-1.981
A008564_01	At2g41430	ERD15 protein; protein id: At2g41430.1	-0.462		-0.854	-0.392	-0.613
A008571_01	At2g41410	calmodulin-like protein; protein id: At2g41410.1	-1.007		-0.627	-0.09	-0.639
A008572_01	At2g42280	bHLH protein; protein id: At2g42280.1		NA	NA	-1.212	NA
A008573_01	At2g40300	putative ferritin; protein id: At2g40300.1		NA	0.453	0.057	0.221
A008575_01	At2g45260	hypothetical protein; protein id: At2g45260.1	0.13		0.22	0.266	0.355
A008576_01	At2g46340	putative photomorphogenesis repressor protein; pro	-0.781	NA		-1.195	-0.973
A008578_01	At2g38400	putative beta-alanine-pyruvate aminotransferase; pr	-0.998		-1.222	-0.507	-0.613
A008580_01	At2g37410	putative protein translocase; protein id: At2g37410.1	-0.361		-0.475	-0.035	0.005
A008582_01	At2g36950	expressed protein; protein id: At2g36950.1	-2.895		-2.796	-1.734	-1.881
A008583_01	At2g17250	hypothetical protein; protein id: At2g17250.1	0.809		0.791	0.652	1.226
A008586_01	At2g02040	histidine transport protein (PTR2-B); protein id: At2g02040.1	-1.159		-1.142	-0.318	-0.59
A008587_01	At2g28000	putative rubisco subunit binding-protein alpha subur	1.779		1.247	0.861	1.562
A008588_01	At2g15270	expressed protein; protein id: At2g15270.1	-0.464		0.101	0.384	-0.11
A008589_01	At2g17300	unknown protein; protein id: At2g17300.1	-0.771	NA	NA	NA	NA
A008598_01	At2g18250	hypothetical protein; protein id: At2g18250.1	-0.482		-0.364	0.115	-0.336
A008599_01	At2g29080	putative AAA-type ATPase; protein id: At2g29080.1	0.044		-0.218	-0.254	-0.24
A008601_01	At2g03240	unknown protein; protein id: At2g03240.1	0.285		0.279	0.509	0.915
A008602_01	At2g15970	similar to cold acclimation protein WCOR413 (Tritic	0.378		0.388	0.357	0.113

A008603_01	At2g27170	putative chromosome associated protein; protein id:	0.01	-0.531	-0.11	0.15
A008604_01	At2g37340	unknown protein; protein id: At2g37340.1	-0.766	-0.183	-0.002	-0.221
A008605_01	At2g22990	putative serine carboxypeptidase I; protein id: At2g2	-3.075	-2.656	-2.594	-1.949
A008608_01	At2g47470	putative protein disulfide-isomerase; protein id: At2g	1.36	0.876	0.921	1.365
A008615_01	At2g30510	unknown protein; protein id: At2g30510.1	-0.132	-0.232	-0.556	-0.189
A008616_01	At2g33630	putative steroid dehydrogenase; protein id: At2g336	-0.309 NA		0.098	-0.115
A008621_01	At2g18390	putative ADP-ribosylation factor; protein id: At2g183	0.68	0.859	0.753	0.763
A008622_01	At2g43780	hypothetical protein; protein id: At2g43780.1	0.223	0.755	0.643	0.482
A008627_01	At2g44870	expressed protein; protein id: At2g44870.1	-0.332	-0.422	-0.312	-0.424
A008631_01	At2g38360	unknown protein; protein id: At2g38360.1	0.211 NA		0.53	0.63
A008632_01	At2g43310	hypothetical protein; protein id: At2g43310.1	0.778	0.716	0.583	0.758
A008637_01	At2g43400	putative electron transfer flavoprotein ubiquinone ox	-0.657	-0.76	-0.693	-0.861
A008638_01	At2g43420	putative sterol dehydrogenase; protein id: At2g4342	0.12	-0.18	0.035	0.087
A008639_01	At2g13290	putative N-acetylglucosaminyltransferase; protein id	0.122	-0.582	-0.433	-0.354
A008641_01	At2g45140	putative VAMP-associated protein; protein id: At2g4	-0.096	-0.347	0.094	0.279
A008644_01	At2g44520	putative heme A:farnesyltransferase; protein id: At2	0.283	0.328	0.237	0.388
A008645_01	At2g43460	60S ribosomal protein L38; protein id: At2g43460.1	1.092	0.98	1.044	0.892
A008648_01	At2g43540	expressed protein; protein id: At2g43540.1	-0.855	-0.416	-0.449	-0.898
A008649_01	At2g40430	expressed protein; protein id: At2g40430.1	0.771	0.181	0.372	0.72
A008651_01	At2g40490	putative uroporphyrinogen decarboxylase; protein id	0.614	0.516	-0.181	0.08
A008652_01	At2g46470	OXA1 protein (OXA1p), putative; protein id: At2g464	0.755	1.055	0.624	1.379
A008653_01	At2g47210	hypothetical protein; protein id: At2g47210.1	-0.083	-0.151	-0.142	-0.167
A008654_01	At2g35260	expressed protein; protein id: At2g35260.1	-0.58	-0.762	-0.638	-0.72
A008655_01	At2g40800	unknown protein; protein id: At2g40800.1	1.053	1.007	0.594	1.04
A008657_01	At2g47380	putative cytochrome c oxidase Vc subunit; protein id	0.036	0.16	0.323	-0.071
A008658_01	At2g29630	putative thiamin biosynthesis protein; protein id: At2	-0.522	-0.484	-0.863	-0.422
A008660_01	At2g30250	WRKY family transcription factor; protein id: At2g30	-2.112 NA	NA	NA	
A008663_01	At2g41840	40S ribosomal protein S2; protein id: At2g41840.1	0.511	0.567	0.647	0.883
A008664_01	At2g45170	AtAPG8e; putative microtubule-associated protein; |	-1.73	-2.076	-1.452	-1.359
A008667_01	At2g46030	E2, ubiquitin-conjugating enzyme 6 (UBC6); protein	-1.393	-1.585	-0.692	-1.219
A008668_01	At2g37860	unknown protein; protein id: At2g37860.1	1.016	0.917	0.785	1.339
A008670_01	At2g17020	F-box protein family, AtFBL10; protein id: At2g1702	0.008 NA	NA		-0.464
A008673_01	At2g30660	3-hydroxyisobutyryl-coenzyme A hydrolase; protein	-1.226	-1.476	-0.803	-1.134
A008676_01	At2g30710	expressed protein; protein id: At2g30710.1	0.138	0.155	0.171	0.654
A008682_01	At2g39670	expressed protein; protein id: At2g39670.1	0.807	0.864	0.657	1.11
A008685_01	At4g34070	putative protein; protein id: At4g34070.1	-0.959	-0.601	-0.451	-0.177
A008686_01	At2g45440	putative dihydrodipicolinate synthase; protein id: At	0.388	0.646	0.54	0.895
A008692_01	At2g15890	expressed protein; protein id: At2g15890.1	-1.495	-1.334	-2.329	-2.762
A008693_01	At2g25110	expressed protein; protein id: At2g25110.1	0.632	0.812	0.687	0.671
A008699_01	At2g44900	F-box protein family, AtFBX5; protein id: At2g44900	0.401 NA	NA	NA	
A008703_01	At2g39970	36 kDa-peroxisomal membrane protein (PMP36); pr	-0.315	-0.498	0.123	0.17
A008707_01	At2g45180	expressed protein; protein id: At2g45180.1	-0.502	-0.328	-0.698	-1.811
A008720_01	At2g47390	unknown protein; protein id: At2g47390.1	0.284	0.257	0.011	0.056
A008721_01	At2g13540	putative cap-binding protein; protein id: At2g13540.	0.479	0.456	0.169	0.322
A008722_01	At2g18700	putative trehalose-6-phosphate synthase; protein id	-2.04	-2.24	-1.436	-1.654
A008726_01	At2g25950	expressed protein; protein id: At2g25950.1	0.297	0.619	0.273	0.434
A008727_01	At2g41650	unknown protein; protein id: At2g41650.1	1.216	1.077	1.254	1.118
A008728_01	At2g02720	putative pectate lyase; protein id: At2g02720.1	-0.355	-0.651 NA		-1.349
A008731_01	At2g28900	putative membrane channel protein; protein id: At2g	1.145	0.918	0.812	0.677
A008733_01	At2g17450	putative RING zinc finger protein; protein id: At2g17	-1.022	-1.198	-0.465	-1.658
A008735_01	At2g33730	U5 small nuclear ribonucleoprotein, putative; proteir	0.057	-0.475	-0.621	-0.578
A008737_01	At2g40290	putative eukaryotic translation initiation factor 2 alph	0.45	-0.008	0.326	0.366
A008739_01	At2g42230	hypothetical protein; protein id: At2g42230.1	-0.168 NA	NA		0.458
A008742_01	At2g33380	RD20 protein; protein id: At2g33380.1	-2.119	-2.458	-0.759	-0.178
A008748_01	At2g41870	putative DNA binding protein; protein id: At2g41870	-1.891 NA	NA	NA	
A008752_01	At2g27100	expressed protein; protein id: At2g27100.1	-0.147 NA	NA		-0.532
A008753_01	At2g41950	hypothetical protein; protein id: At2g41950.1	0.837	0.716	0.668	1.021
A008755_01	At2g23310	putative integral membrane protein; protein id: At2g NA	NA		0.09	-0.172
A008758_01	At2g37550	putative ADP ribosylation factor 1 GTPase activatin;	0.348	0.567	0.219	0.58
A008759_01	At2g42700	unknown protein; protein id: At2g42700.1	0.195	0.102	-0.018	0.456
A008762_01	At2g42040	expressed protein; protein id: At2g42040.1	-0.653	-0.193	-0.082	-0.505
A008763_01	At2g47320	putative peptidyl-prolyl cis-trans isomerase; protein	0.602	0.83	0.492	0.862
A008764_01	At2g42070	expressed protein; protein id: At2g42070.1	-0.027 NA	NA		0.044
A008775_01	At2g32980	expressed protein; protein id: At2g32980.1	0.453	0.146	0.502	0.418
A008776_01	At2g30580	putative C3HC4 zinc finger protein; protein id: At2g	-0.16	-0.109	-0.129	0.038
A008783_01	At2g23150	putative metal ion transporter (NRAMP); protein id: .	-0.857	-0.746	-0.234	-0.318
A008784_01	At2g25010	expressed protein; protein id: At2g25010.1	-0.303	0.014 NA		0.27
A008790_01	At2g34720	putative CCAAT-binding transcription factor subunit	-0.798	-0.876	0.176	0.349

A008793_01	At2g34730	putative myosin heavy chain; protein id: At2g34730.	-0.48	-0.662	-0.424	-0.166
A008794_01	At2g34750	unknown protein; protein id: At2g34750.1	-0.363	-0.23	-0.148	-0.455
A008795_01	At2g04690	unknown protein; protein id: At2g04690.1	-1.114	-1.034	-0.412	-0.612
A008798_01	At2g44530	putative phosphoribosyl pyrophosphate synthetase;	0.206	0.1	0.198	0.335
A008800_01	At2g43130	ras-related GTP-binding protein (ARA-4); protein id:	0.094	0.118	-0.242	-0.104
A008801_01	At2g41120	hypothetical protein; protein id: At2g41120.1	-0.651	0.013	-0.448	-0.086
A008803_01	At2g22970	putative serine carboxypeptidase II; protein id: At2g;	-0.742	-0.94	-0.845	0.006
A008805_01	At2g23080	putative casein kinase II catalytic (alpha) subunit; pi	-0.194	-0.266	0.044	0.472
A008807_01	At2g46860	putative inorganic pyrophosphatase; protein id: At2c	-0.658	-0.901	-1.009	-1.349
A008810_01	At2g46870	putative RAV-like B3 domain DNA binding protein; p	-0.089	-0.041	0.166	-0.383
A008813_01	At2g44710	RRM-containing protein; protein id: At2g44710.1	-0.354	-0.039 NA		-0.021
A008814_01	At2g46900	expressed protein; protein id: At2g46900.1	-0.359	-0.412	-0.421	-0.458
A008818_01	At2g41100	calmodulin-like protein; protein id: At2g41100.1	-1.581	-1.906	-1.566	-1.709
A008819_01	At2g47050	putative pectinesterase; protein id: At2g47050.1	-0.576	-0.751	-0.592	-1.138
A008821_01	At2g43141	snoRNA gene At2g43141	0.827	0.795	0.88	1.556
A008827_01	At2g01470	putative protein transport protein SEC12p; protein ic	-0.42	-0.309	-0.138	0.511
A008830_01	At2g22480	putative pyrophosphate--fructose-6-phosphate 1-ph	-0.194	-0.459	0.126	0.996
A008835_01	At2g43760	putative molybdopterin synthase large subunit; prot	-0.174	-0.095	0.307	0.189
A008838_01	At2g23780	putative RING zinc finger protein; protein id: At2g23	-0.576 NA		-0.105	-0.356
A008840_01	At2g45620	expressed protein; protein id: At2g45620.1	-0.107	-0.319	-0.512	-0.602
A008842_01	At2g42910	putative ribose phosphate pyrophosphokinase; prot	0.438	0.524	0.491	0.706
A008846_01	At2g21600	AtRer1B; protein id: At2g21600.1	-0.04 NA		0.192 NA	
A008847_01	At2g40700	DEAD/DEAH box RNA helicase protein, putative; pr	0.116 NA		0.519	1.196
A008855_01	At2g42740	60S ribosomal protein L11B; protein id: At2g42740.	0.632	0.631	0.577	0.744
A008857_01	At2g32690	unknown protein; protein id: At2g32690.1	1.457	1.076	0.763	1.128
A008858_01	At2g26230	putative uricase subunit; protein id: At2g26230.1	-0.756	-0.993	-0.235	-0.105
A008860_01	At2g32710	Kip-related protein 4; protein id: At2g32710.1	-0.312 NA	NA		-0.444
A008861_01	At2g32720	putative cytochrome b5; protein id: At2g32720.1	0.573	0.217	0.758	0.697
A008862_01	At2g32730	26S proteasome regulatory subunit (RPN2), putativ	0.871	0.351	0.243	0.138
A008863_01	At2g32810	glycosyl hydrolase family 35 (beta-galactosidase); p	0.848	0.408	-0.025	0.313
A008865_01	At2g41110	calmodulin (cam2); protein id: At2g41110.1	-0.219	-0.019	0.038	0.01
A008867_01	At2g37770	aldo/keto reductase family; protein id: At2g37770.1	-0.081 NA		-1.753 NA	
A008872_01	At3g28920	unknown protein; protein id: At3g28920.1	-0.104	0.274	0.416	0.208
A008873_01	At3g04070	NAM-like protein (no apical meristem); protein id: Ai	-3.094	-3.171	-1.675	-1.945
A008874_01	At3g17205	hypothetical protein; protein id: At3g17205.1	-0.154	-0.242	-0.023	0.268
A008877_01	At3g24170	glutathione reductase, putative; protein id: At3g241;	-0.329	-0.585	-0.168	-0.11
A008878_01	At3g18140	WD-repeat protein, putative; protein id: At3g18140.	-0.161	0.02	0.002	0.507
A008880_01	At3g59300	putative protein; protein id: At3g59300.1	0.131	0.092 NA		0.196
A008881_01	At3g02180	expressed protein; protein id: At3g02180.1	0.933	0.756	0.802	0.553
A008882_01	At3g53490	putative protein; protein id: At3g53490.1	-0.558	-0.562	-0.346	-0.732
A008883_01	At3g51010	expressed protein; protein id: At3g51010.1	0.709	1.076	0.928	0.725
A008889_01	At3g19910	expressed protein; protein id: At3g19910.1	0.469 NA		-0.803	-1.017
A008890_01	At3g20800	putative cell differentiation protein; protein id: At3g2	0.183	0.035	0.319	0.387
A008896_01	At3g55920	cyclophilin-like protein; protein id: At3g55920.1	0.574	0.587	0.311	0.257
A008899_01	At3g44850	putative protein; protein id: At3g44850.1	0.413	0.416 NA		0.551
A008904_01	At3g62870	60S RIBOSOMAL PROTEIN L7A protein; protein id	0.854	0.959	0.899	1.205
A008906_01	At3g46620	putative protein; protein id: At3g46620.1	-0.815	-0.571	-0.077	-0.456
A008909_01	At3g26900	putative shikimate kinase; protein id: At3g26900.1	0.052	0.048	-0.384	-0.591
A008913_01	At3g03920	putative GAR1 protein; protein id: At3g03920.1	0.671	0.594	0.616	0.783
A008919_01	At3g48240	putative protein; protein id: At3g48240.1	-1.15 NA	NA		0.832
A008920_01	At3g17160	unknown protein; protein id: At3g17160.1	1.36	1.168	1.127	1.279
A008922_01	At3g52100	putative protein; protein id: At3g52100.1	-0.097	-0.238	0.193	-0.565
A008924_01	At3g62230	putative protein; protein id: At3g62230.1	-0.569	-0.744	-1.471	-1.184
A008926_01	At3g51800	putative nuclear DNA-binding protein G2p; protein ic	0.954	0.81	0.71	0.831
A008929_01	At3g62300	putative protein; protein id: At3g62300.1	0.791	0.682 NA		0.975
A008933_01	At3g49530	NAC2-like protein; protein id: At3g49530.1	-0.307	-0.141	0.086	0.288
A008934_01	At3g20050	t-complex polypeptide 1 homologue; protein id: At3c	0.757	0.621	0.573	1.045
A008936_01	At3g63420	putative protein; protein id: At3g63420.1 NA		-0.059	0.011	-0.383
A008937_01	At3g53020	60S ribosomal protein - like; protein id: At3g53020.1	0.657	0.547	0.624	0.637
A008938_01	At3g57410	villin 3 fragment; protein id: At3g57410.1	-0.5 NA		-0.676	-1.173
A008939_01	At3g63400	cyclophilin -like protein; protein id: At3g63400.1	0.218	0.169	-0.111	0.3
A008944_01	At3g22300	putative 40S ribosomal protein S10; protein id: At3g	0.732	0.968	0.963	1.397
A008945_01	At3g28970	unknown protein; protein id: At3g28970.1	0.008	-0.05	0.161	0.368
A008949_01	At3g26560	ATP-dependent RNA helicase, putative; protein id: ;	-0.123	0.001	0.387	0.795
A008950_01	At3g11900	putative amino acid transporter protein; protein id: A	0.071	-1.096	-0.533	-1.263
A008952_01	At3g09150	auxin-regulated protein; protein id: At3g09150.2	0.008	0.176	0.211	0.703
A008953_01	xxxx	b/t putative protein; protein id: At5g02240.1 and rib	-0.027	-0.317	-0.14	-0.383
A008955_01	At3g28830	hypothetical protein; protein id: At3g28830.1	0.393	-0.497	-0.676	-0.191

A008958_01	At3g61180	putative protein; protein id: At3g61180.1	-0.604	-0.602	-1.1	-0.908
A008961_01	At3g02150	expressed protein; protein id: At3g02150.1	-1.169	-1.517	-1.614	-1.071
A008963_01	At3g12740	membrane protein common family; protein id: At3g1	-0.829	-1.172	-0.537	-0.315
A008965_01	At3g55770	transcription factor L2; protein id: At3g55770.1	-0.672	-0.752	-0.49	-0.396
A008967_01	At3g54670	structural maintenance of chromosomes (SMC) - lik	-0.253	-0.635	0.096	0.347
A008969_01	At3g63130	RAN GTPase activating protein 1 protein; protein id	0.647	0.771	0.748	1.507
A008972_01	At3g28780	histone-H4-like protein; protein id: At3g28780.1	-0.554 NA	NA	NA	
A008973_01	At3g57630	RAN GTPase activating protein 1 protein; protein id	-0.22 NA	NA	NA	
A008974_01	At3g07670	putative ribulose-1,5-bisphosphate carboxylase oxy	-0.17	0.146	-0.126	0.509
A008975_01	At3g53920	sigma factor SigC; protein id: At3g53920.1	-0.195	-0.508	-0.246	-0.171
A008980_01	At3g57080	putative protein; protein id: At3g57080.1	0.121	0.447	0.486	0.836
A008981_01	At3g04580	putative ethylene receptor (EIN4); protein id: At3g04	0.456	0.251	-0.144	0.073
A008983_01	At3g07090	unknown protein; protein id: At3g07090.1	-0.229	-0.332	0.685	0.689
A008984_01	At3g12150	unknown protein; protein id: At3g12150.1	0.032 NA	NA		0.029
A008985_01	At3g07310	expressed protein; protein id: At3g07310.1	-1.022	-1.004	-0.329	-0.639
A008988_01	At3g25530	expressed protein; protein id: At3g25530.1	0.814	0.552	0.432	0.657
A008989_01	At3g29290	hypothetical protein; protein id: At3g29290.1	-0.428	-0.556	-0.629	-0.221
A008992_01	At3g51610	putative protein; protein id: At3g51610.1	-0.118	-0.167	-0.037	-0.043
A008995_01	At3g20060	E2, ubiquitin-conjugating enzyme, putative; protein i	-0.546	-0.94	-0.37	-0.76
A008997_01	At3g61200	putative protein; protein id: At3g61200.1	-0.672 NA		-0.408	-1.139
A008999_01	At3g05500	stress related protein, putative; protein id: At3g0550	0.106	0.366	0.433	0.319
A009005_01	At3g12130	KH domain/zinc finger protein; protein id: At3g12130	-0.039	0.152	0.177	0.315
A009011_01	At3g22640	expressed protein; protein id: At3g22640.1	-2.14 NA		-0.877	-1.133
A009014_01	At3g09805	putative isocitrate dehydrogenase (NAD+); protein id	0.355	0.236	0.508	0.811
A009016_01	At3g22310	putative RNA helicase; protein id: At3g22310.1	0.511	0.632	0.665	0.561
A009021_01	At3g45620	putative protein; protein id: At3g45620.1	-0.22	-0.288 NA	NA	
A009022_01	At3g09770	expressed protein; protein id: At3g09770.1	-0.422	-0.887	-0.306	-0.799
A009026_01	At3g62240	putative zinc-finger protein; protein id: At3g62240.1	-0.285 NA	NA		-0.483
A009028_01	At3g22960	pyruvate kinase, putative; protein id: At3g22960.1	0.523	0.251	0.225	0.65
A009031_01	At3g56340	40S ribosomal protein S26 homolog; protein id: At3g	0.945	0.796	0.882	0.639
A009033_01	At3g22950	ADP-ribosylation factor, putative; protein id: At3g22	-0.009	0.021	0.282	0.185
A009036_01	At3g07360	expressed protein; protein id: At3g07360.1	0.005	-0.197	-0.031	0.208
A009037_01	At3g62720	alpha galactosyltransferase-like protein; protein id: /	0.541	0.42	0.189	-0.219
A009044_01	At3g62710	glycosyl hydrolase family 3; protein id: At3g62710.1	-0.535	-0.263 NA	NA	
A009049_01	At3g27300	glucose-6-phosphate 1-dehydrogenase, putative; pr	0.156	0.208 NA		0.018
A009052_01	At3g24430	mrp protein, putative; protein id: At3g24430.1	0.397	0.118	0.076	0.394
A009055_01	At3g56180	putative protein; protein id: At3g56180.1	-0.212 NA	NA	NA	
A009056_01	At3g29180	expressed protein; protein id: At3g29180.1	-0.168	-0.367	-0.315	0.19
A009060_01	At3g07100	putative Sec24-like COPII protein; protein id: At3g07	0.038	-0.241	-0.077	-0.257
A009064_01	At3g56140	chloroplast lumen common protein family; protein id	-0.946	-0.668	-1.127	-0.514
A009072_01	At3g16785	phospholipase D zeta1 (5' fragment); protein id: At3	-0.737	-0.588 NA		-0.323
A009073_01	At3g59090	putative protein; protein id: At3g59090.1	-0.273 NA	NA		-0.05
A009076_01	At3g02050	putative potassium transporter; protein id: At3g0205	-0.063	0.17	0.149	0.442
A009077_01	At3g25690	unknown protein; protein id: At3g25690.1	-1.305	-1.159	-1.039	-1.203
A009081_01	At3g11380	hypothetical protein; protein id: At3g11380.1	-0.629	-0.595	-0.702	-1.008
A009087_01	At3g45140	lipxygenase AtLOX2; protein id: At3g45140.1	1.42	0.947	-0.017	0.757
A009088_01	At3g04910	putative mitogen activated protein kinase kinase; pr	-1.141	-1.272	-0.597	-0.539
A009095_01	At3g26744	bHLH protein; protein id: At3g26744.1	0.265	0.268	0.253	0.419
A009099_01	At3g51460	putative protein; protein id: At3g51460.1	-0.066	-0.011	0.007	0.061
A009102_01	At3g62530	putative protein; protein id: At3g62530.1	0.778	0.379	0.447	0.88
A009105_01	At3g09830	putative protein kinase; protein id: At3g09830.1	-1.791 NA	NA		-1.555
A009106_01	At3g22200	aminotransferase, putative; protein id: At3g22200.1	-0.558	-0.152	-0.284	-0.299
A009107_01	At3g57520	glycosyl hydrolase family 36; protein id: At3g57520.	-0.868	-0.999	-0.628	-0.496
A009112_01	At3g51950	putative protein; protein id: At3g51950.1	-0.998	0.256 NA		0.918
A009113_01	At3g55480	AP3-complex beta-3A adaptin subunit-like protein; p	0.2	0.222	0.081	0.589
A009114_01	At3g17210	expressed protein; protein id: At3g17210.1	0.291	0.098	-0.23	-0.785
A009121_01	At3g63210	putative protein; protein id: At3g63210.1	-0.942 NA		0.075	-1.149
A009127_01	At3g12930	expressed protein; protein id: At3g12930.1	0.86	0.999	0.503	0.539
A009134_01	At3g16620	putative GTP-binding protein; protein id: At3g16620	0.419	0.414 NA		0.526
A009138_01	At3g14350	leucine-rich repeat transmembrane protein kinase, p	0.74	0.649	0.286	0.487
A009139_01	At3g51600	non-specific lipid transfer protein; protein id: At3g51	-0.57	-0.454	-1.081	-1.082
A009145_01	At3g16220	hypothetical protein; protein id: At3g16220.1	-0.719	-1.406	-0.729	-0.766
A009147_01	At3g18130	protein kinase C-receptor/G-protein, putative; protei	1.306	0.993	1.133	1.568
A009148_01	At3g16250	putative 2Fe-2S iron-sulfur cluster protein; protein ic	0.475	0.476	0.16	-0.155
A009151_01	At3g14860	hypothetical protein; protein id: At3g14860.1	-0.034 NA	NA		0.071
A009152_01	At3g16310	expressed protein; protein id: At3g16310.1	0.386	0.316	0.255	0.207
A009153_01	At3g54800	putative protein; protein id: At3g54800.1	0.99	-0.653 NA	NA	
A009156_01	At3g14850	hypothetical protein; protein id: At3g14850.1	0.224	-0.076 NA	NA	

A009163_01	At3g25470	hemolysin, putative; protein id: At3g25470.1	0.532	0.336	0.098	0.218
A009165_01	At3g26100	expressed protein; protein id: At3g26100.1	-1.401	-1.496	-0.178	-0.218
A009169_01	At3g27025	pseudogene, unknown protein At3g27025	NA	NA	NA	NA
A009176_01	At3g23080	expressed protein; protein id: At3g23080.1	-0.356	-0.447	-0.603	-1.122
A009182_01	At3g21290	expressed protein; protein id: At3g21290.1	-0.088	-0.359	NA	NA
A009187_01	At3g28270	At14a; protein id: At3g28270.1	-3.122	-3.734	-1.873	-2.057
A009189_01	At3g28230	unknown protein; protein id: At3g28230.1	0.324	0.647	NA	0.972
A009196_01	At3g55010	phosphoribosylformylglycinamide cyclo-ligase pre-	0.592	0.787	0.79	1.165
A009203_01	At3g50790	putative LEA protein; protein id: At3g50790.1	-0.048	NA	-0.107	-0.34
A009205_01	At3g01470	homeobox-leucine zipper protein HAT5 (HD-ZIP prc	-1.325	-1.31	NA	NA
A009221_01	At3g63310	putative protein; protein id: At3g63310.1	-1.097	-1.227	-0.369	-0.771
A009227_01	At3g15360	thioredoxin m4; protein id: At3g15360.1	-0.743	-0.512	-0.667	-0.707
A009233_01	At3g43120	indole-3-acetic acid induced protein, related; protein	-0.775	-0.385	NA	NA
A009248_01	At3g20910	CCAAT-binding factor B chain, putative; protein id: ,	-0.542	NA	NA	-0.405
A009255_01	At3g22240	expressed protein; protein id: At3g22240.1	0.349	0.413	0.72	0.098
A009256_01	At3g04840	putative 40S ribosomal protein S3A (S phase specif	0.776	0.692	0.738	1.275
A009257_01	At3g62330	putative protein; protein id: At3g62330.1	-0.075	-0.395	NA	0.233
A009260_01	At3g58780	MADS-box protein; protein id: At3g58780.1	0.264	0.337	0.32	0.221
A009262_01	At3g42830	RING-box protein Roc1/Rbx1/Hrt1, putative; protein	0.648	0.08	0.306	-0.247
A009270_01	At3g52640	A.t. AT3g29320/MUO10_2 mRNA, complete cds	0.508	0.655	NA	0.321
A009272_01	At3g24500	ethylene-responsive transcriptional coactivator, puta	-1.326	-0.846	-0.031	-0.209
A009273_01	At3g24590	chloroplast thylakoidal processing peptidase, putativ	0.27	0.238	0.26	0.093
A009281_01	At3g22290	unknown protein; protein id: At3g22290.1	0.239	NA	-0.239	-0.212
A009282_01	At3g22330	putative RNA helicase; protein id: At3g22330.1	0.396	0.346	0.389	0.05
A009284_01	At3g01640	expressed protein; protein id: At3g01640.1	0.242	0.495	0.018	0.249
A009289_01	At3g17670	hypothetical protein; protein id: At3g17670.1	-0.44	-0.316	0.181	-0.439
A009293_01	At3g48880	F-box protein family; protein id: At3g48880.2	NA	-0.668	-0.191	-0.622
A009296_01	At3g27090	gda-1, putative; protein id: At3g27090.1	-0.962	-1.227	-0.624	-0.569
A009303_01	At3g16520	putative glucosyltransferase; protein id: At3g16520.	-0.639	-0.723	-0.545	-0.466
A009305_01	At3g22750	expressed protein; protein id: At3g22750.1	-1.05	NA	-1.1	-1.06
A009307_01	At3g53890	40S ribosomal protein S21 homolog; protein id: At3g	1.076	0.847	0.884	1.421
A009309_01	At3g53930	AtAPG1b; putative protein; protein id: At3g53930.1	-0.64	-0.679	NA	-0.425
A009312_01	At3g07880	putative RHO GDP-dissociation inhibitor 1; protein i	-0.11	-0.013	-0.134	-0.351
A009325_01	At3g29320	glucan phosphorylase, putative; protein id: At3g293	1.592	1.429	0.759	1.482
A009328_01	At3g56880	putative protein; protein id: At3g56880.1	-1.875	-1.461	-0.108	-0.704
A009340_01	At3g18760	expressed protein; protein id: At3g18760.1	1.273	1.231	1.176	1.173
A009343_01	At3g54440	expressed protein; protein id: At3g54440.1	-0.424	-0.527	-0.673	-0.598
A009348_01	At3g29185	hypothetical protein; protein id: At3g29185.1	0.243	0.062	0.02	0.303
A009353_01	At3g27890	NADPH:quinone oxidoreductase (NQR); protein id: .	-0.498	-0.239	-0.203	-0.151
A009354_01	At3g54620	expressed protein; protein id: At3g54620.1	-0.758	-0.905	-0.634	-0.4
A009368_01	At3g51420	strictosidine synthase-related; protein id: At3g51420	-1.243	-1.14	-0.868	-1.006
A009369_01	At3g46210	putative protein; protein id: At3g46210.1	0.339	0.322	0.658	1.031
A009370_01	At3g46220	putative protein; protein id: At3g46220.1	0.199	-0.282	NA	-0.034
A009371_01	At3g51550	receptor-protein kinase-like protein; protein id: At3g	-0.112	0.032	-0.437	-0.791
A009375_01	At3g51620	putative protein; protein id: At3g51620.1	-0.729	-0.664	NA	-0.095
A009377_01	At3g60850	putative protein; protein id: At3g60850.1	-0.059	NA	NA	-0.923
A009378_01	At3g27820	monodehydroascorbate reductase, putative; protein	-1.308	-1.194	-0.969	-1.228
A009380_01	At3g59150	putative protein; protein id: At3g59150.1	-0.614	-0.546	NA	0.02
A009390_01	At3g26070	unknown protein; protein id: At3g26070.1	0.015	-0.098	-0.071	-0.065
A009396_01	At3g14910	hypothetical protein; protein id: At3g14910.1	-1.058	NA	NA	NA
A009398_01	At3g59400	putative protein; protein id: At3g59400.1	-0.466	-0.119	-0.156	-0.517
A009399_01	At3g14920	hypothetical protein; protein id: At3g14920.1	-0.177	-0.41	-0.309	-0.24
A009402_01	At3g19340	unknown protein; protein id: At3g19340.1	-0.567	NA	NA	-0.004
A009409_01	At3g15050	hypothetical protein; protein id: At3g15050.1	-1.01	NA	NA	NA
A009410_01	At3g60810	putative protein; protein id: At3g60810.1	-0.612	0.584	-0.319	0.198
A009411_01	At3g23690	bHLH protein; protein id: At3g23690.1	-0.036	0.081	-0.238	-0.824
A009413_01	At3g12880	hypothetical protein; protein id: At3g12880.1	0.813	0.736	0.813	1.343
A009414_01	At3g23730	xyloglucan endotransglycosylase, putative; protein i	0.475	0.62	0.499	0.339
A009415_01	At3g23790	AMP-binding protein, putative; protein id: At3g23790	-0.12	NA	NA	-0.43
A009426_01	xxxx	b/t pseudogene, cytochrome P450; protein id: At3g2	-0.9	-0.736	-0.478	-0.906
A009431_01	At3g19390	cysteine proteinase; protein id: At3g19390.1	1.097	0.947	NA	0.859
A009432_01	At3g12850	hypothetical protein; protein id: At3g12850.1	0.283	NA	NA	0.354
A009434_01	At3g57720	protein kinase - like protein; protein id: At3g57720.1	-1.753	NA	-0.71	-1.251
A009435_01	At3g20220	hypothetical protein; protein id: At3g20220.1	-0.28	-0.139	NA	NA
A009448_01	At3g48220	hypothetical protein; protein id: At3g48220.1	-0.471	-0.275	-0.167	0.097
A009454_01	At3g24700	hypothetical protein; protein id: At3g24700.1	0.387	0.407	0.355	0.798
A009457_01	At3g02370	hypothetical protein; protein id: At3g02370.1	-0.197	NA	0.028	-0.389
A009475_01	At3g18550	hypothetical protein; protein id: At3g18550.1	-0.146	-0.326	-0.3	-0.161

A009480_01	At3g18560	expressed protein; protein id: At3g18560.1	0.697	0.713	0.606	0.501
A009485_01	At3g55730	myb transcription factor - like protein; protein id: At3 NA	NA		-0.642	-0.936
A009491_01	At3g30370	hypothetical protein; protein id: At3g30370.1	0.409	0.674 NA		0.836
A009495_01	At3g21640	peptidylprolyl isomerase, putative; protein id: At3g2 NA		0.7	0.299	0.102
A009496_01	At3g44280	putative protein; protein id: At3g44280.1	0.428 NA		0.576	0.638
A009497_01	At3g20710	hypothetical protein; protein id: At3g20710.1	0.221 NA		-0.004	-0.577
A009498_01	At3g43600	aldehyde oxidase; protein id: At3g43600.1	0.969	0.845	0.183	0.112
A009501_01	At3g48740	MTN3-like protein; protein id: At3g48740.1	-3.412	-3.402	-1.958	-3.46
A009502_01	At3g21630	putative protein kinase; protein id: At3g21630.1	-0.101 NA		NA	-0.557
A009506_01	At3g43230	putative protein; protein id: At3g43230.1	-1.413	-1.589	-0.423	-0.726
A009507_01	At3g19553	amino acid permease, putative; protein id: At3g19553.1	-2.751 NA		-0.626	-1.179
A009512_01	At3g53210	putative protein; protein id: At3g53210.1	-0.569	-0.203	-0.362	-0.588
A009513_01	At3g52610	expressed protein; protein id: At3g52610.1	-0.067 NA		NA	0.095
A009514_01	At3g13460	unknown protein; protein id: At3g13460.1	-0.082 NA		-1.286	-1.104
A009515_01	At3g05400	sugar transporter, putative; protein id: At3g05400.1	-2.142	-2.855	-1.922	-2.557
A009517_01	At3g51670	putative protein; protein id: At3g51670.1	0.755	0.537	0.423	0.772
A009523_01	At3g49160	pyruvate kinase -like protein; protein id: At3g49160.1	-0.279	-0.429	-0.444	-0.339
A009525_01	At3g53420	plasma membrane intrinsic protein 2a; protein id: At3g53420.1	-1.669	-1.884	-0.333	-1.21
A009530_01	At3g21550	expressed protein; protein id: At3g21550.1	-0.733	-1.043	-0.161	-0.306
A009531_01	At3g17300	expressed protein; protein id: At3g17300.1	0.301	0.5	0.685	0.49
A009534_01	At3g02830	zinc finger protein 1 (zfn1); protein id: At3g02830.1	-0.14	-0.059	0.267	0.11
A009537_01	At3g49880	glycosyl hydrolase family 43; protein id: At3g49880.1	-0.448 NA		NA	-0.264
A009540_01	At3g14060	expressed protein; protein id: At3g14060.1	-0.143	0.228 NA		-0.784
A009542_01	At3g11290	expressed protein; protein id: At3g11290.1	-0.127 NA		NA	0.272
A009543_01	At3g16080	putative ribosomal protein; protein id: At3g16080.1	0.95	1.034	1.074	1.026
A009544_01	At3g52740	expressed protein; protein id: At3g52740.1	-0.623	-0.145 NA		NA
A009545_01	At3g16090	putative zinc finger protein; protein id: At3g16090.1	0.077 NA		NA	-0.221
A009548_01	At3g57890	putative protein; protein id: At3g57890.1	-0.057 NA		-0.164	0.141
A009549_01	At3g57930	putative protein; protein id: At3g57930.1	0.135	0.118	0.075	-0.238
A009551_01	At3g45780	nonphototropic hypocotyl 1; protein id: At3g45780.1	-1.069	-0.85	-1.004	-0.877
A009557_01	At3g12320	expressed protein; protein id: At3g12320.1	-1.828	-2.099	-0.469	-0.526
A009560_01	At3g52760	hypothetical protein; protein id: At3g52760.1	-0.043	-0.017	0.083	-0.301
A009561_01	At3g47430	putative protein; protein id: At3g47430.1	-0.056 NA		NA	NA
A009563_01	At3g42150	expressed protein; protein id: At3g42150.1	0.311	0.428	0.459	0.378
A009566_01	At3g55360	synaptic glycoprotein SC2-like protein; protein id: At3g55360.1	0.644	0.467	0.657	1.167
A009567_01	At3g58110	putative protein; protein id: At3g58110.1	0.011	0.036	0.146	0.758
A009568_01	At3g15640	putative cytochrome c oxidase subunit Vb; protein id: At3g15640.1	0.72	0.961	0.77	0.762
A009573_01	At3g17860	expressed protein; protein id: At3g17860.1	-0.761	-0.74	-0.718	-0.857
A009579_01	At3g56940	leucine zipper-containing protein AT103; protein id: At3g56940.1	0.091	-0.187	-0.158	0.206
A009580_01	At3g17880	thioredoxin, putative; protein id: At3g17880.1	-0.922	-0.153	-0.189	0.311
A009581_01	At3g05420	unknown protein; protein id: At3g05420.1	0.27	0.318 NA		-0.181
A009583_01	At3g47250	putative protein; protein id: At3g47250.1	-2.344	-2.421	-1.495	-1.777
A009590_01	At3g06550	unknown protein; protein id: At3g06550.1	0.621	0.105	0.066	0.237
A009594_01	At3g17980	unknown protein; protein id: At3g17980.1	-0.45	-0.746 NA		NA
A009595_01	At3g20720	unknown protein; protein id: At3g20720.1	0.064	-0.215 NA		-0.22
A009603_01	At3g14560	expressed protein; protein id: At3g14560.1	0.048	0.033	0.673	-0.244
A009609_01	At3g15760	expressed protein; protein id: At3g15760.1	NA	NA	NA	NA
A009611_01	At3g08590	putative 2,3-bisphosphoglycerate-independent phosphatase; protein id: At3g08590.1	0.295	0.17	0.189	0.184
A009614_01	At3g13235	expressed protein; protein id: At3g13235.1	0.261	0.388	0.305	0.204
A009618_01	At3g10610	putative 40S ribosomal protein S17; protein id: At3g10610.1	1.104	1.205	1.5	1.809
A009619_01	At3g15660	expressed protein; protein id: At3g15660.1	0.052	-0.199	0.141	0.219
A009625_01	At3g10640	unknown protein; protein id: At3g10640.1	-0.386 NA		NA	-0.279
A009627_01	At3g23410	expressed protein; protein id: At3g23410.1	0.427	0.154	-0.277	-0.163
A009632_01	At3g54970	expressed protein; protein id: At3g54970.1	0.428 NA		0.527	0.713
A009633_01	At3g23400	expressed protein; protein id: At3g23400.1	0.202	-0.043	-0.426	-0.63
A009639_01	At3g05030	putative sodium proton exchanger; protein id: At3g05030.1	0.265	0.177 NA		-0.248
A009641_01	At3g04930	unknown protein; protein id: At3g04930.1	-0.143	-0.624	-0.629	-0.474
A009660_01	At3g11490	putative rac GTPase activating protein; protein id: At3g11490.1	0.098	0.074	0.254	0.583
A009661_01	At3g19670	unknown protein; protein id: At3g19670.1	-0.039	-0.239 NA		-0.309
A009663_01	At3g22520	unknown protein; protein id: At3g22520.1	0.182 NA		-0.047	0.486
A009665_01	At3g01250	hypothetical protein; protein id: At3g01250.1	-0.109	-0.67	-1.298	-0.946
A009670_01	At3g18980	expressed protein; protein id: At3g18980.1	0.043	-0.117	-0.177	-0.389
A009676_01	At3g07590	putative small nuclear ribonucleoprotein (Sm-D1); protein id: At3g07590.1		0.89	0.893	0.77
A009682_01	At3g07680	putative coated vesicle membrane protein; protein id: At3g07680.1	0.617	0.397	0.226	0.678
A009684_01	At3g20390	translational inhibitor protein, putative; protein id: At3g20390.1	0.907	0.869	0.31	0.216
A009688_01	At3g07750	putative 3 exoribonuclease; protein id: At3g07750.1	0.632 NA		0.505	0.704
A009691_01	At3g21070	unknown protein; protein id: At3g21070.1	-0.464	-0.44	-0.39	-0.391
A009693_01	At3g28480	prolyl 4-hydroxylase, putative; protein id: At3g28480.1	0.451 NA		-0.063	-0.008

A009699_01	At3g03750	hypothetical protein; protein id: At3g03750.1	-0.1	NA	NA	NA	
A009711_01	At3g59920	Rab GDP dissociation inhibitor; protein id: At3g59920.1	0.255		0.03	0.291	0.753
A009713_01	At3g05220	unknown protein; protein id: At3g05220.1		NA	0.067	0.042	-0.302
A009728_01	At3g19280	fucosyltransferase, putative; protein id: At3g19280.1	-0.214	NA		NA	NA
A009731_01	At3g14180	hypothetical protein; protein id: At3g14180.1	0.199		0.238	0.113	-0.368
A009733_01	At3g14205	expressed protein; protein id: At3g14205.1		NA		NA	-0.276
A009737_01	At3g13440	methyltransferase, putative; protein id: At3g13440.1	0.024		-0.001	NA	-0.108
A009738_01	At3g46930	protein kinase 6-like protein; protein id: At3g46930.1	-0.944	NA		NA	-1.222
A009740_01	At3g57390	MADS-box protein; protein id: At3g57390.1	-0.771		-0.945	-0.606	-1.047
A009744_01	At3g07460	expressed protein; protein id: At3g07460.1	0.561		0.496	0.21	0.16
A009746_01	At3g07510	expressed protein; protein id: At3g07510.1	0.166		0.53	0.386	0.224
A009751_01	At3g07470	expressed protein; protein id: At3g07470.1	0.315		0.171	0.077	0.049
A009752_01	At3g07340	bHLH protein; protein id: At3g07340.1	-0.643	NA		NA	-1.771
A009753_01	At3g23830	A.t. reversibly glycosylated polypeptide-1 (AtRGP) repeat	1.337		1.442	1.353	1.816
A009755_01	At3g10360	pumilio-family RNA-binding protein, putative; protein id: At3g10360.1	0.269	NA		NA	-0.14
A009761_01	At3g10220	putative cytoskeleton-associated protein; protein id: At3g10220.1	0.644		0.481	0.299	0.492
A009762_01	At3g10210	expressed protein; protein id: At3g10210.1	-0.481	NA		0.062	-0.084
A009764_01	At3g24010	PHD-finger protein, putative; protein id: At3g24010.1	-0.317		-0.3	0.055	0.275
A009765_01	At3g24190	expressed protein; protein id: At3g24190.1	-0.995		-1.01	-0.662	-1.142
A009766_01	At3g10190	calmodulin-like protein; protein id: At3g10190.1	0.009		0.261	0.593	0.184
A009769_01	At3g02230	reversibly glycosylated polypeptide-1; protein id: At3g02230.1	0.659		0.518	0.598	0.862
A009770_01	At3g24140	helix-loop-helix DNA-binding protein; protein id: At3g24140.1	-0.446	NA		NA	NA
A009776_01	At3g53280	cytochrome P450 monooxygenase; protein id: At3g53280.1		NA		NA	NA
A009777_01	At3g18290	zinc finger protein, putative; protein id: At3g18290.1	-0.792		-0.635	-0.742	-1.104
A009780_01	At3g01520	expressed protein; protein id: At3g01520.1	-0.92		-0.94	-0.555	-1.31
A009784_01	At3g01610	putative cell division control protein; protein id: At3g01610.1	0.161		-0.264	NA	0.223
A009787_01	At3g01660	hypothetical protein; protein id: At3g01660.1	-1.223	NA		NA	NA
A009790_01	xxxx	expressed protein; protein id: At3g14430.1	0.029		-0.148	0.283	-0.038
A009792_01	At3g19810	expressed protein; protein id: At3g19810.1	0.474		0.564	0.279	0.414
A009796_01	At3g01770	expressed protein; protein id: At3g01770.1	-0.559		-0.791	-0.474	0.097
A009797_01	At3g48500	hypothetical protein; protein id: At3g48500.1	0.812		0.7	-0.071	0.341
A009803_01	At3g03480	putative hypersensitivity-related gene; protein id: At3g03480.1	-0.977		-1.435	-1.453	-1.947
A009805_01	At3g52060	putative protein; protein id: At3g52060.1	-0.795	NA		-0.087	-0.894
A009809_01	At3g03340	expressed protein; protein id: At3g03340.1	-0.389		-0.177	-0.045	0.164
A009811_01	At3g03310	expressed protein; protein id: At3g03310.1	-0.222		-0.257	-0.433	-0.08
A009821_01	At3g26630	unknown protein; protein id: At3g26630.1	-0.458	NA		NA	-0.511
A009822_01	At3g11600	expressed protein; protein id: At3g11600.1	-0.375		0.009	0.431	0.171
A009826_01	At3g51120	putative protein; protein id: At3g51120.1	-0.326	NA		NA	NA
A009834_01	At3g53870	40S ribosomal protein S3, putative; protein id: At3g53870.1	0.469		0.29	0.426	0.62
A009836_01	At3g01970	WRKY family transcription factor; protein id: At3g01970.1	-2.43	NA		NA	NA
A009843_01	At3g57280	expressed protein; protein id: At3g57280.1	-0.355		0.137	-0.253	-0.411
A009845_01	not annotated	Chr3 C/9929563-9929632	-0.501		-0.36	NA	NA
A009846_01	At3g50910	putative protein; protein id: At3g50910.1	-0.619		-0.583	-0.172	-0.162
A009848_01	At3g02140	expressed protein; protein id: At3g02140.1	-1.998		-2.183	-1.168	-2.639
A009849_01	At3g57340	DnaJ-like protein; protein id: At3g57340.1	-0.311		-0.373	-0.408	-0.149
A009855_01	At3g04620	unknown protein; protein id: At3g04620.1	-0.102		0.221	NA	NA
A009864_01	At3g20560	expressed protein; protein id: At3g20560.1	0.576	NA		0.161	0.583
A009867_01	At3g61460	RING finger protein; protein id: At3g61460.1	-1.047		-0.577	-0.103	-0.474
A009868_01	At3g61560	putative protein; protein id: At3g61560.1	0.495		0.39	0.453	0.58
A009870_01	At3g04670	WRKY family transcription factor; protein id: At3g04670.1	-0.041	NA		NA	0.369
A009879_01	At3g10090	putative ribosomal protein S28; protein id: At3g10090.1	0.485		0.715	0.694	0.883
A009885_01	At3g09980	unknown protein; protein id: At3g09980.1	-0.116		-0.863	-0.261	-0.497
A009890_01	At3g30775	hypothetical protein; protein id: At3g30775.1	-0.481		-0.67	-0.442	-0.173
A009894_01	At3g56680	putative protein; protein id: At3g56680.1	-0.213		-0.157	-0.53	-0.451
A009895_01	At3g19870	unknown protein; protein id: At3g19870.1	-0.206		-0.096	-0.076	-0.265
A009898_01	At3g18480	expressed protein; protein id: At3g18480.1	0.182		0.185	0.312	0.56
A009900_01	At3g50840	putative protein; protein id: At3g50840.1		NA		NA	NA
A009902_01	At3g56720	putative protein; protein id: At3g56720.1	0.148		0.051	-0.16	-0.15
A009905_01	At3g06430	unknown protein; protein id: At3g06430.1	0.536		0.408	-0.167	0.225
A009906_01	At3g06420	AtAPG8h; expressed protein; protein id: At3g06420.1	-2.114		-2.109	-0.943	-1.716
A009911_01	At3g15000	expressed protein; protein id: At3g15000.1	0.994		0.97	0.801	1.078
A009916_01	At3g61980	expressed protein; protein id: At3g61980.1	-0.449		-0.088	0.105	-0.529
A009920_01	At3g29310	hypothetical protein; protein id: At3g29310.1	0.129		0.06	-0.007	0.1
A009926_01	At3g05610	putative pectinesterase; protein id: At3g05610.1	-0.629	NA		NA	NA
A009927_01	At3g63410	putative chloroplast inner envelope protein; protein id: At3g63410.1	0.627		0.585	0.147	0.172
A009934_01	At3g47860	putative protein; protein id: At3g47860.1	1.447		1.507	0.793	1.144
A009939_01	At3g03070	expressed protein; protein id: At3g03070.1	0.074		0.269	0.473	-0.338
A009941_01	At3g11960	hypothetical protein; protein id: At3g11960.1	-0.717		-0.717	NA	NA

A009948_01	At3g56910	ribosomal protein, chloroplast; protein id: At3g56910	0.57	0.413	0.138	-0.139
A009949_01	At3g54640	tryptophan synthase alpha chain; protein id: At3g54640	0.689	0.602	0.515	1.294
A009956_01	At3g07160	callose synthase (1,3-beta-glucan synthase) family; expressed protein; protein id: At3g07160.1	-0.159	-0.484	-0.296	-0.504
A009958_01	At3g07140	expressed protein; protein id: At3g07140.1	0.262	0.531	-0.098	0.506
A009960_01	At3g49050	calmodulin-binding heat-shock protein; protein id: At3g49050	0.102 NA		0.111	0.38
A009964_01	At3g02420	expressed protein; protein id: At3g02420.1	0.036	0.069	0.225	0.274
A009965_01	At3g01690	unknown protein; protein id: At3g01690.1	-0.2	-0.135	0.261	-0.149
A009968_01	At3g09250	expressed protein; protein id: At3g09250.1	0.202	-0.13	0.035	-0.321
A009979_01	At3g52850	spot 3 protein and vacuolar sorting receptor homolog; protein id: At3g52850.1	-0.38	-0.649	-0.53	-0.369
A009988_01	At3g02810	putative protein kinase; protein id: At3g02810.1	-0.415	-0.469 NA	NA	
A009989_01	At3g02800	unknown protein; protein id: At3g02800.1	-1.083	-1.017 NA		-0.633
A009990_01	At3g02790	expressed protein; protein id: At3g02790.1	0.683	0.58	0.733	0.244
A009991_01	At3g49100	signal recognition particle subunit 9 - like; protein id: At3g49100	0.463	0.536	0.574	0.242
A009994_01	At3g52230	expressed protein; protein id: At3g52230.1	-0.395	-0.241	0.002	-0.641
A009997_01	At3g52200	putative protein; protein id: At3g52200.1	0.507	0.131	-0.333	0.084
A010000_01	At3g06400	putative ATPase (ISW2-like); protein id: At3g06400	-0.152	-0.197	0.016	0.67
A010007_01	not annotated	Chr3 W/3305936-3306005	-0.308 NA		-0.488	-0.434
A010011_01	At3g06760	unknown protein; protein id: At3g06760.1	-0.33	-0.01	0.195	0.46
A010018_01	At3g04500	RRM-containing protein; protein id: At3g04500.1	-0.082 NA		0.072	-0.154
A010021_01	At3g47810	putative protein; protein id: At3g47810.1	0.193	0.249	0.346	0.082
A010023_01	At3g05430	PWWP domain protein; protein id: At3g05430.1	0.115	0.267 NA		1.063
A010025_01	At3g09970	expressed protein; protein id: At3g09970.1	0.069 NA		-0.024	-0.07
A010027_01	not annotated	Chr3 C/2911995-2912064	-0.086	0.19 NA		-0.061
A010028_01	At3g07560	unknown protein; protein id: At3g07560.1	-0.967	-0.654	-0.39	-0.589
A010033_01	At3g01280	putative porin; protein id: At3g01280.1	0.411	0.388	0.49	0.664
A010040_01	At3g06250	expressed protein; protein id: At3g06250.1	-0.017	0.169 NA		0.46
A010042_01	At3g47610	putative protein; protein id: At3g47610.1	0.172	-0.149 NA		-0.197
A010044_01	At3g56650	thylakoid luminal 20 kDa protein; protein id: At3g56650	0.172	0.148	-0.136	-0.237
A010047_01	At3g06200	putative guanylate kinase; protein id: At3g06200.1	-0.238 NA	NA	NA	
A010048_01	At3g56620	nodulin-like protein; protein id: At3g56620.1	-0.022	0.054 NA		0.898
A010049_01	At3g16990	seed maturation protein, putative; protein id: At3g16990	-0.767	-0.867 NA		-0.45
A010051_01	At3g62110	polygalacturonase, putative; protein id: At3g62110.1	1.29	1.352	1.214	1.584
A010059_01	At3g15095	unknown protein; protein id: At3g15095.1	-0.192	-0.012	0.657	0.822
A010061_01	At3g55400	methionyl-tRNA synthetase (AtcpMetRS); protein id: At3g55400	0.616	0.606	0.14	0.611
A010065_01	At3g14610	cytochrome P450, putative; protein id: At3g14610.1	-0.457 NA	NA		-0.025
A010066_01	At3g23820	NAD dependent epimerase, putative; protein id: At3g23820		-0.393	-0.386	-0.43
A010068_01	At3g06110	putative dual-specificity protein phosphatase; protein id: At3g06110	-0.382	-0.207	-0.201	-0.323
A010172_01	At3g48030	putative protein; protein id: At3g48030.1	0.258	0.383	0.305	-0.214
A010173_01	At3g56010	putative protein; protein id: At3g56010.1	-0.453	-0.597	-0.633	-1.059
A010174_01	At3g55330	oxygen-evolving complex 25.6 kD protein, chloroplast; protein id: At3g55330	0.249	0.232	-0.131	-0.549
A010190_01	At3g55420	putative protein; protein id: At3g55420.1	0.509 NA		0.517	0.599
A010219_01	At3g16850	polygalacturonase, putative; protein id: At3g16850.1	-0.099 NA		-0.181	-0.596
A010227_01	At3g12630	expressed protein; protein id: At3g12630.1	-0.905	-0.398	-0.223	-0.887
A010255_01	At3g50080	F-box protein family, AtFBL16; protein id: At3g50080	-0.291	-0.221 NA		-0.064
A010261_01	At3g53950	putative protein; protein id: At3g53950.1	-0.523	-0.184	0.052	-0.13
A010262_01	At3g53970	putative protein; protein id: At3g53970.1	-0.517	-0.083	-0.37	-0.621
A010265_01	At3g58730	V-ATPase subunit D (vATPD); protein id: At3g58730	-0.276	-0.188	-0.404	-0.687
A010270_01	At3g53390	putative protein; protein id: At3g53390.1	-0.355	-0.23 NA		-0.142
A010272_01	At3g50520	putative protein; protein id: At3g50520.1	0.286	0.162	0.363	-0.029
A010274_01	At3g43300	guanine nucleotide-exchange - like protein; protein id: At3g43300	0.246 NA	NA		-0.155
A010275_01	At3g50600	expressed protein; protein id: At3g50600.1	0.178	-0.01	-0.026	-0.075
A010276_01	At3g54500	putative protein; protein id: At3g54500.1	-1.094	-1.107	-0.78	-1.476
A010282_01	At3g19260	longevity factor-like protein; protein id: At3g19260.1 NA	NA		-0.169	-0.176
A010294_01	At3g59280	putative protein; protein id: At3g59280.1	-0.362	-0.06	-0.106	-0.351
A010296_01	At3g19400	cysteine proteinase; protein id: At3g19400.1	0.918	0.77	0.725	1.009
A010300_01	At3g47930	L-galactono-1,4-lactone dehydrogenase - like protein; protein id: At3g47930	1.213	1.088	0.478 NA	NA
A010306_01	At3g12090	senescence-associated protein, putative; protein id: At3g12090	NA	NA	NA	NA
A010307_01	At3g26165	pseudogene, cytochrome P450 At3g26165	-2.202	-2.498	-1.607	-1.962
A010308_01	At3g12140	unknown protein; protein id: At3g12140.1	-0.364 NA		-0.436	0.053
A010310_01	At3g47650	putative protein; protein id: At3g47650.1	0.176	0.013	-0.13	-0.258
A010313_01	At3g15351	expressed protein; protein id: At3g15351.1	-1.003 NA		-0.16	-0.551
A010315_01	At3g12790	unknown protein; protein id: At3g12790.1	-0.701	-1.166	-0.23	-0.539
A010316_01	At3g48170	betaine aldehyde dehydrogenase-like protein; protein id: At3g48170	-0.528	-0.519	-0.559	-0.469
A010318_01	At3g51730	putative protein; protein id: At3g51730.1	-2.228	-2.464	-1.502	-1.551
A010320_01	At3g12390	nascent polypeptide associated complex alpha chain; protein id: At3g12390	1.065	0.886	0.928	1.33
A010323_01	At3g52480	putative protein; protein id: At3g52480.1	-2.11	-1.792	-0.786	-1.401
A010327_01	At3g12490	cysteine proteinase inhibitor, putative; protein id: At3g12490	0.041	0.052	0.169	0.143
A010328_01	At3g25740	methionine aminopeptidase, putative; protein id: At3g25740	-0.088	-0.235 NA		-0.416

A010329_01	At3g17850	protein kinase, putative; protein id: At3g17850.1	0.024	NA	-0.095	0.06
A010333_01	At3g18035	hypothetical protein; protein id: At3g18035.1	-0.227		-0.163	-0.482
A010343_01	At3g44290	putative protein; protein id: At3g44290.1	NA	NA	NA	NA
A010344_01	At3g03100	expressed protein; protein id: At3g03100.1	0.082		0.448	0.383
A010345_01	At3g43240	putative protein; protein id: At3g43240.1	0.031		0.149	-0.044
A010348_01	At3g52620	hypothetical protein; protein id: At3g52620.1	-0.721		-0.536	-1.637
A010349_01	At3g21610	unknown protein; protein id: At3g21610.1	-0.48		-0.677	-0.156
A010354_01	At3g21570	hypothetical protein; protein id: At3g21570.1	-0.719	NA	NA	NA
A010359_01	At3g07020	UDP-glucose:sterol glucosyltransferase; protein id:	-0.257		-0.256	NA
A010362_01	At3g02740	putative aspartyl protease; protein id: At3g02740.1	-0.335	NA		-0.675
A010363_01	At3g11200	putative nucleic acid binding protein; protein id: At3g	0.106		-0.093	0.168
A010365_01	At3g06700	ribosomal protein L29, putative; protein id: At3g0670	0.583		0.509	0.795
A010369_01	At3g44890	RP19 gene for chloroplast ribosomal protein CL9; p	1.069		0.794	0.614
A010371_01	At3g14010	expressed protein; protein id: At3g14010.1	-0.866	NA	NA	-0.511
A010374_01	At3g12480	unknown protein; protein id: At3g12480.1	NA		-0.266	0.001
A010377_01	At3g12200	protein kinase, putative; protein id: At3g12200.1	0.364		-0.036	-0.053
A010378_01	At3g12145	pseudogene, polygalacturonase inhibitor	1.753		1.472	0.967
A010379_01	At3g12300	expressed protein; protein id: At3g12300.1	-0.714		-0.467	-0.347
A010383_01	At3g45010	carboxypeptidase precursor-like protein; protein id: .	-2.372		-2.591	-1.018
A010390_01	At3g15770	hypothetical protein; protein id: At3g15770.1	-1.269		-1.443	-0.238
A010393_01	At3g54400	nucleoid DNA-binding - like protein; protein id: At3g:	1.638		1.432	1.106
A010395_01	At3g10700	galactokinase-like protein; protein id: At3g10700.1	0.59		0.638	0.278
A010400_01	At3g56310	glycosyl hydrolase family 27 (alpha-galactosidase/r	-1.014		-1.305	-0.879
A010404_01	At3g04980	hypothetical protein, contains DnaJ motif: prokaryot	0.794		0.624	0.418
A010411_01	At3g11470	unknown protein; protein id: At3g11470.1	0.558		0.513	0.153
A010413_01	At3g11590	expressed protein; protein id: At3g11590.1	0.499		0.472	NA
A010414_01	At3g01240	hypothetical protein; protein id: At3g01240.1	-0.28		-0.756	-1.209
A010417_01	At3g01180	glycogen synthase, putative; protein id: At3g01180.	-0.215	NA		-0.304
A010420_01	At3g07570	unknown protein; protein id: At3g07570.1	0.739		0.894	0.704
A010425_01	At3g07760	auxin-regulated protein; protein id: At3g07760.2	-0.781		-0.431	0.173
A010433_01	At3g05090	expressed protein; protein id: At3g05090.1	-0.714		-0.728	NA
A010434_01	At3g05100	hypothetical protein; protein id: At3g05100.1	0.126		-0.038	-0.07
A010441_01	At3g09000	expressed protein; protein id: At3g09000.1	0.636		0.76	NA
A010443_01	At3g19170	metalloprotease, putative; protein id: At3g19170.1	0.497		0.09	-0.824
A010449_01	At3g08920	rhodanese-like domain protein; protein id: At3g0892	0.309		0.479	0.293
A010451_01	At3g17020	expressed protein; protein id: At3g17020.1	-0.453		-0.665	-0.603
A010452_01	At3g16830	unknown protein; protein id: At3g16830.1	-0.271		-0.431	-0.352
A010456_01	At3g24200	flavin-dependent hydroxylase VisC-related; protein i	0.103		-0.17	0.061
A010457_01	At3g24150	hypothetical protein; protein id: At3g24150.1	0.216	NA		0.436
A010458_01	At3g03610	expressed protein; protein id: At3g03610.1	-0.215		-0.277	0.087
A010459_01	At3g24120	transfactor, putative; protein id: At3g24120.1	-0.067	NA		0.076
A010460_01	At3g15590	DNA-binding protein, putative; protein id: At3g15590	0.606		0.846	0.636
A010461_01	At3g01670	expressed protein; protein id: At3g01670.1	0.335		0.24	0.427
A010463_01	At3g50920	putative protein; protein id: At3g50920.1	0.273		0.46	0.772
A010464_01	At3g19900	expressed protein; protein id: At3g19900.1	-1.225		-1.368	-0.805
A010466_01	At3g01780	unknown protein; protein id: At3g01780.1	0.32		0.186	NA
A010467_01	At3g19790	hypothetical protein; protein id: At3g19790.1	0.656		0.832	0.783
A010469_01	At3g33530	unknown protein; protein id: At3g33530.1	0.017		0.312	0.456
A010473_01	At3g03420	expressed protein; protein id: At3g03420.1	0.515		0.486	0.361
A010480_01	At3g01820	putative adenylate kinase; protein id: At3g01820.1	0.084	NA		NA
A010481_01	At3g01860	hypothetical protein; protein id: At3g01860.1	-0.57		-0.724	NA
A010495_01	At3g04700	hypothetical protein; protein id: At3g04700.1	-0.293		-0.555	-1.171
A010498_01	At3g04610	KH domain protein; protein id: At3g04610.1	-0.011	NA		NA
A010502_01	At3g20500	purple acid phosphatase, putative; protein id: At3g2	-0.636		-0.863	-0.338
A010504_01	At3g50860	putative clathrin coat assembly protein; protein id: A	0.053	NA		NA
A010506_01	At3g54920	pectate lyase - like protein; protein id: At3g54920.1	0.853		1.14	0.561
A010508_01	At3g18500	hypothetical protein; protein id: At3g18500.1	-0.208		-0.443	-0.687
A010516_01	At3g18430	expressed protein; protein id: At3g18430.1	-0.04		-0.138	0.258
A010517_01	At3g06320	putative 50S ribosomal protein L33; protein id: At3g	1.466		1.361	1.598
A010518_01	At3g50770	calmodulin-like protein; protein id: At3g50770.1	-1.499		-2.007	-0.905
A010522_01	At3g22660	unknown protein; protein id: At3g22660.1	0.292		0.265	NA
A010526_01	At3g55005	expressed protein; protein id: At3g55005.1	0.77		0.622	0.571
A010527_01	At3g56170	putative protein; protein id: At3g56170.1	-1.802		-2.347	-1.252
A010534_01	At3g23600	expressed protein; protein id: At3g23600.1	-0.444		-0.441	-0.228
A010535_01	At3g23170	expressed protein; protein id: At3g23170.1	-0.974		-0.354	-0.845
A010538_01	At3g57230	MADS-box protein; protein id: At3g57230.1	-0.279		-0.674	NA
A010541_01	At3g17070	peroxidase, putative; protein id: At3g17070.1	0.308		0.623	0.434
A010544_01	At3g04470	expressed protein; protein id: At3g04470.1	0.547		0.216	-0.015

A010548_01	xxxx	b/t glycosyl transferase, putative; protein id: At3g25	0.886	0.756	0.581	0.754
A010549_01	At3g07180	unknown protein; protein id: At3g07180.1	0.494 NA	NA		0.392
A010555_01	At3g03470	cytochrome p450, putative; protein id: At3g03470.1	-3.117	-3.128	-2.268	-2.666
A010557_01	At3g02870	putative myo-inositol monophosphatase; protein id:	0.675	0.332	0.391	0.501
A010559_01	At3g56490	protein kinase C inhibitor-like protein; protein id: At3	0.52	0.578	0.744	1.231
A010563_01	At3g18810	protein kinase, putative; protein id: At3g18810.1	-0.314	-0.106 NA		NA
A010564_01	At3g18830	sugar transport, putative; protein id: At3g18830.1	-0.759	-0.77	-0.231	-0.564
A010568_01	At3g46010	actin depolymerizing factor 1 (ADF1); protein id: At3	-0.356	-0.149	-0.202	-0.376
A010571_01	At3g05810	expressed protein; protein id: At3g05810.1	0.714	0.741	0.529	0.314
A010573_01	At3g47990	putative protein; protein id: At3g47990.1	-0.293	-0.059 NA		-0.052
A010578_01	At3g29575	hypothetical protein; protein id: At3g29575.1	-0.523	-0.076	0.269	-0.278
A010579_01	At3g54880	putative protein; protein id: At3g54880.1	-0.604	-0.69	-0.619	-0.674
A010582_01	At3g09610	unknown protein; protein id: At3g09610.1	-0.731	-0.762 NA		0.157
A010591_01	At3g44190	putative protein; protein id: At3g44190.1	NA	NA	-0.045	-0.193
A010592_01	At3g11950	hypothetical protein; protein id: At3g11950.1	0.122	-0.082	-0.207	-0.537
A010593_01	At3g27430	20S proteasome beta subunit B (PBB1); protein id:	0.174	0.565	0.48	0.906
A010595_01	At3g14290	20S proteasome alpha subunit E2 (PAE2); protein id:	0.541	0.204	0.245	0.632
A010599_01	At3g02080	putative 40S ribosomal protein S19; protein id: At3g	0.426	0.349	0.548	0.404
A010601_01	At3g63120	putative protein; protein id: At3g63120.1	-0.225	0.149 NA		0.214
A010602_01	At3g15020	mitochondrial NAD-dependent malate dehydrogenase	0.586	0.764	0.629	0.444
A010603_01	At3g15040	expressed protein; protein id: At3g15040.1	NA	NA	NA	-0.454
A010604_01	At3g02070	unknown protein; protein id: At3g02070.1	-0.389 NA	NA		-0.713
A010605_01	At3g09700	expressed protein; protein id: At3g09700.1	0.514	0.528	0.723	0.79
A010606_01	At3g25585	hypothetical protein; protein id: At3g25585.1	-0.535	-0.776	-0.471	0.001
A010607_01	At3g23700	expressed protein; protein id: At3g23700.1	-0.208	-0.624	-0.793	-0.373
A010608_01	At3g03050	putative cellulose synthase catalytic subunit; protein	0.263	0.475	0.269	0.139
A010611_01	At3g09560	unknown protein; protein id: At3g09560.1	-0.25 NA	NA		NA
A010612_01	At3g26090	unknown protein; protein id: At3g26090.1	-0.629	-0.621 NA		-0.185
A010615_01	At3g06580	galactose kinase; protein id: At3g06580.1	-0.105	-0.291	-0.221	-0.174
A010616_01	At3g27850	50S ribosomal protein L12-C; protein id: At3g27850	0.241	0.111	-0.011	-0.186
A010617_01	At3g05160	putative sugar transporter; protein id: At3g05160.1	-1.581	-1.565	-1.679	-1.791
A010619_01	At3g26510	unknown protein; protein id: At3g26510.1	-2.952	-2.625	-1.301	-1.962
A010624_01	At3g14230	AP2 domain protein RAP2.2; protein id: At3g14230.	-0.41	-0.523	-0.74	-0.761
A010625_01	At3g01910	putative sulfite oxidase; protein id: At3g01910.1	-0.069	-0.188	-0.193	-0.293
A010626_01	At3g18280	lipid transfer protein, putative; protein id: At3g18280	0.473	0.838	0.484	0.168
A010628_01	At3g62840	small nuclear ribonucleoprotein-like protein; protein	0.703	0.745	0.551	0.373
A010629_01	At3g23990	mitochondrial chaperonin hsp60; protein id: At3g239	0.86	0.845	0.756	0.986
A010632_01	At3g09450	hypothetical protein; protein id: At3g09450.1	-2.364 NA	NA		NA
A010633_01	At3g22104	hypothetical protein; protein id: At3g22104.1	-0.287 NA	NA		0.379
A010634_01	At3g11400	eukaryotic translation initiation factor 3 subunit g (el	0.333	0.447	0.476	0.509
A010636_01	At3g26360	hypothetical protein; protein id: At3g26360.1	0.565	0.558	0.427	0
A010637_01	At3g47640	hypothetical protein; protein id: At3g47640.1	-0.111	-0.176 NA		-0.064
A010638_01	At3g03020	expressed protein; protein id: At3g03020.1	0.22	0.154	0.388	0.205
A010643_01	At3g12050	expressed protein; protein id: At3g12050.1	0.365	0.132	0.413	0.459
A010645_01	At3g62940	putative protein; protein id: At3g62940.1	0.173	0.293 NA		0.765
A010647_01	At3g63250	homocysteine S-methyltransferase AtHMT-2; protei	0.262	0.301	0.436	0.551
A010648_01	At3g22890	ATP sulfurylase, putative; protein id: At3g22890.1	-1.717	-1.664	-1.222	-1.102
A010650_01	At3g22380	expressed protein; protein id: At3g22380.1	-0.927	-0.913	-0.206	-0.574
A010652_01	At3g12030	expressed protein; protein id: At3g12030.1	0.115	0.245	0.186	-0.204
A010656_01	At3g18410	expressed protein; protein id: At3g18410.1	0.658	0.685	0.277	0.41
A010658_01	At3g55610	delta-1-pyrroline-5-carboxylate synthetase; protein id:	-1.146	-1.343	-1.278	-1.282
A010659_01	At3g55260	glycosyl hydrolase family 20; protein id: At3g55260.	0.245	0.23	-0.041	-0.163
A010660_01	At3g20670	histone H2A, putative; protein id: At3g20670.1	1.554	1.182	0.972	0.717
A010663_01	At3g09735	expressed protein; protein id: At3g09735.1	0.042	0.175	0.068	0.05
A010666_01	At3g30180	cytochrome p450, putative; protein id: At3g30180.1	-0.603	-0.725	0.226	0.696
A010669_01	At3g19550	expressed protein; protein id: At3g19550.1	-1.73	-1.792	-0.845	-1.424
A010676_01	At3g57450	putative protein; protein id: At3g57450.1	-0.498	0.119	-0.387	-0.837
A010677_01	At3g01100	unknown protein; protein id: At3g01100.1	-1.101	-1.052	-0.916	-0.996
A010678_01	At3g21220	MAP kinase kinase 5; protein id: At3g21220.1	0.087 NA		0.248	-0.149
A010679_01	At3g57560	acetylglutamate kinase-like protein; protein id: At3g:	1.152	0.999	0.568	0.836
A010681_01	At3g27050	expressed protein; protein id: At3g27050.1	-0.278	-0.219	-0.358	-0.382
A010689_01	At3g49670	leucine-rich repeat transmembrane protein kinase, p	1.188	1.07	0.633	0.937
A010690_01	At3g04240	putative O-linked GlcNAc transferase; protein id: At:	-0.936	-0.654	-0.772	-0.393
A010693_01	At3g44880	lethal leaf-spot 1 homolog Lls1; protein id: At3g4488	-1.163	-1.169	-0.809	-0.879
A010696_01	At3g04520	L-allo-threonine aldolase, putative; protein id: At3g0	-0.792	-1.008	-0.222	-0.804
A010698_01	At3g51980	hypothetical protein; protein id: At3g51980.1	0.361	0.354	0.745	0.963
A010699_01	At3g57470	protease-like protein; protein id: At3g57470.1	0.223	0.254	0.114	1.169
A010701_01	At3g16040	expressed protein; protein id: At3g16040.1	-0.963	-0.172 NA		NA

A010704_01	At3g04350	expressed protein; protein id: At3g04350.1	-0.756	-0.872	-0.908	-1.222
A010706_01	At3g46290	receptor protein kinase -like; protein id: At3g46290.1	0.044 NA	NA		-0.105
A010708_01	At3g57800	putative protein; protein id: At3g57800.1	0.439	0.541	0.472	0.557
A010709_01	At3g56120	putative protein; protein id: At3g56120.1	0.811	0.497	0.559	1.155
A010710_01	At3g56110	putative protein; protein id: At3g56110.1	-0.123	0.12	0.14	-0.111
A010713_01	At3g24800	E3 ubiquitin ligase, PRT1; protein id: At3g24800.1	0.136 NA		0.213	0.4
A010715_01	At3g58010	putative protein; protein id: At3g58010.1	-0.134	0.018	-0.225	-0.16
A010720_01	At3g13225	hypothetical protein; protein id: At3g13225.1	-0.234	-0.343 NA		NA
A010724_01	At3g06590	bHLH protein; protein id: At3g06590.1	-0.796	-0.789	0.221	-0.169
A010725_01	At3g28730	recombination signal sequence recognition protein,	0.093	-0.007	0.023	0.125
A010727_01	At3g02260	unknown protein; protein id: At3g02260.1	-0.205	-0.536	0.196	0.036
A010729_01	At3g08930	expressed protein; protein id: At3g08930.1	0.299	0.323	-0.014	0.26
A010731_01	At3g27690	light harvesting chlorophyll A/B binding protein, puta	0.056 NA		-0.058	-0.133
A010732_01	At3g46060	GTP-binding protein ara-3; protein id: At3g46060.1	-0.147	-0.064	-0.165	-0.199
A010733_01	At3g27740	carbamoyl phosphate synthetase small subunit; pro	0.862	0.744	1.114	2.026
A010734_01	At3g27770	expressed protein; protein id: At3g27770.1	-0.658	-1.089	-0.935	-0.892
A010737_01	At3g60030	squamosa promoter binding protein-like 12; protein	-0.637	-0.672	-0.285	0.226
A010739_01	At3g01500	carbonic anhydrase, chloroplast precursor; protein i	0.363	0.386	-1.038	-1.535
A010744_01	At3g62360	putative protein; protein id: At3g62360.1	0.476	0.92 NA		0.512
A010745_01	At3g23540	unknown protein; protein id: At3g23540.1	-0.689 NA	NA		-0.233
A010749_01	At3g08760	putative protein kinase; protein id: At3g08760.1	-0.661	-0.334	-0.244	-0.842
A010750_01	At3g49220	pectinesterase - like protein; protein id: At3g49220.1	0.999	0.983	0.921	1.448
A010751_01	At3g52155	expressed protein; protein id: At3g52155.1	0.262	0.464	0.009	-0.327
A010756_01	At3g13226	expressed protein; protein id: At3g13226.1	0.443 NA		0.366	0.669
A010758_01	At3g27160	expressed protein; protein id: At3g27160.1	0.807	0.872	0.159	-0.205
A010759_01	At3g10760	unknown protein; protein id: At3g10760.1	-0.284 NA	NA		0.821
A010772_01	At3g56510	putative protein; protein id: At3g56510.1	-0.197	-0.025 NA		0.314
A010775_01	At3g20890	b/t tRNA-Ser; protein id: At3g20890 and tRNA-Ser;	0.179	0.147 NA		-0.007
A010776_01	At3g07910	expressed protein; protein id: At3g07910.1	0.144	0.414	0.37	0.027
A010781_01	At3g47833	expressed protein; protein id: At3g47833.1	0.147	0.177	0.399	-0.352
A010790_01	At3g10520	class 2 non-symbiotic hemoglobin; protein id: At3g1	-0.907	-0.882	-0.783	-1.177
A010803_01	At3g16200	unknown protein; protein id: At3g16200.1	0.358	0.793 NA		0.355
A010804_01	At3g56400	WRKY family transcription factor; protein id: At3g56	-1.258	-0.848	-0.312	0.114
A010805_01	At3g03870	expressed protein; protein id: At3g03870.1	-2.06 NA		-1.13	-1.994
A010815_01	At3g15900	expressed protein; protein id: At3g15900.1	-1.056	-0.643	-0.149	-0.914
A010819_01	At3g15940	hypothetical protein; protein id: At3g15940.1	0.916	0.65 NA		1.3
A010822_01	At3g13810	zinc finger protein, putative; protein id: At3g13810.1	-0.465	-0.715 NA		-0.829
A010834_01	At3g27080	TOM20, putative; protein id: At3g27080.1	0.606	0.537	0.44	-0.028
A010837_01	At3g14110	expressed protein; protein id: At3g14110.1	0.606	0.739	0.351	0.322
A010846_01	At3g13480	hypothetical protein; protein id: At3g13480.1	-0.457	-0.415	-0.22	-0.099
A010851_01	At3g09920	putative phosphatidylinositol-4-phosphate 5-kinase;	-0.81	-0.79	-0.851	-0.693
A010863_01	At3g21420	expressed protein; protein id: At3g21420.1	-0.906 NA		-0.268	-0.232
A010869_01	At3g09210	expressed protein; protein id: At3g09210.1	0.467	0.364	0.104	0.587
A010874_01	At3g10525	expressed protein; protein id: At3g10525.1	-1.569	-1.751	-0.792	-2.019
A010875_01	At3g27260	unknown protein; protein id: At3g27260.1	-0.305	-0.936	-0.633	-0.409
A010876_01	At3g27310	expressed protein; protein id: At3g27310.1	0.232	-0.171	0.134	0.249
A010877_01	At3g50630	Kip-related protein 2; protein id: At3g50630.1	0.407	0.048	0.671	0.305
A010879_01	At3g58660	putative protein; protein id: At3g58660.1	1.003	0.895 NA		0.971
A010881_01	At3g09850	expressed protein; protein id: At3g09850.1	-0.609	-1.139	-1.001	-0.88
A010885_01	At3g51050	putative protein; protein id: At3g51050.1	0.038 NA		-0.281	-0.103
A010887_01	At3g51100	putative protein; protein id: At3g51100.1	-0.05	-0.092 NA		-0.465
A010892_01	At3g05520	alpha subunit of F-actin capping protein; protein id:	0.443	0.208	0.242	0.5
A010893_01	At3g15290	putative 3-hydroxybutyryl-CoA dehydrogenase; prot	-0.051	-0.066	0.085	-0.108
A010898_01	At3g53620	inorganic pyrophosphatase -like protein; protein id:	0.061	0.213 NA		0.466
A010902_01	At3g57330	potential calcium-transporting ATPase 11, plasma m	-1.238	-1.074	-0.745	-1.492
A010909_01	At3g11730	putative GTP-binding protein (ATFP8); protein id: At	0.52	0.472	0.444	0.623
A010911_01	At3g47800	aldose 1-epimerase - like protein; protein id: At3g47	-0.281	-0.233	-0.2	-0.484
A010912_01	At3g06750	expressed protein; protein id: At3g06750.1	0.014	0.317	0.436	-0.32
A010915_01	At3g61530	3-methyl-2-oxobutanoate hydroxy-methyl-transferas	-0.145	-0.124	-0.194	-0.091
A010916_01	At3g24530	rubisco expression protein, putative; protein id: At3g	0.212	-0.241	-0.192	-0.053
A010926_01	At3g61310	putative DNA-binding protein; protein id: At3g61310	0.77	0.763	0.552	1.018
A010929_01	At3g15070	RING zinc finger protein, putative; protein id: At3g15	-0.555 NA	NA	NA	NA
A010934_01	At3g56750	putative protein; protein id: At3g56750.1	0.452	0.342	0.229	0.496
A010935_01	At3g22422	expressed protein; protein id: At3g22422.1	0.054	0.112	0.074	0.405
A010938_01	At3g56860	RRM-containing RNA-binding protein; protein id: At	-0.294	-0.314	-0.364	0.16
A010941_01	At3g52860	putative protein; protein id: At3g52860.1	0.162	0.386	0.379	-0.033
A010942_01	At3g54840	Rab family GTP-binding protein (Ara6); protein id: A	-0.517	-0.747	-0.116	0.071
A010943_01	At3g52960	peroxiredoxin - like protein; protein id: At3g52960.1	0.796	0.955	0.683	0.595

A010947_01	At3g17670	hypothetical protein; protein id: At3g17670.1	-0.05	NA	-0.169	-0.369
A010948_01	At3g11770	unknown protein; protein id: At3g11770.1	0.343	NA	0.697	0.574
A010949_01	At3g61900	putative protein; protein id: At3g61900.1	-2.018	NA	NA	NA
A010951_01	At3g17740	hypothetical protein; protein id: At3g17740.1	-0.088	NA	NA	NA
A010955_01	At3g62700	glutathione-conjugate transporter, putative; protein i	-0.88	-0.639	0.287	0.488
A010958_01	At3g58990	3-isopropylmalate dehydratase-like protein (small su NA	NA	NA	NA	NA
A010960_01	At3g59040	putative protein; protein id: At3g59040.1	0.629	0.18	-0.273	0.308
A010961_01	At3g59140	ABC transporter family protein; protein id: At3g5914	-1.205	-1.177	NA	-0.205
A010963_01	At3g56190	alpha-soluble NSF attachment protein; protein id: A	-0.357	-0.184	-0.171	-0.318
A010964_01	At3g56290	putative protein; protein id: At3g56290.1	-1.503	-1.709	-0.78	-1.891
A010973_01	At3g55850	putative protein; protein id: At3g55850.1	0.542	0.384	NA	0.912
A010976_01	At3g60340	palmitoyl-protein thioesterase precursor - like; prote	-0.279	-0.361	-0.211	-0.369
A010980_01	At3g56630	cytochrome P450, putative; protein id: At3g56630.1 NA	NA	NA	-0.998	NA
A010995_01	At3g44070	putative protein; protein id: At3g44070.1	-0.176	-0.152	NA	NA
A010996_01	At3g44100	putative protein; protein id: At3g44100.1	-0.235	0.121	0.131	-0.532
A011002_01	At3g26710	expressed protein; protein id: At3g26710.1	0.44	0.426	-0.308	-0.284
A011007_01	At3g11930	ethylene-responsive protein, putative; protein id: At	-2.702	-2.627	-1.522	-2.456
A011019_01	At3g20530	protein kinase, putative; protein id: At3g20530.1	-0.186	-0.527	NA	-1.529
A011021_01	At3g25840	protein kinase, putative; protein id: At3g25840.1	-0.337	-0.344	-0.316	-0.293
A011029_01	At3g19895	unknown protein; protein id: At3g19895.1	-1.109	-0.99	NA	-0.986
A011033_01	At3g15580	AtAPG8i; expressed protein; protein id: At3g15580.	-0.981	-1.195	-0.782	-1.437
A011038_01	At3g22530	expressed protein; protein id: At3g22530.1	-0.756	-0.717	0.004	-0.685
A011039_01	At3g22590	unknown protein; protein id: At3g22590.1	0.173	0.102	0.144	0.652
A011040_01	At3g26600	unknown protein; protein id: At3g26600.1	-0.437	NA	NA	-0.208
A011046_01	At3g15790	unknown protein; protein id: At3g15790.1	0.506	0.445	0.422	0.368
A011048_01	At3g15820	expressed protein; protein id: At3g15820.1 NA	NA	NA	-0.142	-0.615
A011054_01	At3g12650	expressed protein; protein id: At3g12650.1	0.265	0.286	0.274	0.323
A011055_01	At3g12670	CTP-synthetase, putative; protein id: At3g12670.1	0.452	0.56	0.593	1.1
A011064_01	At3g19490	expressed protein; protein id: At3g19490.1	0.433	0.327	-0.009	0.329
A011068_01	At3g29760	unknown protein; protein id: At3g29760.1	0.033	-0.28	-0.302	0.047
A011077_01	At3g17365	expressed protein; protein id: At3g17365.1	-0.106	NA	NA	0.17
A011078_01	At3g17390	putative s-adenosylmethionine synthetase; protein i	0.87	0.56	0.59	1.045
A011085_01	At3g14840	receptor-like serine/threonine kinase, putative; prote	0.756	0.573	-0.026	-0.014
A011089_01	At3g27350	expressed protein; protein id: At3g27350.1	-0.382	-0.516	-0.035	-0.215
A011090_01	At3g27390	unknown protein; protein id: At3g27390.1	-0.805	NA	-0.819	-1.095
A011094_01	At3g21790	putative UDP-glucose glucosyltransferase; protein i	-1.695	NA	-1.072	-1.906
A011096_01	At3g24890	synaptobrevin, putative; protein id: At3g24890.1	0.107	NA	0.286	NA
A011104_01	At3g46550	fasciclin-like arabinogalactan-protein, putative (FLA	0.521	0.774	0.574	0.061
A011108_01	At3g19990	hypothetical protein; protein id: At3g19990.1	-0.333	-0.325	-0.272	-0.775
A011109_01	At3g28750	unknown protein; protein id: At3g28750.1	-0.457	-0.949	-1.149	-1.426
A011114_01	At3g46610	hypothetical protein; protein id: At3g46610.1	-0.523	-0.427	NA	-0.509
A011121_01	At3g48500	hypothetical protein; protein id: At3g48500.1	0.738	0.633	0.19	0.635
A011124_01	At3g18060	putative WD-repeat protein (WDR1-like); protein id: NA	NA	NA	-0.331	-0.398
A011130_01	At3g14280	unknown protein; protein id: At3g14280.1	-3.289	-3.028	-1.556	-2.917
A011132_01	At3g53610	ras-related GTP-binding protein, putative; protein id	0.155	0.104	0.366	0.373
A011133_01	At3g14310	putative pectin methylesterase; protein id: At3g1431	0.307	0.476	0.065	-0.001
A011142_01	At3g16230	unknown protein; protein id: At3g16230.1	0.083	-0.159	-0.093	-0.061
A011146_01	At3g49570	hypothetical protein; protein id: At3g49570.1	-2.623	-3.212	-2.06	NA
A011148_01	At3g04770	putative 40S ribosomal protein; protein id: At3g0477	0.706	1.022	0.867	1.109
A011153_01	At5g24280	putative protein; protein id: At5g24280.1	0.213	0.2	0.423	-0.041
A011159_01	At3g26950	unknown protein; protein id: At3g26950.1	0.489	0.663	0.371	0.678
A011163_01	At3g54010	peptidylprolyl isomerase (pasticcino 1); protein id: A	0.155	NA	0.055	0.153
A011164_01	At3g02780	isopentenyl diphosphate:dimethylallyl diphosphate i	-0.15	NA	0.035	-0.298
A011167_01	At3g22990	expressed protein; protein id: At3g22990.1	0.115	-0.262	0.236	0.318
A011171_01	At3g23070	hypothetical protein; protein id: At3g23070.1	0.126	0.008	-0.099	0.202
A011187_01	At3g59690	putative protein; protein id: At3g59690.1 NA	NA	NA	NA	NA
A011189_01	At3g55250	putative protein; protein id: At3g55250.1	-0.371	NA	-0.135	-0.756
A011190_01	At3g55290	oxidoreductase -like protein; protein id: At3g55290.1	0.038	0.106	0.078	0.356
A011193_01	At3g22060	receptor kinase common family, putative; protein id:	-1.905	-1.481	-1.468	-2.199
A011194_01	At3g59980	putative protein; protein id: At3g59980.1	0.737	0.73	0.411	0.163
A011198_01	At3g60140	glycosyl hydrolase family 1, beta-glucosidase; prote	-3.459	NA	-2.44	-4.05
A011199_01	At3g60160	ABC transporter family protein; protein id: At3g6016	-0.177	-0.489	-0.027	0.029
A011200_01	At3g60180	uridylyate kinase-like protein; protein id: At3g60180.1	-0.661	-1.147	-0.405	-1.006
A011203_01	At3g27190	uracil phosphoribosyltransferase, putative; protein ic	0.265	0.386	NA	0.382
A011208_01	At3g12920	expressed protein; protein id: At3g12920.1	-0.008	-0.191	NA	0.826
A011223_01	At3g27930	expressed protein; protein id: At3g27930.1	0.398	0.384	0.43	0.564
A011226_01	At3g60410	putative protein; protein id: At3g60410.1	-0.075	-0.279	NA	0.133
A011227_01	At3g60420	putative protein; protein id: At3g60420.1	-1.628	-1.575	-0.599	-0.93

A011228_01	At3g60520	putative protein; protein id: At3g60520.1	0.076	0.412	0.713	0.728
A011231_01	At3g43440	putative protein; protein id: At3g43440.1	-0.598	-0.96 NA		-0.482
A011242_01	At3g55070	putative protein; protein id: At3g55070.1	-0.46	-0.603	-0.103	-0.052
A011250_01	At3g24490	hypothetical protein; protein id: At3g24490.1	0.343	-0.102	-0.011	-0.165
A011263_01	At3g42790	nucleic acid binding protein-like; protein id: At3g427	-0.054	-0.29	-0.068	-0.134
A011267_01	At3g22420	putative protein kinase; protein id: At3g22420.1	0.288	0.059	0.364	0.717
A011270_01	At3g17470	hypothetical protein; protein id: At3g17470.1	-0.239 NA	NA	NA	
A011274_01	At3g17590	expressed protein; protein id: At3g17590.1	0.448	0.426	0.657	0.512
A011285_01	At3g53960	transporter-like protein; protein id: At3g53960.1	-1.972	-1.831 NA	NA	
A011288_01	At3g54030	protein kinase -like protein; protein id: At3g54030.1	0.105 NA	NA		0.576
A011296_01	At3g25890	AP2 domain transcription factor, putative; protein id	-0.375 NA		0.068	0.503
A011301_01	At3g26080	unknown protein; protein id: At3g26080.1	-0.804	-0.37	-0.472	-0.997
A011304_01	At3g21110	phosphoribosyamidoimidazole-succinocarboxamide	0.706	0.807	0.544	1.038
A011306_01	At3g12280	retinoblastoma protein; protein id: At3g12280.1	0.14 NA	NA		0.211
A011307_01	At3g59210	putative protein; protein id: At3g59210.1	-1.658	-1.481	-0.793	-0.103
A011311_01	At3g10230	lycopene beta cyclase; protein id: At3g10230.1	-0.879	-0.917	-0.645	-0.654
A011320_01	At3g17150	hypothetical protein; protein id: At3g17150.1	0.984	1.12	1.005	1.364
A011322_01	At3g11660	VAMP protein SEC22; protein id: At3g11660.1	NA	NA	-1.082	-2.083
A011323_01	At3g15354	similar to phytochrome A supressor spa1, putative;	-0.772	-0.683	-0.171	0.428
A011326_01	At3g25120	expressed protein; protein id: At3g25120.1	0.27	0.599	0.178	0.178
A011331_01	At3g48180	hypothetical protein; protein id: At3g48180.1	-0.261	-0.235	-0.079	-1.334
A011336_01	At3g02360	6-phosphogluconate dehydrogenase, putative; prote	0.145	-0.189	-0.008	0.028
A011338_01	At3g02320	putative N2,N2-dimethylguanosine tRNA methyltran	-0.227 NA	NA		0.269
A011339_01	At3g02340	RING zinc-finger protein, putative; protein id: At3g0	-0.591	-0.498	-0.507	-0.356
A011341_01	At3g52420	outer envelope membrane protein-like protein; prote	0.152	0.344 NA	NA	
A011342_01	At3g05060	putative SAR DNA-binding protein-1; protein id: At3	1.006	1.034	0.757	1.468
A011343_01	At3g55630	tetrahydrofolylpolyglutamate synthase precursor - lii	0.114	0.164	0.33	0.343
A011344_01	At3g09820	putative adenosine kinase; protein id: At3g09820.1	1.036	1.006	0.997	1.29
A011349_01	At3g29230	hypothetical protein; protein id: At3g29230.1	0.378 NA	NA		0.348
A011356_01	At3g25805	expressed protein; protein id: At3g25805.1	0.301 NA		0.228	0.268
A011359_01	At3g57510	polygalacturonase, putative; protein id: At3g57510.1	-4.446	-4.64	-3.629	-4.866
A011361_01	At3g08530	clathrin heavy chain, putative; protein id: At3g08530	-0.133	-0.022	-0.108	0.21
A011372_01	At3g52750	plastid division protein FtsZ-like; protein id: At3g527	1.142	1.257 NA		1.072
A011374_01	At3g12360	ankyrin-like protein; protein id: At3g12360.1	-0.788	-0.92	-0.342	-0.675
A011382_01	At3g12260	expressed protein; protein id: At3g12260.1	0.443	0.311	0.407	0.178
A011384_01	At3g51650	putative protein; protein id: At3g51650.1	0.119	0.081	0.135	0.202
A011385_01	At3g44950	putative protein; protein id: At3g44950.1	-0.138	0.119	-0.019	-0.227
A011387_01	At3g06570	expressed protein; protein id: At3g06570.1	-0.452 NA	NA		-0.285
A011390_01	At3g06530	hypothetical protein; protein id: At3g06530.1	0.744	0.749 NA		1.179
A011395_01	At3g08650	unknown protein; protein id: At3g08650.1	-0.809	-0.226 NA		-0.491
A011396_01	At3g08740	putative elongation factor P (EF-P); protein id: At3g	1.04	0.925	0.584	0.728
A011397_01	At3g08610	expressed protein; protein id: At3g08610.1	-0.043	0.164	0.266	-0.157
A011407_01	At3g01230	hypothetical protein; protein id: At3g01230.1	-0.539	-0.856	-1.5	-2.354
A011414_01	At3g07740	expressed protein; protein id: At3g07740.1	0.022 NA	NA		-0.265
A011416_01	At3g07790	hypothetical protein; protein id: At3g07790.1	-0.447	-0.735	-0.654	-0.508
A011419_01	At3g05180	putative nodulin; protein id: At3g05180.1	0.744	0.741	0.719	1.436
A011422_01	At3g05290	mitochondrial carrier protein family; protein id: At3g	-0.116	-0.179	0.011	-0.043
A011426_01	At3g05350	putative aminopeptidase; protein id: At3g05350.1	0.007 NA		-0.802	-0.516
A011428_01	At3g09030	hypothetical protein; protein id: At3g09030.1	-1.003 NA	NA		-1.006
A011429_01	At3g20250	pumilio-family RNA-binding protein, putative; proteir	-1.676	-1.544	-0.66	-0.646
A011435_01	At3g09180	expressed protein; protein id: At3g09180.1	-0.661 NA		-0.377	-0.15
A011436_01	At3g09190	MZB10.23; pseudogene, lectin GB:AAD56334	-0.011	0.064	0.721	0.765
A011441_01	At3g10250	expressed protein; protein id: At3g10250.1	-1.451	-1.206	-0.57	-0.575
A011445_01	At3g03560	hypothetical protein; protein id: At3g03560.1	-0.014	-0.319	-0.363	0.152
A011446_01	At3g03550	expressed protein; protein id: At3g03550.1	0.093	0.387	0.498	1.088
A011452_01	At3g33520	putative actin; protein id: At3g33520.1	-0.257	-0.143	0.05	0.077
A011455_01	At3g10970	expressed protein; protein id: At3g10970.1	-0.717	-0.85	-0.333	-0.251
A011460_01	At3g02300	unknown protein; protein id: At3g02300.1	NA	-0.247	-0.232	-0.21
A011461_01	At3g04600	putative tryptophanyl-tRNA synthetase; protein id: A	0.147	0.358	0.077	0.13
A011462_01	At3g04630	expressed protein; protein id: At3g04630.1	0.629	0.746	0.667	1.077
A011471_01	At3g53110	DEAD/DEAH box RNA helicase protein, putative; pr	-0.31 NA	NA		0.04
A011472_01	At3g10060	FKBP-type peptidyl-prolyl cis-trans isomerase, puta	-0.061	-0.015	-0.276	-0.732
A011474_01	At3g30300	auxin-independent growth promoter, putative; protei	0.47	0.563	0.177	0.79
A011478_01	At3g03950	expressed protein; protein id: At3g03950.1	-0.413 NA		-0.82	-0.664
A011479_01	At3g03980	putative short-chain type dehydrogenase/reductase	0.735	0.69	0.538	0.373
A011480_01	At3g17050	unknown protein; protein id: At3g17050.1	0.173	0.128	0.34	-0.038
A011486_01	At3g06310	expressed protein; protein id: At3g06310.1	0.4	0.598	0.282	-0.097
A011487_01	At3g06300	expressed protein; protein id: At3g06300.1	0.307 NA		-0.218	-0.147

A011489_01	At3g24450	expressed protein; protein id: At3g24450.1	-0.014	0.107	0.595	0.196
A011491_01	At3g24480	disease resistance protein, putative; protein id: At3g24480.1	0.776	0.856 NA	NA	
A011505_01	At3g52840	glycosyl hydrolase family 35 (beta-galactosidase); p	-0.62	-0.345	-0.397	-0.281
A011508_01	At3g03090	hypothetical protein; protein id: At3g03090.1	0.782	0.665	0.27	0.638
A011510_01	At3g03180	unknown protein; protein id: At3g03180.1	-0.538	-0.435	-0.173	-0.902
A011511_01	At3g05760	expressed protein; protein id: At3g05760.1	0.264	0.151	0.431	0.197
A011512_01	At3g57570	hypothetical protein; protein id: At3g57570.1	-0.429	-0.531 NA		-0.414
A011521_01	At3g02060	DEAD/DEAH box helicase protein, putative; protein	0.516	0.34	0.094	0.463
A011522_01	At3g07300	hypothetical protein; protein id: At3g07300.1	0.316	0.043	-0.063	0.048
A011523_01	At3g07200	putative RING zinc finger protein; protein id: At3g07200.1	1.135	1.216	1.234	1.559
A011526_01	At3g09860	unknown protein; protein id: At3g09860.1	0.005	0.14	-0.239	-0.656
A011532_01	At3g49780	putative protein; protein id: At3g49780.1	-2.845	-2.768	-2.202	-3.759
A011533_01	At3g06980	DEAD/DEAH box RNA helicase protein, putative; pr	0.503	0.221	-0.636	-0.317
A011535_01	At3g49800	putative protein; protein id: At3g49800.1	-0.42	-0.65	-0.097	-0.234
A011536_01	At3g49810	putative protein; protein id: At3g49810.1	0.341	0.062	0.094 NA	
A011539_01	At3g07030	unknown protein; protein id: At3g07030.1	0.181	0.297	0.175	0.061
A011540_01	At3g49850	myb-like protein; protein id: At3g49850.1	-0.011	0.213	0.159	0.369
A011541_01	At3g07050	putative GTPase; protein id: At3g07050.1	0.298	0.336	0.634	0.812
A011544_01	At3g02910	expressed protein; protein id: At3g02910.1	-0.655	-0.692	-0.009	-0.155
A011546_01	At3g04310	hypothetical protein; protein id: At3g04310.1	-0.36 NA		-0.289	-0.658
A011548_01	At3g04290	putative GDSL-motif lipase/acylhydrolase; protein ic	2.461	1.681	1.538	2.491
A011550_01	At3g04140	unknown protein; protein id: At3g04140.1	-1.632	-1.799	-0.845	-1.119
A011557_01	At3g02660	putative tyrosyl-tRNA synthetase; protein id: At3g02660.1	0.548	0.566	0.269	0.478
A011566_01	At3g57990	putative protein; protein id: At3g57990.1	-0.284	-0.395	-0.17	-0.442
A011569_01	At3g06130	expressed protein; protein id: At3g06130.1	0.623	0.343	0.628	0.606
A011571_01	At3g09670	PWWP domain protein; protein id: At3g09670.1	0.342	0.265 NA		0.828
A011574_01	At3g21750	UDP-glycosyltransferase family; protein id: At3g21750.1	-0.57	-0.472	-0.097	-0.485
A011575_01	At3g47836	expressed protein; protein id: At3g47836.1	0.021	0.3	0.018	-0.215
A011576_01	At3g51030	thioredoxin h; protein id: At3g51030.1	-0.538	-0.469	-0.065	-0.835
A011584_01	At3g08010	expressed protein; protein id: At3g08010.1	-0.382	-0.412	-0.443	-0.601
A011585_01	At3g08020	unknown protein; protein id: At3g08020.1	-0.433	-0.996 NA		-0.427
A011589_01	At3g06270	protein phosphatase 2C (PP2C); protein id: At3g06270.1	-0.352	-0.35 NA		-0.772
A011592_01	At3g11890	expressed protein; protein id: At3g11890.1	-0.276 NA	NA		-0.231
A011593_01	At3g48050	putative protein; protein id: At3g48050.1	-0.727 NA		-0.899	-0.719
A011600_01	At3g51260	20S proteasome alpha subunit D (PAD1); protein id	0.468	0.562	0.28	0.451
A011601_01	At3g20820	disease resistance protein family (LRR); protein id: .	0.282	0.273	0.591	0.953
A011604_01	At3g60300	putative protein; protein id: At3g60300.1	-0.24	-0.47	-0.112	-0.235
A011606_01	At3g55120	chalcone isomerase; protein id: At3g55120.1	1.001	1.08	0.807	0.934
A011607_01	At3g52340	expressed protein; protein id: At3g52340.1	-0.77	-0.99	-0.775	-0.667
A011610_01	At3g23580	ribonucleoside-diphosphate reductase small chain;	-0.259	-0.133	0.027	0.382
A011611_01	At3g27750	unknown protein; protein id: At3g27750.1	0.32	0.618	0.551	0.402
A011613_01	At3g23640	glycosyl hydrolase family 31; protein id: At3g23640.1	-0.636 NA		-1.175	-1.258
A011614_01	At3g14240	subtilisin-like serine protease; protein id: At3g14240.1	1.265	-0.567	0.776	1.228
A011619_01	At3g13670	casein kinase, putative; protein id: At3g13670.1	0.109	-0.746	-0.741	-0.494
A011622_01	At3g21250	ABC transporter family protein; protein id: At3g21250.1	-1.172	-1.336	-0.93	-0.979
A011624_01	At3g57070	putative protein; protein id: At3g57070.1	NA	NA	-0.201	-0.178
A011625_01	At3g02540	putative RAD23; protein id: At3g02540.1	0.021	-0.038	-0.093	0.035
A011629_01	At3g45240	serine/threonine-protein kinase-like protein; protein	-0.17	-0.054	0.099	0.197
A011630_01	At3g05380	unknown protein; protein id: At3g05380.1	-0.12	-0.276 NA		0.185
A011631_01	At3g61260	putative DNA-binding protein; protein id: At3g61260.1	-1.206	-1.231	-1.054	-1.707
A011634_01	At3g54210	ribosomal protein L17-like protein; protein id: At3g54210.1	0.759	0.534	0.422	0.247
A011637_01	At3g18860	expressed protein; protein id: At3g18860.1	0.153 NA	NA		-0.214
A011650_01	At3g09200	putative 60S acidic ribosomal protein P0; protein id:	0.612	0.561	0.505	0.742
A011652_01	At3g13330	hypothetical protein; protein id: At3g13330.1	-0.268	-0.674 NA	NA	
A011653_01	At3g20870	expressed protein; protein id: At3g20870.1	0.299	0.422	0.504	0.723
A011654_01	At3g10260	expressed protein; protein id: At3g10260.1	-0.388	-0.322	0.066	-0.095
A011655_01	At3g18370	expressed protein; protein id: At3g18370.1	-0.353	-0.709 NA		-0.634
A011658_01	At3g17790	acid phosphatase type 5; protein id: At3g17790.1	-0.684	-0.864	-0.226	0.348
A011661_01	At3g53470	putative protein; protein id: At3g53470.1	-0.547	-0.377	-0.131	-0.478
A011662_01	At3g01980	putative dehydrogenase; protein id: At3g01980.1	1.171	0.969	0.769	1.324
A011663_01	At3g03790	unknown protein; protein id: At3g03790.1	0.043	-0.111	0.269	0.731
A011665_01	At3g07850	exopolysaccharuronase; protein id: At3g07850.1	-0.123	-0.422	-0.181	-0.015
A011666_01	At3g13180	sun protein (fmu protein), putative; protein id: At3g13180.1	0.936	0.986	0.714	1.113
A011671_01	At3g04400	ribosomal protein L17, putative; protein id: At3g04400.1	0.445	0.726	0.797	1.333
A011672_01	At3g06670	hypothetical protein; protein id: At3g06670.1	-0.003 NA	NA		-0.799
A011673_01	At3g09440	heat-shock protein (At-hsc70-3); protein id: At3g09440.1	-0.493	-0.136	0.861	1.165
A011674_01	At3g48560	acetolactate synthase; protein id: At3g48560.1	0.332	0.337	-0.005	-0.016
A011675_01	At3g02350	expressed protein; protein id: At3g02350.1	0.329 NA		-0.006	-0.208

A011677_01	At3g45600	putative protein; protein id: At3g45600.1	-0.98	-1.187	-0.46	-0.669
A011678_01	At3g54960	protein disulfide-isomerase-like protein; protein id: A	1.033	0.856	0.447	0.833
A011687_01	At3g14100	oligouridylate binding protein (UBP1), putative; prote	-0.354	-0.108	-0.055	-0.045
A011689_01	At3g50060	myb DNA-binding protein (MYB77); protein id: At3g:	0.769	0.955	0.243	0.344
A011691_01	At3g20290	expressed protein; protein id: At3g20290.1	-0.506 NA		-0.543	-0.087
A011692_01	At3g54050	fructose-bisphosphatase precursor; protein id: At3g:	-0.851	-0.658	-0.775	-0.923
A011693_01	At3g25545	A.t. chromosome III BAC F14P13 genomic sequenc	-0.006 NA		0.244	-0.038
A011694_01	At3g18490	putative chloroplast nucleoid DNA-binding protein; p	-0.906	-0.744	-0.272	-0.419
A011695_01	At3g07630	putative P-protein: chorismate mutase, prephenate	0.276	0.13	-0.179	0.356
A011696_01	At3g60240	protein synthesis initiation factor - like; protein id: At	-0.038 NA		0.007	-0.128
A011700_01	At3g20410	calmodulin-domain protein kinase CDPK isoform 9;	-0.298	0.241	-0.183	0.19
A011703_01	At3g24180	unknown protein; protein id: At3g24180.1	-0.118 NA	NA	NA	
A011712_01	At3g28450	leucine-rich repeat transmembrane protein kinase, p NA		NA	-0.59	-0.588
A011713_01	At3g28460	unknown protein; protein id: At3g28460.1 NA		NA	0.55	0.726
A011716_01	At3g48070	putative protein; protein id: At3g48070.1	-0.768	-0.688	-0.568	-0.635
A011717_01	At3g11830	putative T-complex protein 1, ETA subunit; protein i	0.351	0.431	0.401	0.912
A011718_01	At3g11280	myb-family transcription factor, putative; protein id: ,	-1.258 NA		-0.319	-0.159
A011719_01	At3g15920	hypothetical protein; protein id: At3g15920.1	0.108 NA		-0.95	-0.135
A011720_01	At3g62830	dTDP-glucose 4-6-dehydratase homolog D18; prote	0.279	0.404	0.25	0.434
A011722_01	At3g46040	cytoplasmic ribosomal protein S15a -like; protein id:	0.579	0.566	0.487	0.609
A011724_01	At3g53540	putative protein; protein id: At3g53540.1	-0.32	-0.155	-0.08	0.53
A011725_01	At3g45740	putative protein; protein id: At3g45740.1	-0.598 NA	NA		0.239
A011726_01	At3g15353	expressed protein; protein id: At3g15353.1	-3.646	-3.404	-1.642	-2.056
A011728_01	At3g14200	hypothetical protein; protein id: At3g14200.1	-0.178	-0.007	0.471	0.333
A011732_01	At3g62420	bZIP family transcription factor; protein id: At3g6242	-1.084	-1.025	-0.865	-0.722
A011740_01	At3g54810	GATA zinc finger protein; protein id: At3g54810.1 NA		NA	-0.176	-0.033
A011743_01	At3g19290	abscisic acid responsive elements-binding factor; pr	0.022	-1.258	-0.767	-1.167
A011749_01	At3g14080	Sm protein, putative; protein id: At3g14080.1	0.708	0.653 NA		0.291
A011750_01	At3g58740	citrate synthase -like protein; protein id: At3g58740.	-0.956	-0.778 NA		-1.07
A011752_01	At3g03740	expressed protein; protein id: At3g03740.1	-0.046	-0.038	0.044	-0.117
A011755_01	At3g04730	auxin-induced protein; protein id: At3g04730.1	-1.191	-1.056	-0.943	-0.327
A011757_01	At3g60750	transketolase - like protein; protein id: At3g60750.1	-0.026	-0.15	-0.337	-0.138
A011758_01	At3g11690	expressed protein; protein id: At3g11690.1	-0.633	-0.574	-0.319	-0.477
A011760_01	At3g48750	cyclin-dependent kinase A;1; protein id: At3g48750.	0.442	0.434	0.372	0.715
A011761_01	At3g05000	unknown protein; protein id: At3g05000.1	0.926	0.906	0.676	0.459
A011762_01	At3g15090	zinc-binding dehydrogenase, putative; protein id: At	0.735	0.482	0.462	0.663
A011763_01	At3g14990	4-methyl-5(b-hydroxyethyl)-thiazole monophosphate	-1.299	-1.39	-1.008	-0.602
A011764_01	At3g24050	GATA transcription factor 1 (AtGATA-1); protein id:	-0.423	-0.392	-0.08	-0.602
A011766_01	At3g23750	receptor-like kinase, putative; protein id: At3g23750	0.601	0.535	0.106	0.392
A011767_01	At3g13550	E2, ubiquitin-conjugating enzyme, putative; protein i	-0.964	-0.667	-0.486	-1.626
A011769_01	At3g62820	putative protein; protein id: At3g62820.1	-0.77	-0.474	0.083	-0.237
A011770_01	At3g03890	auxin-regulated protein; protein id: At3g03890.1	-0.725	-0.946	-0.352	-0.719
A011772_01	At3g49240	putative protein; protein id: At3g49240.1	1.032	0.77	0.851	1.07
A011773_01	At3g01040	unknown protein; protein id: At3g01040.1	0.075 NA	NA		-0.404
A011774_01	At3g23900	RRM-containing protein; protein id: At3g23900.1	0.294	0.109	0.045	0.247
A011775_01	At3g52880	monodehydroascorbate reductase, putative; protein	-0.328	-0.522	-0.146	0.136
A011777_01	At3g13445	transcription initiation factor TFIID-1 (TATA sequenc	-1.559 NA		-0.851	-1.221
A011778_01	At3g57040	responce reactor 4; protein id: At3g57040.1	-0.388	-0.128	0.187	0.117
A011779_01	At3g24030	hydroxyethylthiazole kinase, putative; protein id: At3;	0.167	0.117	0.196	-0.017
A011780_01	At3g15355	hypothetical protein; protein id: At3g15355.1	-0.3 NA		-0.11	-0.36
A011781_01	At3g51920	putative calmodulin; protein id: At3g51920.1	-2.254	-2.66	-1.017	-2.689
A011782_01	At3g52140	putative protein; protein id: At3g52140.1	0.234	0.323	0.384	0.441
A011784_01	At3g04790	putative ribose 5-phosphate isomerase; protein id: A	0.624	0.41	0.176	0.412
A011788_01	At3g21360	unknown protein; protein id: At3g21360.1	-0.997	-0.634	-0.437	-0.684
A011793_01	At3g47070	putative protein; protein id: At3g47070.1	-0.34	-0.519	-0.591	-1.099
A011795_01	At3g63160	putative protein; protein id: At3g63160.1	-0.157	-0.19	-0.262	-0.887
A011797_01	At3g47510	putative protein; protein id: At3g47510.1	-0.33 NA		0.265	-0.154
A011798_01	At3g62010	putative protein; protein id: At3g62010.1	-0.362	-0.523	-0.267	-0.245
A011800_01	At3g47470	light-harvesting chlorophyll a/b binding protein; prote	-0.633	-0.929	-0.525	-0.675
A011802_01	At3g03330	unknown protein; protein id: At3g03330.1	-0.41	-0.252	-0.134	-0.174
A011806_01	At3g58570	DEAD/DEAH box RNA helicase protein, putative; pr	-0.245	0.217	0.123	-0.098
A011807_01	At3g03150	expressed protein; protein id: At3g03150.1	-1.053	-1.069	-0.314	-1.064
A011808_01	At3g56130	putative protein; protein id: At3g56130.1	0.7	0.832	0.808	1.196
A011810_01	At3g04720	hevein-like protein precursor (PR-4); protein id: At3g	-2.255	-2.028	-1.624	-1.822
A011811_01	At3g19710	branched-chain amino acid aminotransferase, putat	-4.023 NA	NA	NA	
A011812_01	At3g45310	cysteine proteinase AALP, putative; protein id: At3g	0.071	0.099 NA		0.301
A011813_01	At3g58500	protein phosphatase PP2A catalytic subunit; protein	-0.382	0.026	-0.152	0.458
A011814_01	At3g52930	fructose bisphosphate aldolase - like protein; protei	0.394	0.47	0.544	1.088

A011816_01	At3g50690	putative protein; protein id: At3g50690.1	-0.21	-0.29	-0.487	-0.723
A011817_01	At3g50700	zinc finger protein; protein id: At3g50700.1	-0.76	-0.846	-0.324	-0.932
A011819_01	At3g61890	homeobox-leucine zipper protein ATHB-12; protein	-2.715	-3.215	-1.352	-1.648
A011820_01	At3g56360	putative protein; protein id: At3g56360.1	-1.638	-1.906	-0.972	-1.983
A011822_01	At3g58610	ketol-acid reductoisomerase; protein id: At3g58610.	1.043	0.773	0.421	0.971
A011825_01	At3g51040	putative protein; protein id: At3g51040.1	-0.291	NA	-0.03	-0.135
A011826_01	At3g62980	transport inhibitor response 1 (TIR1), AtFBL1; prote	-0.003	-0.124	-0.342	-0.467
A011830_01	At3g16000	myosin heavy chain-like protein; protein id: At3g160	0.28	0.246	-0.165	-0.137
A011831_01	At3g51130	putative protein; protein id: At3g51130.1	-1.345	-1.262	-0.442	-0.824
A011838_01	At3g47120	RRM-containing RNA-binding protein, putative; prot	-0.011	-0.218	NA	-0.09
A011842_01	At3g29075	hypothetical protein; protein id: At3g29075.1	0.22	0.011	0.377	0.056
A011843_01	xxxx	b/t early light-induced protein; protein id: At3g22840	0.153	0.457	0.392	0.53
A011844_01	At3g57190	putative protein; protein id: At3g57190.1	-0.451	-0.671	-0.422	-0.343
A011852_01	At4g27040	SNF8 like protein; protein id: At4g27040.1	-0.075	-0.088	-0.04	0.183
A011853_01	At3g08890	expressed protein; protein id: At3g08890.1	0.099	-0.102	0.15	0.304
A011854_01	At3g45640	mitogen-activated protein kinase 3; protein id: At3g4	-1.26	-1.529	-0.621	-0.882
A011855_01	At3g50000	casein kinase II, alpha chain 2 (CK II); protein id: At	-0.062	0.006	0.047	0.275
A011856_01	At3g53570	protein kinase (AME2/AFC1); protein id: At3g53570	-0.324	NA	-0.113	-0.228
A011858_01	At3g54080	putative protein; protein id: At3g54080.1	0.863	0.625	0.744	0.768
A011859_01	At3g61140	COP9 complex subunit, FUS6; protein id: At3g6114	0.33	0.272	0.213	0.62
A011861_01	At3g54820	aquaporin/MIP - like protein; protein id: At3g54820.	1.548	1.494	1.096	1.505
A011862_01	At3g54140	peptide transport - like protein; protein id: At3g5414	-2.146	-2.258	-1.542	-2.045
A011864_01	At3g54200	putative protein; protein id: At3g54200.1	-0.705	NA	NA	-1.377
A011865_01	At3g54220	scarecrow1; protein id: At3g54220.1	0.112	0.207	NA	0.373
A011866_01	At3g47900	putative protein; protein id: At3g47900.1	-0.158	-0.169	-0.064	0.332
A011870_01	At3g48430	similar to zinc finger protein - like; protein id: At3g48	0.535	0.114	NA	0.461
A011872_01	At3g61520	putative protein; protein id: At3g61520.1	1.043	NA	NA	1.009
A011874_01	At3g61570	putative protein; protein id: At3g61570.1	-0.421	-0.497	-0.292	-0.929
A011875_01	At3g57690	arabinogalactan-protein, putative (AGP23); protein i	-0.54	-0.661	-0.89	-1.432
A011877_01	At3g57650	1-acylcerol-3-phosphate acyltransferase - like protei	0.236	-0.079	0.199	0.172
A011881_01	At3g61710	AtAPG6; putative protein; protein id: At3g61710.1	-0.546	-0.43	-0.116	-0.3
A011885_01	At3g61780	putative protein; protein id: At3g61780.1	0.441	0.431	0.259	0.381
A011887_01	At3g52070	putative protein; protein id: At3g52070.1	-1.262	NA	NA	NA
A011888_01	At3g61130	putative protein; protein id: At3g61130.1	0.681	0.614	0.035	0.173
A011889_01	At3g61210	putative protein; protein id: At3g61210.1	NA	NA	NA	NA
A011890_01	At3g52090	DNA-directed RNA polymerase II 13.6K chain; prote	0.652	0.414	0.507	0.52
A011895_01	At3g50780	putative protein; protein id: At3g50780.1	0.411	0.325	0.357	0.795
A011896_01	At3g07820	polygalacturonase, putative; protein id: At3g07820.1	-0.994	-0.741	-1.521	-1.321
A011901_01	At3g56740	putative protein; protein id: At3g56740.1	-0.299	-0.207	NA	-0.155
A011903_01	At3g56770	bHLH protein; protein id: At3g56770.1	-0.004	0.126	NA	0.067
A011910_01	At3g22630	20S proteasome beta subunit D (PBD1); protein id:	0.629	0.554	0.649	0.963
A011912_01	At3g45300	isovaleryl-CoA-dehydrogenase precursor (IVD); pro	-2.677	-2.492	-1.945	-2.546
A011915_01	At3g52910	putative protein; protein id: At3g52910.1	0.943	1.052	0.895	0.997
A011921_01	At3g53030	serine protein kinase - like; protein id: At3g53030.1	-0.345	NA	NA	-0.533
A011932_01	At3g61930	hypothetical protein; protein id: At3g61930.1	-1.984	-2.001	-0.92	-1.983
A011935_01	At3g62460	putative protein; protein id: At3g62460.1	0.591	0.597	0.788	0.764
A011936_01	At3g26780	unknown protein; protein id: At3g26780.1	0.405	NA	0.476	0.668
A011941_01	At3g16170	putative long-chain acyl-CoA synthetase; protein id:	0.293	0.604	NA	1.271
A011942_01	At3g56040	putative protein; protein id: At3g56040.1	0.483	0.529	-0.156	0.246
A011946_01	At3g26640	transcriptional regulator protein, putative; protein id:	-0.029	-0.113	-0.426	-0.219
A011949_01	At3g57150	putative protein; protein id: At3g57150.1	0.777	0.916	0.865	1.109
A011950_01	At3g47700	putative protein; protein id: At3g47700.1	-0.176	-0.315	NA	-0.111
A011957_01	At3g06210	hypothetical protein; protein id: At3g06210.1	-0.845	-0.947	-0.703	-0.96
A011963_01	At3g27960	hypothetical protein; protein id: At3g27960.1	-1.352	-1.625	-1.525	-1.717
A011965_01	At3g56450	alpha-soluble NSF attachment protein-like; protein i	-0.476	-0.176	NA	0.32
A011966_01	At3g53520	dTDP-glucose 4-6-dehydratase -like protein; protein	0.088	-0.006	-0.183	0.011
A011967_01	At3g20920	expressed protein; protein id: At3g20920.1	0.053	0.101	0.207	0.333
A011976_01	At3g10910	putative RING zinc finger protein; protein id: At3g10	-2.249	NA	-0.637	-1.949
A011977_01	At3g54380	T12E18.70	-0.157	-0.374	-0.241	-0.093
A011978_01	At3g63190	putative protein; protein id: At3g63190.1	1.038	0.543	0.523	0.5
A011985_01	At3g53780	putative protein; protein id: At3g53780.1	-0.48	-0.707	-0.544	-0.619
A011986_01	xxxx	b/t hypothetical protein At3g13880.1 & myb family tr	0.653	0.613	0.755	0.737
A011988_01	At3g17465	ribosomal protein L3; protein id: At3g17465.1	1.016	0.78	0.689	0.807
A011992_01	At3g59360	transporter-like protein; protein id: At3g59360.1	0.084	0.104	-0.424	-0.096
A011995_01	At3g16640	translationally controlled tumor protein-like protein; p	-0.655	-0.559	-0.322	-0.401
A011996_01	At3g09650	hypothetical protein; protein id: At3g09650.1	-0.247	-0.275	NA	-0.037
A012001_01	At3g06780	expressed protein; protein id: At3g06780.1	-1.45	-1.101	-0.58	-1.244
A012008_01	At3g02710	unknown protein; protein id: At3g02710.1	1.103	0.725	0.541	0.604

A012009_01	At3g47850	putative protein; protein id: At3g47850.1	-0.099	-0.054	NA		-0.241
A012010_01	At3g44110	DnaJ protein homolog atj3; protein id: At3g44110.1	-0.482	-0.269		0.092	0.418
A012011_01	At3g02690	expressed protein; protein id: At3g02690.1		-0.283	NA	-0.019	-0.031
A012012_01	At3g58760	putative protein; protein id: At3g58760.1	-0.046	NA		-0.373	-0.045
A012013_01	At3g22410	hypothetical protein; protein id: At3g22410.1	-0.38	NA		0.254	-0.294
A012014_01	At3g06860	fatty acid multifunctional protein (AtMFP2); protein i	-0.579	-0.918		-0.146	-0.408
A012021_01	At3g02630	putative stearyl-acyl carrier protein desaturase; prc	0.705	0.677		0.499	0.865
A012028_01	At3g16370	putative APG protein; protein id: At3g16370.1	1.241	0.76		0.841	1.449
A012030_01	At3g02480	expressed protein; protein id: At3g02480.1	-0.664	-0.565		-0.701	-1.406
A012031_01	At3g02880	leucine-rich repeat transmembrane protein kinase, γ	0.508	NA		-0.077	-0.393
A012033_01	At3g04260	hypothetical protein; protein id: At3g04260.1	0.482	0.044		0.063	-0.178
A012039_01	At3g02560	putative 40S ribosomal protein; protein id: At3g02560.1	1.011	0.627		0.697	1.174
A012043_01	At3g22680	unknown protein; protein id: At3g22680.1	0.073	0.118		0.646	0.325
A012046_01	At3g44150	putative protein; protein id: At3g44150.1	0.131	NA		0.357	NA
A012049_01	At3g02875	IAA-amino acid hydrolase (ILR1); protein id: At3g02875.1	-1.273	-1.571		-1.205	-1.519
A012050_01	At3g02900	unknown protein; protein id: At3g02900.1	0.516	0.579		0.536	0.015
A012060_01	At3g11800	expressed protein; protein id: At3g11800.1	0.473	0.303		0.408	0.184
A012066_01	At3g06190	expressed protein; protein id: At3g06190.1	-0.278	-0.238		-0.38	-0.827
A012068_01	At3g09890	expressed protein; protein id: At3g09890.1	0.476	NA	NA		0.335
A012069_01	At3g55410	2-oxoglutarate dehydrogenase, E1 subunit - like pro	0.753	0.286		0.136	0.397
A012075_01	At3g19930	monosaccharide transport protein, STP4; protein id:	-0.524	NA		-0.533	-1.398
A012076_01	At3g50950	disease resistance protein (CC-NBS-LRR class), pu	-0.404	-0.807		-0.473	-0.914
A012078_01	At3g52120	gamma response I protein; protein id: At3g52120.1	-0.398	-0.559		-0.122	-0.384
A012079_01	At3g26730	RING zinc finger protein, putative; protein id: At3g26730.1	0.005	-0.153		-0.14	-0.218
A012080_01	At3g12610	DNA-damage-repair/tolerance protein, putative (DR	0.733	0.744		1.265	1.664
A012084_01	At3g23910	HAPp48,5 protein; protein id: At3g23910.1	0.178	-0.057		0.298	0.594
A012085_01	At3g16940	calmodulin-binding protein; protein id: At3g16940.1	-0.679	-1.228	NA		-0.87
A012086_01	At3g17000	E2, ubiquitin-conjugating enzyme, putative; protein i	-1.238	-1.316		-0.159	-0.424
A012088_01	At3g07170	expressed protein; protein id: At3g07170.1	0.139	0.42		0.52	0.773
A012091_01	At3g26280	cytochrome p450 family; protein id: At3g26280.1	NA	NA	NA	NA	NA
A012092_01	At3g17090	protein phosphatase-2c, putative; protein id: At3g17090.1	0.277	0.341		0.26	0.674
A012093_01	At3g07230	putative wound-induced basic protein; protein id: At3g07230.1	0.601	0.741		0.931	0.716
A012098_01	At3g06620	protein kinase, putative; protein id: At3g06620.1	-0.136	-0.378		-0.125	-0.083
A012104_01	At3g25165	expressed protein; protein id: At3g25165.1	-0.343	-0.559		-1.034	-2.256
A012108_01	At3g03160	expressed protein; protein id: At3g03160.1	0.497	0.609		0.53	0.29
A012113_01	At3g02750	protein phosphatase 2C (PP2C); protein id: At3g02750.1	-1.255	-0.888		-1.01	-0.39
A012115_01	At3g18680	uridylate kinase, putative; protein id: At3g18680.1	1.151	1.042		0.697	1.146
A012116_01	At3g12520	sulphate transporter, putative; protein id: At3g12520.1	-0.017	-0.162	NA		-0.886
A012117_01	At3g09410	pectinacetyltransferase family; protein id: At3g09410.1	0.049	0.175		0.382	0.533
A012119_01	At3g47420	putative protein; protein id: At3g47420.1	-1.318	-1.088		-0.1	-0.318
A012120_01	At3g18750	mitogen activated protein kinase kinase, putative; p	0.568	NA		0.068	0.468
A012123_01	At3g18773	pseudogene, unknown protein	-1.522	NA		-0.498	-1.67
A012125_01	At3g18790	unknown protein; protein id: At3g18790.1	0.09	NA		0.416	0.594
A012126_01	At3g09320	expressed protein; protein id: At3g09320.1	-0.292	-0.691		-0.588	-0.43
A012127_01	At3g29270	unknown protein; protein id: At3g29270.1	-0.434	NA		-0.474	-0.63
A012129_01	At3g61080	putative protein; protein id: At3g61080.1	-0.144	-0.194		-0.695	-0.648
A012130_01	At3g05550	unknown protein; protein id: At3g05550.1	0.219	0.34		0.497	0.385
A012131_01	At3g05560	putative 60S ribosomal protein L22; protein id: At3g05560.1	0.982	0.627		0.866	1.203
A012132_01	At3g29220	hypothetical protein; protein id: At3g29220.1	0.766	0.511		0.548	0.415
A012134_01	At3g05670	unknown protein; protein id: At3g05670.1	-0.135	-0.887	NA		-0.575
A012141_01	At3g54890	light-harvesting chlorophyll a/b binding protein; prote	0.039	-0.339		-0.209	-0.368
A012144_01	xxxx	b/t expressed protein; protein id: At3g08840.1 and p	-0.463	NA	NA		-0.762
A012145_01	At3g04940	putative cysteine synthase; protein id: At3g04940.1	0.225	-0.315		0.08	0.077
A012149_01	At3g08880	hypothetical protein; protein id: At3g08880.1	0.18	-0.187		-0.135	-0.315
A012150_01	At3g13570	arginine/serine-rich splicing factor SCL30a; protein i	0.306	-0.179		0.348	0.154
A012155_01	At3g03990	expressed protein; protein id: At3g03990.1	-1.232	-0.942		-0.243	-0.598
A012158_01	At3g01370	unknown protein; protein id: At3g01370.1	0.557	0.285		-0.148	0.007
A012159_01	At3g09950	hypothetical protein; protein id: At3g09950.1	-0.543	-0.318		-0.19	-1.043
A012163_01	At3g10150	hypothetical protein; protein id: At3g10150.1	-0.475	-0.498	NA		0.534
A012167_01	At3g62120	multifunctional aminoacyl-tRNA ligase-like protein; γ	0.876	0.613		0.497	0.976
A012168_01	At3g01320	unknown protein; protein id: At3g01320.1	-0.435	-0.822	NA		-0.393
A012171_01	At3g04780	expressed protein; protein id: At3g04780.1	0.433	-0.08		0.321	0.167
A012174_01	At3g51500	putative protein; protein id: At3g51500.1	-0.441	-0.396		0.068	-0.694
A012175_01	At3g51510	putative protein; protein id: At3g51510.1	-0.107	-0.087		-0.612	-0.485
A012176_01	At3g51520	putative protein; protein id: At3g51520.1	-0.548	-0.284		-0.576	-0.578
A012178_01	At3g04760	expressed protein; protein id: At3g04760.1	-0.153	-0.466		-0.64	-0.311
A012184_01	At3g02290	expressed protein; protein id: At3g02290.1	-1.105	-0.747		-0.168	0.2
A012185_01	At3g51160	GDP-D-mannose-4,6-dehydratase (MUR1); protein	0.739	0.47		0.35	0.307

A012186_01	At3g02130	leucine-rich repeat transmembrane protein kinase, Ꞥ	-0.55	-0.578	-0.551	-0.852
A012193_01	At3g01850	putative D-ribulose-5-phosphate 3-epimerase; prote	-0.575	-0.344	-0.159	-0.265
A012200_01	At3g10940	expressed protein; protein id: At3g10940.1	0.879	0.843	0.321	0.492
A012203_01	At3g14930	uroporphyrinogen decarboxylase, putative; protein id:	0.841	0.677	0.08	0.424
A012207_01	At3g26520	gamma tonoplast intrinsic protein; protein id: At3g26	-0.469	-0.52	-0.232	-1.085
A012210_01	At3g18524	hypothetical protein; protein id: At3g18524.1	0.272	0.12	-0.005	-0.26
A012213_01	At3g12120	omega-6 fatty acid desaturase, endoplasmic reticul	0.525	0.412	-0.163	0.248
A012214_01	At3g61470	light-harvesting chlorophyll a/b binding protein; prote	-1.13	-1.06	-0.584	-0.681
A012215_01	At3g06483	putative pyruvate dehydrogenase kinase; protein id:	-0.182	-0.624	-0.687	-1.158
A012218_01	At3g58560	putative protein; protein id: At3g58560.1	0.169	0.046	-0.068	0.174
A012219_01	At3g01740	expressed protein; protein id: At3g01740.1	0.062	0.059	0.347	-0.054
A012221_01	At3g60250	regulatory subunit of protein kinase CK2; protein id:	-0.248	-0.226	0.103	0.142
A012223_01	At3g20015	hypothetical protein; protein id: At3g20015	0.454	NA	0.325	0.712
A012229_01	At3g01590	expressed protein; protein id: At3g01590.1	-0.182	NA	-0.005	-0.009
A012231_01	At3g47440	aquaporin-like protein; protein id: At3g47440.1	-0.459	NA	NA	NA
A012234_01	At3g15260	protein phosphatase 2C (PP2C); protein id: At3g152	0.137	-0.07	0.249	0.163
A012237_01	At3g20230	expressed protein; protein id: At3g20230.1	0.566	0.254	0.66	0.333
A012239_01	At3g03590	expressed protein; protein id: At3g03590.1	0.417	0.535	0.806	0.589
A012247_01	At3g25040	ER lumen retaining receptor (HDEL receptor), putat	0.515	0.509	0.496	0.839
A012251_01	At3g18240	expressed protein; protein id: At3g18240.1	1.118	1.152	1.08	1.731
A012254_01	At3g54850	putative protein; protein id: At3g54850.1	-0.611	-0.412	-0.436	-0.182
A012256_01	At3g10320	unknown protein; protein id: At3g10320.1	-2.63	-2.636	NA	-1.593
A012257_01	At3g10340	putative phenylalanine ammonia-lyase; protein id: A	-2.879	-3.201	-1.332	NA
A012259_01	At3g07540	expressed protein; protein id: At3g07540.1	1.586	1.329	1.081	1.383
A012264_01	At3g08990	Yippee-like protein; protein id: At3g08990.1	1.033	0.794	0.443	0.598
A012272_01	At3g03940	putative casein kinase; protein id: At3g03940.1	-0.118	0.012	0.038	0.89
A012275_01	At3g07700	expressed protein; protein id: At3g07700.1	-1.753	-2.074	-1.362	-1.654
A012276_01	At3g21140	unknown protein; protein id: At3g21140.1	0.293	0.171	0.384	0.458
A012277_01	At3g07650	CONSTANS B-box zinc finger family protein; proteir	-0.47	-0.337	-0.003	-0.019
A012283_01	At3g22560	hypothetical protein; protein id: At3g22560.1	-2.086	-1.976	-1.075	NA
A012291_01	At3g13410	expressed protein; protein id: At3g13410.2	0.014	-0.379	-0.329	-0.032
A012293_01	At3g23325	expressed protein; protein id: At3g23325.1	0.065	0.37	0.437	0.248
A012294_01	At3g56950	putative protein; protein id: At3g56950.1	-0.462	-0.434	0.086	0.224
A012295_01	At3g61050	CaLB protein; protein id: At3g61050.1	0.433	0.13	0.19	-0.024
A012299_01	At3g05010	expressed protein; protein id: At3g05010.1	-0.433	-0.402	-0.262	-0.076
A012309_01	At3g28500	acidic ribosomal protein P2b (rpp2b), putative; prote	0.608	0.662	0.574	0.972
A012311_01	At3g05590	putative 60S ribosomal protein L18; protein id: At3g	0.811	0.377	0.588	0.883
A012313_01	At3g27530	expressed protein; protein id: At3g27530.1	-0.018	-0.476	-0.309	-0.49
A012321_01	At3g08550	hypothetical protein; protein id: At3g08550.1	0.59	NA	NA	-0.088
A012323_01	At3g15110	expressed protein; protein id: At3g15110.1	0.469	0.593	0.071	0.179
A012324_01	At3g56070	peptidylprolyl isomerase; protein id: At3g56070.1	1.042	1.133	1.312	1.66
A012325_01	At3g02470	S-adenosylmethionine decarboxylase; protein id: At	-0.433	-1.043	-0.743	-0.765
A012326_01	At3g08710	thioredoxin-like protein; protein id: At3g08710.1	-0.339	-0.49	-0.139	-0.077
A012331_01	At3g16240	delta tonoplast integral protein (delta-TIP); protein id:	0.608	0.602	0.513	1.352
A012332_01	At3g06500	neutral invertase, putative; protein id: At3g06500.1	-0.318	-0.846	-0.877	-0.693
A012334_01	At3g13120	30S ribosomal protein S10, putative; protein id: At3g	0.474	0.379	0.111	0.013
A012336_01	At3g57550	guanylate kinase-like protein; protein id: At3g57550	-0.127	-0.279	0.077	0.714
A012337_01	At3g45050	putative protein; protein id: At3g45050.1	0.634	0.744	0.403	0.195
A012340_01	At3g13990	hypothetical protein; protein id: At3g13990.1	0.143	-0.001	0.307	0.145
A012341_01	At3g12270	arginine N-methyltransferase 3, putative; protein id:	0.477	0.386	NA	0.544
A012351_01	At3g49690	myb family transcription factor (AtMYB84); protein id	0.415	0.602	0.355	0.022
A012353_01	At3g21530	unknown protein; protein id: At3g21530.1	0.344	0.162	-0.212	0.09
A012354_01	At3g11320	integral membrane protein, putative; protein id: At3g	-0.183	-0.172	-0.447	-0.571
A012357_01	At3g18040	putative MAP kinase; protein id: At3g18040.1	0.24	-0.057	0.133	0.184
A012360_01	At3g11310	hypothetical protein; protein id: At3g11310.1	-0.707	-0.922	-0.64	-1.144
A012364_01	At3g43220	putative protein; protein id: At3g43220.1	-0.315	0.186	-0.769	-0.024
A012366_01	At3g49870	ADP-RIBOSYLATION FACTOR -like protein; protei	-0.054	NA	NA	-0.497
A012367_01	At3g21650	B regulatory subunit of PP2A, putative; protein id: A	-0.809	-0.691	-1.085	-1.047
A012369_01	At3g44240	CCR4-associated factor 1-like protein; protein id: At	-1.366	NA	NA	NA
A012370_01	At3g23030	auxin-inducible gene (IAA2); protein id: At3g23030.	-0.516	-0.631	-0.541	-0.689
A012371_01	At3g55760	putative protein; protein id: At3g55760.1	0.39	0.666	0.537	0.576
A012372_01	At3g15530	expressed protein; protein id: At3g15530.1	-0.04	-0.087	0.249	0.106
A012373_01	At3g57785	expressed protein; protein id: At3g57785.1	-0.052	0.076	-0.305	0.041
A012375_01	At3g12680	hypothetical protein; protein id: At3g12680.1	-0.731	-0.901	-0.669	-0.744
A012377_01	At3g12690	protein kinase, putative; protein id: At3g12690.1	-0.024	NA	NA	-0.147
A012379_01	At3g16110	putative protein disulfide isomerase; protein id: At3g	-0.908	-1.53	-1.076	-1.848
A012381_01	At3g12730	regulatory protein of P-starvation acclimation respor	-0.554	-0.696	-0.293	-0.69
A012382_01	At3g55690	putative protein; protein id: At3g55690.1	0.622	0.418	0.615	1.154

A012385_01	At3g06040	hypothetical protein; protein id: At3g06040.1	-1.097	-1.096	-0.672	-0.936
A012386_01	At3g57810	auxin-regulated protein; protein id: At3g57810.1	-1.849 NA	NA	NA	
A012388_01	At3g05020	acyl carrier protein 1 precursor (ACP); protein id: At3g05020.1	0.389	0.259	-0.056	0.495
A012390_01	At3g48160	DP-E2F-like protein 1; protein id: At3g48160.1	0.287	0.36	0.372	0.797
A012393_01	At3g12540	hypothetical protein; protein id: At3g12540.1	0.542	0.565	0.485	0.843
A012396_01	At3g57960	hypothetical protein; protein id: At3g57960.1	-0.544	-0.94	-0.426	-0.213
A012397_01	At3g22220	hypothetical protein; protein id: At3g22220.1	-0.671	-1.043	-0.796	-0.372
A012398_01	At3g11650	hairpin-induced protein, putative (HIN1); protein id: At3g11650.1	-0.887	-0.626	-0.578	-0.501
A012400_01	At3g15330	hypothetical protein; protein id: At3g15330.1	-0.388	-0.657	-0.272	-0.254
A012402_01	At3g15250	hypothetical protein; protein id: At3g15250.1	0.364	0.169	-0.021	0.041
A012404_01	At3g12900	hypothetical protein; protein id: At3g12900.1	NA	-0.535	-0.81	-1.192
A012407_01	At3g19330	hypothetical protein; protein id: At3g19330.1	-0.038	-0.232	-0.004	0.096
A012410_01	At3g59350	protein kinase-like protein; protein id: At3g59350.1	-0.765 NA	NA	NA	-0.41
A012415_01	At3g19460	expressed protein; protein id: At3g19460.1	NA	NA	NA	NA
A012421_01	At3g19500	expressed protein; protein id: At3g19500.1	-0.784	-1.31	-1.13	-1.35
A012422_01	At3g06380	F-box containing tubby family protein; protein id: At3g06380.1	0.793	0.652	0.062	0.268
A012423_01	At3g16810	expressed protein; protein id: At3g16810.1	0.061	-0.583	-0.799	-0.732
A012425_01	At3g16840	DEAD/DEAH box RNA helicase, putative; protein id: At3g16840.1	0.153	0.086	-0.248	-1.133
A012428_01	At3g62610	myb family transcription factor; protein id: At3g62610.1	0.204	0.361	0.446	0.015
A012429_01	At3g29690	hypothetical protein; protein id: At3g29690.1	1.829	1.606	1.259	2.054
A012430_01	At3g59270	putative protein; protein id: At3g59270.1	-2.797	-3.814	-1.766	-2.133
A012440_01	At3g50620	hypothetical protein; protein id: At3g50620.1	-0.572 NA	NA	NA	NA
A012442_01	At3g17930	expressed protein; protein id: At3g17930.1	-0.965	-0.966	-0.897	-1.387
A012445_01	At3g18010	hypothetical protein; protein id: At3g18010.1	-0.267	-0.433	-0.036	-0.161
A012449_01	At3g23620	expressed protein; protein id: At3g23620.1	0.538	0.622	0.769	0.928
A012451_01	At3g15180	expressed protein; protein id: At3g15180.1	0.439	0.047	0.161	0.282
A012454_01	At3g50070	cyclin D3;3; protein id: At3g50070.1	1.22	0.994	0.817	1.255
A012458_01	At3g04120	glyceraldehyde-3-phosphate dehydrogenase C subunit; protein id: At3g04120.1	0.381	0.645	0.73	1.473
A012460_01	At3g61870	putative protein; protein id: At3g61870.1	0.545	0.444	0.326	-0.308
A012464_01	At3g21200	expressed protein; protein id: At3g21200.1	0.541	0.525	0.177	0.525
A012466_01	At3g21215	similar to RRM-containing protein; protein id: At3g21215.1	NA	NA	-0.168	-0.662
A012467_01	At3g21230	putative 4-coumarate:CoA ligase 2; protein id: At3g21230.1	-2.071 NA	NA	NA	NA
A012468_01	At3g53810	serine/threonine-specific kinase like protein; protein id: At3g53810.1	-1.202	-1.041	-0.741	-1.126
A012469_01	At3g29400	hypothetical protein; protein id: At3g29400.1	-0.16	-0.308 NA		-0.064
A012473_01	At3g48820	sialyltransferase family; protein id: At3g48820.1	0.644 NA		0.079	0.288
A012479_01	At3g13230	expressed protein; protein id: At3g13230.1	0.748	0.733	0.948	1.042
A012482_01	At3g46020	RRM-containing protein; protein id: At3g46020.1	-0.141	0.397	0.615	0.346
A012487_01	At3g42950	polygalacturonase, putative; protein id: At3g42950.1	-0.183	-0.364 NA		-0.073
A012493_01	At3g50100	exonuclease, putative; protein id: At3g50100.1	0.766	0.984	1.083	1.573
A012499_01	At3g18165	expressed protein; protein id: At3g18165.1	0.418	0.09	0.286	0.085
A012501_01	At3g43510	putative protein; protein id: At3g43510.1	0.269	-0.071	0.17	0.539
A012502_01	At3g07870	F-box protein family; protein id: At3g07870.1	-1.81	-1.785	-1.18	-1.559
A012504_01	At3g19770	expressed protein; protein id: At3g19770.1	-0.148	-0.284 NA		-0.499
A012513_01	At3g54360	RING finger - like protein; protein id: At3g54360.1	-0.859	-0.989	-0.437	-0.248
A012518_01	At3g60570	expansin family; protein id: At3g60570.1	-0.62	-0.565	-0.939	-1.081
A012526_01	At3g07770	putative heat-shock protein; protein id: At3g07770.1	1.123	0.952	0.892	1.196
A012527_01	At3g60370	FKBP-type peptidyl-prolyl cis-trans isomerase; protein id: At3g60370.1	NA	NA	0.116	-0.145
A012532_01	At3g19720	hypothetical protein; protein id: At3g19720.1	0.689	0.577	0.195	0.309
A012533_01	At3g54760	Putative protein; protein id: At3g54760.1	0.366	-0.031 NA		0.107
A012537_01	At3g54740	putative protein; protein id: At3g54740.1	0.151	-0.019	-0.065	0.282
A012543_01	At3g19000	expressed protein; protein id: At3g19000.1	-0.619	-0.586 NA		0.14
A012557_01	At3g09100	putative mRNA capping enzyme, RNA guanylyltransferase; protein id: At3g09100.1	-0.253	-0.571	-0.458	0.034
A012562_01	At3g15420	hypothetical protein; protein id: At3g15420.1	-0.202	-0.118	0.039	-0.258
A012563_01	At3g15380	expressed protein; protein id: At3g15380.1	0.128	0.027	-0.118	0.018
A012565_01	At3g50360	centrin; protein id: At3g50360.1	-0.127	0.062	0.054	-0.122
A012566_01	At3g11130	putative clathrin heavy chain; protein id: At3g11130.1	0.1	0.147	0.086	0.512
A012567_01	At3g55430	glycosyl hydrolase family 17 (beta-1,3-glucanase); protein id: At3g55430.1	-0.078	-0.232	-0.438	-0.605
A012572_01	At3g06510	glycosyl hydrolase family 1; protein id: At3g06510.1	-1.26	-1.06	-1.249	-1.334
A012577_01	At3g60070	putative protein; protein id: At3g60070.1	-0.948 NA	NA	NA	NA
A012578_01	At3g25920	50S ribosomal protein L15, chloroplast precursor; protein id: At3g25920.1	1.203	0.943	0.247	0.55
A012579_01	At3g52400	syntaxin SYP122; protein id: At3g52400.1	NA	NA	-1.579 NA	NA
A012580_01	At3g12210	expressed protein; protein id: At3g12210.1	0.099	0.388	0.209	0.277
A012581_01	At3g02550	expressed protein; protein id: At3g02550.1	1.162	1.277	1.147	1.755
A012585_01	At3g59900	putative protein; protein id: At3g59900.1	-0.785	-0.821	0.205	0.031
A012587_01	At3g59840	expressed protein; protein id: At3g59840.1	0.304	0.592	0.583	0.338
A012590_01	At3g55280	ribosomal L23a - like protein; protein id: At3g55280.1	0.858	0.801	0.901	0.818
A012591_01	not annotated	mRNA for sterol-C5-desaturase (X90454 by NCBI)	0.21	0.238	0.324	0.519
A012594_01	At3g24820	expressed protein; protein id: At3g24820.1	-0.219	-0.349 NA		0.013

A012595_01	At3g62640	putative protein; protein id: At3g62640.1	-0.676	NA	NA	NA	
A012597_01	At3g54190	putative protein; protein id: At3g54190.1	-0.304		-0.299	-0.136	0.53
A012604_01	At3g55140	pectate lyase -like protein; protein id: At3g55140.1	0.555		0.419	0.202	0.365
A012607_01	At3g57420	putative protein; protein id: At3g57420.1	-0.084		-0.442	NA	-0.379
A012618_01	At3g29200	chorismate mutase; protein id: At3g29200.1	-0.65		-0.622	-0.16	-0.311
A012621_01	At3g05830	expressed protein; protein id: At3g05830.1	0.225		-0.027	NA	0.065
A012623_01	At3g19760	eukaryotic translation initiation factor 4A (eIF-4A), p	-0.044		-0.109	-0.075	0.521
A012625_01	At3g10920	manganese superoxide dismutase (MSD1); protein	0.621		0.425	0.441	0.066
A012626_01	At3g22160	expressed protein; protein id: At3g22160.1	NA	NA	NA	NA	
A012627_01	At3g07940	putative GTPase activating protein; protein id: At3g(	-0.351		-0.357	-0.213	-0.578
A012628_01	At3g62730	putative protein; protein id: At3g62730.1	NA	NA	NA	NA	
A012631_01	At3g45590	putative protein; protein id: At3g45590.1	-0.438	NA	NA	NA	
A012633_01	At3g16870	GATA zinc finger protein; protein id: At3g16870.1	0.028		0.221	0.705	0.682
A012637_01	At3g46830	GTP-binding protein, putative; protein id: At3g46830	-0.172		-0.15	0.068	-0.071
A012640_01	At3g54470	similar to UMP synthase {Arabidopsis thaliana}; pro	0.772		1.155	0.981	1.262
A012641_01	At3g25660	glutamyl-tRNA amidotransferase subunit A, putative	0.761		0.733	0.286	0.73
A012646_01	At3g44670	disease resistance protein RPP1-Ws(A,C)-like (TIR	-0.915		-1.234	-0.745	-0.686
A012647_01	At3g16400	putative lectin; protein id: At3g16400.1	1.171	NA		0.349	0.183
A012648_01	At3g13227	hypothetical protein; protein id: At3g13227.1	-0.546		-0.124	-0.146	-0.595
A012649_01	At3g03640	glycosyl hydrolase family 1; protein id: At3g03640.1	0.801		0.54	0.281	-0.212
A012650_01	At3g01390	vacuolar membrane ATPase subunit G (AVMA10); |	0.169		0.512	0.112	-0.079
A012651_01	At3g58490	putative protein; protein id: At3g58490.1	-0.82		-0.76	-0.655	-1.069
A012653_01	At3g57610	adenylosuccinate synthetase; protein id: At3g57610	0.3		0.331	0.249	0.451
A012654_01	At3g23940	dihydroxyacid dehydratase, putative; protein id: At3g	1.413		1.132	0.996	1.347
A012655_01	At3g23970	hypothetical protein; protein id: At3g23970.1	-2.145		-1.852	-1.242	-2.063
A012657_01	At3g19970	expressed protein; protein id: At3g19970.1	-0.12		-0.221	0.145	0.446
A012660_01	At3g24040	hypothetical protein; protein id: At3g24040.1	0.752		0.713	0.726	0.759
A012664_01	At3g57090	expressed protein; protein id: At3g57090.1	-0.422		-0.467	-0.04	-0.428
A012665_01	At3g62880	putative protein; protein id: At3g62880.1	-0.666	NA	NA		-0.889
A012672_01	At3g52800	zinc finger - like protein; protein id: At3g52800.1	-2.046		-1.859	-1.001	-1.262
A012678_01	At3g15510	putative jasmonic acid regulatory protein; protein id:	-3.217	NA		-1.942	-3.584
A012680_01	At3g45100	N-acetylglucosaminyl-phosphatidylinositol-like prote	0.482	NA		0.104	0.073
A012685_01	At3g50830	putative cold acclimation protein; protein id: At3g508	-1.167		-0.977	-0.685	-1.163
A012694_01	At3g26580	unknown protein; protein id: At3g26580.1	-1.046		-1.62	-1.214	-1.77
A012695_01	At3g62260	protein phosphatase 2C (PP2C); protein id: At3g622	-1.96		-1.977	-0.715	-1.36
A012696_01	At3g26800	hypothetical protein; protein id: At3g26800.1	-0.064		0.096	0.524	0.911
A012697_01	At3g62190	putative protein; protein id: At3g62190.1	-0.889		-0.662	-0.44	-0.705
A012700_01	At3g52500	expressed protein; protein id: At3g52500.1	1.324		1.146	0.915	1.285
A012704_01	At3g58970	putative protein; protein id: At3g58970.1	-0.434	NA	NA		-0.706
A012705_01	At3g52240	hypothetical protein; protein id: At3g52240.1	-0.655	NA		-0.394	-0.93
A012706_01	At3g29090	pectinesterase family; protein id: At3g29090.1	0.121		-0.11	0.267	0.211
A012707_01	At3g51000	epoxide hydrolase-like protein; protein id: At3g5100	-0.832		-1.131	-0.644	-1.158
A012710_01	At3g29130	hypothetical protein; protein id: At3g29130.1	-0.269	NA		0.359	0.214
A012712_01	At3g62130	putative protein; protein id: At3g62130.1	-0.304	NA		-0.514	-0.626
A012714_01	At3g29170	expressed protein; protein id: At3g29170.1	-1.019		-1.008	-0.072	-0.97
A012715_01	At3g47670	putative protein; protein id: At3g47670.1	-0.357	NA	NA		-0.64
A012722_01	At3g53410	putative protein; protein id: At3g53410.1	-0.385		-0.684	NA	-0.891
A012723_01	At3g16140	photosystem I subunit VI precursor; protein id: At3g	0.332		-0.393	-0.196	0.021
A012724_01	At3g53350	putative protein; protein id: At3g53350.1	-0.529		-1.109	NA	-0.6
A012726_01	At3g46100	histidyl-tRNA synthetase; protein id: At3g46100.1	0.381		0.132	0.088	-0.089
A012728_01	At3g59050	putative protein; protein id: At3g59050.1	-0.671		-0.654	-0.234	-0.152
A012730_01	At3g60320	bZIP protein; protein id: At3g60320.1	0.284		0.289	-0.065	-0.102
A012732_01	At3g06810	acetyl-coA dehydrogenase, putative; protein id: At3g	-1.622		-1.508	-1.26	-0.866
A012738_01	At3g26890	expressed protein; protein id: At3g26890.1	-0.733		-1.02	-0.867	-0.857
A012739_01	At3g57300	helicase-like protein; protein id: At3g57300.1	-0.548		-0.835	-0.329	-0.49
A012741_01	At3g10500	expressed protein; protein id: At3g10500.1	-1.456		-1.396	-1.143	-0.936
A012745_01	At3g14400	ubiquitin-specific protease 25 (UBP25); protein id: A	-0.133		-0.133	-0.147	-0.089
A012747_01	At3g15450	expressed protein; protein id: At3g15450.1	-1.581		-1.701	-0.502	-0.41
A012748_01	At3g48580	xyloglucan endotransglycosylase, putative; protein i	-0.905		-1.173	0.659	0.685
A012749_01	At3g59060	putative protein; protein id: At3g59060.1	-2.447		-2.392	-1.39	-2.114
A012752_01	At3g54090	fructokinase - like protein; protein id: At3g54090.1	1.298		1.35	0.738	1.098
A012754_01	At3g13750	glycosyl hydrolase family 35 (beta-galactosidase); p	-2.294		-2.301	-1.504	-1.943
A012758_01	At3g16270	expressed protein; protein id: At3g16270.1	0.108		-0.424	-0.399	-0.878
A012760_01	At3g54170	FKBP12 interacting protein (FIP37); protein id: At3g	0.359		0.246	0.16	0.285
A012762_01	At3g56210	hypothetical protein; protein id: At3g56210.1	0.445		0.305	NA	0.49
A012767_01	At3g54290	expressed protein; protein id: At3g54290.1	-0.633		-0.33	NA	0.177
A012768_01	At3g54300	synaptobrevin -like protein; protein id: At3g54300.1	-0.185		-0.335	0.015	-0.191
A012769_01	At3g24550	protein kinase, putative; protein id: At3g24550.1	0.16		0.185	-0.091	0.436

A012770_01	At3g55980	putative protein; protein id: At3g55980.1	-1.049	NA	-0.804	-1.571
A012771_01	At3g58750	citrate synthase -like protein; protein id: At3g58750.	-0.644		-1.017	-0.99
A012772_01	At3g26720	glycosyl hydrolase family 38 (alpha-mannosidase); j	0.05		0.101	-0.302
A012773_01	At3g18080	glycosyl hydrolase family 1; protein id: At3g18080.1	1.43		0.992	0.252
A012776_01	At3g48610	putative protein; protein id: At3g48610.1	0.854		0.76	0.765
A012778_01	At3g53260	phenylalanine ammonia-lyase; protein id: At3g5326	-0.154		-0.462	-0.405
A012781_01	At3g46590	telomere repeat-binding protein homolog; protein id:	-0.623		-0.567	NA
A012787_01	At3g26570	phosphate transporter, putative; protein id: At3g265	0.039		-0.057	0.134
A012788_01	At3g52380	chloroplast RNA-binding protein cp33; protein id: At	0.749		0.359	0.079
A012791_01	At3g02450	cell division protein FtsH-like protein; protein id: At3	-0.129	NA		NA
A012796_01	At3g61820	putative protein; protein id: At3g61820.1	1.269		1.369	1.039
A012797_01	At3g27110	expressed protein; protein id: At3g27110.1	-2.039	NA		-1.254
A012800_01	At3g61600	putative protein; protein id: At3g61600.1	-0.248		-0.15	-0.138
A012807_01	At3g63030	putative protein; protein id: At3g63030.1	-0.233		-0.2	0.406
A012810_01	At3g56240	copper homeostasis factor; protein id: At3g56240.1	-2.965		-3.08	-1.259
A012811_01	At3g11670	digalactosyldiacylglycerol synthase; protein id: At3g	-0.654		-0.812	-0.441
A012812_01	At3g47950	H ⁺ -transporting ATPase - like protein; protein id: At	-2.776		-2.878	NA
A012813_01	At3g19820	cell elongation protein, Dwarf1; protein id: At3g1982	1.183		1.073	0.772
A012816_01	At3g13580	ribosomal protein, putative; protein id: At3g13580.1	0.541		0.386	NA
A012817_01	At3g51630	MAP kinase; protein id: At3g51630.1	-0.139		-0.273	0.014
A012818_01	At3g63140	mRNA binding protein precursor - like; protein id: At	0.457		0.359	-0.212
A012822_01	At3g47620	putative protein; protein id: At3g47620.1	-0.26		0.105	-0.231
A012823_01	At3g54350	putative protein; protein id: At3g54350.1	0.103	NA		NA
A012826_01	At3g52990	pyruvate kinase - like protein; protein id: At3g52990	0.266		0.345	-0.029
A012828_01	At3g55800	sedoheptulose-bisphosphatase precursor; protein ic	0.026		-0.145	0.025
A012829_01	At3g53670	putative protein; protein id: At3g53670.1	0.379		0.333	0.304
A012830_01	At4g16143	expressed protein; protein id: At4g16143.1	0.037		0.084	-0.158
A012832_01	At3g52920	putative protein; protein id: At3g52920.1	-0.414		-0.404	0.175
A012834_01	At3g53580	diaminopimelate epimerase - like protein; protein id:	0.71	NA		0.609
A012835_01	At3g17510	expressed protein; protein id: At3g17510.1	-0.617		-0.626	-1.137
A012837_01	At3g53340	transcription factor NF-Y, CCAAT-binding - like prot	0.155		0.412	0.466
A012838_01	At3g47160	RNA-binding protein-like protein; protein id: At3g471	-1.044		-1.283	-1.336
A012839_01	At3g08860	putative aminotransferase; protein id: At3g08860.1	-2.696		-2.975	NA
A012841_01	At3g18890	hypothetical protein; protein id: At3g18890.1	0.389	NA		NA
A012844_01	At3g04920	putative ribosomal protein s19 or s24; protein id: At	0.669		0.701	0.714
A012846_01	At3g48710	putative protein; protein id: At3g48710.1	0.183		-0.374	NA
A012847_01	At3g15810	expressed protein; protein id: At3g15810.1	-1.792		-1.782	-1.128
A012849_01	At3g42050	vacuolar H(+)-ATPase subunit-like protein; protein id:	0.105		-0.174	-0.112
A012854_01	At4g26400	putative protein; protein id: At4g26400.1	-0.166		-0.211	-0.466
A012858_01	At4g39540	shikimate kinase - like protein; protein id: At4g39540	0.227	NA		NA
A012860_01	At4g37930	glycine hydroxymethyltransferase like protein; prote	-1.19		-1.467	-1.274
A012862_01	At4g26900	glutamine amidotransferase/cyclase; protein id: At4	0.897		0.808	0.542
A012865_01	At4g19420	pectinacetyltransferase family; protein id: At4g19420.1	-3.8		-4.39	-3.178
A012872_01	At4g23990	cellulose synthase catalytic subunit - like protein; pr	-1.793		-1.593	-1.262
A012878_01	At4g14340	casein kinase I; protein id: At4g14340.1	-0.141		-0.077	NA
A012880_01	At4g11650	osmotin precursor; protein id: At4g11650.1	-1.954	NA		NA
A012881_01	xxxx	A.t. DNA chromosome 3, BAC clone F27K19	0.226		0.245	0.057
A012883_01	At4g37870	phosphoenolpyruvate carboxykinase (ATP) -like pro	0.735		0.653	0.67
A012885_01	At4g02980	auxin-binding protein 1 precursor; protein id: At4g02	0.204		0.375	-0.278
A012887_01	At4g28830	putative protein; protein id: At4g28830.1	0.15		0.433	0.267
A012888_01	At4g15550	glucosyltransferase like protein; protein id: At4g1555	-1.665		-1.994	-0.746
A012889_01	At4g13540	putative protein; protein id: At4g13540.1	0.316		0.037	0.791
A012890_01	At4g08900	arginase; protein id: At4g08900.1	-0.867		-0.415	-0.356
A012893_01	At4g27140	NWMU1 - 2S albumin 1 precursor; protein id: At4g2	-2.685	NA		-1.641
A012895_01	At4g29010	AIM1 protein; protein id: At4g29010.1	-0.389		-0.616	-0.484
A012896_01	At4g25210	putative protein; protein id: At4g25210.1	0.56		0.27	0.428
A012897_01	At4g18930	putative protein; protein id: At4g18930.1	-0.534		-0.36	-0.375
A012899_01	At4g09800	S18.A ribosomal protein; protein id: At4g09800.1	0.44		0.577	0.592
A012907_01	At4g20960	putative protein; protein id: At4g20960.1	0.626	NA		0.487
A012913_01	At4g13520	expressed protein; protein id: At4g13520.1	0.526		0.43	0.134
A012917_01	At4g34820	putative protein; protein id: At4g34820.1	0.125	NA		-0.316
A012919_01	At4g32020	putative protein; protein id: At4g32020.1	-0.995		-1.466	-0.983
A012921_01	At4g28740	expressed protein; protein id: At4g28740.1	-0.479		-0.416	-0.351
A012930_01	At4g22740	expressed protein; protein id: At4g22740.1	-0.524		-0.395	-0.112
A012932_01	At5g46860	syntaxin SYP22 (VAM3); protein id: At5g46860.1	0.033		0.06	NA
A012934_01	At4g08920	Arabidopsis thaliana flavin-type blue-light photorece	-1.566		-1.604	-1.189
A012936_01	At4g34340	expressed protein; protein id: At4g34340.1	-0.178		0.036	NA
A012937_01	At4g32180	putative protein; protein id: At4g32180.1	-0.314		-0.312	-0.219

A012940_01	At4g10060	putative protein; protein id: At4g10060.1	-2.115	-1.942	-1.51	-1.281
A012944_01	At4g32070	putative protein; protein id: At4g32070.1	-0.927	-1.118 NA		-1.003
A012946_01	At4g00370	hypothetical protein; protein id: At4g00370.1	-0.087 NA		-0.115	0.136
A012951_01	At4g16110	hypothetical protein; protein id: At4g16110.1	-1.275 NA	NA	NA	
A012958_01	At4g20010	expressed protein; protein id: At4g20010.1	0.544	0.527	0.076	0.276
A012959_01	At4g14710	expressed protein; protein id: At4g14710.1	-0.654	-1.312	-0.617	-0.907
A012960_01	At4g20030	RRM-containing protein; protein id: At4g20030.1	-0.036	0.296	0.259	0.091
A012964_01	At4g19510	disease resistance protein (TIR-NBS-LRR class), p	-0.76	-0.894 NA		-1.249
A012966_01	At4g20070	hyuC-like protein; protein id: At4g20070.1	-1.372	-1.385 NA		-1.147
A012972_01	At4g10040	cytochrome c; protein id: At4g10040.1	-0.375 NA		0.238	-0.326
A012977_01	At4g32910	putative protein; protein id: At4g32910.1	-0.104	0.133	0.196	0.727
A012978_01	At4g35920	putative protein; protein id: At4g35920.1	0.263	0.304	0.379	1.035
A012982_01	At4g28550	putative protein; protein id: At4g28550.1	0.138	0.093 NA		0.766
A012986_01	At4g28085	expressed protein; protein id: At4g28085.1	-2.746	-2.687	-1.541	-2.936
A012989_01	At4g25030	putative protein; protein id: At4g25030.1	-0.293	-0.538	-0.35	-0.313
A012995_01	At4g37510	putative protein; protein id: At4g37510.1	-0.063 NA		-0.133	-0.06
A013000_01	At4g34350	putative protein; protein id: At4g34350.1	-1.442	-2.078	-1.52	-1.098
A013003_01	At4g36540	putative protein; protein id: At4g36540.1	-0.166 NA		0.246	-0.033
A013004_01	At4g18580	expressed protein; protein id: At4g18580.1	-1.175	-1.082	-0.74	-1.08
A013011_01	At4g08230	hypothetical protein; protein id: At4g08230.1	-0.965	-0.281	-0.216	-0.58
A013012_01	At4g27310	CONSTANS B-box zinc finger family protein; proteir	-0.804	-0.502	-0.49	-0.961
A013018_01	At4g27600	carbohydrate kinase - like protein; protein id: At4g27	0.207	0.022	-0.343	-0.023
A013019_01	At4g13350	putative protein; protein id: At4g13350.1	-0.298	-0.207	-0.504	-0.37
A013022_01	At4g08220	putative protein; protein id: At4g08220.1	-0.115	-0.252	0.078	0.153
A013026_01	At4g19090	hypothetical protein; protein id: At4g19090.1	-0.165	-0.342	0.032	-0.065
A013029_01	At4g31030	putative protein; protein id: At4g31030.1	-0.271	0.165	-0.705	-0.034
A013032_01	At4g24020	putative protein; protein id: At4g24020.1	-0.902	-0.606	-1.127	-0.992
A013034_01	At4g10910	expressed protein; protein id: At4g10910.1	-1.566 NA	NA		-0.757
A013035_01	At4g18160	potassium channel - like protein; protein id: At4g181	-0.766	-0.807	-0.464	-0.58
A013036_01	At4g38430	putative protein; protein id: At4g38430.1	0.483	0.808	0.485	0.456
A013038_01	At4g04340	unknown protein; protein id: At4g04340.1	-0.323 NA	NA		0.175
A013040_01	At4g30780	putative protein; protein id: At4g30780.1	-0.242	-0.587	-0.542	-0.517
A013044_01	At4g23890	putative protein; protein id: At4g23890.1	-0.853	-1.386	-0.841	-1.506
A013046_01	At4g21560	putative protein; protein id: At4g21560.1	-0.917	-0.884	-0.352	-0.807
A013047_01	At4g35630	phosphoserine aminotransferase; protein id: At4g35	0.6	0.553	0.538	1.212
A013050_01	At4g01026	expressed protein; protein id: At4g01026.1	-0.552	-1.112	-0.971	-0.988
A013051_01	At4g08850	receptor protein kinase-like protein; protein id: At4g	-1.795 NA	NA	NA	
A013053_01	At4g01690	protoporphyrinogen oxidase; protein id: At4g01690.	0.397	0.233	0.028	0.428
A013055_01	At4g25870	putative protein; protein id: At4g25870.1	0.356	0.446	0.418	0.927
A013058_01	At4g24940	ubiquitin activating enzyme - like protein; protein id:	0.572	0.603	0.392	0.789
A013062_01	At4g18120	meiosis protein mei2-related; protein id: At4g18120.	-0.498 NA	NA		0.003
A013063_01	At4g18530	putative protein; protein id: At4g18530.1	-1.081	-0.657 NA		-0.553
A013065_01	At4g22360	putative protein; protein id: At4g22360.1	-0.36	-0.646	-0.424	-0.332
A013067_01	At4g38500	putative protein; protein id: At4g38500.1	0.18	0.206 NA		0.207
A013073_01	At4g11940	putative protein; protein id: At4g11940.1	-0.599	-0.757	-0.259	0.019
A013074_01	At4g35940	putative protein; protein id: At4g35940.1	-0.765 NA		-0.743	-0.408
A013075_01	At4g14520	hypothetical protein; protein id: At4g14520.1	-0.574 NA	NA		-0.193
A013086_01	At4g21580	putative NADPH quinone oxidoreductase; protein id	-0.999	-1.245	-0.639	-0.849
A013087_01	At4g22670	HSP associated protein like; protein id: At4g22670.	0.721	0.615	0.057	0.449
A013088_01	At4g18240	starch synthase-related protein; protein id: At4g182.	-0.088 NA		-0.728	-0.928
A013090_01	At4g26130	uncharacterized protein; protein id: At4g26130.1	0.116	0.144	-0.333	-1.346
A013093_01	At4g35980	expressed protein; protein id: At4g35980.1	0.102	0.351	0.44	0.011
A013095_01	At4g02520	glutathione transferase, putative; protein id: At4g02	-3.37	-3.984	-1.808	-2.334
A013098_01	At4g39890	GTP-binding protein, putative; protein id: At4g39890	0.115	0.281	-0.305	0.222
A013105_01	At4g38260	putative protein; protein id: At4g38260.1	-0.539 NA	NA		-0.82
A013107_01	At4g12980	putative protein; protein id: At4g12980.1	-1.017	-0.987	-0.759	-1.302
A013109_01	At4g36030	A.t. DNA chromosome 4, BAC clone T13J8 (ESSAI	-0.563	-0.929	-0.571	-1.086
A013111_01	At4g08350	putative protein; protein id: At4g08350.1	-0.127	0.073	0.137	0.18
A013112_01	At4g08330	putative protein; protein id: At4g08330.1	-0.41	-0.311	-0.486	-0.731
A013118_01	At4g38280	putative protein; protein id: At4g38280.1	-0.457	-0.373	-0.285	-0.467
A013119_01	At4g31700	ribosomal protein S6 - like; protein id: At4g31700.1	1.015	0.721	0.716	1.397
A013129_01	At4g25640	putative protein; protein id: At4g25640.1	-0.624	-0.795	-0.245	-0.437
A013130_01	At4g33525	metal-transporting P-type ATPase; protein id: At4g3	0.45	0.103 NA	NA	
A013142_01	At4g24120	putative protein; protein id: At4g24120.1	-1.679	-1.656	-1.053	-1.04
A013143_01	At4g36690	splicing factor U2AF 65 kDa subunit, putative; prote	-0.064	-0.347	-0.255	-0.071
A013154_01	At4g36230	putative glycine-rich cell wall protein; protein id: At4	0.232	0.193	0.255	0.119
A013156_01	At4g21620	putative protein; protein id: At4g21620.1	-0.025	0.366	0.215	-0.392
A013164_01	At4g16720	ribosomal protein; protein id: At4g16720.1	0.342	0.456	0.628	1

A013188_01	At4g08950	putative phi-1-like phosphate-induced protein; prote	0.608	0.833	0.13	0.509
A013192_01	At4g32640	putative protein; protein id: At4g32640.1	-0.337	0.151	0.113	-0.383
A013196_01	At4g02230	putative ribosomal protein L19; protein id: At4g0223	0.519	0.408	0.556	0.497
A013212_01	At4g15490	UDP-glycosyltransferase, putative; protein id: At4g1	-2.433 NA	NA	NA	
A013215_01	At4g34240	putative aldehyde dehydrogenase; protein id: At4g3	-0.256 NA		-0.151	0.124
A013219_01	At4g38270	putative protein; protein id: At4g38270.1	-0.28	0.057 NA		0.449
A013223_01	At4g34270	putative protein; protein id: At4g34270.1	-0.264	-0.185	-0.306	-0.376
A013227_01	At4g31530	putative protein; protein id: At4g31530.1	-0.229	-0.152	-0.481	-0.393
A013238_01	At4g27160	NWMU3 - 2S albumin 3 precursor; protein id: At4g2	-3.222	-3.217	-1.314	-3.174
A013240_01	At4g10920	putative protein; protein id: At4g10920.1	-1.368	-1.778	-1.51	-1.622
A013244_01	At4g35220	putative protein; protein id: At4g35220.1	0.292	0.154	0.235	0.375
A013246_01	At4g25890	putative acidic ribosomal protein; protein id: At4g25	0.93	1.092	1.028	0.942
A013249_01	At4g21810	putative protein; protein id: At4g21810.1	-1.093	-0.857	-0.207	-0.541
A013260_01	At4g10330	hypothetical protein; protein id: At4g10330.1	-0.445	-0.307 NA		-1.387
A013266_01	At4g13020	serine/threonine-specific protein kinase MHK; protei	-0.416	-0.755	-0.572	-0.518
A013268_01	At4g33300	disease resistance protein (CC-NBS-LRR class), pu	-0.877	-0.878	-0.777	-0.701
A013270_01	At4g36210	putative protein; protein id: At4g36210.1	-0.568	-0.938	-0.614	-0.628
A013277_01	At4g22890	putative protein; protein id: At4g22890.1	-0.645	-0.352	-0.751	-0.844
A013278_01	At4g27680	putative protein; protein id: At4g27680.1	-0.184	-0.362	-0.291	-0.165
A013281_01	At4g22930	dihydroorotase; protein id: At4g22930.1	0.638	0.744	0.353	0.67
A013282_01	At4g27500	proton pump interactor; protein id: At4g27500.1	0.432	0.089	0	0.059
A013287_01	At4g22990	putative protein; protein id: At4g22990.1	-0.084	-0.281	-0.738	-0.775
A013299_01	At4g39880	putative protein; protein id: At4g39880.1	0.893	0.705	0.736	0.54
A013356_01	At4g26100	putative Col-0 casein kinase I	0.09	0.249	0.176	0.445
A013397_01	At4g28080	putative protein; protein id: At4g28080.1	-0.266	-0.375	-0.43	-0.444
A013402_01	At4g32300	S-receptor kinase -like protein; protein id: At4g3230 NA	NA	NA	NA	
A013406_01	At4g24810	putative protein; protein id: At4g24810.1	-0.325 NA		-0.558	-0.629
A013408_01	At4g37880	putative protein; protein id: At4g37880.1	-0.584	-0.444	-0.266	-0.197
A013412_01	At4g35490	ribosomal protein L11 homolog; protein id: At4g354	0.587	0.61	0.652	0.337
A013413_01	At4g13910	putative disease resistance protein; protein id: At4g NA	NA	NA	NA	
A013414_01	At4g13590	putative protein; protein id: At4g13590.1	0.056	-0.026	0.053	0.069
A013416_01	At4g37910	glycine hydroxymethyltransferase-like protein	0.992	0.879	0.852	1
A013417_01	At4g32480	putative protein; protein id: At4g32480.1	-0.927	-1.226	-0.322	-0.413
A013419_01	At4g24620	glucose-6-phosphate isomerase; protein id: At4g24	0.614	0.431	0.159	0.529
A013420_01	At4g32510	putative protein; protein id: At4g32510.1 NA	NA	NA	NA	
A013421_01	At4g32520	glycine hydroxymethyltransferase (EC 2.1.2.1)-likere	0.401	0.251	0.29	0.783
A013423_01	At4g02640	bZIP protein; protein id: At4g02640.2	-0.075	-0.533	0.039	0.337
A013428_01	At4g01290	hypothetical protein; protein id: At4g01290.1	-0.125	-0.366 NA		-0.26
A013429_01	At4g01330	putative protein kinase; protein id: At4g01330.1	-0.48	-0.792	-0.75	-0.813
A013435_01	At4g01600	putative ABA-reponsive protein; protein id: At4g01	-2.238 NA		-1.239 NA	
A013440_01	At4g01960	PITSLRE protein kinase family; protein id: At4g019	-0.089 NA		-0.032	-0.143
A013447_01	At4g02410	contains similarity to a protein kinase domain (Pfam NA	NA	NA	NA	
A013461_01	At4g03140	putative alcohol dehydrogenase; protein id: At4g031	-0.316	-0.442 NA		-0.236
A013462_01	At4g03200	unknown protein; protein id: At4g03200.1	-0.066 NA		NA	0.112
A013463_01	At4g03240	putative frataxin-like protein; protein id: At4g03240.1	0.009	0.241 NA		NA
A013467_01	At4g03400	putative GH3-like protein; protein id: At4g03400.1	-0.645	-0.663	-0.663	-1.316
A013468_01	At4g03410	hypothetical protein; protein id: At4g03410.1	-1.537 NA		-1.182	-1.917
A013469_01	At4g03430	putative pre-mRNA splicing factor; protein id: At4g0	-0.349	-0.404	-0.391	-0.729
A013470_01	At4g03560	putative calcium channel; protein id: At4g03560.1	-1.473	-1.633	-1.998	-2.294
A013475_01	At4g03960	putative protein; protein id: At4g03960.1	0.413	0.205	0.794	0.986
A013477_01	At4g04200	hypothetical protein; protein id: At4g04200.1	0.535	0.603	0.149	0.038
A013479_01	At4g04320	putative malonyl-CoA decarboxylase; protein id: At4	-0.196	-0.062	-0.079	0.545
A013487_01	At4g04880	putative adenosine deaminase; protein id: At4g048	-0.368 NA		-0.538	-0.488
A013488_01	At4g04890	homeodomain protein, Protodermal factor2 (PDF2);	0.718	0.732	0.582	0.678
A013490_01	At4g04920	hypothetical protein; protein id: At4g04920.1	-0.316	-0.743 NA		-0.375
A013498_01	At4g05460	F-box protein family, AtFBL20; protein id: At4g0546	-0.205 NA		0.122	0.368
A013503_01	At4g07390	coded for by A. thaliana cDNA N64969; protein id: F	-0.043	0.041	0.34	0.459
A013510_01	At4g07960	putative glucosyltransferase; protein id: At4g07960.	-0.129	-0.381 NA		NA
A013518_01	At4g08810	putative protein; protein id: At4g08810.1	0.687	0.158	0.085	0.268
A013519_01	At4g08870	putative arginase; protein id: At4g08870.1	0.782	0.674	-0.564	0.226
A013520_01	At4g08930	putative protein disulfide isomerase; protein id: At4g NA	NA		-0.803	-1.3
A013522_01	At4g09040	RRM-containing protein; protein id: At4g09040.1	0.72	0.61	0.228	0.355
A013534_01	At4g13980	expressed protein; protein id: At4g13980.1	-0.257	-0.352	-0.576	-0.656
A013535_01	At4g14020	expressed protein; protein id: At4g14020.1	-4.08	-4.153	-2.102	-3.705
A013537_01	At4g14270	expressed protein; protein id: At4g14270.1	-1.33	-1.315	-0.702	-1.5
A013547_01	At4g14890	ferredoxin; protein id: At4g14890.1	0.099	0.152	0.116	-0.702
A013548_01	At4g15010	mitochondrial carrier protein family; protein id: At4g	0.348 NA		0.236	0.496
A013554_01	not annotated	Chr4 C/7628038-7628107	1.716	1.636	0.937	1.615

A013555_01	At4g15200	expressed protein; protein id: At4g15200.1	1.845	1.602	0.731	1.009
A013559_01	At4g15620	hypothetical protein; protein id: At4g15620.1	-2.389	-2.574	-1.456	-2.804
A013560_01	At4g15630	expressed protein; protein id: At4g15630.1	-1.394	-1.477	-1.269	-2.36
A013561_01	At4g15640	hypothetical protein; protein id: At4g15640.1	1.474	1.309	1.171	1.73
A013562_01	At4g15650	kinase like protein; protein id: At4g15650.1	-0.242	0.36 NA		-1.518
A013564_01	At4g15790	expressed protein; protein id: At4g15790.1	0.756	0.771	0.707	0.818
A013571_01	At4g16430	transcription factor like protein; protein id: At4g1643	-0.083	-0.153	0.227	0.32
A013572_01	At4g16450	expressed protein; protein id: At4g16450.1	0.601	0.635	0.631	0.59
A013574_01	At4g16580	hypothetical protein; protein id: At4g16580.1	-0.395	-0.067 NA		-0.003
A013577_01	At4g16710	hypothetical protein; protein id: At4g16710.1	-0.309	-0.35	-0.058	0.106
A013579_01	At4g16800	enoyl-CoA hydratase; protein id: At4g16800.1	0.409	0.253	0.233	0.432
A013586_01	At4g17070	expressed protein; protein id: At4g17070.1	-0.707 NA		-0.703	-1.192
A013590_01	At4g17150	hypothetical protein; protein id: At4g17150.1	0.226	0.231 NA		-0.083
A013591_01	At4g17180	glycosyl hydrolase family 17; protein id: At4g17180.	0.366	0.414 NA		0.164
A013604_01	At4g28280	putative GPI-anchored protein; protein id: At4g2828	-0.116	-0.087 NA		-0.953
A013605_01	At4g28290	putative protein; protein id: At4g28290.1	-1.473	-1.28	-0.811	-1.363
A013606_01	At4g28660	photosystem II protein W - like; protein id: At4g2866	1.016	0.927	0.478	0.505
A013614_01	At4g30500	putative protein; protein id: At4g30500.1	0.785	0.581	1.057	0.704
A013616_01	At4g30580	putative protein; protein id: At4g30580.1	0.015	-0.131	-0.046	0.08
A013617_01	At4g30620	putative protein; protein id: At4g30620.1	0.794	0.569	0.202	-0.109
A013618_01	At4g30650	low temperature and salt responsive protein homolc	1.497	1.607	0.352	-0.247
A013619_01	At4g31110	WAK-like kinase (WLK); protein id: At4g31110.1	-0.824	-1.163	-0.598	-1.017
A013622_01	At4g31180	aspartate--tRNA ligase - like protein; protein id: At4g	0.009	0.079	0.18	0.477
A013625_01	At4g36420	ribosomal protein; protein id: At4g36420.1	0.737	0.704	0.735	0.546
A013627_01	At4g36490	expressed protein; protein id: At4g36490.1	-0.72	-0.408 NA		-1.688
A013628_01	At4g36520	trichohyalin like protein; protein id: At4g36520.1	-0.373	-0.073	0.094	-0.313
A013632_01	At4g36640	putative protein; protein id: At4g36640.1	-0.84	-1.104 NA		-0.327
A013633_01	At4g36660	hypothetical protein; protein id: At4g36660.1	0.96	0.93	0.84	0.819
A013634_01	At4g36720	putative protein; protein id: At4g36720.1	-0.684	-0.592	-0.237	-0.797
A013637_01	At4g36940	hypothetical protein; protein id: At4g36940.1	1.04	0.877	0.551	1.05
A013640_01	At4g37040	methionyl aminopeptidase-like protein; protein id: A	0.3	0.001	-0.332	-0.123
A013643_01	At4g37180	putative cytoskeletal protein; protein id: At4g37180.	-0.545	-0.513	-0.594	-0.986
A013644_01	At4g37280	putative protein; protein id: At4g37280.1	0.33	-0.081	-0.152	-0.275
A013646_01	At4g35570	HMG delta protein; protein id: At4g35570.1	0.166	0.061	0.449	0.547
A013647_01	At4g00900	Ca2+-transporting ATPase - like protein; protein id:	0.135 NA		0.376	0.581
A013651_01	At4g16360	kinase like protein; protein id: At4g16360.1	0.253	0.334 NA		0.683
A013657_01	At4g12080	putative DNA-binding protein; protein id: At4g12080	-1.513	-1.11 NA		NA
A013658_01	At4g21150	putative protein; protein id: At4g21150.1	0.713	0.543	0.186	0.75
A013659_01	At4g10610	RNA-binding protein RBP37; protein id: At4g10610.	-0.607	-0.61	-0.057	-0.2
A013660_01	At4g11560	putative protein; protein id: At4g11560.1	0.227	-0.261	0.098	0.268
A013661_01	At4g40030	histone H3.3; protein id: At4g40030.1	-0.006	-0.384	0.15	0.588
A013662_01	At4g33240	putative protein; protein id: At4g33240.1	0.145	-0.047	-0.153	-0.332
A013663_01	At4g12070	putative protein; protein id: At4g12070.1	-1.035 NA		NA	NA
A013664_01	At4g24640	Bnm1 like protein; protein id: At4g24640.1	-0.672	-0.477 NA		NA
A013667_01	At4g36380	rotundifolia3 (rot3); protein id: At4g36380.1	0.725	0.612	0.621	1.316
A013668_01	At4g10100	auxin-regulated protein; protein id: At4g10100.2	-0.552	-0.069	0.006	-0.183
A013669_01	At4g24190	HSP90-like protein; protein id: At4g24190.1	1.104	0.783	0.794	1.111
A013671_01	At4g35300	putative sugar transporter protein; protein id: At4g35	-0.004 NA		NA	NA
A013674_01	xxxx	b/t Expressed protein; protein id: At4g19095.1 and t	0.371	0.42	0.159	-0.403
A013675_01	At4g34490	putative cyclase associated protein CAP; protein id:	0.228	0.284 NA		0.269
A013676_01	At4g35690	putative protein; protein id: At4g35690.1	-3.259	-2.601	-0.97	-1.458
A013680_01	At4g12800	probable photosystem I chain XI precursor; protein i	-0.52	-0.8	-0.513	-0.61
A013681_01	At4g15930	dynein light chain like protein; protein id: At4g15930	0.474	0.325	0.522	0.19
A013682_01	At4g00720	Shaggy related protein kinase tetha; protein id: At4g	-0.774 NA		-1.167	-1.539
A013684_01	At4g18060	putative protein; protein id: At4g18060.1	0.567	0.629 NA		0.505
A013685_01	At4g26190	putative protein; protein id: At4g26190.1	-0.002 NA			0.523
A013689_01	At4g39080	putative proton pump; protein id: At4g39080.1	-0.104	-0.133	-0.318	-0.393
A013691_01	At4g09960	MADS-box protein; protein id: At4g09960.1	1.023	0.688	1.261	1.709
A013692_01	At4g02470	coded for by A. thaliana cDNA T75804; protein id: A	-0.222	-0.374	-0.432	-0.678
A013695_01	At4g03420	hypothetical protein; protein id: At4g03420.1	-0.885	-0.883	-0.921	-1.29
A013697_01	At4g15610	expressed protein; protein id: At4g15610.1	-3.462	-3.435	-1.939	-3.501
A013699_01	At4g17560	putative protein; protein id: At4g17560.1	0.642	0.675	0.43	0.357
A013700_01	At4g18280	glycine-rich cell wall protein-like; protein id: At4g182 NA		NA	-0.301	-2.016
A013705_01	At4g39350	cellulose synthase catalytic subunit (Ath-A)	0.414	0.205	0.052	-0.22
A013707_01	At4g39300	putative protein; protein id: At4g39300.1	0.376	0.496	0.722	0.582
A013710_01	At4g38510	probable H+-transporting ATPase; protein id: At4g3	0.342	0.028	0.057	0.081
A013711_01	At4g15910	drought-induced protein like; protein id: At4g15910.	1.289	1.193	1.489	1.657
A013714_01	At4g01610	cathepsin B-like cysteine protease, putative; protein	-1.999	-1.882	-1.25	-0.85

A013715_01	At4g39150	DnaJ-like protein; protein id: At4g39150.1	-0.09	-0.501	-0.028	0.144
A013717_01	At4g16190	cysteine proteinase; protein id: At4g16190.1	-2.245	-2.305	-1.125	-1.51
A013719_01	At4g15530	pyruvate,orthophosphate dikinase; protein id: At4g1	-2.419	-2.577	-1.996	-2.068
A013720_01	At4g03150	expressed protein; protein id: At4g03150.1	-0.086	0.041	-0.034	-0.609
A013721_01	At4g39140	putative protein; protein id: At4g39140.1	NA	NA	-1.332	-2.461
A013723_01	At4g10730	putative protein kinase; protein id: At4g10730.1	-0.159	-0.743	NA	-0.392
A013724_01	At4g33640	putative protein; protein id: At4g33640.1	-0.456	-0.375	-0.046	-0.502
A013727_01	At4g36440	putative protein; protein id: At4g36440.1	-0.037	0.154	-0.232	0.216
A013728_01	At4g37440	putative protein; protein id: At4g37440.1	-0.405	-0.83	NA	0.034
A013731_01	At4g33690	hypothetical protein; protein id: At4g33690.1	-0.517	NA	NA	-0.502
A013732_01	At4g21990	PRH26 protein; protein id: At4g21990.1	-0.678	-0.818	-0.715	-1.107
A013733_01	At4g22000	expressed protein; protein id: At4g22000.1	0.571	0.549	0.92	0.56
A013735_01	At4g29040	26S proteasome AAA-ATPase subunit RPT2a; prot	0.005	-0.022	0.138	0.506
A013736_01	At4g28750	photosystem I subunit PSI-E - like protein; protein ic	-0.644	-0.57	-0.432	-0.3
A013739_01	At4g32930	putative protein; protein id: At4g32930.1	-0.1	0.231	0.253	-0.12
A013744_01	At4g22570	adenine phosphoribosyltransferase (EC 2.4.2.7) - lik	-1.218	-1.286	-0.705	-0.734
A013746_01	At4g25370	putative protein; protein id: At4g25370.1	0.306	NA	0.29	0.209
A013747_01	At4g25730	putative protein; protein id: At4g25730.1	0.606	0.584	0.59	0.375
A013749_01	At4g30660	stress responsive protein homolog; protein id: At4g3	0.895	0.874	-0.326	-1.204
A013751_01	At4g13220	hypothetical protein; protein id: At4g13220.1	-0.481	-0.301	-0.308	-1.067
A013755_01	At4g33030	sulfolipid biosynthesis protein SQD1; protein id: At4	1.185	0.92	0.654	1.202
A013756_01	At4g24090	hypothetical protein; protein id: At4g24090.1	0.199	NA	0.063	-0.189
A013758_01	At4g21450	putative membrane associated protein; protein id: A	-0.956	-0.841	-0.405	-0.609
A013764_01	At4g11240	protein phosphatase type 1 (AtPP1bg); protein id: A	0.043	0.418	0.2	0.639
A013765_01	At4g35250	putative protein; protein id: At4g35250.1	-0.161	-0.149	-0.334	-0.433
A013770_01	At4g01480	putative inorganic phosphatase; protein id: At4g014	-0.696	-0.743	-0.173	-0.239
A013773_01	At4g02570	putative cullin-like 1 protein; protein id: At4g02570.1	0.07	-0.313	-0.332	-0.201
A013774_01	At4g34200	phosphoglycerate dehydrogenase - like protein; pro	1.153	1.052	0.9	1.384
A013775_01	At4g02790	hypothetical protein; protein id: At4g02790.1	0.802	0.9	0.357	0.647
A013778_01	At4g23660	UbiA prenyltransferase family; protein id: At4g23660	-0.439	0.036	-0.144	0.401
A013780_01	At4g09760	choline kinase GmCK2p -like protein; protein id: At4	NA	NA	NA	NA
A013782_01	At4g20930	3-hydroxyisobutyrate dehydrogenase -like protein; p	-1.011	-1.053	-0.233	-0.746
A013785_01	At4g13150	hypothetical protein; protein id: At4g13150.1	-0.038	0.291	-0.27	-0.14
A013787_01	At4g09830	putative protein; protein id: At4g09830.1	-0.713	-0.816	-0.059	-0.732
A013795_01	At4g23730	putative protein; protein id: At4g23730.1	-0.532	NA	-0.382	-0.568
A013796_01	At4g00355	expressed protein; protein id: At4g00355.1	-1.214	-1.011	-0.493	-0.731
A013799_01	At4g30993	expressed protein; protein id: At4g30993.1	-1.396	NA	-1.278	-1.628
A013801_01	At4g38930	putative ubiquitin-dependent proteolytic protein; pro	-0.327	-0.429	NA	-0.011
A013805_01	At4g21980	AtAPG8a; symbiosis-related like protein; protein id:	-1.753	-2.006	-0.812	-1.454
A013806_01	At4g31720	transcription factor II homolog; protein id: At4g3172	0.052	-0.058	-0.068	-0.707
A013807_01	At4g09720	GTP-binding protein, putative; protein id: At4g09720	0.509	0.285	0.37	0.496
A013810_01	At4g24840	brefeldin A-sensitive Golgi protein - like; protein id: /	0.095	NA	-0.097	-0.084
A013829_01	At4g32050	putative protein; protein id: At4g32050.1	0.13	0.087	NA	0.035
A013831_01	At4g29520	putative protein; protein id: At4g29520.1	1.482	1.179	1.314	1.441
A013832_01	At4g29060	unknown protein; protein id: At4g29060	0.689	0.585	0.1	0.009
A013833_01	At4g01940	putative NifU-like metallocluster assembly factor; pr	-0.715	-0.851	-0.334	-0.543
A013835_01	At4g26370	putative protein; protein id: At4g26370.1	0.68	0.473	0.232	0.636
A013847_01	At4g33470	putative protein; protein id: At4g33470.1	-0.099	NA	-0.284	-0.179
A013856_01	At4g20270	leucine-rich repeat transmembrane protein kinase, /	1.02	0.984	1.044	1.385
A013857_01	At4g01320	putative CAAX prenyl protease; protein id: At4g0132	-0.034	0.247	0.118	0.173
A013863_01	At4g20760	cell-cell signaling protein csgA - like; protein id: At4	0.77	0.709	0.16	0.245
A013872_01	At4g38770	extensin - like protein; protein id: At4g38770.1	1.733	1.375	0.711	0.802
A013875_01	At4g08290	nodulin-like protein; protein id: At4g08290.1	NA	NA	-1.782	NA
A013876_01	xxxx	b/t putative protein; protein id: At4g08280.1 and noc	0.078	0.269	0.082	0.054
A013879_01	At4g02370	coded for by A. thaliana cDNA R64991; protein id: /	-0.285	-0.031	-0.71	-0.782
A013880_01	At4g02020	polycomb group - like protein; protein id: At4g02020	-0.427	-0.94	-1.048	-0.917
A013884_01	At4g02120	CTP synthase - like protein; protein id: At4g02120.1	0.146	-0.1	0.138	0.009
A013887_01	At4g13110	putative protein; protein id: At4g13110.1	NA	NA	NA	-0.834
A013889_01	At4g00750	hypothetical protein; protein id: At4g00750.1	0.111	-0.118	NA	-0.925
A013896_01	At4g19040	hypothetical protein; protein id: At4g19040.1	-0.104	NA	NA	-0.662
A013898_01	At4g03080	putative phospho-ser/thr phosphatase; protein id: Ai	-0.473	-0.562	-0.453	-0.974
A013901_01	At4g03120	putative C-type U1 snRNP; protein id: At4g03120.1	0.487	0.537	0.35	-0.06
A013903_01	At4g31290	unknown protein; protein id: At4g31290.1	0.481	0.692	0.646	0.821
A013904_01	At4g03180	unknown protein; protein id: At4g03180.1	0.053	-0.01	0.096	-0.195
A013911_01	At4g32710	putative protein kinase; protein id: At4g32710.1	1.541	1.325	1.352	1.915
A013912_01	At4g12590	putative protein; protein id: At4g12590.1	0.202	0.193	0.261	-0.07
A013914_01	At4g26980	putative protein; protein id: At4g26980.1	-0.156	-0.104	NA	0.054
A013931_01	At4g02580	predicted NADH dehydrogenase 24 kD subunit; pro	0.769	0.51	0.461	0.733

A013932_01	At4g12230	putative protein; protein id: At4g12230.1	-0.013	-0.26	-0.06	-0.177
A013942_01	At4g14500	expressed protein; protein id: At4g14500.1	-0.141	-0.288	-0.293	-0.242
A013944_01	At4g04770	putative ABC transporter; protein id: At4g04770.1	-0.412	-0.713	-0.394	-0.429
A013945_01	At4g04860	unknown protein; protein id: At4g04860.1	-0.316	-0.353	0.131	-0.295
A013948_01	At4g29670	thioredoxin - like protein; protein id: At4g29670.1	-0.438	-0.222	-0.705	-0.553
A013950_01	At4g04950	putative thioredoxin; protein id: At4g04950.1	0.5	0.186	-0.08	0.241
A013951_01	At4g04960	unknown protein; protein id: At4g04960.1	-0.87	-0.684	-0.715	-0.789
A013956_01	At4g21470	putative protein; protein id: At4g21470.1	-0.149	-0.368	0.302	0.294
A013960_01	At4g02770	putative photosystem I reaction center subunit II pre	-0.718	-0.494	-0.133	-0.683
A013971_01	At4g05420	UV-damaged DNA binding factor - like protein; prot	-0.268	-0.403	-0.584	-0.684
A013973_01	At4g35340	UDP-galactose transporter - like protein; protein id:	0.49	0.419	0.33	0.632
A013974_01	At4g24400	serine/threonine kinase-like protein; protein id: At4g	-0.49	-1.042	-0.258	-0.092
A013975_01	At4g07670	putative peptidase; protein id: At4g07670.1	0.021	-0.491	-0.023	0.15
A013980_01	At4g35290	putative protein; protein id: At4g35290.1	-0.855	-1.097 NA		-0.7
A013987_01	At5g17900	microfibril-associated protein - like; protein id: At5g1	-0.186	-0.289	-0.003	0.201
A013989_01	At5g45775	expressed protein; protein id: At5g45775.2	0.942	0.828	0.977	0.7
A013994_01	At4g24290	putative protein; protein id: At4g24290.1	-0.351	-0.444	-0.085	-0.089
A013995_01	At4g24230	putative protein; protein id: At4g24230.1	-1.02	-1.278	-0.573	-0.742
A013998_01	At4g39620	putative protein; protein id: At4g39620.1	0.853	0.489	0.316	0.931
A014000_01	At4g09150	putative protein; protein id: At4g09150.1	-0.126	-0.376	-0.443	-1.012
A014010_01	At4g10710	putative transcriptional regulator; protein id: At4g107	-0.002	0.067	-0.148	-0.518
A014014_01	At4g10790	hypothetical protein; protein id: At4g10790.1	-0.023 NA		-0.629	-1.004
A014015_01	At4g29120	putative protein; protein id: At4g29120.1	NA	NA	0.046	-0.442
A014016_01	At4g14010	expressed protein; protein id: At4g14010.1	0.275 NA		0.427 NA	
A014017_01	At4g10380	major intrinsic protein (MIP) - like; protein id: At4g103	NA	NA	-1.14 NA	
A014019_01	At4g27340	putative protein; protein id: At4g27340.1	0.422 NA	NA		0.517
A014020_01	At4g00740	unknown protein; protein id: At4g00740.1	0.373	0.37	0.201	0.429
A014021_01	At4g37050	patatin, putative; protein id: At4g37050.1	NA	NA	NA	NA
A014024_01	At4g29810	MAP kinase kinase 2; protein id: At4g29810.1	0.307	0.065	0.247	0.578
A014025_01	At4g20880	ethylene-regulated transcript 2 (ERT2); protein id: A	-0.851	-0.452	-0.266	-0.366
A014026_01	At4g25500	arginine/serine-rich splicing factor RSp40; protein id	-0.328	0.099	-0.241	-0.824
A014027_01	At4g08470	putative mitogen-activated protein kinase; protein id	-0.551 NA	NA	NA	
A014031_01	At4g26700	fimbrin-like protein (ATFIM1); protein id: At4g26700	-1.283	-1.388	-0.836	-1.281
A014036_01	At4g12060	putative protein; protein id: At4g12060.1	0.276	0.387	0.266	0.597
A014038_01	At4g28910	putative protein; protein id: At4g28910.1	0.329	-0.011	-0.045	0.376
A014040_01	At4g11320	cysteine proteinase; protein id: At4g11320.1	2.25	1.694	1.722	2.709
A014043_01	At4g31790	methyltransferase - like protein; protein id: At4g3179	0.583 NA		0.603	0.644
A014046_01	At4g25000	alpha-amylase - like protein; protein id: At4g25000.1	-2.305	-0.933	-1.355	-2.238
A014056_01	At4g30210	NADPH-ferrihemoprotein reductase (ATR2)	-0.816	-0.728	-0.757	-0.909
A014062_01	At4g27650	pelota (PEL1); protein id: At4g27650.1	-0.231	-0.403	-0.297	-0.586
A014064_01	At4g33430	somatic embryogenesis receptor-like kinase -like pr	-0.496	-0.319	-0.175	-0.839
A014066_01	At4g23880	hypothetical protein; protein id: At4g23880.1	-1.957	-2.069	-0.725	-1.814
A014067_01	At4g16330	naringenin 3-dioxygenase like protein; protein id: At	-0.208	-0.304	-0.004	-0.327
A014068_01	At4g23870	putative protein	-0.155	0.166	0.442	-0.473
A014069_01	At4g23710	V-ATPase subunit G (vag2 gene); protein id: At4g237	-0.158	0.373	0.261	-0.097
A014072_01	At4g16520	AtAPG8f; symbiosis-related like protein; protein id: A	-1.271	-1.454	-0.916	-1.017
A014075_01	At4g00490	glycosyl hydrolase family 14 (beta-amylase); protein	0.925	0.734	0.663	1.328
A014083_01	At4g16770	gibberellin oxidase-like protein; protein id: At4g1677	-0.007 NA		-0.147	0.281
A014084_01	At4g34110	polyadenylate-binding protein 2 (PABP2); protein id	0.045	-0.035	-0.406	-0.14
A014085_01	At4g31270	hypothetical protein; protein id: At4g31270.1	0.595 NA	NA		0.287
A014086_01	At4g27900	putative protein; protein id: At4g27900.1	1.012	0.912	0.906	1.189
A014088_01	At4g31310	AlG2-like protein; protein id: At4g31310.1	-0.222 NA		0.214	-0.376
A014089_01	At4g18810	putative protein; protein id: At4g18810.1	-0.116	-0.557	-0.317	-0.223
A014095_01	At4g28760	putative protein; protein id: At4g28760.1	0.193	0.25	0.376	0.342
A014097_01	At4g22920	expressed protein; protein id: At4g22920.1	-3.093 NA		-1.68	-2.035
A014098_01	At4g12790	putative protein; protein id: At4g12790.1	0.158	-0.149	-0.089	0.177
A014109_01	At4g17730	syntaxin SYP23; protein id: At4g17730.1	-0.141	-0.435	-0.247	-0.102
A014112_01	At4g32140	putative protein; protein id: At4g32140.1	NA	NA	0.212	0.084
A014113_01	At4g32130	unknown protein	-0.134	-0.131	0.144	-0.042
A014115_01	At4g28040	Medicago nodulin N21-like protein; protein id: At4g2	-2.721 NA		-0.881	-1.824
A014117_01	At4g28210	expressed protein; protein id: At4g28210.1	0.354 NA		0.341	0.21
A014119_01	At4g09670	AX110P -like protein; protein id: At4g09670.1	-0.229	-0.079	0.289	0.349
A014121_01	At4g00360	cytochrome p450, putative; protein id: At4g00360.1	-0.915 NA		-0.485	-1.079
A014124_01	At4g27800	protein phosphatase homolog (PPH1); protein id: At	-0.775	-0.79	-0.825	-1.25
A014126_01	At4g28025	expressed protein; protein id: At4g28025.1	-0.831	-0.802	-0.609	-1.651
A014130_01	At4g30490	putative protein; protein id: At4g30490.1	-1.032	-1.893	-0.418	0.021
A014131_01	At4g14040	selenium-binding protein like; protein id: At4g14040	-1.789	-1.86	-0.887	-0.722
A014132_01	At4g38225	expressed protein; protein id: At4g38225.1	-0.793 NA		-0.283	-1.118

A014136_01	At4g24750	putative protein; protein id: At4g24750.1	0.621	0.756	0.428	0.589
A014137_01	At4g31090	putative protein; protein id: At4g31090.1	-0.513	-0.45	-0.406	-0.659
A014139_01	At4g20130	hypothetical protein; protein id: At4g20130.1	0.926	0.699	0.357	0.797
A014140_01	At4g33350	Tic22 -like protein; protein id: At4g33350.1	0.011	0.406	0.191	-0.393
A014141_01	At4g31150	putative protein; protein id: At4g31150.1	-0.451 NA	NA	NA	
A014144_01	At4g38920	H ⁺ -transporting ATPase 16K chain P2, vacuolar; pr	-0.391	-0.24	0.036	-0.353
A014146_01	At4g39170	SEC14 - like protein; protein id: At4g39170.1	0.647	0.792	0.751	1.534
A014147_01	At4g36400	actin interacting protein; protein id: At4g36400.1	-0.823 NA		-0.851	-0.288
A014155_01	At4g30100	putative protein; protein id: At4g30100.1	-0.474	-1.03 NA		-0.488
A014161_01	At4g36760	aminopeptidase-like protein; protein id: At4g36760.1	-1.085	-1.357	-0.54	-1.297
A014163_01	At4g18400	expressed protein; protein id: At4g18400.1	0.752	0.904	0.462	0.209
A014165_01	At4g30790	putative protein; protein id: At4g30790.1	-0.866	-1.028 NA		-0.76
A014167_01	At4g37000	putative protein; protein id: At4g37000.1	-0.182 NA	NA		-0.815
A014168_01	At4g24700	hypothetical protein; protein id: At4g24700.1	-1.436	-1.097 NA		-0.869
A014169_01	At4g18910	major intrinsic protein (MIP)- like; protein id: At4g18	0.103	0.051	0.411	0.888
A014174_01	At4g37190	tubulin-like protein; protein id: At4g37190.1	0.242	0.209 NA		-0.641
A014176_01	At4g39100	ES43 like protein; protein id: At4g39100.1	-1.021	-0.958	-0.555	-0.83
A014177_01	At4g10140	expressed protein; protein id: At4g10140.1	-0.307	-0.237	0.394	-0.016
A014178_01	At4g39220	AtRer1A; protein id: At4g39220.1	-0.054 NA		0.205	-0.184
A014179_01	At4g24680	putative protein; protein id: At4g24680.1	-0.155	-0.462 NA		-0.56
A014180_01	At4g38540	monooxygenase 2 (MO2); protein id: At4g38540.1 NA	NA	NA	NA	
A014182_01	At4g11820	hydroxymethylglutaryl-CoA synthase; protein id: At4	0.955	0.857	0.615	1.186
A014185_01	At4g17740	photosystem li D1 carboxy-terminal protease; protei	0.175	0.245	0.141	0.288
A014186_01	At4g36730	G-box-binding factor 1; protein id: At4g36730.1	-0.627	-0.887	-0.404	-0.721
A014188_01	At4g10110	putative protein; protein id: At4g10110.1	-0.449 NA	NA	NA	
A014189_01	At4g39210	glucose-1-phosphate adenyllyltransferase (APL3); p	0.475	0.358	0.156	0.667
A014192_01	At4g01100	mitochondrial carrier protein family; protein id: At4g	-0.206	-0.009	-0.25	-0.04
A014194_01	At4g38360	putative protein; protein id: At4g38360.1	-0.632	-0.757	-0.374	-0.566
A014201_01	At4g27740	putative protein; protein id: At4g27740.1	-0.897	-0.765	-0.08	-0.417
A014202_01	At4g27750	hypothetical protein; protein id: At4g27750.1	0.123	0.064	-0.046	0.03
A014203_01	At4g38750	hypothetical protein; protein id: At4g38750.1	0.553	0.451	0.704	1.352
A014204_01	At4g38800	putative protein; protein id: At4g38800.1	-0.056	-0.163	-0.094	-0.071
A014205_01	At4g38840	auxin-induced protein - like; protein id: At4g38840.1	-0.393 NA		-0.14	-1.423
A014208_01	At4g38890	putative protein; protein id: At4g38890.1	0.576	0.52	0.733	1.083
A014209_01	At4g38900	bZIP protein; protein id: At4g38900.1	0.292 NA	NA		-0.177
A014210_01	At4g38960	CONSTANS B-box zinc finger family protein; proteir	-0.315	-0.516	0.452	0.735
A014213_01	At4g27090	ribosomal protein L14 -like protein; protein id: At4g2	0.258	0.372	0.909	1.307
A014224_01	At4g09890	putative protein; protein id: At4g09890.1	-2.005	-1.793	-0.717	-0.993
A014229_01	At4g10080	putative protein; protein id: At4g10080.1	-1.342	-0.776	-0.762	-1.114
A014233_01	At4g09750	putative protein; protein id: At4g09750.1	0.091	-0.221	-0.061	0.123
A014239_01	At4g25910	nitrogen fixation like protein; protein id: At4g25910.1	-0.425	-0.412	-0.238	-0.208
A014245_01	At4g10170	putative protein; protein id: At4g10170.1	-0.195	-0.419	-0.022	-0.331
A014247_01	At4g10270	probable wound-induced protein; protein id: At4g10;	1.855	1.478	1.273	1.407
A014248_01	At4g10280	putative protein; protein id: At4g10280.1	-0.038	0.132	0.527	-0.148
A014249_01	At4g10300	putative protein; protein id: At4g10300.1	0.083	-0.166	-0.17	-0.393
A014250_01	At4g10360	expressed protein; protein id: At4g10360.1	-0.507	-0.864	-0.219	-0.525
A014253_01	At4g33510	2-dehydro-3-deoxyphosphoheptonate aldolase; prot	0.048	-0.091	-0.551	-0.213
A014256_01	At4g10480	putative alpha NAC; protein id: At4g10480.1	0.652	0.719	0.476	0.629
A014257_01	At4g10810	putative protein; protein id: At4g10810.1	-0.239 NA	NA	NA	
A014264_01	At4g31880	putative protein; protein id: At4g31880.1	0.432	0.129	0.245	0.174
A014270_01	At4g12000	putative protein; protein id: At4g12000.1	-0.64	-1.277 NA	NA	
A014274_01	At4g12830	hydrolase-like protein; protein id: At4g12830.1	-1.929	-1.752	-1.72	-2.225
A014275_01	At4g12890	putative protein; protein id: At4g12890.1	2.005	1.543	1.555	2.536
A014276_01	At4g13530	putative protein; protein id: At4g13530.1	-1.616	-1.839	-0.802	-1.137
A014278_01	At4g24820	26S proteasome regulatory subunit (RPN7), putativ	0.247	0.19	0.291	0.452
A014286_01	At4g27070	tryptophan synthase beta-subunit (TSB2); protein id	0.649	0.628	0.77	0.874
A014293_01	At4g29780	expressed protein; protein id: At4g29780.1 NA	NA	NA	-0.301	-0.922
A014295_01	At4g11570	putative protein; protein id: At4g11570.1	-1.297 NA		-1.188	-1.623
A014304_01	At4g29110	putative protein; protein id: At4g29110.1	-2.339 NA	NA	NA	
A014305_01	At4g29160	putative protein; protein id: At4g29160.1	-0.301	-0.763	-0.328	-0.388
A014307_01	At4g27870	unknown protein; protein id: At4g27870	0.805	0.677	0.287	0.416
A014310_01	At4g39400	brassinosteroid insensitive 1 gene (BRI1); protein id	0.615	0.518	0.512	0.301
A014313_01	At4g39520	GTP-binding - like protein; protein id: At4g39520.1	0.232	-0.007	-0.102	0.111
A014317_01	At4g24420	RRM-containing protein; protein id: At4g24420.1	0.148	0.118	0.649	0.311
A014319_01	At4g29500	X-Pro dipeptidase - like protein (fragment); protein i	-0.469	-0.244	-0.134	0.187
A014323_01	At4g34860	invertase - like protein; protein id: At4g34860.1	0.215	0.177 NA		0.472
A014325_01	At4g13040	hypothetical protein; protein id: At4g13040.1	-0.786 NA	NA		-0.635
A014331_01	At4g08310	putative protein; protein id: At4g08310.1	0.601 NA	NA		0.697

A014339_01	At4g20870	fatty acid hydroxylase - like protein; protein id: At4g20870.1	0.581	0.57	0.429	0.457
A014344_01	At4g31560	putative protein; protein id: At4g31560.1	-0.251	-0.21	-0.165	-1.43
A014441_01	At4g28980	cyclin-dependent kinase F;1; protein id: At4g28980.1	0.017	NA	-0.388	-0.547
A014442_01	At4g09570	calmodulin-domain protein kinase CDPK isoform 4	0.474	0.514	0.094	0.517
A014443_01	At4g02720	unknown protein; protein id: At4g02720.1	-0.222	-0.346	0.062	-0.342
A014448_01	At4g02820	hypothetical protein; protein id: At4g02820.1	0.154	0.079	NA	0.022
A014449_01	At4g22240	fibrillin precursor-like protein; protein id: At4g22240.1	0.482	-0.121	0.293	0.898
A014455_01	At4g37540	putative protein; protein id: At4g37540.1	-0.625	-0.293	-0.349	-0.794
A014457_01	At4g31510	putative protein; protein id: At4g31510.1	-1.256	NA	-0.773	-0.876
A014459_01	At4g31480	putative protein; protein id: At4g31480.1	0.451	-0.017	-0.373	0.004
A014462_01	At4g00170	putative proline-rich protein; protein id: At4g00170.1	0.059	-0.031	0.194	0.038
A014463_01	At4g15940	isomerase like protein; protein id: At4g15940.1	-0.621	-0.792	-0.391	-0.218
A014464_01	At4g03210	xyloglucan endotransglycosylase, putative; protein id: At4g03210.1	1.652	1.155	1.541	2.674
A014468_01	At4g08150	KNAT1 homeobox-like protein; protein id: At4g08150.1	-0.424	-0.379	-0.282	-0.649
A014469_01	At4g28490	leucine-rich repeat transmembrane protein kinase, putative; protein id: At4g28490.1	-2.491	-3.088	-1.44	-2.224
A014472_01	At4g27120	putative protein; protein id: At4g27120.2	0.248	-0.201	NA	-0.37
A014473_01	At4g16410	expressed protein; protein id: At4g16410.1	-0.548	-0.475	-0.608	-0.999
A014474_01	At4g08500	MEKK1/MAP kinase kinase kinase; protein id: At4g08500.1	-0.917	-0.621	-0.627	-0.756
A014486_01	At4g12110	putative C-4 sterol methyl oxidase; protein id: At4g12110.1	0.407	0.514	0.366	0.88
A014493_01	At4g32410	cellulose synthase catalytic subunit (RSW1); protein id: At4g32410.1	-0.006	-0.426	-0.276	-0.255
A014495_01	At4g26870	putative aspartate-tRNA ligase; protein id: At4g26870.1	0.351	0.172	0.282	0.382
A014497_01	At4g24210	putative protein; protein id: At4g24210.1	-0.249	-0.246	0.258	-0.049
A014501_01	At4g32470	ubiquinol-cytochrome c reductase - like protein; protein id: At4g32470.1	-0.234	-0.462	0.159	-0.14
A014502_01	At4g25590	actin depolymerizing factor-like protein; protein id: At4g25590.1	-0.562	-0.442	NA	NA
A014503_01	At4g04020	putative fibrillin; protein id: At4g04020.1	0.639	0.515	0.361	0.9
A014509_01	At4g29070	expressed protein; protein id: At4g29070.1	-0.687	-0.794	NA	-1.142
A014510_01	At4g25450	ABC transporter family protein; protein id: At4g25450.1	-0.651	-0.257	-0.486	-0.22
A014514_01	At4g19150	ankyrin-like protein; protein id: At4g19150.1	0.529	0.405	0.306	0.106
A014516_01	At4g31040	expressed protein; protein id: At4g31040.1	-0.043	-0.277	-0.485	-0.695
A014519_01	At4g04460	putative aspartic protease; protein id: At4g04460.1	-2.611	-2.594	-1.265	-2.411
A014520_01	At4g00500	calmodulin-binding heat-shock protein; protein id: At4g00500.1	-0.547	-0.68	NA	NA
A014522_01	At4g30960	putative protein kinase; protein id: At4g30960.1	-0.93	-1.299	-0.507	-0.376
A014526_01	At4g14930	expressed protein; protein id: At4g14930.1	-2.212	-2.148	-0.478	-0.948
A014529_01	At4g33890	hypothetical protein; protein id: At4g33890.1	NA	NA	NA	-0.122
A014531_01	At4g18040	translation initiation factor eIF4E; protein id: At4g18040.1	0.575	0.51	0.645	0.975
A014532_01	At4g04850	putative potassium transporter; protein id: At4g04850.1	-0.406	NA	-1.18	-1.102
A014537_01	At4g09730	DEAD/DEAH box RNA helicase protein, putative; protein id: At4g09730.1	0.916	0.382	0.062	0.321
A014539_01	At4g16130	galactokinase like protein; protein id: At4g16130.1	-0.639	-1.229	-0.544	-0.753
A014543_01	At4g20280	putative protein; protein id: At4g20280.1	0.035	-0.01	0.185	0.29
A014544_01	At4g25880	putative pumilio protein	-0.436	-0.676	-0.546	-0.157
A014548_01	At4g12780	auxilin-like protein; protein id: At4g12780.1	0.004	NA	-0.246	-0.75
A014550_01	At4g05160	4-coumarate--CoA ligase - like protein; protein id: At4g05160.1	-0.59	-0.848	-0.399	-0.135
A014556_01	At4g04350	putative leucyl tRNA synthetase; protein id: At4g04350.1	0.522	0.509	NA	1.033
A014560_01	At4g05440	D123 -like protein; protein id: At4g05440.1	NA	0.408	0.746	0.586
A014570_01	At4g10320	isoleucine-tRNA ligase - like protein; protein id: At4g10320.1	0.653	0.084	0.292	0.799
A014571_01	At4g28270	putative protein; protein id: At4g28270.1	-2.218	-2.054	-1.07	-1.504
A014574_01	At4g30890	ubiquitin-specific protease 24 (UBP24), putative; protein id: At4g30890.1	0.064	0.145	-0.285	0.061
A014576_01	At4g32770	putative protein; protein id: At4g32770.1	-0.158	-0.274	-0.675	-0.992
A014577_01	At4g02930	mitochondrial elongation factor Tu; protein id: At4g02930.1	1.416	1.245	1.296	1.514
A014580_01	At4g20980	translation initiation factor eIF3 - like protein; protein id: At4g20980.1	0.51	0.393	0.42	0.566
A014581_01	At4g30530	putative protein; protein id: At4g30530.1	-1.318	-1.755	-0.781	-0.865
A014587_01	At4g34120	putative protein; protein id: At4g34120.1	-0.58	-0.427	-0.36	0.265
A014590_01	At4g11740	putative protein; protein id: At4g11740.1	-0.527	NA	-0.448	-0.639
A014594_01	At4g34460	G-protein beta-subunit (transducin) (AGB1); protein id: At4g34460.1	-0.288	-0.572	-0.354	-0.441
A014596_01	At4g19410	pectinacetyltransferase, putative; protein id: At4g19410.1	0.418	0.175	-0.2	-0.41
A014597_01	At4g19240	hypothetical protein; protein id: At4g19240.1	-0.146	-0.27	0.152	0.387
A014600_01	At4g17520	nuclear RNA binding protein A-like protein; protein id: At4g17520.1	0.592	0.619	0.453	NA
A014601_01	At4g24220	putative protein; protein id: At4g24220.1	-1.022	-0.885	-0.611	-1.211
A014611_01	At4g01070	putative flavonol glucosyltransferase; protein id: At4g01070.1	-2.536	-2.85	-1.038	-1.468
A014612_01	At4g13010	putative protein; protein id: At4g13010.1	-1.091	-1.539	-0.727	-0.798
A014615_01	At4g25740	putative ribosomal protein S10; protein id: At4g25740.1	0.705	0.783	0.691	0.72
A014621_01	At4g35420	putative protein; protein id: At4g35420.1	-0.082	NA	NA	NA
A014622_01	At4g27990	A.t. histone deacetylase mRNA, complete cds	-0.945	-0.76	-0.249	-1.514
A014628_01	At4g35360	putative protein; protein id: At4g35360.1	0.02	-0.228	-0.101	0.134
A014629_01	At4g35240	putative protein; protein id: At4g35240.1	-0.548	-0.632	-0.108	-0.656
A014632_01	At4g34620	putative ribosomal protein S16; protein id: At4g34620.1	1.135	0.678	0.605	1.195
A014633_01	At4g14360	ankyrin like protein; protein id: At4g14360.1	0.619	0.452	-0.216	-0.121
A014634_01	At4g39730	putative protein; protein id: At4g39730.1	1.357	1.188	0.858	1.02

A014636_01	At4g35790	putative protein; protein id: At4g35790.1	-0.04	-0.075	-0.065	0.175
A014637_01	At4g03390	leucine-rich repeat transmembrane protein kinase, f	0.013	-0.435	-0.439	-0.216
A014639_01	At4g10090	expressed protein; protein id: At4g10090.1	0.109	0.14	0.493	0.421
A014643_01	At4g30190	putative H ⁺ -transporting ATPase	-0.624	-0.33	0.306	0.1
A014644_01	At4g14110	COP9 protein; protein id: At4g14110.1	0.17	0.27	0.296	0.22
A014646_01	At4g11960	putative protein; protein id: At4g11960.1	-0.728	-1.069	-1.197	-1.306
A014650_01	At4g14300	heterogeneous nuclear ribonucleoprotein(hnRNP), f	0.526	0.618	-0.184	-0.316
A014654_01	At4g14410	bHLH protein; protein id: At4g14410.1	-0.731	-0.768	-0.126	-0.536
A014655_01	At4g14420	elicitor like protein; protein id: At4g14420.1	1.154	0.896	0.442	0.6
A014660_01	At4g14510	hypothetical protein; protein id: At4g14510.1	0.054	0.143 NA	NA	
A014661_01	At4g34630	putative protein; protein id: At4g34630.1	-0.799	-1.003	0.564	0.431
A014662_01	At4g14540	CCAAT-binding transcription factor subunit A(CBF-)	-0.483	-0.511	0.08	-0.54
A014667_01	At4g27390	putative protein; protein id: At4g27390.1	-1.053	-0.759	-0.738	-0.76
A014669_01	At4g12250	nucleotide sugar epimerase -like protein; protein id:	-0.168	-0.091	-0.047	0.036
A014675_01	At4g17600	Lil3 protein; protein id: At4g17600.1	0.47	0.608	0.536	0.295
A014676_01	At4g29840	threonine synthase; protein id: At4g29840.1	0.35	0.363	0.261	0.327
A014677_01	At4g14920	hypothetical protein; protein id: At4g14920.1	0.434	0.283 NA		0.122
A014682_01	At4g22220	iron-sulfur cofactor synthesis protein nifUomolog	-0.14	-0.341	-0.197	-0.261
A014684_01	At4g31570	putative protein; protein id: At4g31570.1	-0.408	-0.491	-0.116	-0.586
A014685_01	At4g21180	putative protein; protein id: At4g21180.1	0.669	0.574 NA		0.332
A014688_01	At4g37610	putative protein; protein id: At4g37610.1	-2.573 NA		-1.043	-1.033
A014699_01	At4g33090	aminopeptidase- like protein; protein id: At4g33090.	-0.588	-0.861	-0.607	-0.603
A014701_01	At4g39970	putative protein; protein id: At4g39970.1	-0.248	0.341	-0.14	-0.325
A014702_01	At4g33050	putative protein; protein id: At4g33050.1	-2.95 NA		-1.91	-2.662
A014704_01	At4g39260	glycine-rich RNA-binding protein 8 (GRP8); protein i	-0.284	0.172	0.13	0.141
A014705_01	At4g35750	putative protein; protein id: At4g35750.1	-2.304	-2.78	-1.27	-1.718
A014706_01	At4g15770	hypothetical protein; protein id: At4g15770.1	0.766	0.825	0.717	0.821
A014707_01	At4g15780	SYBL1 like protein; protein id: At4g15780.1	-0.031	-0.106	-0.213	-0.235
A014708_01	At4g02560	LUMINIDEPENDENS protein; protein id: At4g02560	0.065	-0.312 NA		0.146
A014709_01	At4g15810	hypothetical protein; protein id: At4g15810.1	-0.242	-0.427	-0.296	-0.256
A014716_01	At4g13940	adenosylhomocysteinase; protein id: At4g13940.1	0.745	0.387	0.735	1.503
A014717_01	At4g35530	putative protein; protein id: At4g35530.1	-0.285	-0.032	0.217	0.218
A014720_01	At4g38740	peptidylprolyl isomerase ROC1; protein id: At4g387.	0.096	-0.199	0.4	1.178
A014721_01	At4g11010	nucleoside diphosphate kinase 3 (ndpk3); protein id	1.201	0.825	0.732	0.972
A014722_01	At4g35000	ascorbate peroxidase, putative (APX); protein id: At.	-0.224	-0.393	-0.203	-0.369
A014723_01	At4g25130	protein-methionine-S-oxide reductase	-0.252	0.008	0.027	-0.66
A014724_01	At4g16240	glycine-rich protein homolog; protein id: At4g16240.	-1.455	-0.501 NA		-0.299
A014725_01	At4g35100	plasma membrane intrinsic protein (SIMIP)	-0.232	-0.096	0.136	0.599
A014726_01	At4g16320	hypothetical protein; protein id: At4g16320.1	-0.319	-0.624 NA		-0.454
A014728_01	At4g16390	salt-inducible protein homolog; protein id: At4g1639	0.233	0.498	0.348	0.435
A014730_01	At4g16420	transcriptional adaptor like protein; protein id: At4g1	-0.052	-0.096	0.193	0.067
A014732_01	At4g17486	putative protein; protein id: At4g17486.1	0.278	0.116	0.337	0.352
A014733_01	At4g16830	nuclear antigen homolog; protein id: At4g16830.1	-0.781	-0.822	-0.579	-0.932
A014738_01	At4g31300	20S proteasome beta subunit A (PBA1); protein id:	0.142	0.136	0.344	0.476
A014742_01	At4g33670	putative protein; protein id: At4g33670.1	0.337	0.33	-0.193	-0.293
A014743_01	At4g20850	putative protein; protein id: At4g20850.1	-0.111	-0.65	-0.538	-0.498
A014745_01	At4g39910	ubiquitin-specific protease (AtUBP3)	-0.923	-0.327	-0.433	-0.194
A014746_01	At4g27960	E2, ubiquitin-conjugating enzyme 9 (UBC9); protein	-1.363	-0.781	-0.832	-0.863
A014750_01	At4g39330	cinnamyl-alcohol dehydrogenase CAD1; protein id:	1.106	0.669	0.836	1.764
A014751_01	At4g33000	putative protein (fragment); protein id: At4g33000.1	-0.057 NA		-0.328	-0.401
A014752_01	At4g38710	putative protein; protein id: At4g38710.1	0.046 NA		0.229	-0.01
A014754_01	At4g34190	putative protein; protein id: At4g34190.1	0.129	0.056	-0.243	-0.618
A014755_01	At4g21790	putative protein; protein id: At4g21790.1	-0.12	-0.06	-0.494	-0.659
A014758_01	At4g35770	senescence-associated protein sen1; protein id: At4	-3.499	-3.76	-0.955	-2.427
A014759_01	xxxx	b/t disease resistance protein (TIR-NBS class), puta	-0.906	-0.957	-1.354	-1.118
A014760_01	At4g22410	putative protein; protein id: At4g22410.1	0.304	-0.078	0.052	0.206
A014761_01	At4g19880	putative protein; protein id: At4g19880.1	-0.072	-0.518	-0.366	-0.278
A014762_01	At4g34910	DEAD/DEAH box RNA helicase protein, putative; pr	0.139	0.272	0.235	0.145
A014763_01	At4g38970	putative fructose-bisphosphate aldolase; protein id:	-0.699	-0.726	-0.248	-0.346
A014765_01	At4g17080	hypothetical protein; protein id: At4g17080.1	-1.298	-1.33	-0.701	-1.094
A014767_01	At4g02510	putative chloroplast outer envelope 86-like protein; f	-0.392	-0.367	-0.268	-0.645
A014769_01	At4g02380	coded for by A. thaliana cDNA T46835; protein id: A	-1.327	-1.325	-0.626	-1.551
A014771_01	At4g00100	putative ribosomal protein S13; protein id: At4g0010	0.535	0.536	0.603	0.816
A014774_01	At4g17360	phosphoribosylglycinamide formyltransferase-like pi	-0.116	-0.196	-0.375	-0.17
A014777_01	At4g24440	putative transcription factor IIA small subunit	-0.092	0.303	0.406	-0.208
A014780_01	At4g38130	Histone deacetylase; protein id: At4g38130.1	0.298	0.206	0.468	0.573
A014783_01	At4g23100	gamma-glutamylcysteine synthetase; protein id: At4	0.277	-0.024	-0.363	-0.106
A014785_01	At4g13640	putative protein; protein id: At4g13640.1	0.471	0.312	0.109	0.059

A014789_01	At4g23670	major latex protein (MLP)-related; protein id: At4g23670.1	-0.236	-0.852	0.141	0.378
A014793_01	At4g28260	putative protein; protein id: At4g28260.1	-0.52	-0.347	-0.203	-0.65
A014794_01	At4g17230	scarecrow-like 13 (SCL13); protein id: At4g17230.1	-0.306	-0.04	-0.35	-0.762
A014798_01	At4g14430	carnitine racemase like protein; protein id: At4g14430.1	-1.136 NA		0.037	-0.898
A014799_01	At4g02290	glycosyl hydrolase family 9; protein id: At4g02290.1	1.793	1.525	1.377	2.38
A014800_01	At4g28610	putative protein; protein id: At4g28610.1	-0.256	-0.436	-0.192	-0.296
A014801_01	At4g25620	unknown protein; protein id: At4g25620.1	-1.016	-1.027	0.084	0.015
A014802_01	At4g24660	putative protein; protein id: At4g24660.1	-0.746	-0.525 NA		-0.581
A014805_01	At4g29220	pyrophosphate-dependent phosphofructo-1-kinase-1	-0.15 NA		-0.441	-0.018
A014806_01	At4g36980	putative protein; protein id: At4g36980.1	-0.269	-0.338	0.306	-0.283
A014811_01	At4g29340	profilin 3; protein id: At4g29340.1	-0.7	-0.564 NA	NA	
A014819_01	At4g30310	putative protein; protein id: At4g30310.1	-0.211	-0.312	0.012	0.318
A014821_01	At4g24550	clathrin coat assembly like protein; protein id: At4g24550.1	0.111	-0.275	-0.171	0.255
A014825_01	At4g38690	putative protein; protein id: At4g38690.1	NA	NA	0.147	-0.367
A014832_01	At4g25570	putative protein; protein id: At4g25570.1	-0.478	-0.461	-0.416	-0.797
A014833_01	At4g23640	putative potassium transport protein (TRH1); protein id: At4g23640.1	-0.115 NA	NA		-0.668
A014835_01	At4g30630	putative protein; protein id: At4g30630.1	-0.851	-0.903 NA		-0.625
A014838_01	At4g23740	leucine-rich repeat transmembrane protein kinase, family 1	0.758	0.737	0.626	1.049
A014842_01	At4g26860	putative proline synthetase associated protein; protein id: At4g26860.1	-0.878	-0.754	-0.849	-0.878
A014848_01	At4g26940	Avr9 elicitor response like protein; protein id: At4g26940.1	0.187 NA		-0.289	-0.242
A014850_01	At4g27050	putative protein; protein id: At4g27050.1	-0.181	-0.164	-0.001	-0.034
A014851_01	At4g34260	hypothetical protein; protein id: At4g34260.1	1.388	0.71 NA		0.279
A014855_01	At4g34320	hypothetical protein common family; protein id: At4g34320.1	-2.686 NA		-0.99	-1.748
A014858_01	At4g33666	expressed protein; protein id: At4g33666.1	-2.345	-1.839	-0.943	-3.132
A014860_01	At4g29820	mRNA cleavage factor subunit - like protein; protein id: At4g29820.1	-1.049	-0.794	-0.73	-1.037
A014862_01	At4g34370	putative protein; protein id: At4g34370.1	-0.654	-0.683 NA		-0.411
A014867_01	At4g36740	homeodomain protein; protein id: At4g36740.1	-2.341 NA		0.188	-1.444
A014874_01	At4g36920	apetala2 protein; protein id: At4g36920.1	-0.11	-0.316 NA		0.317
A014875_01	At4g24930	thylakoid luminal 17.9 kDa protein, chloroplast precursor	0.622	0.789	0.462	-0.161
A014876_01	At4g11330	MAP kinase (ATMPK5); protein id: At4g11330.1	-1.952 NA	NA	NA	NA
A014888_01	At4g37210	putative protein; protein id: At4g37210.1	0.495	0.5	0.567	0.744
A014892_01	At4g37310	cytochrome P450-like protein	NA	NA	NA	-2.35
A014899_01	At4g03280	putative component of cytochrome B6-F complex; protein id: At4g03280.1	-0.444	-0.458	-0.26	-0.393
A014904_01	At4g02150	AtKAP alpha; protein id: At4g02150.1	0.553	0.602	0.667	0.914
A014914_01	At4g39710	FKBP-type peptidyl-prolyl cis-trans isomerase, putative	0.357	0.411	0.201	0.11
A014915_01	At4g19830	FKBP-type peptidyl-prolyl cis-trans isomerase; protein id: At4g19830.1	NA	NA	0.062	-0.652
A014919_01	At4g38060	putative protein; protein id: At4g38060.1	-1.263 NA		-0.406	-0.532
A014925_01	At4g35550	homeodomain - like protein; protein id: At4g35550.1	0.57	0.457	0.308	0.618
A014927_01	At4g03290	putative calmodulin; protein id: At4g03290.1	-0.718	-0.447	-0.968	-1.977
A014928_01	At4g03320	putative chloroplast protein import component; protein id: At4g03320.1	-1.327	-1.253	-0.618	-0.961
A014929_01	At4g25650	putative protein; protein id: At4g25650.1	-0.967	-0.954	-0.983	-1.157
A014931_01	At4g25670	expressed protein; protein id: At4g25670.1	-0.209	-0.317	-0.133	-0.16
A014932_01	At4g28030	unknown protein; protein id: At4g28030	-0.707	-0.917	-0.638	-1.267
A014933_01	At4g10180	deetiolated1 (DET1) light signal transduction protein	0.1	-0.099	0.297	0.487
A014935_01	At4g35540	putative protein; protein id: At4g35540.1	-0.241	-0.357 NA		-0.426
A014936_01	At4g36410	E2, ubiquitin-conjugating enzyme 17 (UBC17); protein id: At4g36410.1	-1.297 NA		-0.828 NA	
A014938_01	At4g14800	20S proteasome beta subunit D2 (PBD2); protein id: At4g14800.1	0.538	0.448	0.548	0.569
A014939_01	At4g25900	possible apospory-associated like protein	-1.318	-1.42	-1.248	-1.267
A014942_01	At4g05530	coded for by A. thaliana cDNA Z18000; protein id: At4g05530.1	-0.047	-0.496	0.222	0.163
A014945_01	At4g14680	ATP-sulfurylase; protein id: At4g14680.1	-0.677	-0.538	0.044	0.22
A014947_01	At4g03510	E3 ubiquitin ligase, RMA1; protein id: At4g03510.1	-1.59	-1.268	-0.872	-1.268
A014948_01	At4g28060	putative protein; protein id: At4g28060.1	-0.49	-0.337	0.005	-0.413
A014951_01	At4g30450	glycine-rich protein; protein id: At4g30450.1	-0.592	-0.217	0.063	-0.435
A014952_01	At4g22120	putative protein; protein id: At4g22120.1	-0.333	-0.153	-0.032	0.229
A014953_01	At4g19450	putative protein; protein id: At4g19450.1	-0.558 NA	NA		-0.358
A014954_01	At4g26850	A.t. DNA chromosome 4, BAC clone T5L19 (ESSA)	-1.176	-1.174	-0.129	0.349
A014955_01	At4g27480	N-acetylglucosaminyltransferase family (Core-2/I-B4)	-1.223	-1.101 NA		-0.812
A014965_01	At4g04040	putative phosphofructokinase beta subunit; protein id: At4g04040.1	0.568	0.186	0.671	0.909
A014971_01	At4g31750	protein phosphatase 2C (PP2C), putative; protein id: At4g31750.1	-0.184	-0.29	-0.1	-0.099
A014974_01	At4g22310	putative protein; protein id: At4g22310.1	0.072	0.214 NA	NA	
A014976_01	At4g08180	putative protein; protein id: At4g08180.1	-0.376	-0.474 NA		-1.248
A014979_01	At4g27380	expressed protein; protein id: At4g27380.1	0.32	0.444	0.121	-0.036
A014980_01	At4g17620	hypothetical protein; protein id: At4g17620.1	0.044 NA	NA		-0.326
A014982_01	At4g27350	putative protein; protein id: At4g27350.1	-0.303	-0.043	-0.169	-0.297
A014984_01	At4g05070	coded for by A. thaliana cDNA T44741; protein id: At4g05070.1	-1.981	-1.332	-1.056	-2.197
A014986_01	At4g22330	putative protein; protein id: At4g22330.1	-0.684	-0.329	-0.392	-0.472
A014989_01	At4g26620	sucrase-like protein; protein id: At4g26620.1	-0.085	0.005	0.226	0.328
A014991_01	At4g04640	coded for by A. thaliana cDNA AA041141; protein id: At4g04640.1	-0.546	-0.595	-0.766	-0.56

A014996_01	At4g10340	light-harvesting chlorophyll a/b binding protein; prote	-0.58	-0.439	-0.368	-0.231
A015002_01	At4g11800	putative protein; protein id: At4g11800.1	0.089	0.072	0.247	0.572
A015008_01	At4g24740	protein kinase (AFC2); protein id: At4g24740.1	-0.509	-0.492	0.12	-0.106
A015009_01	At4g04930	putative fatty acid desaturase; protein id: At4g04930	-0.518	-0.531	-0.785	NA
A015011_01	At4g11920	fizzy-related (FZR), putative; protein id: At4g11920.	-0.066	NA	NA	0.353
A015012_01	At4g34700	putative protein; protein id: At4g34700.1	0.689	0.49	0.448	0.332
A015013_01	At4g24990	expressed protein; protein id: At4g24990.1	-1.52	-1.262	-0.993	-0.764
A015025_01	At4g39510	cytochrome p450 family; protein id: At4g39510.1	0.144	-0.121	0.456	0.382
A015035_01	At4g11790	expressed protein; protein id: At4g11790.1	0.174	NA	NA	-0.107
A015041_01	At4g24270	putative protein; protein id: At4g24270.1	0.903	0.74	0.398	0.556
A015042_01	At4g37920	putative protein; protein id: At4g37920.1	0.518	NA	-0.016	0.385
A015044_01	At4g21660	spliceosome associated protein - like; protein id: At	0.13	-0.028	-0.274	-0.102
A015047_01	At4g24380	putative protein; protein id: At4g24380.1	0.484	0.491	0.427	0.416
A015050_01	At4g02200	drought-induced-19-like 1; protein id: At4g02200.1	0.017	-0.061	0.123	-0.007
A015054_01	At4g25520	putative protein; protein id: At4g25520.1	NA	NA	-0.767	-1.011
A015056_01	At4g21160	putative protein; protein id: At4g21160.1	-0.3	-0.569	-0.303	-0.088
A015062_01	At4g38470	protein kinase like protein; protein id: At4g38470.1	-0.75	-1.076	-1.043	-1.324
A015066_01	At4g29590	putative protein; protein id: At4g29590.1	0.303	0.123	-0.016	0.077
A015067_01	At4g07990	hypothetical protein; protein id: At4g07990.1	-0.03	NA	NA	-0.414
A015071_01	At4g25100	iron superoxide dismutase (FSD1); protein id: At4g2	-3.033	-3.24	-0.947	-0.768
A015072_01	At4g39200	ribosomal protein S25; protein id: At4g39200.1	0.867	0.807	0.757	0.259
A015075_01	At4g01050	expressed protein; protein id: At4g01050.1	0.446	0.165	-0.741	-0.746
A015077_01	At4g26110	nucleosome assembly protein I-like protein; protein	0.706	0.464	0.555	0.761
A015079_01	At4g24805	expressed protein; protein id: At4g24805.1	NA	NA	-0.063	-0.514
A015081_01	At4g26570	calcineurin B-like protein 3; protein id: At4g26570.1, NA	NA	NA	NA	-0.505
A015082_01	At4g32590	expressed protein; protein id: At4g32590.1	0.235	0.184	-0.135	-0.73
A015083_01	At4g32620	putative protein; protein id: At4g32620.1	-0.012	-0.2	-0.044	0.011
A015084_01	At4g34390	extra-large G-protein - like; protein id: At4g34390.1	-0.737	-1.044	-0.696	-1.204
A015088_01	At4g34920	putative protein; protein id: At4g34920.1	-1.141	-1.069	-0.555	-0.558
A015090_01	At4g32720	RRM-containing protein; protein id: At4g32720.1	0.31	0.159	0.355	0.58
A015092_01	At4g39870	putative protein; protein id: At4g39870.1	-0.016	-0.26	-0.149	-0.174
A015093_01	At4g20150	putative protein; protein id: At4g20150.1	0.458	0.339	0.305	-0.082
A015095_01	At4g23820	polygalacturonase, putative; protein id: At4g23820.1	1.752	1.549	1.281	1.421
A015096_01	At4g08940	hypothetical protein; protein id: At4g08940.1	0.161	0.054	NA	NA
A015097_01	At4g08960	putative phosphotyrosyl phosphatase activator prote	0.118	0.286	0.31	0.815
A015098_01	At4g12990	putative protein; protein id: At4g12990.1	-0.606	NA	NA	NA
A015102_01	At4g33010	P-Protein - like protein; protein id: At4g33010.1	-0.478	-1.247	-0.313	0.22
A015105_01	At4g04955	expressed protein; protein id: At4g04955.1	-1.56	-2.012	-1.683	-2.09
A015108_01	At4g02530	chloroplast thylakoid lumen protein; protein id: At4g	0.874	0.684	0.191	0.116
A015109_01	At4g35950	rac-like GTP-binding protein, putative; protein id: At	0.888	NA	0.634	0.495
A015111_01	At4g09180	putative protein; protein id: At4g09180.1	-0.575	NA	NA	-0.653
A015114_01	At4g27130	translation initiation factor; protein id: At4g27130.1	-0.252	-0.342	-0.071	0.171
A015118_01	At4g34280	putative protein; protein id: At4g34280.1	-0.725	-0.369	NA	-0.166
A015121_01	At4g21610	Lsd1 like protein; protein id: At4g21610.1	0.025	0.173	NA	NA
A015124_01	At4g20410	putative protein; protein id: At4g20410.1	-0.234	-0.437	-0.202	0.005
A015125_01	At4g26210	putative protein; protein id: At4g26210.1	0.715	0.613	0.604	0.433
A015126_01	At4g16660	HSP like protein; protein id: At4g16660.1	1.062	0.747	0.421	0.659
A015128_01	At4g32551	putative protein; protein id: At4g32551.1	0.182	NA	NA	-0.19
A015129_01	At4g25080	putative magnesium-protoporphyrin IXethyltransfera	0.049	-0.097	-0.318	-0.019
A015134_01	At4g22710	cytochrome p450 family; protein id: At4g22710.1	-1.864	-2.224	-1.663	-2.831
A015141_01	At4g28470	putative protein; protein id: At4g28470.1	0.571	0.448	0.331	0.821
A015144_01	At4g26780	grpE like protein; protein id: At4g26780.1	0.776	1.193	1.014	1.511
A015147_01	At4g07410	unknown protein; protein id: At4g07410.1	0.324	0.458	NA	1.079
A015148_01	At4g14190	salt-inducible protein homolog; protein id: At4g1419	-0.599	-0.362	-0.33	-0.439
A015149_01	At4g38090	putative protein; protein id: At4g38090.1	-0.133	0.09	-0.226	-0.788
A015157_01	At4g38020	hypothetical protein; protein id: At4g38020.1	0.744	0.657	-0.2	0.25
A015160_01	At4g38350	putative protein; protein id: At4g38350.1	-0.082	-0.163	NA	0.233
A015163_01	At4g14450	hypothetical protein; protein id: At4g14450.1	0.159	NA	-0.012	0.1
A015165_01	At4g05180	oxygen-evolving complex protein 16, chloroplast pre	-0.347	-0.693	-0.543	-0.99
A015167_01	At4g31390	similar to putative ABC transporter; protein id: At4g	-1.071	NA	-1.616	-2.283
A015168_01	At4g30200	putative protein; protein id: At4g30200.1	0.046	-0.36	-0.371	-0.185
A015171_01	At4g36390	putative protein; protein id: At4g36390.1	-0.111	NA	-0.438	-0.101
A015181_01	At4g31460	putative protein; protein id: At4g31460.1	0.875	0.845	0.753	0.615
A015182_01	At4g13830	DnaJ-like protein; protein id: At4g13830.1	-2.53	-2.38	-1.134	-2.373
A015183_01	At4g26500	putative protein; protein id: At4g26500.1	0.497	0.574	-0.044	-0.341
A015185_01	At4g08980	F-box protein family, AtFBW2; protein id: At4g0898	-0.374	-0.324	0.197	0.394
A015187_01	At4g14870	expressed protein; protein id: At4g14870.1	0.215	NA	0.44	-0.632
A015190_01	At4g14900	hydroxyproline-rich glycoprotein homolog; protein id	-0.404	NA	NA	NA

A015196_01	At4g29480	putative protein; protein id: At4g29480.1	0.524	0.696	0.491	0.019
A015197_01	At4g25550	putative protein; protein id: At4g25550.1	-0.242	-0.146 NA		-0.425
A015199_01	At4g18600	gene 11-1 protein - like; protein id: At4g18600.1	0.156	-0.191 NA	NA	
A015203_01	At4g16500	cysteine proteinase inhibitor like protein; protein id:	0.293	0.385	-0.069	-0.503
A015220_01	At4g24060	Dof zinc finger protein; protein id: At4g24060.1	-0.048	-0.088	-0.005	-0.062
A015223_01	At4g00660	DEAD/DEAH box RNA helicase, putative; protein id	-0.078	-0.08	-0.012	0.207
A015232_01	At4g38580	putative farnesylated protein	0.032	0.059	0.202	-0.245
A015235_01	At4g25630	fibrillarin 2 (AtFib2); protein id: At4g25630.1	1.285	1.129	1.221	1.974
A015236_01	At4g30720	putative protein; protein id: At4g30720.1	0.141	0.062	0.052	-0.046
A015237_01	At4g33250	putative protein; protein id: At4g33250.1	0.304	0.395	0.386	0.48
A015239_01	At4g15880	expressed protein; protein id: At4g15880.1	-0.023	0.128	0.204	0.596
A015240_01	At4g30220	snRNP Sm protein F - like; protein id: At4g30220.1	0.941	1.237	0.869	0.884
A015243_01	At4g27710	cytochrome P450 - like protein; protein id: At4g2771	-0.421	-0.689	-0.994	-1.011
A015246_01	At4g34215	expressed protein; protein id: At4g34215.1	0.164 NA		0.254	-0.001
A015249_01	At4g35060	copper chaperone (CCH)-related; protein id: At4g35	-2.083	-1.929	-1.061	-2.061
A015251_01	At4g16210	enoyl-CoA hydratase like protein; protein id: At4g16	-0.627	-0.57	-0.101	-0.288
A015257_01	At4g34450	nonclathrin coat protein gamma - like protein; protei	0.214	0.446	-0.296	-0.254
A015260_01	At4g16370	isp4 like protein; protein id: At4g16370.1	-0.671	-0.749 NA		-1.474
A015263_01	At4g01870	hypothetical protein; protein id: At4g01870.1	NA	NA	-1.316	-2.113
A015264_01	At4g39680	hypothetical protein; protein id: At4g39680.1	-0.005	-0.102	0.105	0.144
A015265_01	At4g22190	expressed protein; protein id: At4g22190.1	0.161	0.251	0.217	0.098
A015266_01	At4g22185	similar to protein; protein id: At4g22185	0.136 NA		0.467	-0.087
A015267_01	At4g16480	membrane transporter like protein; protein id: At4g1	-0.882 NA		-0.484	-0.987
A015269_01	At4g24560	ubiquitin-specific protease 16 (UBP16), putative; pr	-0.237	-0.005	0.059	-0.462
A015271_01	At4g16530	hypothetical protein; protein id: At4g16530.1	-0.32	-0.402	0.054	-0.279
A015272_01	At4g09330	putative protein; protein id: At4g09330.1	-0.277	-0.745	-0.107	-0.028
A015279_01	At4g16690	cyanohydrin lyase like protein; protein id: At4g16690	-1.375	-1.372	-0.502	-0.839
A015281_01	At4g18830	putative protein; protein id: At4g18830.1	NA	NA	NA	NA
A015283_01	At4g30950	chloroplast omega-6 fatty acid desaturase (fad6); pr	0.22	-0.01	-0.57	-0.359
A015284_01	At4g22750	expressed protein; protein id: At4g22750.1	-0.196	-0.359	-0.195	-0.16
A015285_01	At4g23630	putative protein; protein id: At4g23630.1	0.214	-0.277	0.343	0.514
A015286_01	At4g31985	expressed protein; protein id: At4g31985.1	0.624	0.807	0.688	0.683
A015294_01	At4g19985	expressed protein; protein id: At4g19985.1	0.747	0.624	0.204	0.655
A015296_01	At4g00270	contains similarity to S. cerevisiae ADR1 gene (PID	-0.027	-0.563	0.254	0.203
A015301_01	At4g25770	putative protein; protein id: At4g25770.1	-0.685 NA	NA		-0.496
A015302_01	At4g18730	ribosomal protein L11, cytosolic; protein id: At4g187	0.605	0.776	0.55	0.544
A015313_01	At4g31240	similar to putative receptor kinase; protein id: At4g3	-1.236 NA		-0.81	-1.095
A015314_01	At4g31780	monogalactosyldiacylglycerol synthase - like protei	-0.009	-0.148	-0.448	-0.595
A015319_01	At4g30390	putative protein; protein id: At4g30390.1	-0.936	-0.536	-0.143	-0.77
A015320_01	At4g14145	similar to kinesin like protein; protein id: At4g14145	-0.13	0.054 NA	NA	
A015321_01	At4g17530	ras-related small GTP-binding protein RAB1c; prote	-0.358	-0.997	-0.178	-0.534
A015323_01	At4g24520	NADPH-ferrihemoprotein reductase ATR1; protein i	-0.137	-0.096	-0.388	-0.414
A015331_01	At4g24040	glycosyl hydrolase family 37 (trehalase); protein id:	-0.821	-0.964	-0.289	0.03
A015336_01	At4g32150	synaptobrevin-like protein; protein id: At4g32150	-1.313	-1.181	-0.525	-0.658
A015339_01	At4g00780	coded for by A. thaliana cDNA T20615; protein id: A	-3.418	-4.089	-2.144	-2.876
A015345_01	At4g00870	bHLH protein; protein id: At4g00870.1	0.528	0.502	1.101	1.28
A015349_01	At4g33460	ABC transporter family protein; protein id: At4g3346	-0.143	-0.037	-0.031	-0.176
A015351_01	At4g28240	putative wound induced protein; protein id: At4g282	-2.012	-2.018	-0.43	-1.234
A015356_01	At4g30810	A.t. putative transcription factor (MYB98) mRNA, cc	0.82	0.772	0.258	0.51
A015357_01	At4g12680	putative protein; protein id: At4g12680.1	-0.132	-0.222 NA		-0.09
A015360_01	At4g29190	putative protein; protein id: At4g29190.1	-0.436	-0.52	-0.12	-0.124
A015361_01	At4g17790	expressed protein; protein id: At4g17790.1	-0.391 NA		-0.125	-0.219
A015368_01	At4g12760	hypothetical protein; protein id: At4g12760.1	-0.474	-0.468	0.132	-0.346
A015378_01	At4g32190	putative protein; protein id: At4g32190.1	-0.73	-0.805	-0.785	-0.394
A015380_01	At4g15160	cell wall protein like; protein id: At4g15160.1	-0.852	-0.567	-0.452	-0.949
A015388_01	At4g32400	mitochondrial carrier protein family; protein id: At4g	0.377	0.459	0.448	0.644
A015394_01	At4g30600	signal recognition particle receptor-like protein; prot	-0.906	-1.237	-0.946	-0.537
A015397_01	At4g22550	putative protein; protein id: At4g22550.1	0.112	0.553	0.408	0.173
A015404_01	At4g27000	RNA binding protein 45 (RBP45), putative; protein i	0.008	-0.037	0.202	0.62
A015414_01	At4g15030	putative protein; protein id: At4g15030.1	-0.012 NA		-0.041	-0.362
A015422_01	At4g36530	putative protein; protein id: At4g36530.1	-0.434	-0.634	-1.074	-1.11
A015423_01	At4g35840	putative protein; protein id: At4g35840.1	-0.642	-0.74	0.098	-0.518
A015431_01	At4g28400	protein phosphatase 2C (PP2C); protein id: At4g28	-0.643	-0.754	-0.233	-0.064
A015432_01	At4g19210	RNase L inhibitor protein, putative; protein id: At4g1	0.444	-0.054	-0.064	0.444
A015434_01	At4g33945	putative protein; protein id: At4g33945.1	0.516 NA		0.001	0.071
A015435_01	At4g32915	expressed protein; protein id: At4g32915.1	0.635 NA		0.472	-0.133
A015439_01	At4g36790	putative protein; protein id: At4g36790.1	-1.011	-0.966	-0.72	-0.941
A015442_01	At4g36840	putative protein; protein id: At4g36840.1	-0.319	-0.42 NA		-0.612

A015444_01	At4g33680	putative protein; protein id: At4g33680.1	0.958	0.598	0.457	0.895
A015445_01	At4g02260	putative GTP pyrophosphokinase; protein id: At4g02260.1	-0.331	-0.709	-0.991	-0.725
A015446_01	At4g02280	sucrose synthase, putative; protein id: At4g02280.1	NA	NA	NA	NA
A015447_01	At4g36930	bHLH protein, SPATULA; protein id: At4g36930.1	-1.264	-1.313	-1.125	-1.313
A015448_01	At4g18740	hypothetical protein; protein id: At4g18740.1	-1.09	NA	-0.776	-1.055
A015450_01	At4g02340	coded for by A. thaliana cDNA T04215; protein id: A015450.1	-0.145	-0.362	0.144	-0.352
A015453_01	At4g13430	putative protein; protein id: At4g13430.1	-0.106	-0.297	0.002	0.415
A015454_01	At4g37080	putative protein; protein id: At4g37080.1	0.412	0.035	NA	-0.019
A015455_01	At4g02430	arginine/serine-rich splicing factor (atSRp34), putative	-0.062	-0.301	-0.016	-0.064
A015457_01	At4g33630	expressed protein; protein id: At4g33630.1	-0.059	-0.686	-0.148	-0.399
A015458_01	At4g33580	carbonate dehydratase - like protein; protein id: At4g33580.1	0.588	0.401	0.464	0.473
A015462_01	At4g02680	hypothetical protein; protein id: At4g02680.1	-0.02	-0.05	0.31	0.395
A015463_01	At4g37980	cinnamyl-alcohol dehydrogenase ELI3-1; protein id: At4g37980.1	0.259	0.069	0.728	1.044
A015464_01	At4g37240	putative protein; protein id: At4g37240.1	0.987	1.115	0.907	0.559
A015465_01	At4g37260	myb DNA-binding protein (AtMYB73); protein id: At4g37260.1	-0.501	-0.506	0.012	-0.074
A015466_01	At4g39240	putative protein; protein id: At4g39240.1	0.22	-0.03	0.082	0.428
A015472_01	At4g36680	salt-inducible like protein; protein id: At4g36680.1	1.164	1.122	1.188	1.502
A015473_01	At4g38490	expressed protein; protein id: At4g38490.1	-0.114	0.226	0.202	-0.518
A015474_01	At4g26510	putative uracil phosphoribosyl transferase; protein id: At4g26510.1	0.514	0.346	NA	-0.175
A015475_01	At4g16630	DEAD/DEAH box RNA helicase, putative; protein id: At4g16630.1	1.037	0.657	NA	1.038
A015477_01	At4g33190	A.t. DNA chromosome 5, BAC clone T22D6 (ESSA)	0.078	-0.082	0.044	-0.223
A015481_01	At4g03020	putative WD-repeat protein; protein id: At4g03020.1	-0.308	-0.51	-0.365	-0.097
A015483_01	At4g03050	putative oxidoreductase; protein id: At4g03050.1	-1.667	-2.663	-1.12	-1.571
A015484_01	At4g09320	nucleoside-diphosphate kinase; protein id: At4g09320.1	0.518	0.416	0.959	1.341
A015487_01	At4g29880	putative protein; protein id: At4g29880.1	-0.577	-0.79	NA	NA
A015490_01	At4g21860	expressed protein; protein id: At4g21860.1	0.326	NA	0.172	-0.836
A015492_01	At4g36360	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At4g36360.1	1.443	1.423	1.216	1.255
A015493_01	At4g18820	putative protein; protein id: At4g18820.1	0.395	NA	NA	0.123
A015498_01	At5g10930	serine/threonine protein kinase - like protein; protein id: At5g10930.1	-2.777	-2.908	-1.227	-1.758
A015504_01	At5g11090	putative protein; protein id: At5g11090.1	-1.872	NA	-0.686	-1.653
A015505_01	At5g65640	bHLH protein; protein id: At5g65640.1	0.99	0.315	0.504	0.447
A015508_01	At5g62770	putative protein; protein id: At5g62770.1	-1.149	NA	NA	NA
A015510_01	At5g62750	putative protein; protein id: At5g62750.1	-0.605	-0.819	-1.255	-2.551
A015511_01	At5g09260	putative protein; protein id: At5g09260.1	0.222	-0.022	0.518	0.205
A015513_01	At5g55210	putative protein; protein id: At5g55210.1	-0.044	-0.014	0.046	0.047
A015519_01	At5g13010	pre-mRNA splicing factor ATP-dependent RNA helicase; protein id: At5g13010.1	-0.418	-0.484	NA	-0.827
A015522_01	At5g09390	putative protein; protein id: At5g09390.1	0.295	0.02	0.289	0.169
A015523_01	At5g13020	putative protein; protein id: At5g13020.1	-0.085	-0.266	-0.184	0.096
A015524_01	At5g08280	hydroxymethylbilane synthase; protein id: At5g08280.1	0.924	0.834	0.285	0.572
A015530_01	At5g13510	ribosomal protein L10-like; protein id: At5g13510.1	0.59	0.5	0.355	-0.058
A015534_01	At5g45250	disease resistance protein RPS4 (TIR-NBS-LRR class 4); protein id: At5g45250.1	-1.238	-1.061	NA	-0.912
A015536_01	At5g47320	40S ribosomal protein S19, mitochondrial precursor	0.651	0.422	0.403	0.593
A015539_01	At5g64370	beta-ureidopropionase; protein id: At5g64370.1	-0.952	-0.869	0.013	0.371
A015540_01	At5g53730	hairpin-induced protein, putative (HIN1); protein id: At5g53730.1	-3.516	-3.273	-1.968	-2.921
A015543_01	At5g13180	NAM-like protein; protein id: At5g13180.1	-2.048	-2.411	-1.148	-1.531
A015548_01	At5g04180	carbonate dehydratase - like protein; protein id: At5g04180.1	-0.163	-0.303	-1.469	-1.718
A015550_01	At5g62810	putative protein; protein id: At5g62810.1	-0.229	-0.706	-0.23	-0.671
A015558_01	At5g10650	Pspzf zinc finger protein - like; protein id: At5g10650.1	-2.609	NA	NA	-2.559
A015563_01	At5g10710	putative protein; protein id: At5g10710.1	0.062	NA	NA	0.009
A015571_01	At5g08320	putative protein; protein id: At5g08320.1	0.239	0.365	NA	NA
A015576_01	At5g07960	putative protein; protein id: At5g07960.1	0.323	0.336	0.615	-0.519
A015578_01	At5g60750	putative protein; protein id: At5g60750.1	-0.405	NA	NA	-0.251
A015579_01	At5g08420	rev interacting protein mis3 - like; protein id: At5g08420.1	0.458	0.091	0.18	0.349
A015585_01	At5g08040	putative protein; protein id: At5g08040.1	0.879	0.849	0.942	0.432
A015586_01	At5g40350	myb family transcription factor; protein id: At5g40350.1	0.873	1.048	0.957	0.479
A015587_01	At5g40340	PWWP domain protein; protein id: At5g40340.1	-0.087	-0.336	-0.116	-0.302
A015591_01	At5g15800	MADS-box protein AGL2; protein id: At5g15800.1	-1.188	-1.11	-0.216	-0.181
A015595_01	At5g40670	putative protein; protein id: At5g40670.1	-1.099	-1.564	-0.824	-1.173
A015599_01	At5g16290	acetolactate synthase-like protein; protein id: At5g16290.1	0.313	0.35	0.184	0.395
A015600_01	At5g22720	F-box protein; protein id: At5g22720.1	0.283	NA	NA	0.348
A015605_01	At5g22010	similar to replication factor C large subunit-like; protein id: At5g22010.1	0.567	0.303	NA	0.279
A015607_01	At5g22050	similar to putative protein kinase; protein id: At5g22050.1	0.052	-0.133	-0.043	0.042
A015608_01	At5g53820	ABA-inducible protein-like; protein id: At5g53820.1	-0.97	NA	-0.134	-0.916
A015613_01	At5g22640	unknown protein	0.526	0.5	0.278	0.189
A015616_01	At5g40530	putative protein; protein id: At5g40530.1	0.32	NA	NA	0.286
A015617_01	At5g40520	putative protein; protein id: At5g40520.1	-1.031	-0.984	NA	-0.302
A015619_01	At5g37290	putative protein; protein id: At5g37290.1	-0.073	-0.159	NA	0.337
A015625_01	At5g11350	putative protein; protein id: At5g11350.1	0.093	NA	NA	-0.006

A015629_01	At5g16370	AMP-binding protein; protein id: At5g16370.1	-1.953	-1.809	-1.324	-0.534
A015634_01	At5g40780	amino acid permease; protein id: At5g40780.1	-1.734	-2.13	-0.928	-1.553
A015635_01	At5g60730	ATPase - like protein; protein id: At5g60730.1	-0.49 NA	NA		-0.574
A015637_01	At5g61040	putative protein; protein id: At5g61040.1	-0.446 NA	NA		-0.532
A015638_01	At5g40510	sucrose cleavage protein; protein id: At5g40510	-0.371 NA	NA		-0.672
A015639_01	At5g25130	cytochrome p450 family; protein id: At5g25130.1	-1.451	-2.295	-1.69	-1.714
A015641_01	At5g63030	glutaredoxin-like protein; protein id: At5g63030.1	-1.322	-1.287	-0.594	-1.257
A015643_01	At5g24430	calcium dependent protein kinase-like protein; prote	-0.226 NA	NA		-0.438
A015645_01	At5g43810	PINHEAD (gb|AAD40098.1); translation initiation fac	0.653	0.324	0.412	0.541
A015646_01	At5g55000	FH protein interacting protein FIP2 (gb|AAF14550.1	-0.286	-0.006	-0.018	0.19
A015647_01	At5g10740	protein phosphatase 2C -like protein; protein id: At5	-0.814	-0.939 NA		-0.82
A015648_01	At5g64220	calmodulin-binding protein; protein id: At5g64220.1	-0.469 NA	NA		-0.325
A015649_01	At5g07360	putative amidase; protein id: At5g07360.1	-0.778	-0.679 NA		-1.244
A015650_01	At5g55500	expressed protein; protein id: At5g55500.1	0.109	-0.151	-0.035	-0.203
A015651_01	At5g64180	putative protein; protein id: At5g64180.1	-0.522	-0.421	-0.278	-0.476
A015653_01	At5g37360	putative protein; protein id: At5g37360.1	-0.77 NA		-0.27	-0.764
A015654_01	At5g10790	ubiquitin-specific protease 22 (UBP22); protein id: A	-0.014 NA	NA		-0.43
A015658_01	At5g03190	putative protein; protein id: At5g03190.1	-1.504	-1.759	-0.695	-0.974
A015659_01	At5g38150	putative protein; protein id: At5g38150.1	0.33 NA	NA		-0.17
A015660_01	At5g04830	expressed protein; protein id: At5g04830.1	-0.88	-0.942	-0.13	-0.58
A015662_01	At5g38140	putative protein; protein id: At5g38140.1	0.524	0.026	0.361	0.071
A015663_01	At5g62930	putative protein; protein id: At5g62930.1	0.615	0.59	0.434	0.362
A015665_01	At5g03320	putative protein; protein id: At5g03320.1	-0.9	-0.808 NA		-0.599
A015667_01	At5g37680	ADP-ribosylation factor - like protein; protein id: At5	0.124	0.097	0.349	0.149
A015668_01	At5g61720	putative protein; protein id: At5g61720.1	0.423	0.014	0.085	-0.183
A015673_01	At5g61760	putative protein; protein id: At5g61760.1	0.216	0.16	0.525	0.472
A015678_01	At5g10070	putative protein; protein id: At5g10070.1	0.158	-0.139	0.313	0.174
A015679_01	At5g39880	putative protein; protein id: At5g39880.1	-0.634	-0.952	-1.196	-1.183
A015692_01	At5g44300	auxin-repressed protein-like; protein id: At5g44300.	-0.495	-0.587 NA	NA	
A015697_01	At5g35080	putative protein; protein id: At5g35080.1	0.168	-0.035	0.142	0.418
A015703_01	At5g47010	prematurely terminated mRNA decay factor-like pro	0.267	-0.088 NA		0.07
A015705_01	At5g62050	OXA1 protein (OXA1p); protein id: At5g62050.1	-0.303	0.189	-0.115	0.501
A015707_01	At5g48590	putative protein; protein id: At5g48590.1	-0.685	-0.881	-0.716	-0.891
A015713_01	At5g04910	putative protein; protein id: At5g04910.1	-0.315 NA		0.129	-0.298
A015716_01	At5g35200	putative protein; protein id: At5g35200.1	-0.069	-0.976 NA		-0.633
A015723_01	At5g17290	AtAPG5; protein id: At5g17290.1	-0.929	-1.006	-0.725	-1.243
A015724_01	At5g42540	5-3 exoribonuclease 2; protein id: At5g42540.1	0.472	0.106	0.153	0.407
A015725_01	At5g62880	GTP binding protein Arac10; protein id: At5g62880.	0.064	-0.118	0.139	0.102
A015733_01	At5g15160	bHLH protein; protein id: At5g15160.1	-0.672 NA	NA	NA	
A015739_01	At5g12200	dihydropyrimidinase; protein id: At5g12200.1	-0.638	-0.615	-0.516	-0.193
A015744_01	At5g15330	ids-4 protein - like; protein id: At5g15330.1	NA	NA	-0.116	-0.346
A015747_01	At5g12260	unknown protein; protein id: At5g12260.1	-0.073 NA	NA		0.14
A015750_01	At5g15390	rRNA methylase - like protein; protein id: At5g15390	0.466	0.391	0.103	0.149
A015753_01	At5g63110	histone deacetylase; protein id: At5g63110.1	0.269	0.025	0.267	0.078
A015757_01	At5g43070	putative protein; protein id: At5g43070.1	-0.255	-0.025	0.091	-0.013
A015762_01	At5g13690	alpha-N-acetylglucosaminidase; protein id: At5g136	0.957	0.772	0.168	0.528
A015763_01	At5g63280	expressed protein; protein id: At5g63280.1	-0.06 NA	NA		-0.435
A015772_01	At5g10560	glycosyl hydrolase family 3; protein id: At5g10560.1	1.141	0.889	0.759	1.003
A015776_01	At5g41350	A.t. genomic DNA, chromosome 5, P1 clone:MNF1;	-0.889 NA	NA		-1.099
A015777_01	At5g56340	putative protein; protein id: At5g56340.1	0.037	-0.28	-0.066	-0.231
A015778_01	At5g10470	kinesin-related protein; protein id: At5g10470.1	-0.355	-0.665 NA		-0.219
A015779_01	At5g41600	unknown protein; protein id: At5g41600	0.475	0.482	0.585	0.716
A015780_01	At5g56420	F-box protein; protein id: At5g56420.1	0.191	-0.063	-0.076	0.022
A015790_01	At5g13970	putative protein; protein id: At5g13970.1	-0.138	-0.335	0.011	-0.098
A015793_01	At5g23420	expressed protein; protein id: At5g23420.1	1.586	1.304	1.462	1.698
A015794_01	At5g41685	expressed protein; protein id: At5g41685.1	0.051	-0.007	0.304	-0.175
A015797_01	At5g39410	expressed protein; protein id: At5g39410.1	0.734	0.58	0.575	0.525
A015800_01	At5g10730	putative protein; protein id: At5g10730.1	0.482	0.278 NA		0.553
A015805_01	At5g52820	Notchless protein homolog; protein id: At5g52820.1	-0.058	-0.084	0.175	0.425
A015822_01	At5g67320	G-protein beta family; protein id: At5g67320.1	0.179	0.132	-0.224	0.223
A015825_01	At5g52420	expressed protein; protein id: At5g52420.1	-0.082	0.024	0.297	0.012
A015827_01	At5g23890	unknown protein; protein id: At5g23890.1	0.836	0.539 NA		0.336
A015833_01	At5g62200	putative protein; protein id: At5g62200.1	-0.313	-0.19	-0.207	-0.723
A015835_01	At5g51190	putative protein; protein id: At5g51190.1	NA	NA	NA	NA
A015837_01	At5g62230	putative protein; protein id: At5g62230.1	1.121	0.999	0.971	1.3
A015840_01	At5g62290	putative protein; protein id: At5g62290.1	0.66	0.653	0.72	0.846
A015841_01	At5g20070	putative protein; protein id: At5g20070.1	0.477	0.477	0.687	0.761
A015843_01	At5g06220	putative protein; protein id: At5g06220.1	-0.117 NA		-0.794	-0.685

A015844_01	At5g53470	putative protein; protein id: At5g53470.1	0.262	NA		0.31		0.229
A015850_01	At5g06190	expressed protein; protein id: At5g06190.1	0.198		0.363		0.763	0.172
A015856_01	At5g62130	putative protein; protein id: At5g62130.1	-0.9	NA		NA		-0.105
A015860_01	At5g44630	terpene synthase/cyclase family; protein id: At5g44630.1	1.961		1.652		1.761	2.626
A015861_01	At5g44660	putative protein; protein id: At5g44660.1	0.044		0.417	NA		0.537
A015862_01	At5g06830	CDK5 activator-binding protein-like; protein id: At5g06830.1	0.306	NA		NA		-0.097
A015864_01	At5g66590	unknown protein; protein id: At5g66590	1.267		1.28		0.865	0.993
A015866_01	At5g22920	PGPD14 protein; protein id: At5g22920.1	-1.455		-1.506		-0.674	-0.648
A015870_01	At5g03470	putative protein; protein id: At5g03470.1	-0.424			-0.5	NA	-0.731
A015874_01	At5g03380	expressed protein; protein id: At5g03380.1		NA	NA			-0.583
A015876_01	At5g10270	cyclin-dependent kinase C;1; protein id: At5g10270.1	-0.349			-0.051		0.145
A015877_01	At5g55120	putative protein; protein id: At5g55120.1	0.569			0.531		0.548
A015878_01	At5g54390	putative protein; protein id: At5g54390.1	-0.452			-0.755		-0.57
A015879_01	At5g57340	expressed protein; protein id: At5g57340.1	-1.137	NA				-1.079
A015881_01	At5g36880	acetyl-CoA synthetase; protein id: At5g36880.1	0.432			0.159		0.101
A015882_01	At5g54440	unknown protein; protein id: At5g54440.1	0.459			0.43		0.458
A015883_01	At5g14120	nodulin-like protein; protein id: At5g14120.1	-1.222			-1.771		-1.319
A015892_01	At5g58070	outer membrane lipoprotein - like; protein id: At5g58070.1	-1.147			-1.031		-0.36
A015893_01	At5g14170	putative protein; protein id: At5g14170.1	0.188			0.161		0.023
A015895_01	At5g48580	FKBP-type peptidyl-prolyl cis-trans isomerase, putative	1.077			1.03		0.8
A015896_01	At5g35180	putative protein; protein id: At5g35180.1	0.359			0.242		0.31
A015900_01	At5g42090	putative protein; protein id: At5g42090.1	-0.704			-0.618		-0.174
A015904_01	At5g43750	expressed protein; protein id: At5g43750.1	0.122			0.366		0.037
A015905_01	At5g41750	disease resistance protein (TIR-NBS-LRR class), putative	-1.129	NA				-1.087
A015906_01	At5g08450	putative protein; protein id: At5g08450.1	0.001			-0.35	NA	
A015910_01	At5g62460	expressed protein; protein id: At5g62460.1	-0.824			-0.819		-0.101
A015913_01	At5g43900	myosin heavy chain MYA2 (pir|S51824); protein id: At5g43900.1	-0.332			-0.473		-0.126
A015916_01	At5g24500	unknown protein; protein id: At5g24500.1	0.099			0.039		0.354
A015922_01	At5g24570	expressed protein; protein id: At5g24570.1	-0.306			0.033		0.654
A015923_01	At5g24590	NAC2-like protein; protein id: At5g24590.2	-0.288			-0.309		-0.038
A015929_01	At5g26360	chaperonin gamma chain - like protein; protein id: At5g26360.1	0.261	NA				-0.408
A015930_01	At5g42320	unknown protein; protein id: At5g42320.1	0.418	NA		NA		0.409
A015936_01	At5g64190	putative protein; protein id: At5g64190.1		NA	NA	NA	NA	
A015938_01	At5g22500	male sterility 2-like protein (emb|CAA68191.1); protein id: At5g22500.1	0.093			-0.26	NA	
A015940_01	At5g60200	Dof zinc finger protein; protein id: At5g60200.1	0.864			0.852		1.309
A015941_01	At5g65280	G protein-coupled receptor-like protein; protein id: At5g65280.1	0.462			0.669		0.986
A015946_01	At5g01470	putative protein; protein id: At5g01470.1	0.135			0.29		0.61
A015948_01	At5g51750	subtilisin-like serine protease; protein id: At5g51750.1	1.72			1.21		1.486
A015954_01	At5g51770	putative protein; protein id: At5g51770.1	0.171			0.001		0.668
A015955_01	At5g16730	putative protein; protein id: At5g16730.1	-0.157			-0.24	NA	
A015956_01	At5g53850	putative protein; protein id: At5g53850.1	-0.262			-0.162		-0.182
A015958_01	At5g64510	putative protein; protein id: At5g64510.1	-0.626			-0.512		-0.05
A015959_01	At5g45170	putative protein; protein id: At5g45170.1	-0.161			-0.185		-0.201
A015962_01	At5g13650	GTP-binding protein tyxA (tyrosine phosphorylated); protein id: At5g13650.1	-0.574			-1.083		-1.35
A015963_01	At5g64530	putative protein; protein id: At5g64530.1	-0.967			-1.632		-1.053
A015967_01	At5g47530	putative protein; protein id: At5g47530.1	-3.615	NA		NA	NA	
A015968_01	At5g64610	histone acetyltransferase	0.13			-0.191		0.24
A015972_01	At5g05230	unknown protein; protein id: At5g05230.1	-0.955	NA				-0.262
A015973_01	At5g58430	leucine zipper-containing protein; protein id: At5g58430.1	-0.68			-1.011		-0.659
A015977_01	At5g62010	auxin response transcription factor; protein id: At5g62010.1	-0.148			-0.738		-0.666
A015979_01	At5g16540	zinc finger protein 3 (gb|AAD27875.1); protein id: At5g16540.1	-0.455			-0.276		-0.261
A015980_01	At5g05340	peroxidase, putative; protein id: At5g05340.1	-0.506			-0.33		-0.364
A015982_01	At5g10360	40S ribosomal protein S6; protein id: At5g10360.1	0.931			0.834		0.777
A015984_01	At5g40450	putative protein; protein id: At5g40450.1	-2.868			-3.322		-1.731
A015986_01	At5g51430	putative protein; protein id: At5g51430.1	0.151	NA		NA		-0.079
A015987_01	At5g44320	eukaryotic translation initiation factor 3 subunit 7; protein id: At5g44320.1	0.209			0.154		0.145
A015988_01	At5g12410	putative protein; protein id: At5g12410.1	0.533			0.327		0.43
A015990_01	xxxx	b/t DEAD-box protein abstract, putative; protein id: At5g12410.1	-0.628			-0.606	NA	
A015995_01	At5g61020	putative protein; protein id: At5g61020.1	0.152			0.651		0.708
A015996_01	At5g11700	putative protein; protein id: At5g11700.1	-0.812	NA				-0.54
A015997_01	At5g67260	cyclin D3;2; protein id: At5g67260.1	0.974			0.606		0.795
A015998_01	At5g35910	nucleolar protein-like; protein id: At5g35910.1	0.53			0.591		0.466
A016000_01	At5g45060	disease resistance protein (TIR-NBS-LRR class), putative	-0.483			-0.968		-0.702
A016011_01	At5g49840	ATP-dependent Clp protease ATP-binding subunit C; protein id: At5g49840.1	-0.271			-0.525		-0.551
A016012_01	At5g46290	3-oxoacyl-(acyl-carrier-protein) synthase I precursor; protein id: At5g46290.1	0.949			1.018		0.551
A016019_01	xxxx	A.t. genomic DNA, chromosome 5, P1 clone:MTG1; protein id: At5g46290.1	0.504			0.426		0.319
A016020_01	At5g58100	putative protein; protein id: At5g58100.1	0.013	NA		NA		-0.042
A016021_01	At5g49950	putative protein; protein id: At5g49950.1	-0.63			-0.597		-0.249

A016022_01	At5g40250	RING finger -like protein; protein id: At5g40250.1	-0.285	-0.311	-0.051	0.133
A016023_01	At5g64460	ZW10-like protein; protein id: At5g64460.1	0.335	0.141	0.167	0.108
A016028_01	At5g22290	(no apical meristem)-like protein; protein id: At5g22290.1	-1.215	-1.056 NA		0.419
A016029_01	At5g39830	DegP protease; protein id: At5g39830.1	0.478	0.395	-0.054	-0.134
A016033_01	At5g66240	WD repeat protein-like; protein id: At5g66240.1	-0.269 NA		-0.021	0.072
A016034_01	At5g50260	AtCEP1; cysteine proteinase; protein id: At5g50260 NA	NA		-2.009	-2.799
A016035_01	At5g48630	cyclin C-like protein; protein id: At5g48630.1	0.308	0.354	0.43	0.575
A016041_01	At5g55600	unknown protein; protein id: At5g55600.1	-0.215 NA	NA		-0.617
A016044_01	At5g22700	F-box protein; protein id: At5g22700.1	0.08 NA		0.146	0.993
A016046_01	At5g45680	FKBP-type peptidyl-prolyl cis-trans isomerase; prote	0.38	0.57	-0.092	0.004
A016047_01	At5g58250	similar to unknown protein (sp|P72777); protein id: /	0.991	0.96	0.475	0.258
A016048_01	At5g63490	putative protein; protein id: At5g63490.1	-1.154	-1.672	-1.252	-1.656
A016051_01	At5g55620	putative protein; protein id: At5g55620.1	-1.881 NA	NA	NA	
A016052_01	At5g25040	arginine/serine-rich splicing factor RSp41; protein id	-0.01	-0.041	0.212	0.097
A016055_01	At5g07430	pectinesterase family; protein id: At5g07430.1	-0.829	-0.417	-1.24	-1.541
A016059_01	At5g13640	putative protein; protein id: At5g13640.1	-0.213	-0.282	-0.42	-0.261
A016062_01	At5g16390	biotin carboxyl carrier protein 1 (BCCP1); protein id:	0.928	0.779	0.541	0.596
A016066_01	At5g37720	RNA and export factor binding protein, putative; pro	-0.048	0.304	0.397	0.601
A016068_01	At5g63460	unknown protein; protein id: At5g63460.1	0.14 NA		0.481	-0.372
A016069_01	At5g13780	putative protein; protein id: At5g13780.1	0.319	0.33	0.363	0.121
A016070_01	At5g45190	putative protein; protein id: At5g45190.1	0.049	-0.176	-0.456	-0.46
A016072_01	At5g05100	putative protein; protein id: At5g05100.1	-0.659 NA		-0.513	-0.772
A016073_01	At5g23290	c-myc binding protein MM-1-like protein; protein id: .	0.533	0.54	0.478	0.165
A016075_01	At5g60640	protein disulfide isomerase precursor - like; protein i	0.59	0.251	0.054	0.749
A016083_01	At5g22880	histone H2B like protein (emb|CAA69025.1); protein	1.283	1.31	1.352	2.034
A016095_01	At5g62190	DEAD/DEAH box RNA helicase PRH75; protein id:	0.199	0.239	0.179	0.767
A016099_01	At5g52440	HCF106 (gb|AAD32652.1); protein id: At5g52440.1	0.141	0.085	0.071	-0.062
A016101_01	At5g45410	putative protein; protein id: At5g45410.2	-0.556	-0.444	-0.359	-0.444
A016103_01	At5g62530	dehydrogenase; protein id: At5g62530.1	-0.519	-0.632	-1.032	-0.913
A016104_01	At5g23140	ATP-dependent Clp protease proteolytic subunit (Cl	0.386	0.387	0.1	-0.02
A016105_01	At5g01020	protein kinase -like protein; protein id: At5g01020.1	0.227	0.44	0.348	0.476
A016108_01	At5g66760	succinate dehydrogenase flavoprotein alpha subuni	0.431	0.076	-0.002	0.277
A016113_01	At5g60340	putative protein; protein id: At5g60340.1	-0.408	-0.087	0.294	0.911
A016117_01	At5g17170	expressed protein; protein id: At5g17170.1	0.111	-0.088	-0.368	-0.05
A016119_01	At5g60790	ABC transporter family protein; protein id: At5g6079	-0.338	-0.108	-0.385	-0.002
A016120_01	At5g10480	putative protein phosphatase; protein id: At5g10480	0.593 NA		0.802	1.172
A016123_01	At5g60840	putative protein; protein id: At5g60840.1	-0.168	0.097	-0.061	-0.169
A016125_01	At5g60860	GTP-binding protein, putative; protein id: At5g60860	-0.346	0.456	0.383	0.149
A016126_01	At5g49550	expressed protein; protein id: At5g49550.1	0.146	0.411	0.505	0.542
A016127_01	At5g23750	putative protein; protein id: At5g23750.1	-1.542 NA	NA	NA	
A016130_01	At5g14610	DRH1 DEAD box protein - like; protein id: At5g1461	0.718	0.454	0.539	0.205
A016131_01	At5g51940	putative DNA-directed RNA polymerase II subunit	0.19	0.214	0.522	0.07
A016134_01	At5g51960	unknown protein; protein id: At5g51960.1	0.519	0.512	0.385	0.421
A016139_01	At5g58720	putative PRL1 associated protein; protein id: At5g58	-0.304	-0.459	-0.44	-0.288
A016141_01	At5g41790	myosin heavy chain-like protein; protein id: At5g417	-0.96	-1.782	-1.128	-1.747
A016147_01	At5g37770	calmodulin-related protein 2, touch-induced (TCH2)	-0.093	-0.197	0.156	-0.27
A016148_01	At5g49360	xylosidase glycosyl hydrolase family 3; protein id: A	-3.518	-3.317	-2.147	-2.465
A016157_01	At5g58950	protein kinase 6 - like; protein id: At5g58950.1	-0.834	-0.78	-0.608	-0.585
A016163_01	At5g41010	putative protein; protein id: At5g41010.1	0.494	0.685	0.851	0.277
A016169_01	At5g12040	putative protein; protein id: At5g12040.1	0.135	0.084	0.018	0.039
A016172_01	At5g62165	MADS-box protein; protein id: At5g62165.1	-0.78	-0.879	-0.53	-0.687
A016173_01	At5g65040	putative protein; protein id: At5g65040.1	-0.82	-0.956 NA	NA	
A016174_01	At5g51140	putative protein; protein id: At5g51140.1	-0.264	-0.247	-0.14	0.008
A016175_01	At5g65010	asparagine synthetase (gb|AAC72837.1); protein id	1.687	1.336	0.993	1.781
A016177_01	At5g41070	putative protein; protein id: At5g41070.1	0.416	0.41	0.531	0.441
A016183_01	At5g47830	A.t. genomic DNA, chromosome 5, P1 clone:MQN2	0.333	0.393	-0.293	-0.437
A016186_01	At5g22090	unknown protein; protein id: At5g22090.1	-1.26	-1.461	-0.608	-1.106
A016187_01	At5g62300	ribosomal protein S20 - like; protein id: At5g62300.1	0.928	0.899	0.774	0.962
A016191_01	At5g23380	putative protein; protein id: At5g23380.1	-0.356	0.108	-0.121	-0.311
A016192_01	At5g13160	protein kinase-like; protein id: At5g13160.1	-0.519 NA	NA		-0.775
A016193_01	At5g01600	ferritin 1 precursor; protein id: At5g01600.1	-0.688	-0.697	0.298	0.506
A016195_01	At5g08190	DR1-like protein	-0.373	-0.522 NA		0.013
A016197_01	At5g44200	nuclear cap binding protein CBP20; protein id: At5g	0.447	0.41	0.516	0.574
A016198_01	At5g19780	tubulin alpha-5 chain; protein id: At5g19780.1	0.778	0.687	0.367	0.794
A016199_01	At5g64940	ABC transporter-like; protein id: At5g64940.1	0.198	-0.375	-0.636	-0.683
A016201_01	At5g42480	putative protein; protein id: At5g42480.1	0.852	0.688	0.325	0.927
A016202_01	At5g42520	putative protein; protein id: At5g42520.1	-0.023	-0.406	-0.111	-0.591
A016207_01	At5g13630	cobalamin biosynthesis protein; protein id: At5g1363	-0.057	-0.269	-0.377	0.447

A016209_01	At5g64260	phi-1-like protein; protein id: At5g64260.1	-0.807	-0.809	-0.416	-0.909
A016210_01	At5g14780	formate dehydrogenase; protein id:At5g14780.1	-1.227	-1.469	-0.572	-0.848
A016211_01	At5g05980	tetrahydrofolylpolyglutamate synthase-like protein; p	-0.581	-0.615	-0.283	0.125
A016215_01	At5g15320	putative protein; protein id: At5g15320.1	0.593	0.596	0.485	0.138
A016216_01	At5g39220	putative protein; protein id: At5g39220.1	-0.123 NA		-0.272	-0.692
A016221_01	At5g08590	serine/threonine-protein kinase; protein id: At5g0859	-0.416	-0.271	-0.238	0.423
A016222_01	At5g64850	A.t. genomic DNA, chromosome 5, P1 clone:MVA3	0.259	0.159	0.486	0.288
A016226_01	At5g01820	putative protein; protein id: At5g01820.1	-1.324	-1.346	-0.333	-0.555
A016227_01	At5g48540	33 kDa secretory protein-like; protein id: At5g48540	-0.887	-0.757	-0.441	-0.721
A016229_01	At5g67030	zeaxanthin epoxidase precursor (LOS6/ABA1)(ZEP	-1.468	-1.759	-1.521	-1.479
A016232_01	At5g42570	expressed protein; protein id: At5g42570.1	0.318	0.443	0.333	0.035
A016233_01	At5g37130	putative protein; protein id: At5g37130.1	-0.015	-0.562	-0.242	0.548
A016234_01	At5g08770	unknown protein; protein id: At5g08770.1	-0.872	-0.428 NA		-0.295
A016238_01	At5g54160	O-methyltransferase 1; protein id: At5g54160.1	-2.125	-1.987	-0.628	-0.445
A016240_01	At5g38850	disease resistance protein (TIR-NBS-LRR class), pi NA		NA	NA	NA
A016244_01	At5g16120	lipase-like protein; protein id: At5g16120.1	-1.289	-1.167	-0.856	-0.996
A016247_01	At5g54110	membrane associated protein; protein id: At5g54110	-0.744	-0.868	-0.598	-0.817
A016250_01	At5g47080	casein kinase II beta chain; protein id: At5g47080.1	-0.582	-0.256 NA		0.276
A016255_01	At5g54130	putative protein; protein id: At5g54130.1	-0.948	-1.275	-0.733	-0.914
A016260_01	At5g37370	putative protein; protein id: At5g37370.1	-0.36	-0.375	0.101	-0.081
A016266_01	At5g47050	putative protein; protein id: At5g47050.1	-1.807 NA		-0.681	-1.101
A016267_01	At5g63990	3(2),5-bisphosphate nucleotidase; protein id: At5g63	-0.159	0.058	-0.01	-0.105
A016269_01	At5g64020	putative protein; protein id: At5g64020.1	-0.301	-0.08 NA		NA
A016271_01	At5g58200	putative phosphoesterase	-0.832	-1.022	-0.232	-0.471
A016272_01	At5g54090	DNA mismatch repair protein MutS2-like; protein id:	-0.543 NA		NA	-0.436
A016274_01	At5g58220	similar to unknown protein (pir|T34863); protein id:	0.039 NA		-0.092	-0.082
A016275_01	At5g22000	expressed protein; protein id: At5g22000.1	-0.909	-0.848	-0.719	-0.417
A016278_01	At5g61590	ethylene responsive element binding factor - like; pr	-1.134	-1.288	-1.635	-1.936
A016281_01	At5g58260	similar to unknown protein (pir|S75584); protein id:	-0.831	-0.422	-0.506	-0.911
A016282_01	At5g58320	putative protein; protein id: At5g47050.1	-0.85	-1.23 NA		NA
A016283_01	At5g58370	contains similarity to GTP-binding protein CGPA; pr	0.602	0.654	0.357	0.673
A016285_01	At5g48230	acetyl-CoA C-acetyltransferase; protein id: At5g482	0.481	0.373	0.621	0.78
A016286_01	At5g58380	serine/threonine protein kinase; protein id: At5g5838	0.028	-0.433 NA		-0.123
A016291_01	At5g57270	putative protein; protein id: At5g57270.1	0.306	0.265	0.179	0.452
A016297_01	xxxx	b/t unknown protein; protein id: At5g56520.1 and put	-0.166	0.006	-0.203	0.038
A016301_01	At5g27470	seryl-tRNA synthetase; protein id: At5g27470.1	0.301	0.297	0.18	0.639
A016303_01	At5g29771	ribosomal protein S1; protein id: At5g29771.1	0.951	0.6	0.245	0.74
A016306_01	At5g38290	CRS2 -like protein; protein id: At5g38290.1	0.245	0.204	0.033	0.127
A016309_01	At5g67130	putative protein; protein id: At5g67130.1	0.503	0.477	0.423	0.484
A016312_01	At5g43100	putative protein; protein id: At5g43100.1	-0.193	-0.336	-0.362	-0.479
A016314_01	At5g42070	putative protein; protein id: At5g42070.1	0.048	0.126	0.113	-0.762
A016316_01	At5g67240	exonuclease, putative; protein id: At5g67240.1	0.473	0.453	0.333	0.526
A016317_01	At5g41970	GAMM1 protein-like; protein id: At5g41970.1	0.426	0.524	0.331	0.18
A016319_01	At5g44610	expressed protein	-1.75	-1.863	-0.566	-1.852
A016320_01	At5g41960	unknown protein; protein id: At5g41960.1	-0.046	-0.101	-0.077	0.182
A016321_01	At5g44790	ATP dependent copper transporter; protein id: At5g	-0.831	-1.007	-0.947	-1.678
A016322_01	At5g41910	putative protein; protein id: At5g41910.1	-0.22	-0.069	0.223	0.253
A016323_01	At5g15850	zinc finger protein CONSTANS-LIKE 1 (COL1); prot	-1.839	-1.915	-0.699	-1.349
A016324_01	At5g39610	NAM / CUC2 - like protein; protein id: At5g39610.1	-2.702	-2.462	-0.538	-1.06
A016325_01	At5g58110	putative protein; protein id: At5g58110.1	-0.054	-0.216	-0.007	-0.454
A016327_01	At5g42000	putative protein; protein id: At5g42000.1	-0.007	0.033	0.291	-0.413
A016330_01	At5g44240	ATPase, calcium-transporting; protein id: At5g44240	-0.276	-0.259	0.102	-0.531
A016331_01	At5g62610	putative protein; protein id: At5g62610.1	-0.004	0.059	0.336	0.451
A016332_01	At5g62640	putative protein; protein id: At5g62640.1	-0.177	0.313 NA		0.44
A016333_01	At5g44550	putative protein; protein id: At5g44550.1	-0.433	-0.366 NA		NA
A016335_01	At5g62670	plasma membrane proton ATPase-like; protein id: A	0.442	0.488	0.76	0.883
A016337_01	At5g59320	nonspecific lipid-transfer protein precursor - like; prc	-0.215	-0.33	0.282	0.719
A016340_01	At5g06910	DnaJ homologue (gb|AAB91418.1|); protein id: At5g	0.194	0.203 NA		0.222
A016344_01	At5g11200	DEAD BOX RNA helicase RH15	0.437	0.41	0.639	1.064
A016347_01	At5g17710	chloroplast GrpE protein; protein id: At5g17710.1	0.462 NA		-0.29	-0.288
A016351_01	At5g47180	VAMP (vesicle-associated membrane protein)-asso	-0.624	-0.704	-0.036	-0.612
A016354_01	At5g49610	putative protein; protein id: At5g49610.1	0.06	-0.057 NA		0.015
A016359_01	At5g09440	putative protein; protein id: At5g09440.1	-2.076	-2.182	-0.597	-1.015
A016360_01	At5g51510	expressed protein; protein id: At5g51510.1	0.186	0.35	0.3	0.113
A016362_01	At5g01720	F-box protein family, AtFBL3; protein id: At5g01720	-0.189	0.148	0.083	-0.264
A016363_01	At5g43960	NTF2-containing RNA-binding protein, putative; prot	0.548	0.351	0.281	0.643
A016364_01	At5g48180	unknown protein	-2.309	-2.799	-0.886	-1.657
A016367_01	At5g54770	thiazole biosynthetic enzyme precursor (ARA6) (sp	0.165	-0.067	-0.164	0.019

A016368_01	At5g54960	putative pyruvate decarboxylase	-0.993	NA	-1.58	-2.191
A016369_01	At5g49450	bZIP family transcription factor; protein id: At5g49450.1	-1.884		-2.007	-1.898
A016370_01	At5g22800	similar to alanine--tRNA ligase; putative; protein id: At5g22800.1	-0.296		-0.505	-0.215
A016372_01	At5g57110	calcium-transporting ATPase; protein id: At5g57110.1	0.438		0.668	0.784
A016373_01	At5g60540	imidazoleglycerol-phosphate synthase subunit H - like protein; protein id: At5g60540.1	-0.427	NA		-0.592
A016374_01	At5g60550	serine/threonine-protein kinase - like protein; protein id: At5g60550.1	0.058		0.23	0.16
A016376_01	At5g56360	calmodulin-binding protein; protein id: At5g56360.2	1.238		0.925	0.887
A016378_01	At5g56210	unknown protein; protein id: At5g56210.1	-0.431		-0.573	NA
A016380_01	At5g57170	Macrophage migration inhibitory factor (MIF) family; protein id: At5g57170.1	-0.134		0.022	NA
A016382_01	At5g57180	putative protein; protein id: At5g57180.1	-0.18	NA		-0.203
A016383_01	At5g65760	lysosomal Pro-X carboxypeptidase; protein id: At5g65760.1	0.39		0.031	0.067
A016384_01	At5g15610	putative protein; protein id: At5g15610.1	0.346		0.386	0.311
A016385_01	At5g51170	expressed protein; protein id: At5g51170.1	-0.513	NA		-0.091
A016390_01	At5g16620	translocon Tic40-like protein; protein id: At5g16620.1	0.329		0.438	-0.039
A016393_01	At5g59310	nonspecific lipid-transfer protein precursor - like; protein id: At5g59310.1	-1.868		-1.856	-0.973
A016394_01	At5g58020	putative protein; protein id: At5g58020.1	-0.391		-0.399	-0.109
A016399_01	At5g04740	putative protein; protein id: At5g04740.1	0.47		0.039	0.154
A016402_01	At5g10180	sulfate transporter; protein id: At5g10180.1	-3.59		-3.533	-3.527
A016407_01	At5g47070	protein serine threonine kinase-like; protein id: At5g47070.1	-1.034	NA		-0.631
A016408_01	At5g47090	expressed protein; protein id: At5g47090.1	0.012	NA		-0.227
A016411_01	At5g03180	putative protein; protein id: At5g03180.1	-1.91		-1.721	-1.195
A016412_01	At5g47110	Lil3 protein; protein id: At5g47110.1	-0.296		-0.244	-0.185
A016416_01	At5g05410	putative DREB2A protein	NA	NA	NA	NA
A016417_01	At5g17380	2-hydroxyphytanoyl-CoA lyase-like protein; protein id: At5g17380.1	-0.945		-1.071	-0.352
A016419_01	At5g46110	putative phosphate/triose-phosphate translocator; protein id: At5g46110.1	-0.041	NA		-0.707
A016420_01	At5g02160	putative protein	-0.266		-0.111	-0.865
A016421_01	At5g37510	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) 76	0.284	NA		0.17
A016422_01	At5g03290	putative protein; protein id: At5g03290.1	-0.637	NA		-0.118
A016423_01	At5g46770	expressed protein; protein id: At5g46770.1	-0.702		-0.376	-0.974
A016425_01	At5g58520	protein kinase - like; protein id: At5g58520.1	-0.284		-0.438	-0.896
A016426_01	At5g13440	ubiquinol--cytochrome-c reductase - like protein; protein id: At5g13440.1	-0.425		-0.48	-0.283
A016431_01	At5g23550	putative protein; protein id: At5g23550.1	0.26		-0.169	0.115
A016432_01	At5g23590	putative protein; protein id: At5g23590.1	0.081		-0.128	-0.287
A016442_01	At5g52310	low-temperature-induced protein 78 (sp|Q06738); protein id: At5g52310.1	-1.086		-0.336	NA
A016443_01	At5g38470	DNA repair protein RAD23 homolog; protein id: At5g38470.1	-0.179		-0.173	0.043
A016444_01	At5g64730	G-protein beta-subunit (transducin) family; protein id: At5g64730.1	NA	NA		-0.089
A016446_01	At5g45890	senescence-specific cysteine protease SAG12; protein id: At5g45890.1	-4.781	NA		-2.247
A016447_01	At5g52540	putative protein; protein id: At5g52540.1	1.209	NA		0.657
A016449_01	At5g23520	unknown protein; protein id: At5g23520.1	-0.406	NA		-0.626
A016453_01	At5g47210	putative protein; protein id: At5g47210.1	0.711		0.491	0.69
A016456_01	At5g48830	expressed protein; protein id: At5g48830.1	0.672	NA	NA	0.285
A016458_01	At5g04470	putative protein; protein id: At5g04470.1	-0.703		-0.31	0.219
A016459_01	At5g53620	expressed protein; protein id: At5g53620.1	0.489		0.227	0.037
A016460_01	At5g65540	unknown protein; protein id: At5g65540.1	0.056		-0.238	NA
A016462_01	At5g17420	cellulose synthase catalytic subunit (IRX3); protein id: At5g17420.1	NA	NA		-1.114
A016463_01	At5g49480	NaCl-inducible Ca2+-binding protein-like; protein id: At5g49480.1	-1.529		-1.205	-0.501
A016465_01	At5g53530	vacuolar sorting protein-like; embryogenesis protein	-0.136		-0.573	-0.32
A016466_01	At5g01090	lectin - like protein; protein id: At5g01090.1	0.866		0.775	0.875
A016472_01	At5g46260	disease resistance protein (TIR-NBS-LRR class), protein id: At5g46260.1	-1.777	NA	NA	NA
A016473_01	At5g01200	myb family transcription factor; protein id: At5g01200.1	-1.858		-1.411	-0.369
A016476_01	At5g60020	laccase (diphenol oxidase), putative; protein id: At5g60020.1	-0.199		-0.545	NA
A016478_01	At5g42820	splicing factor U2AF small subunit, putative; protein id: At5g42820.1	0.473		0.192	0.055
A016483_01	At5g59950	RNA and export factor binding protein, putative; protein id: At5g59950.1	-0.302	NA		0.195
A016484_01	At5g16060	hypothetical protein; protein id: At5g16060.1	1.016		0.983	0.877
A016494_01	At5g59790	putative protein; protein id: At5g59790.1	-0.327		-0.482	NA
A016502_01	At5g57900	SKP1 interacting partner 1 (SKIP1); protein id: At5g57900.1	-1.154		-0.858	-0.258
A016509_01	At5g16940	putative protein; protein id: At5g16940.1	0.039		-0.157	NA
A016510_01	At5g56850	putative protein; protein id: At5g56850.1	0.324		0.004	-0.311
A016511_01	At5g17010	sugar transporter - like protein; protein id: At5g17010.1	0.197		0.456	0.17
A016514_01	At5g17070	putative protein; protein id: At5g17070.1	0.324	NA		0.387
A016516_01	At5g47690	putative protein; protein id: At5g47690.1	-0.008		-0.536	-0.577
A016520_01	At5g14730	putative protein; protein id: At5g14730.1	NA	NA	NA	NA
A016536_01	At5g47060	putative protein; protein id: At5g47060.1	0.124	NA		0.067
A016553_01	At5g15440	putative protein; protein id: At5g15440.1	-0.301		-0.132	-0.157
A016565_01	At5g67590	putative protein; protein id: At5g67590.1	0.567		0.467	0.557
A016567_01	At5g39790	putative protein; protein id: At5g39790.1	1.071		0.813	0.138
A016575_01	At5g67520	adenylylsulfate kinase-like protein; protein id: At5g67520.1	NA	NA	NA	NA
A016578_01	At5g23860	expressed protein; protein id: At5g23860.1	-0.519		-0.631	NA
						0.249

A016580_01	At5g53330	proline-rich cell wall protein-like; protein id: At5g533	-0.796	-0.656	-0.246	-0.305
A016585_01	At5g03940	signal recognition particle 54CP protein precursor; p	0.657	0.347	-0.296	-0.093
A016586_01	At5g06370	putative protein; protein id: At5g06370.1	NA	NA	-0.572	-1.404
A016588_01	At5g01360	putative protein; protein id: At5g01360.1	-2.55	-2.707	NA	NA
A016591_01	At5g01390	heat shock protein 40-like; protein id: At5g01390.1	-0.064	-0.155	NA	0.172
A016592_01	At5g01400	putative protein; protein id: At5g01400.1	0.037	-0.178	NA	NA
A016597_01	At5g01800	putative protein; protein id: At5g01800.1	-1.063	-1.137	-0.213	-0.505
A016605_01	At5g03660	putative protein; protein id: At5g03660.1	0.276	-0.256	-0.067	-0.516
A016612_01	At5g01990	putative protein; protein id: At5g01990.1	-0.64	-0.323	-0.47	-1.434
A016615_01	At5g02090	putative protein; protein id: At5g02090.1	-3.28	NA	NA	NA
A016618_01	At5g03330	putative protein; protein id: At5g03330.1	-0.899	-1.663	-1.429	-1.337
A016623_01	At5g36210	acyl-peptide hydrolase-like; protein id: At5g36210.1	0.539	0.442	0.135	0.699
A016625_01	At5g56940	30S ribosomal protein S16; protein id: At5g56940.1	0.829	0.803	0.856	0.577
A016628_01	At5g54840	SGP1 monomeric G-protein (emb|CAB54517.1); pr	-2.134	NA	NA	NA
A016631_01	At5g55940	expressed protein; protein id: At5g55940.1	0.34	0.59	0.517	0.389
A016633_01	At5g55900	sucrose cleavage protein-like; protein id: At5g55900	0.107	NA	0.141	0.133
A016638_01	At5g03880	auxin-regulated protein; protein id: At5g03880.1	-0.361	-0.504	-0.676	-0.485
A016644_01	At5g18240	transfactor-like protein; protein id: At5g18240.1	-0.995	NA	NA	-1.074
A016645_01	At5g03990	putative protein; protein id: At5g03990.1	-0.564	NA	NA	NA
A016649_01	At5g04090	putative protein; protein id: At5g04090.1	-0.12	-0.446	-0.151	0.001
A016650_01	At5g02280	putative protein; protein id: At5g02280.1	0.434	0.758	0.48	0.408
A016651_01	At5g02310	eceriferum3 (CER3); protein id: At5g02310.1	-0.185	-0.644	-0.17	-0.532
A016652_01	At5g18130	putative protein; protein id: At5g18130.1	-2.769	-2.957	-1.129	-2.563
A016656_01	At5g04440	putative protein; protein id: At5g04440.1	-0.705	-0.548	-0.232	-0.454
A016658_01	At5g04490	putative protein; protein id: At5g04490.1	NA	NA	-0.177	-1.367
A016661_01	At5g04550	putative protein; protein id: At5g04550.1	-0.629	NA	-0.648	-0.409
A016662_01	At5g45760	G-protein beta family; protein id: At5g45760.1	0.565	NA	0.361	0.479
A016664_01	At5g04580	putative protein; protein id: At5g04580.1	0.541	0.406	0.178	0.201
A016665_01	At5g04600	RRM-containing protein; protein id: At5g04600.1	0.353	NA	0.546	0.11
A016673_01	At5g54630	putative protein; protein id: At5g54630.1	0.331	0.289	0.577	0.412
A016676_01	At5g02540	putative protein; protein id: At5g02540.1	1.533	1.241	1.255	1.574
A016682_01	At5g54660	expressed protein; protein id: At5g54660.1	-2.083	-2.075	-0.561	-1.718
A016696_01	At5g02800	protein kinase - like; protein id: At5g02800.1	-0.37	-0.691	NA	-0.506
A016697_01	At5g02830	putative protein; protein id: At5g02830.1	-0.049	-0.281	NA	0.113
A016703_01	At5g02970	putative protein; protein id: At5g02970.1	-1.567	-1.284	-0.885	-0.888
A016705_01	At5g03050	putative protein; protein id: At5g03050.1	0.011	0.371	NA	-0.06
A016715_01	At5g09830	expressed protein; protein id: At5g09830.1	-0.445	-0.163	-0.022	-0.672
A016721_01	At5g07250	membrane protein; protein id: At5g07250.1	0.41	0.701	0.547	0.972
A016723_01	At5g14520	pescadillo - like protein; protein id: At5g14520.1	0.795	NA	0.408	0.694
A016728_01	At5g14640	protein kinase MSK-3-like	-0.136	-0.382	0.424	0.6
A016731_01	At5g35690	putative protein; protein id: At5g35690.1	-0.812	-1.036	-0.613	-0.647
A016735_01	At5g11970	putative protein; protein id: At5g11970.1	-0.655	-0.849	-0.111	-1.19
A016736_01	At5g12080	putative protein; protein id: At5g12080.1	1.146	1.068	0.988	1.482
A016738_01	At5g11650	lysophospholipase - like protein; protein id: At5g116	-1.178	-1.052	NA	-1.18
A016740_01	At5g57580	calmodulin-binding protein; protein id: At5g57580.1	-0.329	-0.5	-0.31	-0.62
A016742_01	At5g57460	unknown protein; protein id: At5g57460.1	0.311	0.452	0.294	0.583
A016750_01	At5g11450	oxygen-evolving complex related protein; protein id:	0.755	0.643	-0.056	0.19
A016751_01	At5g11480	putative GTP-binding protein	0.696	0.635	0.274	0.562
A016752_01	At5g11490	beta-adaptin-like protein A; protein id: At5g11490.1	0.174	-0.061	-0.008	-0.121
A016754_01	At5g11550	putative protein; protein id: At5g11550.1	1.486	1.55	1.318	1.49
A016756_01	At5g50960	nucleotide-binding protein; protein id: At5g50960.1	-0.331	-0.215	0.046	-0.207
A016761_01	At5g14410	putative protein; protein id: At5g14410.1	-0.269	0.052	0.273	-0.449
A016762_01	At5g61340	putative protein; protein id: At5g61340.1	-1.672	-1.846	-0.952	-2.135
A016767_01	At5g38380	unknown protein; protein id: At5g38380.1	-0.076	0.409	0.283	0.942
A016786_01	At5g13500	putative protein; protein id: At5g13500.1	-0.194	NA	NA	-0.822
A016794_01	At5g04260	thioredoxin - like protein; protein id: At5g04260.1	-0.372	NA	0.061	-0.715
A016797_01	At5g08290	putative protein; protein id: At5g08290.1	-0.503	-0.634	-0.054	-0.233
A016803_01	At5g64340	unknown protein; protein id: At5g64340.1	0.123	-0.054	NA	NA
A016804_01	At5g19280	kinase associated protein phosphatase; protein id: /	-0.16	-0.199	-0.325	-0.748
A016809_01	At5g61150	putative protein; protein id: At5g61150.1	0.25	-0.213	NA	0.025
A016812_01	At5g08660	hypothetical protein; protein id: At5g08660.1	-0.777	-0.896	-0.415	-0.697
A016813_01	At5g61140	RNA helicase - like protein; protein id: At5g61140.1	-0.223	NA	-0.29	-0.35
A016817_01	At5g60680	putative protein; protein id: At5g60680.1	-1.21	-1.314	-0.286	-1.715
A016820_01	At5g63530	copper chaperone (CCH)-related; protein id: At5g63	0.24	-0.263	0.008	-0.129
A016827_01	At5g16480	putative protein; protein id: At5g16480.1	0.071	NA	0.219	0.233
A016830_01	At5g49890	CLC-c chloride channel protein; protein id: At5g498	-0.728	-0.825	-1.018	-1.185
A016832_01	At5g10050	putative protein; protein id: At5g10050.1	0.037	0.286	0.005	0.277
A016836_01	At5g49630	amino acid permease 6 (emb CAA65051.1); protein	-1.83	-1.645	-0.662	-1.494

A016838_01	At5g05060	putative protein; protein id: At5g05060.1	0.194	0.027	-0.101	0.1
A016839_01	At5g57520	CCHH finger protein 2-like protein (pir||S55882); prc	-1.707 NA		-1.089	-2.834
A016845_01	At5g35170	adenylate kinase -like protein; protein id: At5g35170	-0.352 NA		-1.565	-1.223
A016847_01	At5g34940	putative protein; protein id: At5g34940.1	-0.668	-1.244 NA		0.003
A016851_01	At5g04900	putative protein; protein id: At5g04900.1	-0.355 NA	NA		-0.444
A016853_01	At5g12140	cystatin (emb|CAA03929.1); protein id: At5g12140.1	0.381	0.224	0.425	-0.001
A016860_01	At5g09760	pectin methylesterase - like protein; protein id: At5g	1.007	0.905	0.967	1.306
A016868_01	At5g10490	putative protein; protein id: At5g10490.1	-0.188 NA		-0.449	-0.484
A016869_01	At5g10350	polyadenylate-binding protein II (PAB2), putative; pr	0.368	0.444	0.576	0.576
A016873_01	At5g24400	6-phosphogluconolactonase-like protein; protein id:	0.509	0.441	0.537	0.618
A016875_01	At5g13950	unknown protein; protein id: At5g13950.1	-0.178	-0.477	-0.469	-0.605
A016880_01	At5g19820	putative protein; protein id: At5g19820.1	-0.498	-1.001	-0.112	-0.46
A016883_01	At5g12980	putative protein; protein id: At5g12980.1	0.526	0.473	0.456	0.551
A016884_01	At5g64440	putative protein; protein id: At5g64440.1	0.281	0.096	0.298	0.552
A016886_01	At5g24490	putative protein; protein id: At5g24490.1	0.118	0.063 NA	NA	
A016888_01	At5g04170	EF - hand Calcium binding protein - like; protein id:	-0.7 NA	NA		-0.393
A016894_01	At5g04920	unknown protein; protein id: At5g04920.1	-0.152 NA	NA		-0.384
A016897_01	At5g66250	putative protein; protein id: At5g66250.1	-0.742	-0.732	-0.358	-0.125
A016898_01	At5g59430	telomere repeat-binding protein; protein id: At5g594	-1.376	-1.432	-0.923	-1.198
A016900_01	At5g53340	Avr9 elicitor response protein-like; protein id: At5g5:	0.4	0.519	0.39	0.656
A016901_01	At5g06160	splicing factor 3a; protein id: At5g06160.1	0.342	0.247	0.402	0.595
A016902_01	At5g54800	glucose-6-phosphate/phosphate translocator; protei	-0.011	0.375	0.375	0.525
A016904_01	At5g11840	putative protein; protein id: At5g11840.1	-1.736	-1.699	-1.088	-1.717
A016905_01	At5g44785	expressed protein; protein id: At5g44785.1	0.914	0.725	0.507	0.792
A016907_01	At5g23580	calcium-dependent protein kinase (pir||S71196); prc	1.068	1.003	0.92	1.591
A016909_01	At5g03220	putative protein; protein id: At5g03220.1	-0.212	-0.011	0.241	-0.112
A016913_01	At5g49720	cellulase homolog OR16pep precursor (pir||S71215	-0.567	-0.677	-0.364	-0.729
A016914_01	At5g02240	putative protein; protein id: At5g02240.1	1.406	0.981	0.854	1.089
A016915_01	At5g22210	unknown protein; protein id: At5g22210.1	-0.227	-0.132	0.072	-0.38
A016922_01	At5g59850	cytoplasmic ribosomal protein S15a - like; protein id	1.051	1.069	1.053	1.435
A016923_01	At5g14040	mitochondrial phosphate translocator; protein id: At	0.465	0.435	0.229	0.443
A016924_01	At5g42200	putative protein; protein id: At5g42200.1	-1.6	-1.283	-0.64	-1.424
A016925_01	At5g65480	putative protein; protein id: At5g65480.1	-0.504	-0.643	-0.311	-0.485
A016926_01	At5g42890	putative protein; protein id: At5g42890.1	0.17	0.175	0.127	-0.094
A016929_01	At5g42920	putative protein; protein id: At5g42920.1	0.778	0.723	0.775	1.143
A016930_01	At5g60600	putative protein; protein id: At5g60600.1	-0.403	-0.74	-0.975	-0.999
A016931_01	At5g15020	transcriptional regulatory - like protein; protein id: At	-0.831	-0.583 NA	NA	
A016933_01	At5g49970	putative protein; protein id: At5g49970.1	-0.04	0.027	-0.102	0.203
A016936_01	At5g64040	photosystem I reaction center subunit PSI-N precur:	0.021	-0.125	-0.606	-1.032
A016937_01	At5g64570	glycosyl hydrolase family 3; protein id: At5g64570.1	-0.447	-0.639	-0.387	-0.554
A016941_01	At5g43010	26S proteasome AAA-ATPase subunit RPT4a; protei	0.515	0.52	0.474	0.662
A016943_01	At5g02290	serine/threonine-specific protein kinase NAK; protei	-0.916	-0.967	-0.618	-0.716
A016946_01	At5g11520	aspartate aminotransferase (Asp3); protein id: At5g	-1.002	-0.873	-0.311	-0.445
A016947_01	At5g65950	unknown protein; protein id: At5g65950.1	0.097	0.145	0.293	0.332
A016949_01	At5g17300	expressed protein; protein id: At5g17300.1	-0.943	-1.029	-0.224	-0.049
A016950_01	At5g61790	calnexin - like protein; protein id: At5g61790.1	0.861	0.457	0.575	0.738
A016951_01	At5g49660	receptor protein kinase; protein id: At5g49660.1	-1.638	-1.839 NA		-0.497
A016952_01	At5g52530	putative protein; protein id: At5g52530.1	-0.243	-0.397 NA		-0.816
A016954_01	At5g22320	expressed protein; protein id: At5g22320.1	0.502 NA	NA		0.8
A016955_01	At5g38895	expressed protein; protein id: At5g38895.1	-1.519 NA	NA		-0.902
A016956_01	At5g45160	GTP-binding protein-like; root hair defective 3 protei	-0.577	-1.203 NA		-1.19
A016959_01	At5g60710	putative protein; protein id: At5g60710.1	-0.172 NA		-0.235	-0.337
A016960_01	At5g02880	putative protein; protein id: At5g02880.1	-0.854 NA	NA		-1.478
A016966_01	At5g63510	putative protein; protein id: At5g63510.1	0.804	0.571	0.539	0.447
A016967_01	At5g55570	unknown protein; protein id: At5g55570.1	NA	NA	-0.282	-0.997
A016969_01	At5g62570	calmodulin-binding protein; protein id: At5g62570.1	-1.284	-1.931	-0.821	-0.765
A016971_01	At5g39520	expressed protein; protein id: At5g39520.1	NA	NA	NA	NA
A016976_01	At5g65470	putative protein; protein id: At5g65470.1	0.424 NA		0.132	0.246
A016977_01	At5g50790	MtN3-like protein; protein id: At5g50790.1	0.836	0.642	0.915	0.636
A016978_01	At5g43560	unknown protein; protein id: At5g43560.1	-0.279	-0.605 NA		-0.462
A016979_01	At5g23250	succinyl-CoA synthetase, alpha subunit; protein id: .	1.039	1.171	0.89	1.079
A016980_01	At5g55700	glycosyl hydrolase family 14 (beta-amylase); proteir	-0.301	-0.567	-1.032	-1.399
A016984_01	At5g57990	ubiquitin-specific protease 23 (UBP23), putative; prc	0.316	0.184	0.212	0.136
A016987_01	At5g47840	putative protein; protein id: At5g47840.1	0.275	0.114	-0.371	-0.262
A016991_01	At5g26780	glycine hydroxymethyltransferase - like protein; prot	0.525	0.48	0.362	0.951
A016997_01	At5g23110	putative protein; protein id: At5g23110.1	-0.449	-0.661 NA		0.164
A017000_01	At5g66930	putative protein; protein id: At5g66930.1	-0.966	-1.005 NA		-0.962
A017002_01	At5g04410	putative protein; protein id: At5g04410.1	-0.357	-0.659	-0.156	-0.037

A017003_01	At5g05200	unknown protein	-1.037	-0.88	-1.458	-1.018
A017004_01	At5g37380	putative protein; protein id: At5g37380.1	-0.098	-0.279	-0.58	-0.345
A017008_01	xxxx	b/t root cap 1 (RCP1); protein id: At5g17520.1 and p	0.356 NA		0.061	-0.21
A017010_01	At5g02960	putative protein; protein id: At5g02960.1	0.726	0.588	0.515	0.929
A017012_01	At5g61230	putative protein; protein id: At5g61230.1	-0.297	-0.431	-0.009	-0.63
A017013_01	At5g55530	putative protein; protein id: At5g55530.1	-0.496	-0.142	-0.223	-0.194
A017015_01	At5g17870	plastid-specific ribosomal protein 6 precursor (Psrp-	0.971	0.923	0.564	0.317
A017016_01	At5g02450	60S ribosomal protein - like; protein id: At5g02450.1	0.876	0.785	0.684	0.846
A017020_01	At5g55910	serine threonine-specific protein kinase ATPK64 (pi	-0.441 NA	NA		-0.269
A017021_01	At5g13560	putative protein; protein id: At5g13560.1	0.212	0.174 NA		-0.289
A017022_01	At5g41050	expressed protein; protein id: At5g41050.1	0.677	0.465	0.472	0.537
A017024_01	At5g11770	NADH dehydrogenase (ubiquinone); protein id: At5g	-0.357	0.067	-0.022	-0.432
A017025_01	At5g47420	putative protein; protein id: At5g47420.1	0.689 NA		0.758	0.733
A017026_01	At5g17770	NADH-cytochrome b5 reductase; protein id: At5g17	0.518	0.523	0.441	0.617
A017028_01	At5g63400	adenylate kinase; protein id: At5g63400.1	0.682	0.506	0.473	0.402
A017031_01	At5g15210	putative protein; protein id: At5g15210.1	0.104	0.163	0.236	0.147
A017032_01	At5g54810	tryptophan synthase beta chain 1 precursor (sp|P14	0.117	-0.063	-0.404	-0.194
A017034_01	At5g02120	one helix protein (OHP); protein id: At5g02120.1	-0.942	-0.768	-0.421	-0.804
A017035_01	At5g02480	putative protein; protein id: At5g02480.1	-0.445	-0.57 NA		-0.63
A017036_01	At5g58290	26S proteasome AAA-ATPase subunit RPT3; prote	0.08	-0.119	0.012	0.245
A017037_01	At5g26830	threonyl-tRNA synthetase; protein id: At5g26830.1	0.426	0.29	-0.128	0.512
A017038_01	At5g26000	glycosyl hydrolase family 1, myrosinase precursor; j	1.647	0.856	0.894	2.348
A017040_01	At5g02770	putative protein; protein id: At5g02770.1	-0.175 NA		-0.158	-0.168
A017041_01	At5g02500	DnaK-type molecular chaperone hsc70.1; protein id	-0.076	-0.146	0.472	0.917
A017042_01	At5g64860	glycosyl hydrolase family 77 (4-alpha-glucanotransf	1.383	1.383	0.505	0.907
A017044_01	At5g64840	ABC transporter family protein; protein id: At5g6484	-1.433	-1.825	-1.635	-1.998
A017045_01	At5g64830	putative protein; protein id: At5g64830.1	0.167	0.162	0.142	0.574
A017046_01	At5g24530	flavanone 3-hydroxylase-like protein; protein id: At5	-1.216	-1.215 NA	NA	
A017048_01	At5g52650	putative protein; protein id: At5g52650.1	0.764	0.762	0.759	0.687
A017049_01	At5g14210	leucine-rich repeat transmembrane protein kinase, j	0.945	0.734	0.772	1.191
A017051_01	At5g43710	glycoside hydrolase family 47 family; protein id: At5	0.337 NA	NA		0.544
A017053_01	At5g57120	putative protein; protein id: At5g57120.1	0.36	0.243	0.483	0.396
A017056_01	At5g64030	ankyrin-like protein; protein id: At5g64030.1	0.563 NA		-0.424	-0.246
A017057_01	At5g54120	unknown protein; protein id: At5g54120.1 NA	NA	NA	-1.137	-0.894
A017059_01	At5g64350	FKBP-type peptidyl-prolyl cis-trans isomerase, puta	-0.245	-0.256	0.096	0.178
A017063_01	At5g08620	DEAD/DEAH box RNA helicase, putative	0.769	0.93	1.091	1.751
A017064_01	At5g66820	unknown protein; protein id: At5g66820.1	-0.351	-0.178	0.219	0.08
A017068_01	At5g28750	Tha4 protein - like; protein id: At5g28750.1	-0.04	0.124	0.049	-0.303
A017069_01	At5g43450	1-aminocyclopropane-1-carboxylate oxidase; proteir NA	NA	NA	-2.511	-3.591
A017071_01	At5g22620	putative protein; protein id: At5g22620.1,	-0.097 NA		-0.724	-0.476
A017072_01	At5g16110	putative protein; protein id: At5g16110.1	-1.687	-1.598	-0.784	-1.55
A017073_01	At5g23660	MitN3-like protein; protein id: At5g23660.1	-2.608	-2.562	-1.593	-2.759
A017075_01	At5g05170	putative cellulose synthase catalytic subunit; proteir	0.149	-0.114	-0.14	-0.276
A017079_01	At5g42190	E3 ubiquitin ligase SCF complex subunit, SKP1/ASI	-0.407	-0.56	-0.056	-0.366
A017080_01	At5g60580	putative protein; protein id: At5g60580.1	-0.674	-0.614	0.171	-0.075
A017083_01	At5g39600	putative protein; protein id: At5g39600.1	0.77	0.567	0.658	0.653
A017087_01	At5g48300	ADPG pyrophosphorylase small subunit (gb AAC39	1.046	0.698	-0.234	-0.109
A017088_01	At5g15350	putative protein; protein id: At5g15350.1	1.369	1.031	0.327	0.509
A017091_01	At5g05610	nucleic acid binding protein-like; protein id: At5g056 NA	NA	NA	0.207	0.178
A017092_01	At5g15230	GASA4; protein id: At5g15230.1	1.341	1.124	1.068	1.368
A017095_01	At5g58960	putative protein; protein id: At5g58960.1	1.057 NA		0.879	1.429
A017096_01	At5g45430	serine/threonine-protein kinase Mak (male germ cel	-0.897	-0.977	-0.447	-0.474
A017098_01	At5g10860	putative protein; protein id: At5g10860.1	-0.721	-0.903	-0.295	-0.242
A017099_01	At5g54290	cytochrome c biogenesis protein precursor (gb|AAF	-0.347	-0.567	-0.329	-0.637
A017100_01	At5g04040	expressed protein; protein id: At5g04040.1	-1.128	-1.025	-0.753	-1.054
A017108_01	At5g43430	electron transfer flavoprotein beta-subunit-like; prote	0.095 NA		0.097	-0.222
A017114_01	At5g53440	putative protein; protein id: At5g53440.1	-0.392	-0.477	-0.284	-0.578
A017115_01	At5g56250	unknown protein; protein id: At5g56250.1	-0.048 NA		-0.649	-0.657
A017116_01	At5g62390	KED - like protein; protein id: At5g62390.1	0.964	0.46	0.428	0.555
A017117_01	At5g51890	peroxidase, putative; protein id: At5g51890.1	0.455	0.573	0.531	0.987
A017120_01	At5g55660	putative protein; protein id: At5g55660.1	-0.212	0.04	0.057	-0.127
A017122_01	At5g46790	putative protein; protein id: At5g46790.1	-1.387	-1.416	-0.589	-1.632
A017127_01	At5g39340	His-Asp Phosphotransfer Signal Transducer AHP3;	-0.66	-0.53	-0.441	-0.33
A017128_01	At5g51070	ATP-dependent Clp protease ATP-binding subunit (	-2.278	-2.239	-1.479	-1.739
A017130_01	At5g66570	photosystem II oxygen-evolving complex 33 (OEC3;	-0.292	-0.573	-0.375	-0.818
A017135_01	At5g45880	Ole e I (main olive allergen)-like protein; protein id: j	-0.694	-1.052	-0.914	-1.516
A017138_01	At5g01710	putative protein; protein id: At5g46790.1	-0.652	-0.779	-0.324	-0.207
A017139_01	At5g48150	scarecrow gene regulator-like; protein id: At5g48150	-0.319	-0.139	0.452	0.774

A017140_01	At5g16050	14-3-3 protein GF14 epsilon (grf5); protein id: At5g1	-0.249	-0.033	0.212	0.151
A017142_01	At5g08160	serine/threonine protein kinase; protein id: At5g0816	0.038	0.31	0.261	0.698
A017149_01	At5g48680	putative protein; protein id: At5g48680.1	0.478	0.499	0.543	0.511
A017151_01	At5g63910	unknown protein; protein id: At5g63910.1	-0.287	NA	NA	-0.241
A017153_01	At5g43930	putative protein; protein id: At5g43930.1	NA	NA	-1.058	-1.323
A017160_01	At5g57800	lipid transfer protein; glossy1 homolog; protein id: A	-1.106	-1.464	-1.08	-1.126
A017162_01	At5g22510	alkaline/neutral invertase; protein id: At5g22510.1	-0.417	-0.138	-0.388	-0.172
A017173_01	At5g54860	putative protein; protein id: At5g54860.1	0.16	NA	NA	0.205
A017174_01	At5g12290	putative protein; protein id: At5g12290.1	0.495	0.166	NA	0.069
A017178_01	At5g12390	putative protein; protein id: At5g12390.1	-0.468	-0.68	-0.436	-0.984
A017185_01	At5g61290	putative protein; protein id: At5g61290.1	0.15	0.274	0.806	1.001
A017192_01	At5g07300	copine-like protein; protein id: At5g07300.1	-0.02	0.137	-0.313	-0.315
A017194_01	At5g02710	putative protein; protein id: At5g02710.1	0.2	0.128	0.234	-0.057
A017195_01	At5g24510	60s acidic ribosomal protein P1; protein id: At5g245 NA	NA	0.66	NA	0.409
A017207_01	At5g55220	trigger factor-like protein; protein id: At5g55220.1	0.824	0.571	0.454	0.878
A017227_01	At5g06360	putative protein; protein id: At5g06360.1	0.424	0.4	0.561	0.731
A017229_01	At5g03650	1,4-alpha-glucan branching enzyme protein soform	0.801	0.734	0.234	0.729
A017235_01	At5g23120	photosystem II stability/assembly factor HCF136; pr	0.249	-0.041	-0.546	-0.381
A017240_01	At5g45030	putative protein; protein id: At5g45030.1	0.043	-0.18	NA	0.4
A017247_01	At5g20410	monogalactosyldiacylglycerol synthase; protein id: /	-0.399	0.18	NA	NA
A017250_01	At5g02940	putative protein; protein id: At5g02940.1	0.382	-0.055	-1.18	-0.43
A017257_01	At5g19150	putative protein; protein id: At5g19150.1	-0.025	0.102	-0.009	0.496
A017258_01	At5g59250	D-xylose-H+ symporter - like protein; protein id: At5g	0.221	0.224	-0.272	-0.156
A017259_01	At5g13730	sigma-like factor (gb|AAC97954.1); protein id: At5g	-0.495	-0.403	-0.393	-0.507
A017261_01	At5g40740	putative protein; protein id: At5g40740.1	0.339	0.073	NA	0.154
A017265_01	At5g66160	ReMembR-H2 protein JR700 (gb|AAF32325.1); pro	-0.692	-0.656	-0.1	-0.465
A017266_01	At5g66180	putative protein; protein id: At5g66180.1	-0.299	-0.359	NA	-0.048
A017267_01	At5g46170	putative protein; protein id: At5g46170.1	-0.252	-0.203	-0.038	-0.274
A017268_01	At5g66210	calcium-dependent protein kinase; protein id: At5g6	-0.095	-0.345	-0.316	-0.16
A017274_01	At5g54750	unknown protein; protein id: At5g40860.1	0.446	0.487	0.395	0.422
A017277_01	At5g17860	potassium-dependent sodium-calcium exchanger - l	-1.773	-1.978	-1.088	-1.073
A017279_01	At5g13190	putative protein; protein id: At5g13190.1	-0.558	-0.463	-0.176	-0.9
A017280_01	At5g35990	unknown protein; protein id: At5g35990.1	-0.234	-0.365	-0.05	-0.442
A017284_01	At5g40690	putative protein; protein id: At5g40690.1	-3.608	NA	-1.667	-2.159
A017285_01	At5g04060	putative protein; protein id: At5g04060.1	0.736	NA	0.317	0.541
A017289_01	At5g18230	putative protein; protein id: At5g18230.1	0.139	-0.07	0.222	0.139
A017293_01	At5g03740	histone deacetylase -like protein; protein id: At5g03	0.995	0.808	0.668	1.118
A017305_01	At5g62560	putative protein; protein id: At5g62560.1	-0.8	-0.68	-0.279	-1.13
A017306_01	At5g62590	unknown protein; protein id: At5g62590.1	-0.844	-0.482	NA	0.037
A017307_01	At5g02250	ribonuclease II-like protein; protein id: At5g02250.1	0.113	0.105	NA	-0.255
A017308_01	At5g02270	ABC transporter family protein; protein id: At5g0227	0.411	NA	NA	0.328
A017311_01	At5g13330	putative protein; protein id: At5g13330.1	-1.112	-1.215	-0.262	-0.975
A017312_01	At5g11330	2,6-dihydropyridine 3-hydroxylase (DHPH)-relatec	-0.423	-0.592	-0.379	-0.099
A017314_01	At5g09820	putative protein; protein id: At5g09820.1	-0.179	NA	-0.146	-0.225
A017315_01	At5g14380	arabinogalactan-protein (AGP6); protein id: At5g143	-0.589	-0.721	NA	NA
A017316_01	At5g37930	putative protein; protein id: At5g37930.1	-0.345	-0.406	0.052	-0.208
A017321_01	At5g51980	putative protein; protein id: At5g51980.1	0.294	0.252	0.469	1.002
A017326_01	At5g52070	unknown protein; protein id: At5g52070.1	0.008	-0.09	0.463	0.408
A017327_01	At5g52110	putative protein; protein id: At5g52110.1	0.552	0.537	0.424	0.266
A017328_01	At5g41770	cell cycle control crn (crooked neck) protein-like; prc	0.37	0.263	NA	-0.006
A017331_01	At5g12110	elongation factor 1B alpha-subunit (emb|CAB64729	0.79	0.806	0.606	0.47
A017335_01	At5g10770	nucleoid DNA-binding protein cnd41 - like protein; p	-2.325	-2.427	-0.042	-0.518
A017340_01	At5g39785	expressed protein; protein id: At5g39785.1	NA	NA	NA	-0.87
A017341_01	At5g09880	RRM-containing protein; protein id: At5g09880.1	-0.293	-0.3	0.002	-0.035
A017352_01	At5g37850	pyridoxal kinase -like protein; protein id: At5g37850.	-0.442	-0.638	-0.397	-0.364
A017353_01	At5g47760	4-nitrophenylphosphatase-like protein; protein id: At	0.401	-0.083	0.303	0.491
A017354_01	At5g47780	putative protein; protein id: At5g47780.1	0.401	0.068	-0.115	-0.062
A017360_01	At5g47860	putative protein; protein id: At5g47860.1	-2.283	-2.277	-1.339	-1.955
A017361_01	At5g47870	putative protein; protein id: At5g47870.1	0.933	1.033	0.787	0.624
A017363_01	At5g18100	copper/zinc superoxide dismutase (CSD3); protein i	0.112	0.157	-0.323	-0.442
A017365_01	At5g42400	putative protein; protein id: At5g42400.1	0.231	NA	NA	0.039
A017378_01	At5g61960	meiosis protein mei2-related; protein id: At5g61960.	-1.022	-0.706	-0.895	-0.245
A017380_01	At5g40480	nuclear pore protein -like; protein id: At5g40480.1	1.299	1.374	NA	1.53
A017381_01	At5g09920	15.9 kDa subunit of RNA polymerase II (gb|AAB952	-0.162	-0.247	0.099	0.277
A017382_01	At5g07020	unknown protein	0.476	0.232	0.077	-0.19
A017387_01	At5g45800	leucine-rich repeat transmembrane protein kinase, f	-1.601	-1.828	-1.346	-1.399
A017389_01	At5g01980	putative protein; protein id: At5g01980.1	-0.27	-0.118	-0.223	-0.651
A017393_01	At5g43300	putative protein; protein id: At5g43300.1	-0.415	-0.566	NA	NA

A017394_01	At5g65870	putative protein; protein id: At5g65870.1	-2.339	-1.722	-1.058	-1.648
A017396_01	At5g66380	mitochondrial carrier protein family; protein id: At5g66380.1	-0.102	0.354	-0.115	-0.322
A017405_01	At5g55860	myosin heavy chain-like; protein id: At5g55860.1	-0.557 NA	NA		-0.617
A017413_01	At5g63940	putative protein; protein id: At5g63940.1	0.756	0.691	0.514	0.872
A017419_01	At5g47000	peroxidase, putative; protein id: At5g47000.1	-0.374 NA		-0.88	-1.706
A017421_01	At5g67500	porin-like protein; protein id: At5g67500.1	0.324 NA		0.221	0.135
A017423_01	At5g58310	polyneuridine aldehyde esterase-like; also similar to	-0.203 NA		-0.029	-1.04
A017425_01	At5g35700	putative fimbrin protein; protein id: At5g35700	0.313	0.311 NA		0.264
A017431_01	At5g35440	putative protein; protein id: At5g35440.1	0.008	0.025	0.095	0.271
A017433_01	At5g11900	putative protein; protein id: At5g11900.1	0.517	0.47	0.453	0.618
A017434_01	At5g23210	serine carboxypeptidase II-like protein; protein id: A	-0.677	-0.674	-0.742	-1.264
A017443_01	At5g11980	putative protein; protein id: At5g11980.1	0.566	0.684 NA		0.687
A017451_01	At5g12000	putative receptor - like kinase; protein id: At5g12000	-0.649 NA	NA		-1.535
A017452_01	At5g09990	expressed protein; protein id: At5g09990.1	-0.099	0.214	0.874	0.591
A017460_01	At5g54690	putative protein; protein id: At5g54690.1	-1.657	-1.725 NA	NA	
A017466_01	At5g11640	TITL putative protein; protein id: At5g11640.1	0.864	0.764	0.68	0.625
A017468_01	At5g25280	serine-rich protein; protein id: At5g25280.1	-2.63 NA		-1.672	-1.26
A017471_01	At5g67560	ADP-ribosylation factor-like protein; protein id: At5g67560	-0.272	-0.213	0.171	0.335
A017476_01	At5g02130	putative protein; protein id: At5g02130.1	0.276	0.437 NA		0.768
A017477_01	At5g45350	expressed protein; protein id: At5g45350.1	-2.073	-1.976	-1.27	-2.333
A017486_01	At5g59030	copper transport protein; protein id: At5g59030.1	-0.866	-0.815	-0.414	-1.264
A017501_01	At5g01780	putative protein; protein id: At5g01780.1	-0.031	-0.021 NA		0.257
A017502_01	At5g47100	calcineurin B 1; protein id: At5g47100.1	0.557	0.231	0.278	0.508
A017508_01	At5g52200	expressed protein; protein id: At5g52200.1	-0.373	-0.264	-0.016	-0.471
A017513_01	At5g13930	chalcone synthase; protein id: At5g13930.1;	1.785	1.475	1.114	1.836
A017517_01	At5g60030	KED - like protein; protein id: At5g60030.1	0.533	0.19	0.54	0.202
A017534_01	At5g62360	DC1.2 homologue - like protein; protein id: At5g62360	0.602	0.864 NA	NA	
A017549_01	At5g45600	putative protein; protein id: At5g45600.1	0.717	0.186	0.511	0.823
A017558_01	At5g44650	expressed protein; protein id: At5g44650.1	0.174 NA		-0.31	-0.478
A017559_01	At5g16950	putative protein; protein id: At5g16950.1	0.129	0.108	0.537	-0.361
A017562_01	At5g52550	putative protein; protein id: At5g52550.1	-0.658	-0.702	-0.567	-0.719
A017563_01	At5g17090	putative protein; protein id: At5g17090.1	-0.374	-0.449	0.143	-0.195
A017564_01	At5g61420	myb-related transcription factor(mixta), putative; pro	-1.655 NA		-0.683	-1.228
A017569_01	At5g16800	putative protein; protein id: At5g16800.1	-0.439	-0.419	0.005	0.196
A017570_01	At5g14720	protein kinase -like protein; protein id: At5g14720.1	0.067	-0.424 NA		-0.447
A017575_01	At5g01850	protein kinase ATN1-like protein; protein id: At5g01850	-1.181	-0.775 NA		-1.035
A017580_01	At5g14370	unknown protein; protein id: At5g14370	-0.15	0.182	0.525	0.401
A017581_01	At5g17560	putative protein; protein id: At5g17560.1	-0.337	-0.247	-0.163	0.133
A017583_01	At5g65750	2-oxoglutarate dehydrogenase, E1 component; prot	0.12	0.041 NA		0.372
A017587_01	At5g61330	putative protein; protein id: At5g61330.1	0.37 NA	NA		0.551
A017589_01	At5g14440	putative protein; protein id: At5g14440.1	0.043	-0.009	0.02	-0.471
A017593_01	At5g16150	sugar transporter-like protein; protein id: At5g16150	0.141	-0.059	-0.042	0.077
A017595_01	At5g01880	putative protein; protein id: At5g01880.1	-1.577	-1.483	-0.58	-1.581
A017597_01	At5g65720	NifS-like aminotransferase; protein id: At5g65720.1	0.188	0.002	0.143	0.45
A017600_01	At5g55140	putative protein; protein id: At5g55140.1	0.146	0.354	0.658	0.555
A017604_01	At5g61310	cytochrome c oxidase subunit - like; protein id: At5g61310	0.36	0.652	0.742	-0.116
A017612_01	At5g57550	xyloglucan endotransglycosylase (XTR3); protein id NA	NA		-1.874	-2.348
A017614_01	At5g35680	expressed protein; protein id: At5g35680.2	-0.397	-0.46	-0.04	-1.052
A017618_01	At5g18140	unknown protein; protein id: At5g18140.1	-0.501	-0.517	-0.215	-0.454
A017633_01	At5g67490	expressed protein; protein id: At5g67490.1	-0.465	0.138	0.047	-0.298
A017635_01	At5g67530	peptidylprolyl isomerase (cyclophilin)-like; protein id	0.129 NA	NA		-0.327
A017636_01	At5g67540	glycosyl hydrolase family 43; protein id: At5g67540.	-0.836 NA		-0.56	-0.497
A017637_01	At5g67580	putative protein; protein id: At5g67580.1	0.107 NA	NA		0.333
A017640_01	At5g57910	putative protein; protein id: At5g57910.1	-1.845	-2.277	-1.027	-1.888
A017641_01	At5g57960	GTP binding protein-like; protein id: At5g57960.1	-0.465	-0.854	-0.613	-0.208
A017644_01	At5g59830	putative protein; protein id: At5g59830.1	-0.05	-0.565	0.026	0.22
A017646_01	At5g59890	actin depolymerizing factor 4 - like protein	-0.185	-0.368	-0.309	-0.071
A017652_01	At5g53550	EspB-like protein; protein id: At5g53550.1	NA	NA	-1.676	-2.054
A017653_01	At5g53590	unknown protein; protein id: At5g53590.1	-1.087 NA	NA		-0.603
A017656_01	At5g45900	AtAPG7; ubiquitin activating enzyme E1-like protein	-1.654	-1.842	-0.493	-0.388
A017657_01	At5g45930	magnesium chelatase subunit of prochlorophyllide r	0.673	0.944	0.26	0.987
A017659_01	At5g44730	Dreg-2 like protein; protein id: At5g44730.1	0.644	0.591	0.579	0.608
A017664_01	At5g46760	bHLH protein; protein id: At5g46760.1	-0.899	-1.508	-1.205	-1.056
A017667_01	At5g58930	putative protein; protein id: At5g58930.1	1.156	0.788	1.083	1.791
A017668_01	At5g52370	expressed protein; protein id: At5g52370.1	0.622	0.484	0.407	-0.004
A017671_01	At5g44520	putative protein; protein id: At5g44520.1	0.124	-0.1	-0.235	0.017
A017672_01	At5g41930	unknown protein; protein id: At5g41930.1	-0.801	0.235	-0.432	-0.236
A017692_01	At5g64930	CPR5 protein, putative; protein id: At5g64930.1	-0.352	-1.046	-0.676	-0.404

A017693_01	At5g64960	cyclin-dependent kinase C;2; protein id: At5g64960.	0.042	-0.039	0.385	1.089
A017695_01	At5g58770	dehydrodolichyl diphosphate synthase (DEDOL-PP	-3.238 NA		-2.29 NA	
A017699_01	At5g40040	acidic ribosomal protein P2 -like; protein id: At5g400	0.652	0.238	0.554	0.333
A017701_01	At5g47930	putative ribosomal protein S27:AT5g47930	0.884	0.827	0.677	0.744
A017703_01	At5g50230	TIPD, putative; protein id: At5g50230.1	-0.313	-0.534	-0.129	-0.174
A017713_01	At5g47480	putative protein; protein id: At5g47480.1	-0.181	-0.326	0.071	0.046
A017714_01	At5g47500	pectinesterase family; protein id: At5g47500.1	1.61	1.331	1.293	1.817
A017715_01	At5g47550	putative protein; protein id: At5g47550.1	-0.703	-0.141	0.364	0.366
A017716_01	At5g47570	expressed protein; protein id: At5g47570.1	0.235	0.202	0.418	0.179
A017718_01	At5g47620	heterogeneous nuclear ribonucleoprotein (hnRNP),	-0.926 NA		-0.118	-0.382
A017726_01	At5g06780	putative protein; protein id: At5g06780.1	0.159 NA		-0.23	0.004
A017734_01	At5g04990	unknown protein	-0.014	0.027	-0.045	0.243
A017737_01	At5g38160	lipid transfer - like protein; protein id: At5g38160.1	-3.083 NA	NA	NA	
A017740_01	At5g38220	putative protein; protein id: At5g38220.1	-0.63	-1.093 NA		-0.006
A017742_01	At5g22650	histone deacetylase-like protein; protein id: At5g226	0.65	0.561	0.743	0.73
A017743_01	At5g40300	putative protein; protein id: At5g40300.1	-0.012 NA		0.337	0.266
A017746_01	At5g42680	putative protein; protein id: At5g42680.1	0.312	0.338	0.816	0.677
A017749_01	At5g64090	unknown protein; protein id: At5g64090.1	0.077	-0.08 NA		0.011
A017754_01	At5g62840	putative protein; protein id: At5g62840.1	0.914	0.695 NA		0.65
A017756_01	At5g16260	RRM-containing protein; protein id: At5g16260.1	0.345	0.064	-0.183	0.014
A017757_01	At5g16280	putative protein; protein id: At5g16280.1	0.268	0.106 NA		0.5
A017758_01	At5g11070	putative protein; protein id: At5g11070.1	-1.604	-1.714	-0.81	-1.587
A017762_01	At5g09400	potassium transport protein-like; protein id: At5g094	0.138 NA	NA		-0.75
A017764_01	At5g61810	peroxisomal Ca-dependent solute carrier - like prote	0.85	1.094	0.54	0.924
A017767_01	At5g13080	WRKY family transcription factor; protein id: At5g49 NA	NA	NA	NA	
A017768_01	At5g13120	peptidyl-prolyl isomerase protein; protein id: At5g13	0.789	0.896	0.341	0.378
A017769_01	At5g04100	putative protein; protein id: At5g04100.1	-0.338 NA		-0.297	-0.103
A017771_01	At5g04240	zinc finger protein - like; protein id: At5g04240.1	-0.235	-0.073 NA		-0.088
A017777_01	At5g08415	lipoic acid synthase - like protein; protein id: At5g08	0.182	0.239 NA		0.545
A017779_01	At5g08430	putative protein; protein id: At5g08430.1	0.05	-0.061	0.124	0.142
A017782_01	At5g06970	putative protein; protein id: At5g06970.1	0.7	0.305 NA		-0.15
A017783_01	At5g06980	expressed protein; protein id: At5g06980.1	-1.764	-1.726	-0.485	-0.945
A017794_01	At5g21930	similar to metal-transporting P-type ATPase; protein	-0.155 NA		-0.391	-0.775
A017798_01	At5g22040	unknown protein; protein id: At5g22040.1	0.315	0.026	0.303	-0.094
A017799_01	At5g42080	dynammin-like protein (pir||S59558); protein id: At5g4	0.328	0.203	0.122	0.321
A017801_01	At5g65930	putative kinesin calmodulin-binding protein; protein	0.43	0.462 NA		0.66
A017803_01	At5g56290	peroxisomal targeting signal type 1 receptor; proteir	-0.1	-0.792	-0.531	-0.412
A017807_01	At5g13280	aspartate kinase; protein id: At5g13280.1	0.602	0.777	0.523	0.835
A017808_01	At5g51820	phosphoglucosyltransferase (emb|CAB64725.1); protein ic	1.135	0.97 NA		0.351
A017812_01	At5g03140	receptor like protein kinase; protein id: At5g03140.1	-0.324 NA	NA		0.244
A017813_01	At5g03300	putative protein; protein id: At5g03300.1	0.293	0.351	0.588	0.977
A017815_01	At4g13261	hypothetical protein; protein id: At4g13261.1	0.339	0.046	0.921	0.554
A017824_01	At5g35320	putative protein; protein id: At5g35320.1	-0.813	0.095	-0.494	-0.274
A017825_01	At5g48640	cyclin C-like protein; protein id: At5g48640.1	-0.154 NA	NA		0.27
A017835_01	At5g09680	putative protein; protein id: At5g09680.1	-0.269	-0.558	-0.468	-0.347
A017837_01	At5g09650	inorganic pyrophosphatase - like protein; protein id:	1.07	1.05	0.2	0.727
A017839_01	At5g09540	putative protein; protein id: At5g09540.1	-0.501	-0.293	0.096	-0.385
A017845_01	At5g10460	putative protein; protein id: At5g10460.1	-0.167 NA		-0.186	-0.311
A017848_01	At5g59960	putative protein; protein id: At5g59960.1	-1.544 NA		-0.974	-1.501
A017849_01	At5g63150	expressed protein; protein id: At5g63150.1	0.26	0.409	0.481	0.128
A017850_01	At5g65860	unknown protein; protein id: At5g65860.1	0.275	0.235 NA		1.166
A017852_01	At5g64500	putative protein; protein id: At5g64500.1	-0.136	-0.564	-0.319	-0.232
A017855_01	At5g44190	unknown protein; protein id: At5g44190	-0.485	-0.114	-0.745	-1.429
A017856_01	At5g63670	expressed protein; protein id: At5g63670.1	0.082	0.232	0.048	-0.06
A017858_01	At5g16630	putative protein; protein id: At5g16630.1	-0.809	-1.134 NA		-0.936
A017859_01	At5g53200	putative protein; protein id: At5g53200.1	-0.269	-0.197	-0.129	-0.895
A017860_01	At5g65310	homeobox-leucine zipper protein ATHB-5 (HD-zip p	1.309	1.243	1.539	2.14
A017861_01	At5g58740	putative protein; protein id: At5g58740.1	-0.542	-0.305	0.086	-0.228
A017863_01	At5g55300	DNA topoisomerase I (sp P30181); protein id: At5g5	0.161	0.079	-0.131	0.254
A017866_01	At5g51340	unknown protein; protein id: At5g51340.1	-0.082	0.014 NA		-0.077
A017867_01	At5g05110	putative cysteine proteinase inhibitor	-1.935	-2.01	-1.419	-1.47
A017868_01	At5g56460	protein kinase-like protein; protein id: At5g56460.1	-1.437 NA		-0.949	-1.332
A017869_01	At5g57860	putative protein; protein id: At5g57860.1	0.004	-0.052	0.407	-0.212
A017871_01	At5g10830	embryonic abundant protein -like; protein id: At5g10	-1.164 NA	NA		-0.977
A017872_01	At5g50380	putative protein; protein id: At5g50380.1	-1.056	-0.95	-0.57	-0.39
A017873_01	At5g22280	putative protein; protein id: At5g22280.1	0.274	0.309	0.528	0.241
A017874_01	At5g49930	putative protein; protein id: At5g49930.1	-0.65	-0.562 NA		-0.427
A017877_01	At5g67330	natural resistance-associated macrophage protein;	-0.598	-0.337	-0.709	-0.066

A017878_01	At5g53120	spermidine synthase; protein id: At5g53120.1	-0.392	-0.469	-0.28	-0.239
A017880_01	At5g67470	formin-like protein; protein id: At5g67470.1	0.761	0.372	0.432	0.524
A017882_01	At5g13450	delta subunit of mitochondrial F1-ATPase; protein id: At5g13450.1	0.393	0.301	0.45	0.762
A017885_01	At5g50370	adenylate kinase; protein id: At5g50370.1	0.772	0.631	0.815	0.949
A017886_01	At5g52240	progesterone-binding protein-like; protein id: At5g52240.1	-0.104	0.049	0.173	0.2
A017887_01	At5g49570	putative protein; protein id: At5g49570.1	-0.649 NA	NA		-0.22
A017890_01	At5g23050	acetyl-CoA synthetase-like protein; protein id: At5g23050.1	-1.054	-0.985 NA		-1.285
A017892_01	At5g09410	calmodulin-binding protein; protein id: At5g09410.1	-0.21	-0.242	-0.216	-0.248
A017894_01	At5g02870	60S ribosomal protein - like; protein id: At5g02870.1	1.489	0.908	0.89	1.718
A017897_01	At5g64670	putative protein; protein id: At5g64670.1	1.124	0.844	0.828	0.782
A017899_01	At5g63260	putative protein; protein id: At5g63260.1	-0.197 NA		0.185	-0.077
A017900_01	At5g60920	phytochelatin synthetase - like protein; protein id: At5g60920.1	0.532	0.508	-0.08	-0.021
A017901_01	At5g07270	putative protein; protein id: At5g07270.1	-0.251	-0.332 NA		-0.302
A017902_01	At5g42050	putative protein; protein id: At5g42050.1	-1.328	-1.284	-0.874	-0.816
A017904_01	At5g23940	acyltransferase; protein id: At5g23940.1	1.668	1.444	1.298	1.807
A017909_01	At5g47710	putative protein; protein id: At5g47710.1	0.232	0.115	0.44	0.351
A017913_01	At5g63800	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At5g63800.1	NA		-2.428	-3.47
A017915_01	At5g62270	putative protein; protein id: At5g62270.1	1.178	1.11	0.978	1.227
A017916_01	At5g58970	uncoupling protein (AtUCP2); protein id: At5g58970.1	0.5 NA	NA		0.43
A017918_01	At5g06140	sorting nexin-like protein; protein id: At5g06140.1	-0.029 NA		-0.511	-0.389
A017920_01	At5g42270	FtsH protease, putative; protein id: At5g42270.1	-0.223	-0.46	-0.51	-0.403
A017922_01	At5g04930	expressed protein; protein id: At5g04930.1	-0.282	-0.509	-0.297	-0.616
A017923_01	At5g51040	putative protein; protein id: At5g51040.1	-0.475	-0.604	-0.181	-0.427
A017924_01	At5g61380	pseudo-response regulator 1; protein id: At5g61380.1	-0.457	-0.411	-0.543	-0.193
A017925_01	At5g53450	putative protein; protein id: At5g53450.1	-1.424	-1.499	-1.259	-1.092
A017928_01	At5g15810	N2,N2-dimethylguanine tRNA methyltransferase-like protein; protein id: At5g15810.1	0.355	0.399	0.162	0.351
A017933_01	At5g66470	GTP-binding protein-like; protein id: At5g66470.1	0.646	0.785	0.772	0.882
A017934_01	At5g47880	eukaryotic release factor 1 homolog (gb|AAA91169.1); protein id: At5g47880.1	-0.267 NA	NA		-0.244
A017935_01	At5g42310	maize crp1 protein-like; protein id: At5g42310.1	-0.731	-1.156	-1.127	-1.144
A017936_01	At5g59220	protein phosphatase 2C (PP2C); protein id: At5g59220.1	-1.709	-1.348	-0.351	-0.492
A017937_01	At5g10940	putative protein; protein id: At5g10940.1	-0.362	-0.457 NA		-0.458
A017938_01	At5g06320	harpin-induced protein-like; protein id: At5g06320.1	-0.918	-0.839	-0.676	-1.45
A017942_01	At5g22580	expressed protein; protein id: At5g22580.1	1.992	1.496	1.37	1.979
A017945_01	At5g16840	RRM-containing protein; protein id: At5g16840.1	-0.277	-0.432	-0.006	-0.079
A017949_01	At5g22780	alpha-adaptin C homolog; protein id: At5g22780.1	0.039	-0.05	-0.013	-0.342
A017950_01	At5g19370	peptidyl-prolyl cis-trans isomerase - like protein; protein id: At5g19370.1	0.615	0.823	0.311	0.325
A017951_01	At5g24300	starch synthase, putative; protein id: At5g24300.1	0.621	0.653	0.302	0.337
A017952_01	At5g57940	cyclic nucleotide-regulated ion channel (CNGC5); protein id: At5g57940.1	-0.859	-0.546	-0.366	-0.259
A017955_01	At5g21105	expressed protein; protein id: At5g21105.1	0.364	0.437	-0.294	-0.104
A017957_01	At5g52780	putative protein; protein id: At5g52780.1	-0.396	-0.534	-0.176	-0.654
A017962_01	At5g04720	disease resistance protein (CC-NBS-LRR class), putative; protein id: At5g04720.1	-1.361	-1.057	-0.649	-0.553
A017965_01	At5g20280	putative sucrose-phosphate synthase; protein id: At5g20280.1	-0.078	-0.157	0.045	-0.195
A017967_01	At5g03460	expressed protein; protein id: At5g03460.1	-0.61	-0.213	-0.15	-0.862
A017971_01	At5g50810	small zinc finger-like protein; protein id: At5g50810.1	0.995	1.133	0.854	1.109
A017972_01	At5g50000	protein kinase; protein id: At5g50000.1	0.546	0.589	0.487	0.773
A017974_01	At5g50030	putative protein; protein id: At5g50030.1	-0.536	-0.422	-0.685	-1.562
A017975_01	At5g49980	transport inhibitor response 1 (TIR1), putative; protein id: At5g49980.1	-0.478	-0.478	-0.583	-0.4
A017977_01	At5g01520	putative protein; protein id: At5g01520.1	-2.975 NA		-2.064	-3.214
A017979_01	At5g02380	metallothionein 2b; protein id: At5g02380.1	-0.419	-1.478	-0.015	-0.344
A017980_01	At5g50100	putative protein; protein id: At5g50100.1	-1.232	-1.456	-0.942	-1.208
A017982_01	At5g62790	1-deoxy-D-xylulose 5-phosphate reductoisomerase; protein id: At5g62790.1	0.408	-0.158	-0.513	0.017
A017983_01	At5g50130	ribitol dehydrogenase-like; protein id: At5g50130.1 NA	NA		-0.895	-1.492
A017985_01	At5g43720	expressed protein; protein id: At5g43720.1	-0.047 NA		0.05	0.322
A017987_01	At5g48810	cytochrome b5 (dbj|BAA74840.1); protein id: At5g48810.1	-0.335	-0.411	-0.057	-0.864
A017991_01	At5g46630	AP47/50p (gb|AAB88283.1); protein id: At5g46630.1	0.282	-0.055	-0.02	0.117
A017993_01	At5g43850	putative protein; protein id: At5g43850.1	-1.389	-1.573	-0.879	-1.207
A017994_01	At5g60460	protein transport protein subunit - like; protein id: At5g60460.1	-0.023	0.275	0.541	-0.019
A017995_01	At5g44030	cellulose synthase catalytic subunit-like protein; protein id: At5g44030.1	-1.82	-1.999	-1.138	-2.121
A017996_01	At5g18580	unknown protein; protein id: At5g18580.1	0.199	0.01	-0.097	0.342
A018000_01	At5g08300	succinyl-CoA-ligase alpha subunit; protein id: At5g08300.1	0.639	0.767	0.606	0.98
A018004_01	At5g47030	putative ATP synthase delta chain, mitochondrial; protein id: At5g47030.1	0.149	0.087	0.046	-0.094
A018006_01	At5g24780	vegetative storage protein Vsp1; protein id: At5g24780.1	1.778	1.097	0.572	1.281
A018011_01	At5g45130	ras-related GTP-binding protein RHA1 (sp|P31582); protein id: At5g45130.1	-0.38	-0.795	-0.519	-0.595
A018016_01	At5g17230	phytoene synthase (geranylgeranyl-diphosphate geranyltransferase); protein id: At5g17230.1	-0.386	-0.43	-0.313	0.298
A018017_01	At5g65050	MADS-box protein; protein id: At5g65050.1	0.12	-0.166	0.118	-0.184
A018019_01	At5g14740	carbonic anhydrase 2; protein id: At5g14740.1	-1.431	-1.621	-1.14	-1.79
A018022_01	At5g24690	putative protein; protein id: At5g24690.1	0	-0.046	-0.215	-0.256
A018025_01	At5g56760	serine O-acetyltransferase (EC 2.3.1.30) Sat-52 (pir); protein id: At5g56760.1	-0.151	-0.069	-0.174	-0.259

A018028_01	At5g39740	ribosomal protein L5 - like; protein id: At5g39740.1	0.565	0.53	0.475	1.096
A018029_01	At5g60160	aspartyl aminopeptidase - like protein; protein id: At	-0.179	-0.587	-0.3	0.2
A018032_01	At5g09220	amino acid transport protein AAP2	-1.349	-1.618	-0.833	-0.838
A018034_01	At5g10030	bZIP transcription factor, OBF4; protein id: At5g100	-1.48 NA	NA	NA	
A018038_01	At5g21090	leucine-rich repeat protein; protein id: At5g21090.1	-0.417	-0.718	-0.26	-0.476
A018041_01	At5g19120	conglutin gamma - like protein; protein id: At5g1912	-1.057	-0.834	-0.15	-0.493
A018042_01	At5g66860	putative protein; protein id: At5g66860.1	0.632	0.696	0.639	0.487
A018043_01	At5g56190	WD-repeat protein-like; protein id: At5g56190.1	-0.721	-0.755	-0.445	-0.384
A018046_01	At5g08650	GTP-binding protein LepA, putative; protein id: At5g	0.073 NA		-1.043	-0.763
A018047_01	At5g23060	putative protein; protein id: At5g23060.1	-0.102	-0.177	-0.228	0.012
A018048_01	At5g64560	putative protein; protein id: At5g64560.1	0.032	-0.25	0.019	0.079
A018049_01	At5g64580	putative protein; protein id: At5g64580.1	1.105	1.095	0.264	0.673
A018052_01	At5g61210	syntaxin SNAP33; protein id: At5g61210.1	-0.764	-0.985	-0.719	-1.145
A018054_01	At5g11030	putative protein; protein id: At5g11030.1	-0.612	-0.345	-0.125	-0.099
A018058_01	At5g66170	senescence-associated protein; protein id: At5g661	-1.852	-2.04	-0.926	-2.125
A018060_01	At5g52840	expressed protein; protein id: At5g52840.1	1.118	0.833	0.74	0.331
A018062_01	At5g40170	disease resistance protein family; protein id: At5g40	-0.78 NA	NA	NA	
A018064_01	At5g50920	ATP-dependent Clp protease ATP-binding subunit (	-0.887	-1.063	-0.817	-0.77
A018065_01	At5g47200	ras-related small GTP-binding protein-like; protein id	-0.458	-0.66	0.136	0.102
A018066_01	At5g61820	putative protein; protein id: At5g61820.1	-2.593	-2.726	-1.924	-2.598
A018067_01	At5g19760	putative oxoglutarate/malate translocator protein	0.63	0.321	0.017	0.216
A018068_01	At5g65110	acyl-CoA oxidase (gb|AAC13497.1); protein id: At5g	-1.063	-1.169	-0.778	-0.564
A018069_01	At5g65220	50S ribosomal protein L29; protein id: At5g65220.1	0.341	0.513	0.443	0.26
A018070_01	At5g47540	putative protein; protein id: At5g47540.1	-0.928 NA	NA		-1.115
A018071_01	At5g46700	senescence-associated protein 5-like protein; protei	1.076	1.085	0.93	1.323
A018072_01	At5g40580	20S proteasome beta subunit PBB2; protein id: At5g	-0.054	0.142	0.241	0.578
A018074_01	At5g41340	E2, ubiquitin-conjugating enzyme 4 (UBC4); protein	-0.009	-0.513	-0.457	-0.557
A018076_01	At5g41260	protein kinase-like; protein id: At5g41260.1	-0.221 NA	NA		0.133
A018080_01	At5g45040	expressed protein; protein id: At5g45040.1	-0.237	0.154	-0.145	-0.337
A018081_01	At5g24670	unknown protein; protein id: At5g24670.1	-0.464	-0.419	-0.027	-0.52
A018085_01	At5g04850	expressed protein; protein id: At5g04850.1	-0.979	-0.837 NA		-1.118
A018088_01	At5g61410	ribulose-5-phosphate-3-epimerase; protein id: At5g6	-0.246	-0.526	-0.239	0.022
A018089_01	At5g09660	microbody NAD-dependent malate dehydrogenase;	-1.461	-1.345	-0.605	-1.314
A018092_01	At5g46250	RRM-containing protein; protein id: At5g46250.1	-0.523	-0.444	-0.209	-0.442
A018093_01	At5g45420	expressed protein; protein id: At5g45420.1	0.398 NA		0.267	-0.059
A018097_01	At5g46330	leucine-rich repeat transmembrane protein kinase, p	-0.076	-0.324 NA		-0.544
A018098_01	At5g04590	sulphite reductase; protein id: At5g04590.1	-0.003	-0.272	-0.777	-0.75
A018099_01	At5g49810	methionine S-methyltransferase (gb|AAD49574.1); p	0.381	-0.009	0.174	0.596
A018100_01	At5g41080	putative protein; protein id: At5g41080.1	0.255	-0.076	0.202	-0.164
A018101_01	At5g23440	putative protein; protein id: At5g23440.1	-0.333	-0.112	-0.282	-0.631
A018102_01	At5g40910	disease resistance protein (TIR-NBS-LRR class), p	-0.613	-0.343	-0.254	-0.355
A018103_01	xxxx	b/t hypothetical protein; protein id: At5g24710.1 and	-1.025	-0.906	-0.783	-0.699
A018104_01	At5g14030	expressed protein; protein id: At5g14030.1	0.575	0.415	0.268	0.014
A018105_01	At5g04750	F1F0-ATPase inhibitor - like protein; protein id: At5g	-0.492	-0.508	-0.261	-1.172
A018106_01	At5g50900	putative protein; protein id: At5g50900.1	-0.245 NA		-0.418	-0.473
A018107_01	At5g08170	putative protein; protein id: At5g08170.1	-0.376	-0.541	-0.184	-0.11
A018108_01	At5g53130	cyclic nucleotide-regulated ion channel (CNGC1); p	NA	NA		-1.029
A018110_01	At5g59960	putative protein; protein id: At5g59960.1	-1.779	-2.083	-0.828	-1.079
A018111_01	At5g64170	putative protein; protein id: At5g64170.1	-0.425	-0.86	-0.335	-0.219
A018115_01	At5g66120	3-dehydroquinate synthase-like protein	-0.051	-0.203	-0.058	0.008
A018117_01	At5g43680	unknown protein; protein id: At5g43680.1	0.413	0.536	0.013	-0.126
A018119_01	At5g13740	transporter-like protein; protein id: At5g13740.1	-0.404	-0.518	-0.059	0.082
A018126_01	At5g40870	uridine kinase-like protein; protein id: At5g40870.1	0.66	0.603	0.432	0.697
A018128_01	At5g47430	DNA-binding protein-like; protein id: At5g47430.1	-0.68	-0.313 NA		-0.452
A018135_01	At5g46620	putative protein; protein id: At5g46620.1	0.197	0.008	0.588	0.582
A018139_01	At5g13770	putative protein; protein id: At5g13770.1	-1.167	-1.593	-1.125	-1.366
A018147_01	At5g54170	membrane related protein-like; protein id: At5g5417	-1.511	-1.53	-0.869	-1.458
A018151_01	At5g29000	putative protein; protein id: At5g29000.2	-0.706	-0.721	-0.295	-0.235
A018153_01	At5g21020	putative protein; protein id: At5g21020.1	-1.729 NA		-0.578	-1.344
A018154_01	At5g56660	IAA-amino acid hydrolase (gb|AAC04866.1); protei	-0.788	-0.696	-0.568	-0.356
A018155_01	At5g12310	finger-like protein; protein id: At5g12310.1	NA	NA	0.215	-0.034
A018156_01	At5g57350	plasma membrane ATPase 3 (proton pump) (sp|P2	-1.16	-1.591	-0.966	-1.627
A018157_01	At5g62540	ubiquitin-conjugating enzyme E2-17 kd 3ubiquitin-pi	-1.309	-0.923	-0.642	-1.021
A018159_01	At5g24160	squalene monoxygenase 1,2 (squalene epoxidase	-2.867 NA		-1.913	-3.264
A018163_01	At5g56840	putative protein; protein id: At5g56840.1	-1.278	-1.303 NA	NA	
A018171_01	At5g65250	expressed protein; protein id: At5g65250.1	-0.015	0.115	0.055	0.157
A018174_01	At5g62440	putative protein; protein id: At5g62440.1	0.25	0.449	0.675	0.238
A018175_01	At5g03690	fructose-bisphosphate aldolase - like protein; protein	-0.339	-0.495	-0.682	-0.846

A018176_01	At5g03760	putative protein; protein id: At5g03760.1	0.43	0.337	NA		1.028
A018179_01	At5g02030	homeodomain protein; protein id: At5g02030.1	NA	NA		-0.107	-0.191
A018182_01	At5g03440	putative protein; protein id: At5g03440.1	0.08	0.281		0.512	0.005
A018183_01	At5g03455	rhodanese-like domain protein; protein id: At5g03455.1	-0.783	-0.433		-0.225	-0.428
A018185_01	At5g03520	GTP-binding protein, putative; protein id: At5g03520.1	-0.516	-0.779		0.341	0.199
A018189_01	At5g04080	putative protein; protein id: At5g04080.1	-2.234	-1.572	NA		NA
A018193_01	At5g04540	myotubularin - like protein; protein id: At5g04540.1	0.019	-0.447	NA		NA
A018195_01	At5g51970	sorbitol dehydrogenase-like protein; protein id: At5g51970.1	-1.171	-1.164		-0.752	-0.87
A018200_01	At5g52030	putative protein; protein id: At5g52030.1	-0.031	NA	NA		-0.107
A018204_01	At5g41760	CMP-sialic acid transporter-like protein; protein id: At5g41760.1	0.476	NA		0.399	0.68
A018205_01	At5g02620	ankyrin - like protein; protein id: At5g02620.1	-0.545	-0.689	NA		-0.135
A018206_01	At5g02630	putative protein; protein id: At5g02630.1	-0.965	NA	NA		NA
A018207_01	At5g18830	squamosa promoter binding protein-like 7; protein id: At5g18830.1	0.217	-0.05		-0.167	0.115
A018210_01	At5g04710	aspartyl aminopeptidase -like protein; protein id: At5g04710.1	0.305	0.02		-0.244	0.292
A018211_01	At5g02740	putative protein; protein id: At5g02740.1	0.521	0.477		0.715	0.94
A018214_01	At5g02790	ln2-1 protein, putative; protein id: At5g02790.1	-0.576	-0.879		-0.406	-0.734
A018216_01	At5g02910	putative protein; protein id: At5g02910.1	-0.425	-0.5	NA		0.659
A018226_01	At5g13470	putative protein; protein id: At5g13470.1	-0.203	NA	NA		-0.181
A018234_01	At5g14530	putative protein; protein id: At5g14530.1	-0.041	0.098	NA		NA
A018237_01	At5g11890	putative protein; protein id: At5g11890.1	1.29	1.289		1.005	1.044
A018239_01	At5g11950	lysine decarboxylase - like protein; protein id: At5g11950.1	NA	NA	NA		NA
A018240_01	At5g12010	putative protein; protein id: At5g12010.1	-1.482	-1.473		-0.433	-0.779
A018241_01	At5g11720	glycosyl hydrolase family 31; protein id: At5g11720.1	0.305	0.185		-0.084	-0.091
A018242_01	At5g11750	putative protein; protein id: At5g11750.1	0.652	0.398		0.577	1.135
A018243_01	At5g11810	putative protein; protein id: At5g11810.1	0.299	-0.014		-0.213	-0.309
A018248_01	At5g14250	COP9 complex subunit 3, FUS11; protein id: At5g14250.1	0.373	NA		0.255	0.452
A018249_01	At5g14270	kinase - like protein; protein id: At5g14270.1	NA	NA	NA		-1.135
A018251_01	At5g14360	putative protein; protein id: At5g14360.1	-1.022	-0.855		-0.065	-0.352
A018253_01	At5g42470	brain and reproductive organ-expressed protein-like	-0.319	NA		-0.552	-0.553
A018254_01	At5g14460	tRNA synthase - like protein; protein id: At5g14460.1	0.489	0.443		0.062	0.132
A018256_01	At5g12860	2-oxoglutarate/malate translocator precursor -like protein	0.517	0.393		0.265	0.378
A018258_01	At5g39080	acyltransferase -like protein; protein id: At5g39080.1	-1.343	-1.154		-0.713	-1.349
A018259_01	At5g39090	acyltransferase -like protein; protein id: At5g39090.1	-2.834	NA		-1.507	-2.162
A018264_01	At5g05930	expressed protein; protein id: At5g05930.1	-1.073	-0.973		-0.728	-0.99
A018266_01	At5g16760	inositol 1,3,4-Trisphosphate 5/6 kinase; protein id: At5g16760.1	-0.207	-0.365		-0.083	-0.285
A018267_01	At5g25220	KNAT3 homeodomain protein; protein id: At5g25220.1	-1.252	-1.354		-0.801	-0.83
A018269_01	At5g67300	putative myb-related protein, 33.3K	-0.156	-0.297		-0.094	-0.51
A018270_01	At5g24120	sigma-like factor (emb CAA77213.1); protein id: At5g24120.1	-2.391	-2.578		-1.527	-1.814
A018272_01	At5g40470	putative protein; protein id: At5g40470.1	-0.953	-1.121		-0.628	-0.156
A018273_01	At5g08080	syntaxin SYP132; protein id: At5g08080.1	0.271	-0.058		0.088	0.05
A018276_01	At5g08100	asparaginase; protein id: At5g08100.1	0.269	0.618		0.563	0.592
A018277_01	At5g08180	nhp2-like protein; protein id: At5g08180.1	1.004	0.742		0.988	1.228
A018280_01	At5g37070	putative protein; protein id: At5g37070.1	-1.055	-1.321		-1.023	-1.447
A018297_01	At5g47190	putative protein; protein id: At5g47190.1	1.173	0.735		0.429	0.615
A018300_01	At5g08050	putative protein; protein id: At5g08050.1	0.418	0.607		0.16	0.005
A018304_01	At5g16310	ubiquitin C-terminal hydrolase-like protein; protein id: At5g16310.1	0.262	0.267		0.03	0.296
A018307_01	At5g55850	NOI protein, nitrate-induced; protein id: At5g55850.1	-1.038	-1.005		-0.377	-0.72
A018308_01	At5g16360	putative protein; protein id: At5g16360.1	-1.022	-0.984		-0.308	-0.454
A018312_01	At5g16505	expressed protein; protein id: At5g16505.1	0.05	0.171		0.402	0.244
A018314_01	At5g13570	unknown protein; protein id: At5g13570.1	-0.483	-0.737		-0.318	-0.675
A018315_01	At5g13610	putative protein; protein id: At5g13610.1	0.569	0.252		0.56	0.743
A018319_01	At5g41400	RING zinc finger protein-like; protein id: At5g41400.1	-1.667	NA	NA		-0.35
A018321_01	At5g41480	folylpolyglutamate synthase-like protein; protein id: At5g41480.1	0.23	-0.139	NA		0.271
A018323_01	At5g14050	putative protein; protein id: At5g14050.1	0.159	0.572		0.53	0.637
A018330_01	At5g42870	putative protein; protein id: At5g42870.1	-0.368	-0.307	NA		NA
A018334_01	At5g58330	NADP-dependent malate dehydrogenase; protein id: At5g58330.1	-0.364	-0.615		-0.438	-0.662
A018338_01	At5g55640	expressed protein; protein id: At5g55640.1	-0.419	-0.333		-0.169	-0.68
A018340_01	At5g55670	RRM-containing protein; protein id: At5g55670.1	-0.078	NA		-0.108	-0.413
A018343_01	At5g57280	protein carboxyl methylase-like; protein id: At5g57280.1	0.652	0.526		0.797	0.733
A018344_01	At5g57300	UUbE family; protein id: At5g57300.1	0.538	0.402		0.302	0.339
A018348_01	At5g56550	putative protein; protein id: At5g56550.1	-2.498	-2.716		-1.043	-1.628
A018349_01	At5g24030	putative protein; protein id: At5g24030.1	-0.19	-0.013		-0.393	-0.499
A018354_01	At5g67140	F-box protein family; protein id: At5g67140.1	-1.745	NA	NA		NA
A018355_01	At5g67150	anthranilate N-hydroxycinnamoyl/benzoyltransferase; protein id: At5g67150.1	1.252	0.873		0.987	1.171
A018357_01	At5g67210	putative protein; protein id: At5g67210.1	-0.226	0.197		-0.11	-0.429
A018358_01	At5g67220	putative protein; protein id: At5g67220.1	0.164	0.292		0.055	0.744
A018362_01	At5g39210	expressed protein; protein id: At5g39210.1	-0.458	NA		0.047	-0.922
A018371_01	At5g66810	putative protein; protein id: At5g66810.1	-0.366	NA	NA		-0.547

A018373_01	At5g60450	auxin response transcription factor 4; protein id: At5	0.028	-0.06	NA		0.387
A018377_01	At5g61510	quinone oxidoreductase - like protein; protein id: At5	0.211	0.163		0.234	0.069
A018384_01	At5g61560	putative protein; protein id: At5g61560.1	-0.421	NA	NA		-1.319
A018386_01	At5g48730	putative protein; protein id: At5g48730.1	-0.095	-0.078		-0.264	0.161
A018393_01	At5g50410	unknown protein; protein id: At5g50410.1	0.524	0.561		0.709	1.071
A018395_01	At5g40770	prohibitin (gb|AAC49691.1); protein id: At5g40770.1	0.912	0.939		0.554	1.086
A018397_01	At5g35460	putative protein; protein id: At5g35460.1	-0.67	-0.848		-0.402	-0.307
A018399_01	At5g40930	protein import receptor TOM20, mitochondrial-like; p	-0.099	-0.239		0.186	0.152
A018406_01	At5g54540	putative protein; protein id: At5g54540.1	-0.743	-0.982		-0.352	-0.789
A018411_01	At5g24680	putative protein; protein id: At5g24680.1	-0.578	-0.543	NA		-0.245
A018412_01	At5g59140	elongin - like protein; protein id: At5g59140.1	-0.411	-0.099		-0.052	-0.177
A018421_01	At5g50870	ubiquitin-conjugating enzyme-like protein; protein id	-0.044	0.132		0.344	0.407
A018423_01	At5g58120	disease resistance protein (TIR-NBS-LRR class), p	-1.899	NA		-1.169	-2.191
A018426_01	At5g53800	expressed protein; protein id: At5g53800.1	0.15	-0.044		-0.137	-0.398
A018427_01	At5g59400	putative protein; protein id: At5g59400.2	-1.355	-1.261		-0.643	-1.226
A018428_01	At5g59480	putative ripening-related protein - like; protein id: At5	1.195	0.814		1.197	1.607
A018432_01	At5g59550	putative protein; protein id: At5g59550.1	-0.694	-0.603		-0.027	-0.847
A018440_01	At5g47140	GATA zinc finger protein; protein id: At5g47140.1	-0.69	-0.78		-0.534	-0.034
A018442_01	At5g45110	regulatory protein NPR1-like; transcription factornhil	-0.388	-0.415		-0.315	-0.158
A018445_01	At5g48440	putative protein; protein id: At5g48440.1	0.671	0.621		0.641	0.821
A018446_01	At5g58470	RNA/ssDNA-binding protein - like; protein id: At5g58	-0.319	-0.174		-0.018	-0.76
A018448_01	At5g58490	cinnamoyl-CoA reductase - like protein; protein id: A	0.653	0.562		0.323	0.143
A018450_01	At5g48490	putative protein; protein id: At5g48490.1	0.546	0.395		0.356	-0.025
A018454_01	At5g42560	expressed protein; protein id: At5g42560.1	-0.294	-0.619	NA		-0.501
A018460_01	At5g48140	polygalacturonase, putative; protein id: At5g48140.1	-0.423	-0.573	NA	NA	
A018461_01	At5g56900	putative protein; protein id: At5g56900.1	-0.513	-0.309		-0.5	-0.396
A018466_01	At5g52210	GTP-binding protein-like; protein id: At5g52210.2	-0.024	0.131	NA		0.088
A018467_01	At5g52250	G-protein beta-subunit (transducin) family; protein id	-0.272	NA		0.588	0.291
A018477_01	At5g50680	ubiquitin activating enzyme; protein id: At5g50680.1	-0.091	-0.011		-0.07	0.074
A018480_01	At5g52520	prolyl tRNA synthetase; protein id: At5g52520.1	0.328	0.135		-0.214	0.084
A018484_01	At5g06130	putative protein; protein id: At5g06130.1	-0.281	-0.323		-0.216	-0.316
A018486_01	At5g23390	putative protein; protein id: At5g23390.1	-0.23	-0.63		-0.14	-0.447
A018488_01	At5g65660	expressed protein; protein id: At5g65660.1	-0.182	-0.151		0.079	-0.533
A018497_01	At5g01290	mRNA capping enzyme - like protein; protein id: At5	-0.18	-0.375		-0.231	-0.215
A018499_01	At5g54930	putative protein; protein id: At5g54930.1	-0.169	-0.313	NA		-0.046
A018500_01	At5g15910	putative protein; protein id: At5g15910.1	-0.02	-0.076		0.292	0.15
A018501_01	At5g54980	putative protein; protein id: At5g54980.1	-0.265	0.027		0.273	-0.594
A018502_01	At5g15930	plant adhesion molecule 1 (PAM1); protein id: At5g	0.038	0.301		-0.07	0.195
A018505_01	At5g03900	putative protein; protein id: At5g03900.1	-0.053	-0.397		-0.613	-0.324
A018506_01	At5g16070	TCP-1 chaperonin-like protein; protein id: At5g1607	1.07	0.815		0.864	1.536
A018510_01	At5g14970	seed maturation-like protein; protein id: At5g14970.	-0.748	-0.92		-0.719	-0.995
A018516_01	At5g15110	pectate lyase -like protein; protein id: At5g15110.1	-0.146	-0.536		-1.575	-1.411
A018517_01	At5g46020	expressed protein; protein id: At5g46020.1	-0.052	-0.456		0.075	0.198
A018518_01	At5g46150	membrane protein common family; protein id: At5g4	-0.161	-0.709	NA		-1.019
A018519_01	At5g16880	TOM (target of myb1) -like protein; protein id: At5g1	-0.553	-1.037		-0.522	-0.592
A018520_01	At5g06290	2-cys peroxiredoxin-like protein; protein id: At5g062	0.658	0.99		0.293	0.137
A018522_01	At5g06340	diadenosine 5,5'-P1,P4-tetraphosphate hydrolase-lik	0.147	-0.018		0.221	-0.076
A018523_01	At5g06350	cytochrome p450, putative; protein id: At5g38450.1	0.245	0.09	NA		0.474
A018528_01	At5g59610	putative protein; protein id: At5g59610.1	0.177	NA	NA	NA	
A018530_01	At5g59650	serine/threonine-specific protein kinase - like; protei	-0.218	-0.189	NA		-0.211
A018531_01	At5g59750	GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4	-0.901	NA		-1.21	-1.701
A018533_01	At5g16660	putative protein; similar to unknown protein (gb|AAF	-0.254	-0.056		-0.667	-0.899
A018536_01	At5g17690	chromo domain protein; protein id: At5g17690.1	0.175	-0.089	NA		0.349
A018545_01	At5g63410	leucine-rich repeat transmembrane protein kinase, p	0.667	0.257		0.39	1.27
A018554_01	At5g43130	putative protein; protein id: At5g43130.1	-0.215	-0.358		-0.813	-1.12
A018560_01	At5g17610	expressed protein; protein id: At5g17610.1	-0.101	0.195		-0.011	-0.623
A018561_01	At5g64270	nuclear protein-like; protein id: At5g64270.1	-0.258	-0.533		0.005	0.075
A018563_01	At5g64380	fructose-bisphosphatase-like; protein id: At5g64380	-0.016	NA		0.041	-0.093
A018564_01	At5g04880	unknown protein; protein id: At5g04880.1	-1.138	-1.161		-0.682	-1.024
A018566_01	At5g63010	unknown protein; protein id: At5g63010.1	0.14	NA	NA		0.099
A018568_01	At5g15550	G-protein beta family; protein id: At5g15550.1	0.045	NA		0.517	0.308
A018575_01	At5g16180	putative protein; protein id: At5g16180.1	-0.174	-0.301		-0.514	-0.533
A018581_01	At5g52450	efflux family protein, putative; protein id: At5g52450	-1.264	-1.371		-1.047	-1.5
A018583_01	At5g36250	protein phosphatase 2C PP2C; protein id: At5g3625	-0.477	-0.625		-0.216	-0.278
A018587_01	At5g60050	putative protein; protein id: At5g60050.1	-0.375	-0.56	NA	NA	
A018589_01	At5g01970	putative protein; protein id: At5g01970.1	0.345	0.248	NA		0.579
A018590_01	At5g01960	expressed protein; protein id: At5g01960.1	-0.513	-0.866		-0.339	-0.659
A018591_01	At5g59210	putative protein; protein id: At5g59210.1	-0.34	-0.255		-0.067	0.132

A018598_01	At5g53250	arabinogalactan-protein, putative (AGP22); protein i	NA	NA	NA	
A018600_01	At5g62350	ripening-related protein - like; protein id: At5g62350	0.818	0.554	-0.683	-0.403
A018604_01	At5g14800	pyrroline-5-carboxylate reductase; protein id: At5g14	0.207	0.284	0.219	0.364
A018607_01	At5g54530	putative protein; protein id: At5g54530.1	-1.405	-1.003	-0.722	-1.99
A018613_01	At5g03530	putative protein; protein id: At5g03530.1	-0.057	-0.141	0.658	0.985
A018617_01	At5g42300	ubiquitin-like protein; protein id: At5g42300.1	-0.172	-0.225	-0.15	-0.688
A018618_01	At5g23090	TATA-binding protein-associated phosphoprotein D	-1.09	-0.727	-0.316	0.044
A018620_01	At5g19570	putative protein; protein id: At5g19570.1	0.458	0.687	0.601	0.5
A018621_01	At5g63340	unknown protein; protein id: At5g63340.1	-0.016	-0.088	0.001	-0.019
A018625_01	At5g12400	putative protein; protein id: At5g12400.1	-2.554	-2.886	-1.231	-2.508
A018628_01	At5g07920	diacylglycerol kinase (ATDGK1); protein id: At5g079	-0.421	-0.429	-0.529	-0.816
A018630_01	At5g05860	glucuronosyl transferase-like protein; protein id: At5	-0.728	-0.91	-0.708	-0.91
A018635_01	At5g61980	GCN4-complementing protein - like; protein id: At5g	0.675	0.757	0.271	-0.292
A018637_01	At5g52630	selenium-binding protein-like; protein id: At5g52630	-1.242	-1.474	-1.08	-1.38
A018638_01	At5g46220	putative protein; protein id: At5g46220.1	1.338	1.33	0.934	1.315
A018647_01	At5g57930	putative protein; protein id: At5g57930.1	0.322	0.604	0.281	0.142
A018649_01	At5g37490	putative protein; protein id: At5g37490.1	-0.052	-0.029	0.145	0.462
A018652_01	At5g53840	F-box protein family, AtFBL13; protein id: At5g5384 NA	NA		-0.103	-0.302
A018655_01	At5g52950	putative protein; protein id: At5g52950.1	-1.616 NA		-1.067	-1.334
A018662_01	At5g35540	putative protein; protein id: At5g35540.1	1.503	1.2	0.69	1.021
A018663_01	At5g50020	putative protein; protein id: At5g50020.1	0.411	0.257	0.308	0.403
A018665_01	At5g35475	similar to Ac-like transposase; protein id: At5g35475	-1.274	-1.171	-0.758	-0.457
A018666_01	At5g35470	unknown protein; protein id: At5g35470.1	0.091 NA	NA		-0.355
A018667_01	At5g17970	disease resistance protein (TIR-NBS-LRR class), pr	-0.419	-0.184	-0.079	-0.354
A018672_01	At5g35170	adenylate kinase -like protein; protein id: At5g35170	-1.519	-1.137	-0.428	-0.838
A018673_01	At5g01920	putative protein; protein id: At5g01920.1	-1.9	-1.938	-1.037	-1.415
A018675_01	At5g53540	26S proteasome regulatory particle chain RPT6-like	0.315 NA		0.12	-0.122
A018678_01	At5g55560	putative protein; protein id: At5g55560.1	0.381	0.354	0.462	0.833
A018682_01	At5g53640	heat shock transcription factor HSF30-like protein; p	-0.861	-0.885	-0.391	-0.025
A018686_01	At5g52640	heat-shock protein; protein id: At5g52640.1	0.034	-0.252	0.006	-0.832
A018687_01	At5g45850	putative protein; protein id: At5g45850.1	-2.216 NA	NA	NA	
A018688_01	At5g66390	peroxidase, putative; protein id: At5g66390.1	-0.622	-0.626	-0.327	0.221
A018694_01	At5g22550	putative protein; protein id: At5g22550.1	1.177	0.823	0.66	1.235
A018696_01	At5g45940	putative protein; protein id: At5g45940.1	-0.642	-0.695	-0.696	-0.723
A018699_01	At5g06590	unknown protein; protein id: At5g06590.1	-1.131 NA	NA	NA	
A018707_01	At5g43980	putative protein; protein id: At5g43980.1	-0.188	-0.456	-0.366	-0.175
A018708_01	At5g59690	histone H4 - like protein; protein id: At5g59690.1	-0.593	-0.458	-0.201	-0.223
A018709_01	At5g44780	unknown protein; protein id: At5g44780.1	-1.146	-1.181	-0.53	-0.835
A018710_01	At5g54790	unknown protein; protein id: At5g54790.1	0.106	0.103	0.118	0.114
A018711_01	At5g44820	putative protein; protein id: At5g44820.1	0.735	0.574	-0.227	-0.623
A018712_01	At5g48870	U6 snRNA-associated Sm-like protein-like; protein i	0.545	0.345	0.23	0.665
A018714_01	At5g57020	N-myristoyl transferase; protein id: At5g57020.1	-0.16	-0.49	0.295	0.764
A018715_01	At5g10750	putative protein; protein id: At5g10750.1	-2.028	-2.314	-1.455	-1.656
A018717_01	At5g16300	low density lipoprotein B-like protein; protein id: At5	0.063	0.131	0.178	0.423
A018720_01	At5g46780	expressed protein; protein id: At5g46780.1	-0.395	-0.706	-0.237	-0.848
A018723_01	At5g22350	putative protein; protein id: At5g22350.1	-0.428	-0.676	-0.174	-0.121
A018737_01	At5g64310	arabinogalactan-protein (AGP1); protein id: At5g643	-0.061	0.098	0.011	-0.061
A018742_01	At5g36290	transmembrane protein FT27/PFT27-like; protein id	-0.07	-0.109	-0.296	-0.374
A018746_01	At5g48720	putative protein; protein id: At5g48720.1	-0.997 NA	NA	NA	
A018753_01	At5g05220	expressed protein; protein id: At5g05220.1	-0.649 NA		-0.832	-1.363
A018758_01	At5g41870	polygalacturonase, putative; protein id: At5g41870.1	0.734	-0.093	-0.139	-0.257
A018771_01	At5g44900	disease resistance protein (TIR class), putative; pro	-0.155 NA	NA		-0.771
A018772_01	At5g42140	TMV resistance protein-like; protein id: At5g42140.1	-0.408	-0.811	-0.345	-0.572
A018774_01	At5g44950	F-box protein; protein id: At5g44950.1	-0.762	-0.933	-0.11	0.009
A018778_01	At5g12940	leucine rich repeat protein family; protein id: At5g12	0.312	0.398	0.316	0.089
A018779_01	At5g45000	disease resistance protein (TIR class), putative; pro	-0.423	-0.644 NA		-0.434
A018781_01	At5g17670	putative protein; protein id: At5g17670.1	-1.24	-1.083	-1.343	-0.875
A018786_01	At5g60530	late embryonic abundant protein	-0.389	-0.851	-0.25	-0.309
A018793_01	At5g48460	fimbrin 2 (gb|AAB97844.1); protein id: At5g48460.1	0.038 NA	NA		-0.338
A018795_01	At5g65410	hypothetical protein common family; protein id: At5g	0.476	0.318	0.373	0.728
A018803_01	At5g65430	14-3-3 protein GF14 kappa (grf8); protein id: At5g65	1.624	0.798	0.727	1.203
A018807_01	At5g40200	DegP protease; protein id: At5g40200.1	0.798 NA		0.611	0.398
A018809_01	At5g15950	S-adenosylmethionine decarboxylase (adoMetDC2)	0.504	0.195	0.09	0.528
A018810_01	At5g13800	putative protein; protein id: At5g13800.1	-0.413	-0.423 NA		-0.633
A018812_01	At5g40280	farnesyltransferase beta subunit (ERA1) (protein far	-0.213	-0.163	0.212	0.48
A018814_01	At5g39220	putative protein; protein id: At5g39220.1	-0.078	-0.588	-0.044	0.064
A018815_01	At5g65990	amino acid transporter protein-like; protein id: At5g6	-0.486	-0.301	0.05	-0.589
A018816_01	At5g61190	putative protein; protein id: At5g61190.1	0.522	0.56 NA		0.162

A018818_01	At5g41700	E2, ubiquitin-conjugating enzyme 8 (UBC8); protein	-1.155	-1.232	-0.695	-0.363
A018819_01	At5g66050	unknown protein; protein id: At5g66050.1	-0.164 NA		0.064	-0.092
A018820_01	At5g41020	putative protein; protein id: At5g41020.1	-0.174	-0.63	-0.071	-0.04
A018823_01	At5g40960	putative protein; protein id: At5g40960.1	-2.45	-2.275	-0.932	-1.816
A018826_01	At5g12470	unknown protein	0.224	-0.099	0.52	0.469
A018827_01	At5g54870	putative protein; protein id: At5g54870.1	-1.741	-2.16	-1.303	-1.52
A018828_01	At5g57490	porin-like protein; protein id: At5g57490.1	0.35	0.125	0.303	0.223
A018832_01	At5g64200	unknown protein; protein id: At5g64200	0.215	0.157 NA		0.207
A018833_01	At5g46800	mitochondrial carrier protein family; protein id: At5g-	0.209	0.048	0.2	0.45
A018834_01	At5g64880	expressed protein; protein id: At5g64880.1	-0.842	-0.531	-0.253	-0.967
A018840_01	At5g40950	50S ribosomal protein L27; protein id: At5g40950.1	0.695	0.627	0.368	0.094
A018841_01	At5g57040	putative protein; protein id: At5g57040.1	-1.219	-0.994	-0.981	-1.408
A018842_01	At5g51400	putative protein; protein id: At5g51400.1	-0.14	-0.221	0.093	-0.599
A018844_01	At5g43940	alcohol dehydrogenase (EC 1.1.1.1) class III (pir||S)	0.75	0.497	0.711	1.168
A018848_01	At5g65000	putative protein; protein id: At5g65000.1	0.307	0.295	0.529	0.67
A018849_01	At5g39360	putative protein; protein id: At5g39360.1	-0.028	0.347	0.745	1.154
A018851_01	At5g65960	expressed protein; protein id: At5g65960.1	0.064	-0.048	-0.198	-0.11
A018852_01	At5g49650	xylulose kinase; protein id: At5g49650.1	-0.148	-0.307	-0.369	-0.604
A018862_01	At5g46840	RRM-containing protein; protein id: At5g46840.1	0.415	0.101	-0.376	-0.193
A018863_01	At5g23540	26S proteasome regulatory subunit (RPN11), putati	0.164	-0.061	0.143	0.454
A018864_01	At5g51300	splicing factor 1 (SF1), putative; protein id: At5g513	-0.274	-0.02	0.309	-0.135
A018867_01	At5g56600	profilin-like protein; protein id: At5g56600.1	0.309	0.271	0.269	0.32
A018869_01	At5g60670	60S ribosomal protein L12 - like; protein id: At5g606	1.017	1.194	1.128 NA	
A018871_01	At5g42360	putative protein; protein id: At5g42360.1	0.48	-0.021 NA		0.101
A018875_01	At5g56750	pollen specific protein SF21; protein id: At5g56750.	-0.386	-0.184	-0.817	-0.695
A018889_01	At5g65180	expressed protein; protein id: At5g65180.1	-0.036	-0.298	0.25	0.261
A018891_01	At5g20630	germin-like protein; protein id: At5g20630.1	0.984	1.103	1.528	2.022
A018894_01	At5g08120	putative myosin heavy chain	0.702	0.48	0.371	0.619
A018896_01	At5g23450	expressed protein; protein id: At5g23450.1	-0.276	-0.247	-0.763	-0.956
A018897_01	At5g65840	unknown protein; protein id: At5g65840.1	-0.13	-0.132	-0.207	-0.524
A018899_01	At5g52510	scarecrow transcriptional regulator-like; protein id: A	-0.256	-0.271 NA		0.035
A018904_01	At5g58575	putative protein; protein id: At5g58575.1	-0.612	-0.515 NA		-0.501
A018906_01	At5g50180	protein kinase ATN1-like protein; protein id: At5g50	0.389	-0.021	0.354	0.828
A018908_01	At5g12350	putative protein; protein id: At5g12350.1	0.073	-0.261 NA		-0.457
A018909_01	At5g64140	40S ribosomal protein S28 (sp|P34789); protein id: .	1.112	1.093	1.195	0.976
A018911_01	At5g19140	aluminium-induced protein - like; protein id: At5g19	-2.894	-2.717	-1.687	-2.288
A018912_01	At5g50250	chloroplast RNA-binding protein cp31, putative; prot	0.26	0.1	0.055	-0.157
A018914_01	At5g51830	fructokinase 1; protein id: At5g51830.1	-0.297	-0.152	-0.072	-0.218
A018915_01	At5g65440	putative protein; protein id: At5g65440.1	1.014	1.119	0.918	1.092
A018919_01	At5g58140	non phototropic hypocotyl 1-like; protein id: At5g581	-0.414	-0.504 NA		-0.245
A018920_01	At5g12210	geranylgeranyl transferase type II beta subunit (RAI	-0.335	-0.161	0.134	0.098
A018921_01	At5g49920	unknown protein; protein id: At5g49920.1	-0.235	-0.607 NA	NA	
A018922_01	At5g44340	putative tubulin beta-4 chain	0.606	0.482	0.495	0.78
A018924_01	At5g49990	permease; protein id: At5g49990.1	-0.38	-0.512	0.083	0.248
A018925_01	At5g46180	ornithine aminotransferase; protein id: At5g46180.1	-0.969	-1.071	-0.758	-0.689
A018931_01	At5g52100	dihydrodipicolinate reductase-like protein; protein id	0.421	0.301	-0.085	-0.17
A018932_01	At5g04140	ferredoxin-dependent glutamate synthase; protein ic	-0.577	-1.122	-0.535	-0.673
A018933_01	At5g13550	sulfate transporter; protein id: At5g13550.1	-0.942	-1.131	-0.918	-1.087
A018934_01	At5g58410	unknown protein; protein id: At5g58410.1	-1.136	-1.271	-1.081	-1.483
A018935_01	At5g50800	MtN3-like protein; protein id: At5g50800.1	-2.444	-2.271 NA	NA	
A018936_01	At5g63520	F-box protein family; protein id: At5g63520.1	-0.2	0.017	-0.069	-0.096
A018937_01	At5g41800	amino acid permease-like protein; proline transport	-2.521 NA	NA	NA	
A018942_01	At5g24520	Ttg1 protein (emb CAB45372.1); protein id: At5g24	-0.755	-0.933	-0.429	-0.308
A018949_01	At5g22270	putative protein; protein id: At5g22270.1	-1.652 NA		-0.504	-1.816
A018950_01	At5g39730	avirulence induced gene (AIG) - like protein; protein	0.292	0.144	0.088 NA	
A018952_01	At5g39590	putative protein; protein id: At5g39590.1	-0.813	-0.508	-0.81	-0.791
A018955_01	At5g36890	glycosyl hydrolase family 1; protein id: At5g36890.1	1.006	0.81	0.435	0.761
A018959_01	At5g11860	putative protein; protein id: At5g11860.1	-0.483	-0.768	-0.08	-0.291
A018961_01	At5g36950	DegP protease; protein id: At5g36950.1	0.758	0.592 NA		0.804
A018963_01	At5g38830	cysteine-tRNA ligase -like protein; protein id: At5g3	NA		-0.175	-0.013
A018964_01	At5g56180	putative protein; protein id: At5g56180.1	-0.862 NA		-0.795	-1.354
A018970_01	At5g38860	putative protein; protein id: At5g38860.1	0.159	-0.114 NA		0.421
A018973_01	At5g22360	synaptobrevin-like protein; protein id: At5g22360.1	0.071	-0.337	-0.399	-0.524
A018974_01	At5g23340	putative protein; protein id: At5g23340.1	-0.565	-0.888	-0.216	-0.167
A018975_01	At5g47650	MutT domain protein-like; protein id: At5g47650.1	-0.675	-0.77 NA		0.148
A018979_01	At5g47720	acetoacetyl-CoA-thiolase; protein id: At5g47720.1	-0.317 NA		-0.289	-0.336
A018982_01	At5g24450	putative protein; protein id: At5g24450.1	0.061	-0.133	-0.167	0.163
A018983_01	At5g27410	putative amino acid aminotransferase; protein id: At	0.141 NA	NA		0.59

A018986_01	At5g47640	putative protein; protein id: At5g47640.1	-1.673	-1.734	NA		-0.065
A018988_01	At5g42960	putative protein; protein id: At5g42960.1	0.371	0.341		0.362	0.506
A018991_01	At5g21940	unknown protein; protein id: At5g21940.1	-2.242	-1.446		-0.42	-0.745
A018992_01	At5g47890	NADH dehydrogenase 10.5K chain-like protein; pro	0.374	0.273		0.269	-0.189
A018998_01	At5g40710	zinc finger - like protein; protein id: At5g40710.1	0.071	NA		-0.082	-0.354
A019000_01	At5g67370	putative protein; protein id: At5g67370.1	-1.468	NA		-1.217	-1.527
A019002_01	At5g22460	putative protein; protein id: At5g22460.1	-0.09	-0.028		0.656	0.526
A019012_01	At5g39040	ABC transporter family protein; protein id: At5g3904	0.077	-0.159		-0.063	0.039
A019014_01	At5g47560	sodium-dicarboxylate cotransporter-like; protein id: .	-2.129	-1.837		-0.987	-2.016
A019017_01	At5g55030	putative protein; protein id: At5g55030.1	0.039	NA	NA		-1.086
A019021_01	At5g57360	F-box protein ZTL/LKP1/ADO1, AtFBX2b; protein id	-0.646	-0.626		-0.479	-0.713
A019022_01	At5g66090	expressed protein; protein id: At5g66090.1	0.185	0.573		-0.501	-1.27
A019026_01	At5g60570	putative protein; protein id: At5g60570.1	0.289	NA		0.192	0.263
A019027_01	At5g13980	glycosyl hydrolase family 38 (alpha-mannosidase); j	1.085	0.639		0.358	0.112
A019032_01	At5g66530	apospory-associated protein C-like; protein id: At5g	1.116	0.919		0.422	0.841
A019033_01	At5g16030	putative protein with poly glutamic acid stretch; prot	0.15	0.098	NA		0.24
A019040_01	At5g35590	20S proteasome alpha subunit A1 (PAA1); protein i	0.208	0.135		0.238	0.441
A019041_01	xxxx	b/t putative protein; protein id: At5g14310.1 and rib	0.837	0.848		0.285	0.699
A019043_01	At5g13820	H-protein promoter binding factor-1 (gb)AAC24592. NA		NA	NA	NA	
A019046_01	At5g57630	SNF1 related protein kinase-like protein; protein id:	-1.866	NA		-2.343	NA
A019047_01	At5g65900	DEAD/DEAH box RNA helicase protein, putative; pr	0.877	0.496		0.357	0.88
A019049_01	At5g19430	putative protein; protein id: At5g19430.1	-0.504	-0.428		0.192	0.026
A019050_01	At5g27560	putative protein; protein id: At5g27560.1	-0.195	-0.048		-0.362	-0.23
A019053_01	At5g41520	putative protein; protein id: At5g41520.1	0.255	0.382		0.536	0.53
A019057_01	At5g43260	expressed protein; protein id: At5g43260.1	-2.309	-1.8		-1.191	-2.316
A019059_01	At5g41560	unknown protein; protein id: At5g41560.1	0.037	-0.6		0.277	-0.762
A019060_01	At5g20900	putative protein; protein id: At5g20900.1	-0.502	-0.633		-0.337	-0.296
A019064_01	At5g36170	translation releasing factor RF-2; protein id: At5g36	0.008	0.109		-0.006	0.149
A019068_01	At5g10570	bHLH protein; protein id: At5g10570.1	0.021	NA	NA		-0.752
A019074_01	At5g09570	putative protein; protein id: At5g09570.1	0.856	NA		0.745	1.041
A019081_01	At5g15360	putative protein; protein id: At5g15360.1	-0.094	-0.019		0.12	-0.072
A019086_01	At5g15140	putative aldose 1-epimerase - like protein; protein ic	-0.499	-0.692		-1.18	-1.367
A019089_01	At5g16715	valine--tRNA ligase-like protein; protein id: At5g167	0.656	0.486		-0.047	-0.003
A019092_01	At5g35220	putative protein; protein id: At5g35220.1	0.153	-0.017		0.023	0.168
A019094_01	At5g35110	putative protein; protein id: At5g35110.1	-0.547	-0.452	NA	NA	
A019098_01	At5g16400	thioredoxin f2 (gb)AAD35004.1); protein id: At5g164	0.375	0.176		0.084	-0.303
A019106_01	At5g58230	WD-40 repeat protein MSI1 (sp)O22467); also highl	0.746	0.417		0.587	1.138
A019110_01	At5g03280	putative protein; protein id: At5g03280.1	-0.606	-0.518		-0.363	-0.094
A019116_01	At5g08060	unknown protein; protein id: At5g08060	0.389	0.455		0.424	-0.082
A019127_01	At5g61130	glycosyl hydrolase family 17; protein id: At5g61130.	1.59	1.303		1.023	1.089
A019139_01	At5g67110	putative protein; protein id: At5g67110.1	-1.109	-0.889		0.063	-0.083
A019143_01	At5g21920	unknown protein; protein id: At5g21920.1	0.748	0.699		0.35	-0.204
A019145_01	At5g22740	glucosyltransferase-like protein; protein id: At5g227.	1.401	1.111		0.978	1.176
A019146_01	At5g27210	putative protein; protein id: At5g27210.1	0.078	0.008		0.248	0.507
A019151_01	At5g15750	ribosomal protein-like; protein id: At5g15750.1	0.455	0.333		0.7	0.908
A019155_01	At5g15730	serine/threonine-specific protein kinase-like protein;	0.125	0.032		0.091	0.017
A019171_01	At5g54680	bHLH protein; protein id: At5g54680.1	-0.342	NA		0.038	-0.23
A019174_01	At5g54730	putative protein; protein id: At5g54730.1	-2.214	NA		-1.249	-2.289
A019181_01	At5g64160	expressed protein; protein id: At5g64160.1	0.037	NA		0.138	-0.397
A019186_01	At5g13140	putative protein; protein id: At5g13140.1	1.31	0.98		0.867	0.916
A019187_01	At5g60960	putative protein; protein id: At5g60960.1	0.875	0.686		0.527	1.038
A019188_01	At5g13090	putative protein; protein id: At5g13090.1	-0.458	-0.381		0.001	-0.637
A019192_01	At5g09330	putative protein; protein id: At5g09330.1	0.069	-0.256		0.194	0.24
A019196_01	At5g09230	SIR2-family protein; protein id: At5g09230.1	0.085	-0.023	NA		0.174
A019200_01	At5g62980	dihydroneopterin aldolase-like protein; protein id: At	0.155	0.401		0.291	-0.438
A019206_01	At5g16270	putative protein; protein id: At5g16270.1	-0.078	-0.429		-0.083	0.075
A019211_01	At5g10780	putative protein; protein id: At5g10780.1	-0.547	-0.281		-0.105	-0.552
A019213_01	At5g51180	unknown protein	-1.254	-1.857		-0.619	-0.614
A019216_01	At5g11390	putative protein; protein id: At5g11390.1	-0.172	-0.563	NA		-0.148
A019229_01	At5g45360	F-box protein family; protein id: At5g45360.1	-0.376	-0.639		-0.325	-0.239
A019231_01	At5g58130	putative protein; protein id: At5g58130.1	0.055	0.238	NA		-0.461
A019244_01	At5g59560	putative protein; protein id: At5g59560.1	0.224	0.119		0.206	0.472
A019247_01	At5g06860	polygalacturonase inhibiting protein (PGIP1); protei	-1.983	NA		-1.455	-1.614
A019249_01	At5g60910	MADS-box protein; protein id: At5g60910.1	-0.543	-0.942		-0.473	-0.332
A019252_01	At5g11060	homeobox protein knotted-1 like 4 (KNAT4); protein	-1.984	-2.006		-1.516	-1.405
A019253_01	At5g51880	expressed protein; protein id: At5g51880.1	-0.201	-0.264		0.03	-0.114
A019255_01	At5g60620	putative protein; protein id: At5g60620.1	-0.176	-0.076		-0.291	0.055
A019261_01	At5g55230	putative protein; protein id: At5g55230.1	0.875	0.801		0.534	0.723

A019274_01	At5g66440	putative protein; protein id: At5g66440.1	NA	-0.934	-0.077	-0.258
A019281_01	At5g14420	putative protein; protein id: At5g14420.1	-0.708	-0.702 NA	-0.61	
A019289_01	At5g14240	putative protein; protein id: At5g14240.1	0.279	0.452	0.238	-0.076
A019291_01	At5g46580	putative protein; protein id: At5g46580.1	0.878	0.478	0.2	0.551
A019293_01	At5g11560	putative protein; protein id: At5g11560.1	0.44 NA		-0.181	-0.181
A019301_01	At5g47040	Lon protease homolog 1 precursor; protein id: At5g47040.1	-0.713	-0.678	-1.209	-1.692
A019303_01	At5g56130	putative protein; protein id: At5g56130.1	0.356 NA		0.179	-0.013
A019305_01	At5g37300	putative protein; protein id: At5g37300.1	1.015	0.704	1.483	2.165
A019308_01	At5g11740	arabinogalactan-protein (AGP15); protein id: At5g11740.1	0.054	-0.026	0.208	-0.19
A019312_01	At5g53170	FtsH protease, putative; protein id: At5g53170.1	-0.27	-0.796	-0.772	-0.447
A019318_01	At5g11670	NADP dependent malic enzyme - like protein; protein id: At5g11670.1	-0.228	-0.41	-0.468	-0.79
A019324_01	At5g23310	iron superoxide dismutase (FSD3); protein id: At5g23310.1	1.09	1.181	0.875	1.379
A019325_01	At5g16010	steroid 5alpha-reductase-like protein; protein id: At5g16010.1	0.638	0.738	-0.227	-0.628
A019326_01	At5g23330	expressed protein; protein id: At5g23330.1	0.061	0.11 NA		-0.065
A019328_01	At5g11910	putative esterase - like protein; protein id: At5g11910.1	-0.487	-0.749	-0.411	-0.127
A019330_01	At5g14910	putative protein; protein id: At5g14910.1	0.459	0.56	0.189	0.055
A019331_01	At5g14940	oligopeptide transporter -like protein; protein id: At5g14940.1	NA	NA	NA	NA
A019336_01	At5g12230	unknown protein; protein id: At5g12230.1	-0.45	-0.79	-0.21	-0.454
A019338_01	At5g14680	putative protein; protein id: At5g14680.1	-0.549	-0.636	-0.313	-0.539
A019340_01	At5g14660	putative protein; protein id: At5g14660.1	NA	0.532	0.191	0.165
A019343_01	At5g35730	expressed protein; protein id: At5g35730.1	0.414	0.456	0.075	0.369
A019353_01	At5g63210	putative protein; protein id: At5g63210.1	0.139 NA	NA	NA	NA
A019356_01	At5g07100	WRKY family transcription factor; protein id: At5g07100.1	NA	NA	NA	NA
A019358_01	At5g13400	peptide transporter - like protein; protein id: At5g13400.1	0.24	0.394	0.11	0.055
A019361_01	At5g16680	putative protein; protein id: At5g16680.1	-0.595	-0.91	-0.33	-0.762
A019367_01	At5g16780	putative protein; protein id: At5g16780.1	0.341	-0.003	-0.012	-0.042
A019372_01	At5g14710	putative protein; protein id: At5g14710.1	-0.314	-0.115	0.076	-0.568
A019383_01	At5g14880	putative cation transport protein; protein id: At5g14880.1	-1.446	-1.311	-1.052	-1.481
A019387_01	At5g17400	ADP/ATP translocase-like protein; protein id: At5g17400.1	-0.057 NA	NA	NA	NA
A019395_01	At5g39400	PTEN -like protein; protein id: At5g39400.1	-0.69	-0.546 NA	NA	NA
A019398_01	At5g04430	KH domain protein Nova, putative; protein id: At5g04430.1	0.769	0.602	0.34	0.346
A019400_01	At5g18110	eukaryotic cap-binding protein (gbl)AAC17220.1); protein id: At5g18110.1	-0.216	-0.31	0.02	-0.134
A019403_01	At5g15400	ubiquitin-fusion degradation protein-like; protein id: At5g15400.1	0.07	-0.582 NA		-0.276
A019407_01	At5g15450	HSP100/ClpB, putative; protein id: At5g15450.1	0.41	-0.039	-0.328	0.019
A019411_01	At5g18250	putative protein; protein id: At5g18250.1	-0.546 NA		0.001	-0.469
A019414_01	At5g03900	putative protein; protein id: At5g03900.1	-0.411	-0.363	-0.354	-0.381
A019419_01	At5g03540	putative protein; protein id: At5g03540.1	0.063	-0.36	-0.458	-0.282
A019423_01	At5g52360	actin depolymerizing factor-like; protein id: At5g52360.1	-0.412 NA	NA	NA	NA
A019424_01	At5g03490	putative protein; protein id: At5g03490.1	NA	NA	-0.88 NA	NA
A019425_01	At3g12580	heat shock protein 70; protein id: At3g12580.1	-1.866	-1.499	-0.22	0.301
A019428_01	At3g50530	CDPK-related protein kinase; protein id: At3g50530.1	0.205	0.088	0.37	0.917
A019429_01	At2g47800	glutathione-conjugate transporter AtMRP4; protein id: At2g47800.1	-2.163	-1.865 NA		-0.461
A019431_01	At5g35790	glucose-6-phosphate dehydrogenase; protein id: At5g35790.1	-0.249	-0.595	-0.405	-0.219
A019436_01	At5g13490	adenosine nucleotide translocator; protein id: At5g13490.1	0.268	0.599	0.194	0.494
A019438_01	At1g25490	phosphoprotein phosphatase 2A, regulatory subunit	0.198	0.22	0.221	0.47
A019442_01	At2g47580	small nuclear ribonucleoprotein U1A; protein id: At2g47580.1	0.798	0.915 NA		0.331
A019443_01	At1g09760	putative U2 small nuclear ribonucleoprotein A (U2 S	0.533	0.606	0.592	0.986
A019444_01	At3g08690	E2, ubiquitin-conjugating enzyme 11 (UBC11); prote	-1.434	-0.952	-0.589	-0.437
A019445_01	not annotated	between At2g02750 and At2g02760: Chr2 W/77282	-0.606	-0.643	-0.283	-0.515
A019447_01	At1g68990	DNA-directed RNA polymerase; protein id: At1g68990.1	0.476	0.619	0.832	1.374
A019451_01	At1g64060	cytochrome b245 beta chain homolog RbohAp108,	-2.312	-1.829	-1.202	-0.696
A019456_01	At1g10210	putative mitogen-activated protein kinase, MAP Kin	-0.613 NA		-0.842	-0.876
A019457_01	At2g18170	MAP kinase (ATMPK7); protein id: At2g18170.1	-0.956	-0.63	-1.034	-0.764
A019458_01	At4g27180	kinesin-like protein B (katB); protein id: At4g27180.1	0.343	0.172	0.452	1.038
A019460_01	At5g03730	compared to genome	-0.375	-0.354	-0.516	-0.964
A019461_01	At3g50500	protein kinase SPK-2; protein id: At3g50500.1	-0.475	-0.502	-0.494	-0.506
A019465_01	At1g72750	inner mitochondrial membrane protein; protein id: A	-0.043 NA		0.096	-0.416
A019466_01	At5g54250	cyclic nucleotide-regulated ion channel (CNGC4); p	-1.367	-1.408	-1.237	-1.641
A019469_01	At4g34870	peptidylprolyl isomerase (cyclophilin); protein id: At4	0.734	0.798	0.745	0.876
A019472_01	At1g65480	flowering signals mediating protein FT; protein id: A	-3.619	-3.627	-2.967	-4.124
A019474_01	At1g55560	pectinesterase (pectin methylesterase) family; prote	-0.874	-0.776	-1.506	-1.456
A019475_01	At3g19960	myosin; protein id: At3g19960.1	0.21	-0.181	-0.044	-0.321
A019480_01	At3g57490	40S ribosomal protein S2 homolog; protein id: At3g57490.1	0.877	0.883	0.96	1.341
A019485_01	At3g46970	starch phosphorylase, putative; protein id: At3g46970.1	0.915	0.863	0.499	0.803
A019491_01	At3g59970	methylenetetrahydrofolate reductase MTHFR1; prot	1.156	1.015	0.869	1.492
A019493_01	At3g54020	putative protein; protein id: At3g54020.1	-0.094 NA	NA		0.26
A019495_01	At4g37270	Cu2+-transporting ATPase-like protein; protein id: A	-0.073 NA		-0.564	-0.383
A019496_01	At1g09210	putative calcium-binding protein, calreticulin; proteir	1.228	1.11	1.045	1.29

A019497_01	At3g15350	N-acetylglucosaminyltransferase family (Core-2/I-Br	-0.347	-0.315	NA		0.037
A019500_01	At4g32210	putative protein; protein id: At4g32210.1	-0.307	NA		0.222	-0.352
A019502_01	At2g26250	beta-ketoacyl-CoA synthase (FIDDLEHEAD); protei	0.163	0.081		0.022	-0.04
A019505_01	At4g28440	putative protein; protein id: At4g28440.1	0.313	0.382		0.458	0.463
A019510_01	At4g19640	GTP-binding protein, putative; protein id: At4g19640	-0.881	-1.028		-0.569	-0.462
A019513_01	At4g32250	putative protein; protein id: At4g32250.1	-0.776	-0.976		-0.217	-0.383
A019514_01	At4g32240	putative protein; protein id: At4g32240.1	-0.037	0.226		0.277	-0.175
A019515_01	At4g17840	expressed protein; protein id: At4g17840.1	-1.852	-2.024		-0.917	-1.682
A019517_01	At4g18030	putative protein; protein id: At4g18030.1	0.919	0.571		0.46	0.782
A019520_01	At4g21900	putative protein; protein id: At4g21900.1	-0.862	-0.483	NA		NA
A019521_01	At4g21190	putative protein; protein id: At4g21190.1	0.398	0.093		-0.082	-0.13
A019524_01	At4g34990	myb family transcription factor; protein id: At4g3499	-0.018	-0.011		0.71	1.027
A019525_01	At4g35040	bZIP protein; protein id: At4g35040.1	-0.164	-0.27	NA		-0.002
A019526_01	At4g35110	putative protein; protein id: At4g35110.1	NA	NA		-1.18	-1.724
A019531_01	At4g34710	arginine decarboxylase SPE2; protein id: At4g34710	NA	NA		0.083	0.374
A019532_01	At4g19690	Fe(II) transport protein; protein id: At4g19690.1	1.034	-0.391		1.185	1.41
A019537_01	At4g33780	putative protein; protein id: At4g33780.2	-0.148	-0.301	NA		-0.285
A019538_01	At4g33790	male sterility 2-like protein; protein id: At4g33790.1	0.878	0.764		1.498	2.254
A019543_01	At4g23600	tyrosine transaminase like protein; protein id: At4g2	0.5	0.425		-0.441	-0.558
A019544_01	At4g25170	putative protein; protein id: At4g25170.1	-1.625	-1.769		-0.747	-1.044
A019556_01	At4g37760	squalene epoxidase-like protein; protein id: At4g377	-0.495	NA		-0.695	-0.682
A019557_01	At4g37830	putative protein; protein id: At4g37830.1	-0.253	-0.076		0.216	0.126
A019559_01	At4g26270	pyrophosphate-dependent phosphofructo-1-kinase	0.106	0.294	NA		0.085
A019560_01	At4g26060	putative protein; protein id: At4g26060.1	-1.548	NA		NA	NA
A019562_01	At4g31840	putative protein; protein id: At4g31840.1	1.817	1.697		1.215	1.923
A019566_01	At4g12600	ribosomal protein L7Ae -like; protein id: At4g12600.	1.156	1.227		1.15	1.249
A019568_01	At4g32560	putative protein; protein id: At4g32560.1	-0.139	0.001		0.051	0.189
A019571_01	At4g26640	WRKY family transcription factor; protein id: At4g26	-0.153	-0.336		-0.241	0.132
A019572_01	At4g23850	acyl-CoA synthetase - like protein; protein id: At4g2	-0.254	-0.642		-0.997	-0.919
A019573_01	At4g23920	UDPglucose 4-epimerase - like protein; protein id: A	-0.401	NA	NA		NA
A019575_01	At4g29080	putative phytochrome-associated protein 2; protein	-0.868	-0.806		-0.182	-0.094
A019576_01	At4g29100	putative protein; protein id: At4g29100.1	-1.055	NA		-0.625	-1.08
A019578_01	At4g20860	FAD-linked oxidoreductase family; protein id: At4g2	NA	NA	NA		NA
A019579_01	At4g01210	hypothetical protein; protein id: At4g01210.1	0.385	NA		-0.135	-0.409
A019580_01	At4g01410	synaptobrevin VAMP713; protein id: At4g01410.1	0.225	0.37		0.581	0.629
A019582_01	At4g03600	expressed protein; protein id: At4g03600.1	NA	NA	NA		NA
A019583_01	At4g04210	putative membrane trafficking factor; protein id: At4	-0.46	-0.764		-0.074	-0.493
A019584_01	At4g05020	coded for by A. thaliana cDNA W43435; protein id: .	-0.626	-0.379		0.128	0.431
A019585_01	At4g05390	ferredoxin--NADP+ reductase - like protein; protein i	0.35	0.005		0.148	0.24
A019587_01	At4g09030	arabinogalactan-protein (AGP10); protein id: At4g09	-1.135	-0.678		-0.106	-0.498
A019589_01	At4g15415	expressed protein; protein id: At4g15415.1	-0.117	-0.228		0.217	0.441
A019590_01	At4g15420	UFD1 like protein; protein id: At4g15420.1	-0.129	-0.346		-0.109	-0.013
A019591_01	At4g15440	hydroperoxide lyase (HPOL) like protein; protein id:	0.406	0.334		0.527	0.581
A019592_01	At4g16070	hypothetical protein; protein id: At4g16070.1	-0.661	-0.524	NA		-0.275
A019597_01	At4g29260	acid phosphatase-like protein; protein id: At4g29260	0.234	0.324		0.233	0.243
A019602_01	At5g01620	putative protein; protein id: At5g01620.1	0.872	0.945		0.898	1.697
A019604_01	At3g60600	putative protein; protein id: At3g60600.1	-0.452	-0.385		-0.007	-0.108
A019606_01	At3g60640	AtAPG8g; putative protein; protein id: At3g60640.1	-0.853	-0.695		0.103	-0.373
A019608_01	At3g45970	putative protein; protein id: At3g45970.1	-1.061	-1.117		-0.496	-0.1
A019609_01	At5g03630	monodehydroascorbate reductase, putative; protein	-0.064	NA		0.288	0.566
A019611_01	At5g02230	putative protein; protein id: At5g02230.1	-1.406	-1.443		-0.253	-0.505
A019612_01	At3g62580	putative membrane protein; protein id: At3g62580.1	-0.062	-0.144		0.084	-0.161
A019614_01	xxxx	b/t At5g03400.1 putative protein and At5g03410.1D	0.215	0.106		0.184	0.285
A019615_01	At5g04510	3-phosphoinositide-dependent protein kinase-1 PDk	0.574	0.448	NA		0.662
A019617_01	At5g04770	amino acid transport - like protein; protein id: At5g0	-0.903	-0.834		-0.231	-0.908
A019618_01	At5g03030	DnaJ protein - like; protein id: At5g03030.1	0.111	NA		0.22	-0.054
A019619_01	At3g56150	probable eukaryotic translation initiation factor 3 sut	-0.074	-0.119		0.076	0.272
A019621_01	At5g12840	CCAAT box binding factor/ transcription factor Hap2	-0.353	NA	NA		-0.44
A019625_01	At1g04120	ABC transporter family protein; protein id: At1g0412	0.264	-0.13		0.345	0.287
A019626_01	At3g51820	chlorophyll synthetase; protein id: At3g51820.1	0.177	0.046		-0.06	0.183
A019630_01	At3g16780	putative ribosomal protein; protein id: At3g16780.1	1.173	1.01		0.92	0.552
A019632_01	At3g24315	expressed protein; protein id: At3g24315.1	0.305	0.166		0.204	0.395
A019633_01	At3g22850	unknown protein; protein id: At3g22850.1	0.695	0.786	NA		1.126
A019635_01	At3g22320	RNA polymerase I, II and III 24.3 kDa subunit; prote	0.249	-0.082		0.189	0.354
A019636_01	xxxx	b/t protein phosphatase 2A regulatory subunit isofor	-1.413	-0.857		-1.007	-0.205
A019638_01	At3g25220	immunophilin (FKBP15-1); protein id: At3g25220.1	1.041	0.867		0.805	0.79
A019640_01	At5g41060	putative protein; protein id: At5g41060.1	1.324	1.252		1.001	1.542
A019641_01	At3g28900	60S ribosomal protein L34, putative; protein id: At3g	1.175	0.952		0.848	0.773

A019642_01	At5g48880	3-keto-acyl-CoA thiolase 2 (gb|AAC17877.1); protei	1.375	NA		0.81	1.286
A019645_01	At5g50430	ubiquitin conjugating enzyme-like protein; protein id	-0.265		-0.261	0.005	-0.08
A019649_01	At5g43970	putative protein; protein id: At5g43970.1	0.676		1.008	0.798	0.544
A019650_01	At5g55180	glycosyl hydrolase family 17; protein id: At5g55180.	0.764		1.051	0.063	-0.183
A019654_01	At5g67600	expressed protein; protein id: At5g67600.1	-0.731		-0.61	0.194	-0.372
A019655_01	At5g53570	GTPase activator protein of Rab-like small GTPase	-0.338	NA		NA	-0.1
A019659_01	At5g51640	putative protein; protein id: At5g51640.1	-0.962		-0.926	NA	-0.832
A019662_01	At5g47680	putative protein; protein id: At5g47680.1	0.788		0.715	0.45	0.332
A019663_01	At3g23570	expressed protein; protein id: At3g23570.1	-1.388	NA		-1.012	-1.646
A019666_01	At3g21190	expressed protein; protein id: At3g21190.1	0.876		0.453	0.434	0.833
A019668_01	At3g19030	expressed protein; protein id: At3g19030.1	-2.374		-2.214	-1.381	-2.849
A019672_01	At5g04940	SET-domain protein-like; protein id: At5g04940.1	0.444		0.502	0.109	1.15
A019674_01	At5g61060	histone deacetylase-like protein	-0.035		-0.301	-0.191	0.063
A019675_01	At5g61840	putative protein; protein id: At5g61840.1	0.298		0.158	0.047	0.008
A019677_01	At5g49230	drought-induced protein Di19-like protein; protein id	-0.216		0.022	NA	0.312
A019678_01	At5g43580	unknown protein; protein id: At5g43580.1	NA	NA		NA	NA
A019679_01	At5g43600	N-carbamyl-L-amino acid amidohydrolase-like prote	0.079		-0.415	-0.369	-0.341
A019680_01	At5g24420	6-phosphogluconolactonase-like protein; protein id:	1.893		1.469	1.056	1.774
A019681_01	At5g61450	putative protein; protein id: At5g61450.1	-0.27		-0.439	0	0.365
A019683_01	At5g52960	putative protein; protein id: At5g52960.1	0.4		0.535	0.259	-0.292
A019684_01	At5g52970	thylakoid lumen 15.0-kDa protein; protein id: At5g52	0.511		0.679	-0.012	-0.319
A019686_01	At5g53030	putative protein; protein id: At5g53030.1	-1.835	NA		-0.914	NA
A019691_01	At5g38630	cytochrome b-561 (gb|AAD45585.1); protein id: At5	0.043	NA		0.059	0.201
A019692_01	At5g63580	flavonol synthase; protein id: At5g63580.1	-3.142	NA		NA	NA
A019695_01	At5g63640	putative protein; protein id: At5g63640.1	-0.526		-0.732	-0.786	-0.476
A019698_01	At5g63790	putative protein; protein id: At5g63790.1	-2.665		-2.6	-1.474	-1.785
A019699_01	At5g44090	protein phosphatase 2A 62 kDa B regulatory subuni	-0.552		-0.535	NA	-0.712
A019707_01	At5g22850	protease-like protein; protein id: At5g22850.1	-0.248	NA		NA	-0.139
A019710_01	At5g23900	60S ribosomal protein L13; protein id: At5g23900.1	0.51		0.664	0.819	1.122
A019712_01	At5g08520	putative protein; protein id: At5g08520.1	-0.391		-0.126	-0.294	-0.528
A019713_01	At5g08530	NADH dehydrogenase; protein id: At5g08530.1	0.296		0.2	-0.307	-0.054
A019714_01	At5g08540	putative protein; protein id: At5g08540.1	0.41		0.41	0.235	0.311
A019718_01	At5g53880	expressed protein; protein id: At5g53880.1	0.678		0.371	0.71	0.563
A019719_01	At5g53940	zinc-binding protein-like; protein id: At5g53940.1	0.179		0.236	0.093	-0.317
A019724_01	At5g44580	expressed protein; protein id: At5g44580.1	-2.563		-2.696	-1.157	-2.019
A019725_01	At5g54510	auxin-responsive-like protein; protein id: At5g54510	-0.792		-0.686	NA	-0.398
A019726_01	At5g43760	beta-ketoacyl-CoA synthase; protein id: At5g43760.	-0.099	NA		NA	-0.228
A019730_01	At5g54280	myosin heavy chain; protein id: At5g54280.1	-0.302		-0.14	NA	0.505
A019732_01	At5g56630	pyrophosphate-dependent phosphofructo-1-kinase-I	0.587		0.748	0.235	0.913
A019733_01	At5g65270	GTP-binding protein, putative; protein id: At5g65270	0.49		0.422	0.597	0.857
A019734_01	At5g62470	MYB96 transcription factor-like protein; protein id: A NA	NA	NA		NA	0.196
A019738_01	At5g57330	apospory-associated protein C; protein id: At5g57330	0.337		0.199	0.359	0.351
A019741_01	At5g01240	LAX1 / AUX1 -like permease; protein id: At5g01240	0.556		0.797	0.754	1.311
A019744_01	At5g15050	N-acetylglucosaminyltransferase family (Core-2/I-Br	0.496		0.458	0.389	0.832
A019745_01	At5g13170	senescence-associated protein (SAG29); protein id:	-0.167	NA		0.659	1.173
A019748_01	At1g70370	aromatic rich glycoprotein, putative; protein id: At1g	1.535		1.445	1.003	1.468
A019749_01	At1g05180	RUB-activating enzyme AXR1; protein id: At1g0518	0.032		0.22	0.203	0.463
A019750_01	At1g09660	KH domain quaking protein, putative; protein id: At1	0.599		0.472	0.681	0.397
A019751_01	At1g70160	expressed protein; protein id: At1g70160.1	-0.929		-1.103	-0.604	-0.227
A019754_01	At1g16010	expressed protein; protein id: At1g16010.1	-0.494		-0.582	-0.178	-0.367
A019755_01	At3g02380	zinc finger protein CONSTANS-LIKE 2 (COL2); prot	-2.02		-1.543	NA	NA
A019756_01	At4g16765	similar to gibberellin oxidase-like protein; protein id:	-0.719		-0.305	-0.256	0.28
A019758_01	At4g13770	cytochrome p450 family; protein id: At4g13770.1	-3.514		-3.451	-1.853	-3.625
A019761_01	At1g04680	putative pectate lyase A11; protein id: At1g04680.1	1.132		1.032	0.575	0.749
A019763_01	At2g34770	fatty acid hydroxylase (FAH1); protein id: At2g34770	-0.406	NA		-0.441	-0.704
A019766_01	At5g27430	signal peptidase; protein id: At5g27430.1	0.699		0.563	0.277	0.77
A019768_01	At1g70320	ubiquitin-protein ligase 2 (UPL2), putative; protein ic	-0.181		-0.619	-0.441	-0.301
A019771_01	At2g22670	auxin-regulated protein (IAA8); protein id: At2g2267	1.025		0.907	0.529	1.333
A019774_01	At2g43430	glyoxalase II (hydroxyacylglutathione hydrolase)(GL	-0.44		-0.641	-0.256	-0.136
A019779_01	At2g23290	myb family transcription factor; protein id: At2g2329	0.4	NA		0.639	NA
A019781_01	At2g46830	myb-related transcription factor (CCA1); protein id: ,	-1.529	NA		-0.798	-1.365
A019783_01	At1g68370	ARG1 protein (Altered Response to Gravity); proteir	0.001		-0.215	0.126	0.444
A019785_01	At1g13210	potential phospholipid-transporting ATPase 11; prot	-1.116	NA		NA	NA
A019791_01	At1g09560	germin-like protein; protein id: At1g09560.1	-0.444		-0.499	-0.373	-1.287
A019793_01	At2g29960	cyclophilin; protein id: At2g29960.1	0.482		0.416	0.49	0.289
A019794_01	At1g34210	somatic embryogenesis receptor-like kinase, putativ	-0.417	NA		-0.351	-0.563
A019796_01	At1g47420	expressed protein; protein id: At1g47420.1	0.343		0.273	0.321	0.35
A019797_01	At1g70940	PIN3. auxin transport protein REH1, putative; protei	-0.229	NA		NA	0.45

A019799_01	At1g75020	putative acyl-CoA:1-acylglycerol-3-phosphate acyltr NA	NA		-0.711	-0.78
A019801_01	At1g73060	expressed protein; protein id: At1g73060.1	0.078	0.178	-0.298	-0.347
A019805_01	At1g80780	CCR4-associated factor, putative\0CCR4-associate	-0.243	-0.314	0.057	0.113
A019806_01	At1g54320	membrane protein common family; protein id: At1g5	-0.391	-0.345	-0.254	-0.227
A019810_01	At1g18720	expressed protein; protein id: At1g18720.1	-0.747	-0.755	-0.081	-1.096
A019812_01	At3g51860	Ca ²⁺ /H ⁺ -exchanging protein-like; protein id: At3g51	-2.695	-2.668	-1.674	-2.293
A019813_01	At1g33040	expressed protein; protein id: At1g33040.1	0.978	0.844	1.113	1.091
A019815_01	At1g04780	hypothetical protein; protein id: At1g04780.1	-0.528	-0.964	-0.485	-0.614
A019818_01	At1g14280	phytochrome kinase substrate 1, putative; protein id	-0.364	-0.155	0.392	0.284
A019820_01	At2g33450	putative chloroplast 50S ribosomal protein L28; prot	0.701	0.71	0.441	0.075
A019822_01	At2g26600	glycosyl hydrolase family 17; protein id: At2g26600.	-0.912	-1.049	-0.309	-0.177
A019823_01	At2g38130	putative acetyltransferase; protein id: At2g38130.1	-0.192	0.044	0.319	0.204
A019826_01	At2g47070	putative squamosa-promoter binding protein; protei	-0.167	-0.222	-0.059	0.103
A019828_01	At2g29390	putative C-4 sterol methyl oxidase; protein id: At2g2	0.427	0.459	0.744	1.245
A019829_01	At2g45740	expressed protein; protein id: At2g45740.1	-0.802	-0.796	-0.67	-0.481
A019830_01	At2g45850	putative AT-hook DNA-binding protein; protein id: A	-0.118	-0.188 NA		-0.224
A019831_01	At2g45910	putative protein kinase; protein id: At2g45910.1	-1.056	-0.951 NA	NA	
A019834_01	At2g35120	glycine decarboxylase complex H-protein; protein id	0.639	0.565	0.745	0.305
A019840_01	At2g32520	putative carboxymethylenebutenolidase; protein id:	0.356	0.512	0.341	0.52
A019842_01	At2g32600	spliceosome associated protein-family; protein id: A	-0.377 NA		0.152	-0.426
A019843_01	At2g38310	expressed protein; protein id: At2g38310.1	0.974	0.941	0.244	0.74
A019846_01	At2g38440	unknown protein; protein id: At2g38440.1	-0.02	-0.113	0.027	0.775
A019848_01	At2g37570	expressed protein; protein id: At2g37570.1	-0.551	-0.75	-0.608	-0.591
A019851_01	At2g37710	putative receptor-like protein kinase; protein id: At2g	-0.444	-0.269 NA		-0.077
A019854_01	At2g26910	ABC transporter family protein; protein id: At2g2691	0.039	0.19	0.282	0.986
A019855_01	At2g19800	expressed protein; protein id: At2g19800.1	-0.003	-0.119	-0.065	-0.055
A019857_01	At2g18740	putative small nuclear ribonucleoprotein E; protein i	0.699	0.467	0.657	0.126
A019858_01	At2g39010	putative aquaporin (water channel protein); protein i	0.601	0.888	0.344	0.476
A019861_01	At2g37470	putative histone H2B; protein id: At2g37470.1	0.668	0.676	0.567	0.694
A019865_01	At2g22360	putative DnaJ protein; protein id: At2g22360.1	-0.323	-0.337 NA		-0.702
A019866_01	At2g37020	translin-like protein; protein id: At2g37020.1	0.88	1.261	1.033	1.476
A019870_01	At2g13560	malate oxidoreductase (malic enzyme), putative; pro	0.196	-0.029	0.006	0.08
A019872_01	At2g01820	putative receptor-like protein kinase; protein id: At2g	0.539	0.286	0.363	0.493
A019874_01	At2g01890	putative purple acid phosphatase; protein id: At2g01	-4.091 NA		-2.454 NA	
A019876_01	At2g25280	expressed protein; protein id: At2g25280.1	-0.008	-0.308	-0.128	0.085
A019877_01	At2g25310	unknown protein; protein id: At2g25310.1	0.078	0.256	0.287	-0.012
A019880_01	At2g42600	phosphoenolpyruvate carboxylase; protein id: At2g4	-0.856	-0.738	-0.293	-0.376
A019882_01	At2g20490	expressed protein; protein id: At2g20490.1	0.731	0.958	1.066	0.53
A019885_01	At2g21580	40S ribosomal protein S25; protein id: At2g21580.1	0.65	0.61	0.779	1.145
A019886_01	At2g21640	unknown protein; protein id: At2g21640.1	NA	-0.176	-0.195	-0.702
A019887_01	At2g36160	40S ribosomal protein S14; protein id: At2g36160.1	0.817	0.598	0.748	0.952
A019891_01	At1g15500	adenine nucleotide translocase, putative; protein id:	0.603 NA		0.283	0.586
A019892_01	At1g78290	serine-threonine protein kinase, putative; protein id:	-2.852	-3.031	-1.504	-2.369
A019893_01	At1g64780	ammonium transporter, putative; protein id: At1g64	-2.727 NA		-1.279	-2.028
A019894_01	At2g25850	putative poly(A) polymerase; protein id: At2g25850.	-0.338	-0.069	-0.671	0.027
A019895_01	At1g44800	nodulin protein, putative; protein id: At1g44800.1	-2.012	-2.139	-0.064	0.155
A019897_01	At1g06290	acyl-CoA oxidase, putative; protein id: At1g06290.1	-0.337 NA	NA		0.496
A019898_01	At1g18260	expressed protein; protein id: At1g18260.1	-0.341	-0.116	-0.221	-0.044
A019899_01	At1g10590	expressed protein; protein id: At1g10590.1	0.202	0.216	0.209	-0.078
A019900_01	At1g48090	unknown protein; protein id: At1g48090.1	-0.333	-0.644	-0.146	-0.333
A019901_01	At1g12360	expressed protein; protein id: At1g12360.1	-0.086	-0.595	-0.592	-0.669
A019904_01	At1g06190	expressed protein; protein id: At1g06190.1	0.603	0.35	0.234	0.324
A019905_01	At1g06220	elongation factor Tu family protein; protein id: At1g0	0.183	0.246	0.471	0.808
A019916_01	At1g12430	armadillo-repeat-containing kinesin-related protein;	-0.361	-0.094	0.012	-0.063
A019918_01	At1g57620	integral membrane protein, putative; protein id: At1g	0.881	0.69	0.858	0.878
A019919_01	At1g27030	expressed protein; protein id: At1g27030.1	0.085	0.096	1.238	1.737
A019923_01	At1g63970	expressed protein; protein id: At1g63970.2	-0.061	-0.314	-0.077	-0.521
A019926_01	At1g77920	bZIP transcription factor, bZIP50; protein id: At1g77	-1.603 NA	NA		-1.465
A019927_01	At1g10650	S-ribonuclease binding protein SBP1, putative; prot	-0.159 NA	NA		0.542
A019929_01	At1g76120	expressed protein; protein id: At1g76120.1	0.281	0.076	0.225	0.884
A019934_01	At3g16950	dihydrolipoamide dehydrogenase, putative; protein i	0.403	0.535	0.343	0.669
A019935_01	At3g59990	putative protein; protein id: At3g59990.1	-0.236	-0.363	0.1	0.623
A019936_01	At5g27770	60S ribosomal protein L22 - like; protein id: At5g277	0.578	0.541	0.448	0.508
A019940_01	At1g06430	FtsH protease, putative; protein id: At1g06430.1	-1.883	-1.635	-0.996	-1.256
A019941_01	At1g60010	expressed protein; protein id: At1g60010.1	-0.763	-0.995	-0.39	-0.461
A019942_01	At1g07090	expressed protein; protein id: At1g07090.1	-0.278	-0.009	0.505	0.419
A019943_01	At1g68100	expressed protein; protein id: At1g68100.1	0.922 NA		0.269	-0.17
A019944_01	At1g51070	bHLH protein; protein id: At1g51070.1	0.152 NA		0.52	0.755

A019946_01	At1g50920	GTP-binding protein, putative; protein id: At1g50920	0.41	0.193	0.236	0.416
A019947_01	At3g12370	50S ribosomal protein L10, putative; protein id: At3g12370	0.442	0.359	0.446	0.395
A019949_01	At1g42470	Niemann-Pick C disease protein-like protein; protein id: At1g42470	-0.126	0.291	-0.488	-0.338
A019952_01	At1g55210	disease resistance response protein-related/ dirigens	0.799	0.754	0.763	0.59
A019953_01	At1g77690	putative AUX1-like permease; protein id: At1g77690	-0.731	0.42	-0.187	0.182
A019954_01	At1g71040	spore coat protein-like protein; protein id: At1g71040	-1.513	-1.831	-1.023	-1.883
A019957_01	At1g68820	expressed protein; protein id: At1g68820.1	-0.767	-0.726	-0.141	0.371
A019958_01	At1g29970	60S ribosomal protein L18A, putative; protein id: At1g29970	-0.779	-1.038	-0.263	-1.232
A019964_01	At1g74660	expressed protein; protein id: At1g74660.1	-1.555	-1.375	-0.454	-1.35
A019965_01	At1g74270	putative ribosomal protein; protein id: At1g74270.1	0.618	0.795	0.611	0.096
A019968_01	At1g74040	putative 2-isopropylmalate synthase; protein id: At1g74040	0.675	0.596	-0.035	0.295
A019969_01	At1g72340	putative translation initiation factor EIF-2B alpha subunit	0.225	0.211	0.187	0.165
A019970_01	At1g75170	unknown protein; protein id: At1g75170.1	0.364	0.315	0.687	0.992
A019971_01	At3g01270	putative pectate lyase; protein id: At3g01270.1	-0.851	-0.666	-1.693	-1.224
A019972_01	At3g01150	polypyrimidine tract-binding protein (PTB); protein id: At3g01150	0.076 NA	NA		-0.04
A019973_01	At3g01130	expressed protein; protein id: At3g01130.1	0.698	0.437	0.339	0.153
A019975_01	At3g01060	unknown protein; protein id: At3g01060.1	-0.912	-0.797	-0.403	-0.184
A019976_01	At3g03780	putative methionine synthase; protein id: At3g03780	-1.651	-1.916	-1.067	-0.981
A019977_01	At3g07370	expressed protein; protein id: At3g07370.1	-0.463	-0.517	-0.44	-0.616
A019978_01	At3g10370	putative glycerol-3-phosphate dehydrogenase; protein id: At3g10370	NA	NA	-0.716	-0.139
A019982_01	At3g02600	putative phosphatidate phosphohydrolase; protein id: At3g02600	0.468	0.425	0.403	0.72
A019983_01	At3g02700	expressed protein; protein id: At3g02700.1	-0.131	-0.067	0.008	0.074
A019985_01	At3g19800	expressed protein; protein id: At3g19800.1	-1.064	-1.4	-0.751	-1.075
A019987_01	At2g05590	expressed protein; protein id: At2g05590.1	0.523 NA	NA	NA	NA
A019991_01	At1g73230	putative transcription factor BTF3 (RNA polymerase III)	1.116	0.735	0.903	0.802
A019995_01	At1g78070	expressed protein; protein id: At1g78070.1	-0.489 NA	NA	NA	NA
A019997_01	At5g54900	RNA binding protein 45 (RBP45), putative; protein id: At5g54900	-1.638	0.334	0.613	0.67
A020001_01	At1g55490	rubisco subunit binding-protein beta subunit; protein id: At1g55490	1.056	0.899	0.487	1.837
A020005_01	At2g17840	putative senescence-associated protein 12; protein id: At2g17840	-0.923	-0.581	-0.62	-1.176
A020008_01	At2g39420	putative phospholipase; protein id: At2g39420.1	-0.924	-0.847	-0.92	-0.316
A020009_01	At5g07220	putative protein; protein id: At5g07220.1	-1.72	-1.934	-0.793	-1.088
A020012_01	At4g26590	isp4 like protein; protein id: At4g26590.1	1.092	1.058	1.077	1.549
A020014_01	At2g45470	fasciclin-like arabinogalactan-protein (FLA8); protein id: At2g45470	1.354	1.238	0.742	0.98
A020016_01	At4g17460	homeobox-leucine zipper protein HAT1 (HD-Zip protein)	0.78	1.003	0.957	1.451
A020017_01	At5g09530	surface protein PspC-related; protein id: At5g09530	-1.263	-1.76 NA	NA	NA
A020022_01	At5g13750	transporter-like protein	-1.688 NA		-0.637	-0.602
A020023_01	At1g79590	expressed protein; protein id: At1g79590.1	-0.424 NA		-0.079	-0.458
A020025_01	At4g01370	MAP kinase 4 (MPK4); protein id: At4g01370.1	0.433	0.234	0.395	0.653
A020031_01	At3g53500	splicing factor - like protein; protein id: At3g53500.1	0.049	-0.044	0.126	0.009
A020033_01	At3g21690	integral membrane protein, putative; protein id: At3g21690	-1.605	-2.011	-1.586	-1.556
A020035_01	At5g06870	putative polygalacturonase inhibiting protein	0.524	0.628	-0.653	-0.573
A020036_01	At5g42220	putative protein; protein id: At5g42220.1	0.193 NA	NA		-0.626
A020037_01	At1g32550	ferredoxin, putative; protein id: At1g32550.1	0.648	0.676	0.473	0.271
A020039_01	xxxx	b/t hypothetical protein; protein id: At3g02510.1 and	1.128	1.29	0.775	1.063
A020041_01	At2g02960	unknown protein; protein id: At2g02960.1	-0.478 NA	NA	NA	NA
A020042_01	At1g13960	WRKY family transcription factor; protein id: At1g13960	NA	NA	NA	NA
A020043_01	At5g02040	putative protein; protein id: At5g02040.1	-0.344 NA	NA		-0.381
A020045_01	At3g26740	light regulated protein, putative; protein id: At3g26740	-1.566	-1.846	-1.699	-2.243
A020046_01	At3g48140	B12D-like protein; protein id: At3g48140.1	-0.561	-0.593	-0.143	-0.643
A020047_01	At2g42500	protein phosphatase 2A (PP2A); protein id: At2g42500	0.029	-0.394	0.002	0.04
A020048_01	At2g19520	putative WD-40 repeat protein, MS14; protein id: At2g19520	0.731	0.831	0.898	1.031
A020050_01	At3g53900	uracil phosphoribosyltransferase-like protein; protein id: At3g53900	1.787	1.708	1.4	2.019
A020053_01	At3g14067	subtilisin-like serine protease, putative; protein id: At3g14067	-1.784	-2.136	-0.862	-1.12
A020054_01	At3g56090	putative protein; protein id: At3g56090.1	0.665	0.59	0.933	0.961
A020055_01	At5g66052	expressed protein; protein id: At5g66052.1	-0.638	-0.805	-0.584	-0.46
A020056_01	At4g04470	peroxisomal membrane protein PMP22; protein id: At4g04470	-0.81	-0.51	-0.046	-0.083
A020060_01	At5g21990	hypothetical protein; protein id: At5g21990.1	-0.234	-0.87	-0.641	-0.318
A020061_01	At3g24100	unknown protein; protein id: At3g24100.1	-0.76	-0.36	-0.401	-1.141
A020062_01	At1g54290	protein translation factor Sui1 homolog, putative; protein id: At1g54290	-1.682	-1.374	-1.375	-1.342
A020064_01	At4g24570	mitochondrial carrier protein family; protein id: At4g24570	-1.328 NA		-1.01	-1.755
A020065_01	At5g62680	peptide transporter; protein id: At5g62680.1	-1.568	-1.698	-1.311	-2.024
A020068_01	At3g22600	expressed protein; protein id: At3g22600.1	-1.312	-0.574 NA	NA	NA
A020070_01	At1g22740	ras-related GTP-binding protein (Rab7); protein id: At1g22740	-1.074	-1.001	-0.097	-0.119
A020071_01	At1g22990	copper chaperone (CCH)-related; protein id: At1g22990	0.407	0.649	0.947	1.847
A020072_01	At1g01090	pyruvate dehydrogenase E1 alpha subunit; protein id: At1g01090	0.39	0.273	0.208	0.661
A020073_01	At2g43970	VirF-interacting protein FIP1; protein id: At2g43970	-0.34	-0.656	-0.429	-0.993
A020074_01	At3g16500	phytochrome-associated protein 1 (PAP1); protein id: At3g16500	-0.004	-0.118	0.052	-0.08
A020075_01	At5g02530	RNA and export factor binding protein, putative; protein id: At5g02530	-0.216	0.053 NA		-0.156

A020076_01	At3g13450	branched chain alpha-keto acid dehydrogenase E1	-1.31	-0.772	-0.424	-0.792
A020077_01	At5g47890	NADH dehydrogenase 10.5K chain-like protein; prot	0.105	0.251	0.105	0.254
A020078_01	At3g22480	prefoldin-like protein; protein id: At3g22480.1	0.194	0.484 NA		0.494
A020082_01	At1g78870	E2, ubiquitin-conjugating enzyme, putative; protein i	-0.756	-0.776	-0.243	-0.544
A020083_01	At3g63530	putative protein; protein id: At3g63530.1	-0.382	0.04	-0.357	-0.862
A020086_01	At2g39460	60S ribosomal protein L23A; protein id: At2g39460.	0.802	0.716	0.747	0.833
A020089_01	At3g27570	putative sucrose cleavage protein; protein id: At3g2	-0.217	-0.634	-0.288	-0.407
A020090_01	At3g59910	putative protein; protein id: At3g59910.1	-0.058 NA	NA		0.117
A020091_01	At1g17080	expressed protein; protein id: At1g17080.1	-0.669	-0.395	0.041	-0.536
A020092_01	At1g12270	hypothetical protein; protein id: At1g12270.1	0.222	0.488	0.383	0.924
A020098_01	At2g01270	expressed protein; protein id: At2g01270.1	-0.234	-0.426	-0.427	-0.164
A020099_01	At3g10850	glyoxalase II (hydroxyacylglutathione hydrolase)(GL	0.054	0.479	0.349	0.189
A020100_01	At1g69960	serine/threonine protein phosphatase type 2A (PP2,	-0.231	-0.204	0.15	-0.03
A020101_01	At5g65670	auxin-induced protein (IAA9) (pir [T05902]); protein i	0.678	0.411	0.459	0.674
A020102_01	At5g02840	myb family transcription factor; protein id: At5g0284	-0.876	-1.093	-0.79	-0.54
A020103_01	At3g54600	putative protein; protein id: At3g54600.1	-1.001	-1.18	-0.76	-0.906
A020104_01	At1g08200	expressed protein; protein id: At1g08200.1	0.786	0.649	0.549	0.711
A020105_01	At5g04760	l-box binding factor - like protein; protein id: At5g04	-2.59	-2.275	-1.052	-1.685
A020107_01	At5g43830	putative aluminum-induced protein; protein id: At5g	-0.043	0.021	-0.008	-0.17
A020109_01	At1g50290	expressed protein; protein id: At1g50290.1	-1.549	-1.446	-0.459	-0.459
A020116_01	At5g12170	putative protein; protein id: At5g12170.1	-1.167	-1.422	-1.009	-1.531
A020119_01	At5g20490	myosin-like protein; protein id: At5g20490.1	-0.49	-0.942	-0.442	-0.611
A020120_01	At5g63840	glycosyl hydrolase family 31; protein id: At5g63840.	0.808	0.645	0.355	0.718
A020121_01	At4g31450	putative protein; protein id: At4g31450.1	-1.151	-1.375	-0.733	-1.329
A020122_01	At2g46820	expressed protein; protein id: At2g46820.1	-0.576	-0.482	-0.497	-0.819
A020123_01	At2g33740	putative related to microbial divalent cation toleranc	-0.505 NA		-0.043	-0.827
A020125_01	At2g39100	putative RING zinc finger protein; protein id: At2g39	-0.287	0.148	-0.043	-0.228
A020126_01	At5g59960	putative protein; protein id: At5g59960.1	-2.137	-1.498	-0.79	-0.946
A020128_01	At3g53180	nodulin / glutamate-ammonia ligase - like protein; pi	0.109	0.053	-0.232	0.17
A020130_01	At5g22330	Ruv DNA-helicase-like protein; protein id: At5g2233	0.311	0.288 NA		0.474
A020132_01	At3g58530	putative protein; protein id: At3g58530.1	-0.415	-0.503	-0.392	-0.375
A020134_01	At5g41950	putative protein; protein id: At5g41950.1	0.751	0.368	0.249	0.417
A020135_01	At3g06350	dehydroquinase dehydratase/shikimate dehydrogen;	-0.011	-0.117 NA		0.199
A020140_01	At3g19860	bHLH protein; protein id: At3g19860.1	-0.105	-0.436 NA		-0.089
A020141_01	At5g55030	putative protein; protein id: At5g55030.1	-0.132	-0.149	-0.149	0.076
A020144_01	At1g68440	expressed protein; protein id: At1g68440.1	-1.245	-1.358	-0.571	-0.744
A020145_01	xxxx	No hits found	-1.38	-1.456	-0.642	-0.803
A020155_01	At4g30760	putative protein; protein id: At4g30760.1	-0.569	-0.232	0.167	-0.109
A020157_01	At5g27600	long-chain-fatty-acid--CoA ligase-like protein; protei	-0.978	-1.064	-0.677	-0.576
A020160_01	At1g33970	expressed protein; protein id: At1g33970.1	-1.186	-1.176	-1.141	-1.947
A020162_01	At3g01120	putative cystathionine gamma-synthase; protein id:	-0.831	-0.466	-0.251	0.026
A020164_01	At5g09960	putative protein; protein id: At5g09960.1	-0.507 NA	NA		-0.455
A020166_01	At3g15970	expressed protein; protein id: At3g15970.1	0.185	0.273 NA		0.208
A020167_01	At1g55310	arginine/serine-rich protein; protein id: At1g55310.1	-0.952	-0.375	-0.119	-0.205
A020169_01	At2g34470	putative urease accessory protein; protein id: At2g3	0.04	-0.055	0.316	0.435
A020170_01	At4g37430	cytochrome p450 family; protein id: At4g37430.1	-0.16	0	0.256	0.05
A020171_01	At3g02730	thioredoxin f1; protein id: At3g02730.1	-0.579	-0.304	-0.591	-0.656
A020172_01	At2g01450	putative MAP kinase; protein id: At2g01450.1	-1.118	-1.121	-0.837	-0.823
A020173_01	At1g79870	putative D-isomer specific 2-hydroxyacid dehydroge	-0.317	-0.169	-0.166	-0.398
A020178_01	At1g69040	unknown protein; protein id: At1g69040.1	0.794	0.367	0.469	1.082
A020179_01	At5g66400	dehydrin RAB18-like protein (sp|P30185)	-1.257	-0.586	-0.512	-1.003
A020183_01	At1g78090	trehalose-6-phosphate phosphatase (AtTPPB); prot	0.435	0.611	0.869	0.633
A020186_01	At4g36220	ferulate-5-hydroxylase (FAH1); protein id: At4g3622	-1.432	-1.177	-0.865	-0.644
A020187_01	At3g62020	germin-like protein (GLP10); protein id: At3g62020.	-1.923	-1.627	-0.996	-1.25
A020188_01	At4g24770	RNA-binding protein RNP-T precursor	0.575	0.456	0.125	-0.187
A020189_01	At3g16857	ARR1 protein, putative; protein id: At3g16857.1	-1.392	-1.515	-0.577	-1.182
A020190_01	At3g61240	DEAD/DEAH box RNA helicase, putative; protein id	0.146	0.123	0.349	0.681
A020192_01	At2g27150	aldehyde oxidase; protein id: At2g27150.1	-2.019	-2.696	-1.293	-1.799
A020195_01	At4g15110	cytochrome p450, putative; protein id: At4g15110.1	0.235	0.284	0.078	0.227
A020196_01	At5g56350	pyruvate kinase; protein id: At5g56350.1	-0.202	-0.005	0.081	0.208
A020197_01	At4g01310	putative L5 ribosomal protein; protein id: At4g01310	1.191	0.963	0.499	0.445
A020198_01	At5g35620	eIF4Eiso protein (emb|CAA71579.1); protein id: At5	0.666	0.476	0.155	0.021
A020199_01	At5g16650	putative protein	-0.527	-0.398	-0.655	-0.58
A020200_01	At2g01320	ABC transporter family protein; protein id: At2g0132	-0.717	-0.527	-0.501	-0.838
A020203_01	At1g26270	expressed protein; protein id: At1g26270.1	0.048	-0.153	-0.361	-0.46
A020205_01	At1g03675	putative thioredoxin-m; protein id: At1g03675.1	-0.406	-0.372	-0.25	-0.546
A020208_01	At1g56200	expressed protein; protein id: At1g56200.1	-0.15	-0.041	-0.156	-0.8
A020210_01	At1g31970	DEAD/DEAH box RNA helicase, putative; protein id	-0.104	-0.112	0.27	0.444

A020211_01	At5g54500	1,4-benzoquinone reductase-like protein	-0.513	-0.544	-0.465	-0.792
A020213_01	At1g79990	putative coatomer protein complex, subunit beta 2 (	0.658	0.618	0.401	0.223
A020214_01	At3g47960	putative peptide transporter; protein id: At3g47960.1	-1.376	-1.364	-0.682	-0.878
A020215_01	At1g32050	secretory carrier membrane protein, putative; protei	-0.069	0.063	0.026	0.094
A020216_01	At1g09630	GTP-binding protein, putative; protein id: At1g09630	0.809	0.889	0.819	0.877
A020217_01	At2g28790	putative thaumatin; protein id: At2g28790.1	1.569	1.121	0.635	1.417
A020219_01	At3g15410	unknown protein; protein id: At3g15410.1	0.646	NA	NA	0.524
A020221_01	At3g10740	glycosyl hydrolase family 51; protein id: At3g10740.	-2.08	-2.584	-1.889	-1.783
A020222_01	At1g49750	unknown protein; protein id: At1g49750.1	-0.17	-0.16	-0.244	0.153
A020225_01	At3g62550	putative protein; protein id: At3g62550.1	-2.386	-2.505	-1.547	-3.035
A020226_01	At3g01400	expressed protein; protein id: At3g01400.1	-0.939	-0.659	-0.248	-0.581
A020228_01	At5g01810	serine/threonine protein kinase ATPK10; protein id:	-0.255	-0.261	-0.263	-0.443
A020229_01	At5g40850	uroporphyrin III methylase (gb|AAB92676.1); prote	0.338	0.533	-0.046	0.206
A020233_01	At4g37470	putative protein; protein id: At4g37470.1	-1.225	-1.417	-0.179	-0.451
A020236_01	At5g17650	glycine/proline-rich protein; protein id: At5g17650.1	NA	NA	NA	NA
A020241_01	At5g61530	auxin-regulated protein; protein id: At5g61530.1	-0.778	-0.818	-0.543	-0.519
A020242_01	At4g36850	putative protein; protein id: At4g36850.1	-0.985	-0.903	-1.634	-1.552
A020243_01	At1g07230	unknown protein; protein id: At1g07230.1	-0.679	-0.671	-0.655	-0.66
A020245_01	At1g15200	expressed protein; protein id: At1g15200.1	0.502	NA	0.03	0.162
A020249_01	At3g52220	expressed protein; protein id: At3g52220.1	-0.047	-0.215	0.36	0.216
A020250_01	At1g16080	expressed protein; protein id: At1g16080.1	0.506	0.401	0.015	-0.098
A020251_01	At5g61900	copine - like protein; protein id: At5g61900.1	-0.034	-0.067	-0.093	-0.167
A020254_01	At4g13780	methionyl-tRNA synthetase - like protein; protein id:	0.374	0.002	-0.156	-0.069
A020256_01	At3g01200	unknown protein; protein id: At3g01200.1	-0.482	-0.7	-0.385	-0.258
A020257_01	At2g17710	expressed protein; protein id: At2g17710.1	-0.599	-0.989	-0.142	-0.4
A020258_01	At5g22630	chorismate mutase/prephenate dehydratase-like prc	-1.618	-1.494	-0.426	-0.149
A020260_01	At3g01700	arabinogalactan-protein (AGP11); protein id: At3g01	-0.81	-0.406	-0.452	-1.411
A020264_01	At5g09900	putative 26S proteasome p55 protein; protein id: At	0.703	0.381	0.695	1.52
A020265_01	At4g13950	expressed protein; protein id: At4g13950.1	0.809	1.046	0.87	0.978
A020267_01	At5g14800	pyrroline-5-carboxylate reductase; protein id: At5g1	0.318	0.256	0.083	0.492
A020268_01	At5g11280	unknown protein; protein id: At5g11280	-0.055	0.238	0.049	0.099
A020272_01	At5g18800	NADH:ubiquinone oxidoreductase - like protein; pro	0.687	0.556	0.429	0.112
A020273_01	At5g57655	expressed protein; protein id: At5g57655.2	-0.922	-1.527	-0.727	-0.893
A020274_01	At5g55190	putative small Ras GTP-binding protein	0.396	0.342	0.372	0.622
A020281_01	At1g18660	expressed protein; protein id: At1g18660.1	-0.113	-0.387	-0.171	0.315
A020283_01	At3g63260	ATMRK1; protein id: At3g63260.1	-0.475	NA	-0.047	-0.579
A020286_01	At3g23560	expressed protein; protein id: At3g23560.1	0.497	0.38	0.614	0.824
A020289_01	At1g21680	expressed protein; protein id: At1g21680.1	-1.837	-1.557	-1.781	-1.995
A020290_01	At4g17940	putative protein; protein id: At4g17940.1	-1.096	-1.248	-0.608	-1.053
A020291_01	At3g12780	phosphoglycerate kinase, putative; protein id: At3g1	0.293	0.155	-0.432	0.275
A020293_01	At3g02530	putative chaperonin; protein id: At3g02530.1	0.716	0.525	0.65	0.923
A020294_01	At1g16210	expressed protein; protein id: At1g16210.1	0.124	-0.313	0.104	-0.108
A020295_01	At1g80530	nodulin-like protein; protein id: At1g80530.1	0.309	0.423	0.465	0.577
A020296_01	At5g01650	Macrophage migration inhibitory factor (MIF) family;	0.12	0.115	0.299	0.169
A020297_01	At4g24160	putative protein; protein id: At4g24160.1	-0.455	-0.917	-0.509	-0.433
A020298_01	At5g64250	2-nitropropane dioxygenase-like protein; protein id:	-0.56	-0.7	-0.396	-0.467
A020299_01	At3g13200	expressed protein; protein id: At3g13200.1	-0.262	-0.336	0.013	-0.131
A020300_01	At1g22780	putative 40S ribosomal protein S18; protein id: At1g	0.89	1.057	0.976	0.7
A020301_01	At1g30200	expressed protein; protein id: At1g30200.1	-0.446	-0.468	-0.259	-0.299
A020303_01	At5g19510	elongation factor 1B alpha-subunit; protein id: At5g1	0.638	0.735	0.669	0.692
A020305_01	At1g35420	expressed protein; protein id: At1g35420.1	-0.693	-0.286	-0.389	-0.698
A020306_01	At1g74410	putative RING zinc finger protein; protein id: At1g74	-0.965	-0.803	-0.624	-0.62
A020308_01	At1g03350	expressed protein; protein id: At1g03350.1	-0.52	-0.531	-0.023	0.591
A020309_01	At4g26950	putative protein; protein id: At4g26950.1	-1.356	-1.377	NA	NA
A020311_01	At2g30620	histone H1; protein id: At2g30620.1	0.138	0.121	-0.425	-0.527
A020312_01	At5g13240	putative protein; protein id: At5g13240.1	-0.089	-0.144	-0.652	-0.624
A020314_01	At2g28190	copper/zinc superoxide dismutase (CSD2); protein i	1.504	1.319	1.253	1.816
A020317_01	At4g27410	putative protein; protein id: At4g27410.2	-3.109	NA	-1.726	-1.79
A020318_01	At4g26650	heterogeneous nuclear ribonucleoprotein (hnRNP),	0.421	NA	0.041	0.226
A020319_01	At4g31990	aspartate aminotransferase; protein id: At4g31990	-0.04	-0.288	-0.182	0.26
A020320_01	At3g24160	type 1 membrane protein, putative; protein id: At3g2	-0.179	-0.361	-0.41	-0.262
A020321_01	At3g16910	AMP-binding protein, putative; protein id: At3g16910	-0.643	-0.616	-0.231	-0.365
A020322_01	At3g25070	unknown protein; protein id: At3g25070.1	-0.431	-0.591	-0.328	-0.839
A020323_01	At1g55150	ethylene-responsive DEAD/DEAH box RNA helicase	0.187	0.249	0.215	0.304
A020324_01	At5g53490	thylakoid luminal 17.4 kD pentapeptide repeat fami	0.019	0.292	-0.334	-0.666
A020325_01	At2g01170	amino acid permease family; protein id: At2g01170.	-0.243	NA	NA	NA
A020326_01	At2g38710	expressed protein; protein id: At2g38710.1	-0.983	-0.688	-0.082	-0.066
A020327_01	At5g60990	DEAD/DEAH box RNA helicase protein, putative; pr	0.647	0.51	0.313	0.592

A020330_01	At2g44790	phytoecyanin; protein id: At2g44790.1	-0.652	NA	NA	-0.479
A020331_01	At1g69340	expressed protein; protein id: At1g69340.1	-0.009		-0.1	-0.598
A020332_01	At1g67230	nuclear matrix constituent protein 1, putative; protein id: At1g67230.1	0.17	NA	NA	-0.029
A020333_01	At3g05710	syntaxin SYP43; protein id: At3g05710.1	0.35		0.22	0.396
A020336_01	At5g53310	putative protein; protein id: At5g53310.1	-0.538	NA		-0.304
A020337_01	At3g06050	expressed protein; protein id: At3g06050.1	0.391		0.02	0.182
A020338_01	At5g13040	putative protein; protein id: At5g13040.1	0.023		-0.291	-0.48
A020340_01	At3g43980	ribosomal S29 -like protein; protein id: At3g43980.1	0.977		0.717	0.955
A020341_01	At5g04810	putative protein; protein id: At5g04810.1	-0.466		-0.525	-0.594
A020342_01	At2g05630	AtAPG8d; putative microtubule-associated protein; protein id: At2g05630.1	-0.781		-0.396	NA
A020343_01	At3g21870	PREG-like protein, putative; protein id: At3g21870.1	-0.587	NA		-0.321
A020344_01	At2g29420	glutathione transferase, putative; protein id: At2g29420.1	-1.741		-1.683	-0.809
A020345_01	At2g45530	expressed protein; protein id: At2g45530.1	-1.193		-0.759	-0.66
A020346_01	At5g54600	50S ribosomal protein L24, chloroplast precursor; protein id: At5g54600.1	0.287		0.526	0.086
A020347_01	At4g31130	putative protein; protein id: At4g31130.1	-0.599		-0.48	-0.348
A020348_01	At5g05690	cytochrome p450, putative; protein id: At5g05690.1	-0.208	NA	NA	-0.005
A020349_01	At3g26060	putative peroxiredoxin; protein id: At3g26060.1	1.41		1.309	0.504
A020350_01	At3g15500	putative jasmonic acid regulatory protein; protein id: At3g15500.1	-3.368	NA		-1.669
A020352_01	At4g39090	cysteine proteinase RD19A; protein id: At4g39090.1	-2.786		-2.226	-0.961
A020353_01	At2g46390	expressed protein; protein id: At2g46390.1	-0.09		0.038	-0.035
A020356_01	At1g61520	light-harvesting chlorophyll a/b binding protein; protein id: At1g61520.1	-0.288		-0.717	-0.453
A020360_01	At3g13080	ABC transporter family protein; protein id: At3g13080.1	-1.06		-1.352	-0.287
A020362_01	At1g20560	expressed protein; protein id: At1g20560.1	-0.176		-0.325	-0.159
A020363_01	At2g39800	delta-1-pyrroline 5-carboxylase synthetase (P5C1); protein id: At2g39800.1	-0.728		-0.786	-0.569
A020364_01	At5g51010	expressed protein; protein id: At5g51010.1	0.364		0.214	0.031
A020367_01	At1g42960	expressed protein; protein id: At1g42960.1	0.017		0.209	0.229
A020368_01	At2g31380	salt tolerance-like protein; protein id: At2g31380.1	-0.594		-0.846	0.129
A020369_01	At2g43750	cysteine synthase (cpACS1); protein id: At2g43750.1	0.061		0.142	-0.022
A020370_01	At5g39570	putative protein; protein id: At5g39570.1	0.059		0.151	0.283
A020371_01	At1g75100	expressed protein; protein id: At1g75100.1	-1.419		-1.446	-1.177
A020372_01	At4g15475	F-box protein family, AtFBL4; protein id: At4g15475.1	-0.218	NA	NA	0.019
A020373_01	At2g25800	unknown protein; protein id: At2g25800.1	0.067		0.428	-0.079
A020375_01	At4g30010	putative protein; protein id: At4g30010.1	-0.03		0.103	0.519
A020376_01	At3g60820	20S proteasome beta subunit F1 (PBF1); protein id: At3g60820.1	-0.032		-0.102	0.186
A020378_01	At5g10810	enhancer of rudimentary; protein id: At5g10810.1	0.084		0.027	-0.008
A020379_01	At4g36780	putative protein; protein id: At4g36780.1	-0.153	NA		0.059
A020380_01	At2g47710	expressed protein; protein id: At2g47710.1	-0.722		-0.661	0.192
A020381_01	At5g28060	40S ribosomal protein S19 - like; protein id: At5g28060.1	1.088		0.833	0.857
A020382_01	At1g71220	putative UDP-glucose:glycoprotein glucosyltransferase; protein id: At1g71220.1	1.043		0.734	0.619
A020383_01	At2g45030	mitochondrial elongation factor, putative; protein id: At2g45030.1	0.704		0.491	0.663
A020384_01	At4g19120	putative protein; protein id: At4g19120.1	0.731		0.489	0.031
A020385_01	At2g21160	putative signal sequence receptor, alpha subunit (S); protein id: At2g21160.1	0.774		0.835	0.454
A020386_01	At3g56460	quinone reductase-like protein; protein id: At3g56460.1	-0.249		-0.448	0.001
A020390_01	At2g22500	mitochondrial carrier protein family; protein id: At2g22500.1	0.716		0.723	0.567
A020392_01	At2g03680	putative nitrilase-associated protein; protein id: At2g03680.1	0.459		0.406	0.445
A020393_01	At2g43350	glutathione peroxidase, putative; protein id: At2g43350.1	0.7		0.429	0.39
A020394_01	At3g10410	putative serine carboxypeptidase precursor; protein id: At3g10410.1	-0.037		0.107	0.101
A020395_01	At2g43640	putative signal recognition particle protein 14kD, AT; protein id: At2g43640.1	0.588		0.796	0.499
A020396_01	At5g27840	serine/threonine protein phosphatase type one (PP1); protein id: At5g27840.1	-0.767		-0.474	-0.323
A020399_01	At3g01480	thylakoid lumen rotamase; protein id: At3g01480.1	0.224		0.362	-0.262
A020400_01	At3g15630	expressed protein; protein id: At3g15630.1	-1.604		-1.203	-0.304
A020401_01	At5g05780	26S proteasome regulatory subunit S12 (RPN8), putative; protein id: At5g05780.1	0.29		0.551	0.229
A020403_01	At3g43800	glutathione transferase, putative; protein id: At3g43800.1	-0.873		-0.918	-0.125
A020404_01	At5g44120	legumin-like protein; protein id: At5g44120.1	-4.524		-4.696	-2.629
A020406_01	At2g04390	40S ribosomal protein S17; protein id: At2g04390.1	0.911		0.92	0.951
A020410_01	At2g28470	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At2g28470.1	1.76		1.394	1.129
A020412_01	At5g02810	putative protein; protein id: At5g02810.1	-0.412		-0.643	-0.902
A020413_01	At3g08510	phosphoinositide specific phospholipase C (AtPLC2); protein id: At3g08510.1	0.52		-0.125	-0.44
A020418_01	At5g53140	putative protein phosphatase 2C; protein id: At5g53140.1	0.176		0.139	0.097
A020419_01	At2g16740	E2, ubiquitin-conjugating enzyme, putative; protein id: At2g16740.1	-1.723		-1.927	-1.18
A020420_01	At1g55450	expressed protein; protein id: At1g55450.1	-1.783	NA	NA	NA
A020421_01	At1g78240	unknown protein; protein id: At1g78240.1	-0.698		-0.537	-0.871
A020422_01	At1g68050	F-box protein FKF1/ADO3, AtFBX2a; protein id: At1g68050.1	-0.426		-0.267	-0.08
A020423_01	At2g45790	putative phosphomannomutase; protein id: At2g45790.1	0.473	NA		0.543
A020424_01	xxxx	b/t hypothetical protein; protein id: At1g62305.1 and protein id: At1g62305.1	-0.413		-0.133	-0.523
A020425_01	At3g06330	expressed protein; protein id: At3g06330.1	-0.197	NA	NA	-0.374
A020427_01	At1g56610	unknown protein; protein id: At1g56610.1	-0.981		-0.797	-0.578
A020428_01	At1g17840	ABC transporter family protein; protein id: At1g17840.1	0.32		0.119	0.391

A020435_01	At4g17830	N-acetylmethionine deacetylase-like protein, fragment	-0.225	-0.466	-0.06	-0.026
A020436_01	At2g36930	expressed protein; protein id: At2g36930.1	-0.176	0.171	0.577	0.431
A020437_01	At2g18040	putative peptidyl-prolyl cis-trans isomerase; protein	-0.14	-0.364	0.022	-0.175
A020438_01	At4g37200	thiol-disulfide interchange like protein; protein id: At	-1.025 NA		-0.46	-0.805
A020440_01	At5g46430	ribosomal protein L32; protein id: At5g46430.1	0.319	0.792	0.556	0.789
A020441_01	At5g66810	putative protein; protein id: At5g66810.1	-0.595	-0.63	-0.487	0.146
A020442_01	At1g52380	expressed protein; protein id: At1g52380.1	0.389	0.308	0.178	0.175
A020443_01	At5g11760	putative protein; protein id: At5g11760.1	-0.02	0.112	0.308	0.119
A020444_01	At2g28060	expressed protein; protein id: At2g28060.1	-0.359	-0.313	0.204	-0.257
A020445_01	At5g44250	putative protein; protein id: At5g44250.1	-0.61	-0.854	-0.24	-0.018
A020446_01	At5g08560	WD-repeat protein-like; protein id: At5g08560.1	-0.408	-0.316	-0.319	0.026
A020452_01	At3g13520	arabinogalactan-protein (AGP12); protein id: At3g13	1.022	0.629	0.604	0.747
A020455_01	At2g31490	expressed protein; protein id: At2g31490.1	0.325	0.323	0.123	-0.082
A020460_01	At4g16670	hypothetical protein; protein id: At4g16670.1	-1.871	-1.901 NA		-0.949
A020461_01	At5g20230	blue copper binding protein; protein id: At5g20230.1	-0.708	-0.215	-0.558	-1.214
A020464_01	xxxx	No hits found	-0.257	-0.124	0.05	0.336
A020467_01	xxxx	b/t leucine-rich repeat transmembrane protein kinas	0.429	0.382	0.441	0.834
A020470_01	At5g63890	histidinol dehydrogenase; protein id: At5g63890.2	0.707	0.818	0.628	0.984
A020471_01	At5g61970	signal recognition particle - like protein; protein id: A	0.378 NA		-0.288	0.106
A020472_01	At2g03820	putative nonsense-mediated mRNA decay protein; p	0.139	0.144	0.3	0.354
A020474_01	At2g34860	unknown protein; protein id: At2g34860.1	0.074	-0.031	-0.316	-0.577
A020477_01	At5g35100	putative protein; protein id: At5g35100.1	NA	NA	0.112	-1.069
A020478_01	At5g50320	histone acetyltransferase; protein id: At5g50320.1	0.036	0.131 NA		0.148
A020480_01	At5g63870	ser/thr protein phosphatase catalytic subunit; protei	-0.008 NA		0.198	0.665
A020481_01	At3g18940	expressed protein; protein id: At3g18940.1	0.965	0.993	0.548	0.78
A020482_01	At2g23810	hypothetical protein; protein id: At2g23810.1	-1.107	-1.521	-0.761	-0.798
A020484_01	At5g67480	putative protein; protein id: At5g67480.1	-0.185 NA		-0.461	-0.754
A020486_01	At1g10720	expressed protein; protein id: At1g10720.1	-0.29	-0.129	0.034	-0.039
A020488_01	At2g39710	expressed protein; protein id: At2g39710.1	NA	NA	NA	NA
A020489_01	At1g01730	expressed protein; protein id: At1g01730.1	-0.53	-0.1	0.308	0.425
A020490_01	At4g27760	forever young gene (FEY); protein id: At4g27760.1	0.859	0.739	0.406	0.482
A020491_01	At3g09050	unknown protein; protein id: At3g09050.1	-0.237 NA	NA		-0.58
A020493_01	At3g13350	expressed protein; protein id: At3g13350.1	-0.315	-0.346	-0.204	-0.497
A020497_01	At2g47910	expressed protein; protein id: At2g47910.1	-1.108	-0.474	-0.656	-1.356
A020498_01	At4g01400	hypothetical protein; protein id: At4g01400.1	0.019	0.009	0.055	0.38
A020500_01	At1g34570	expressed protein; protein id: At1g34570.1	-0.389	-0.507	-0.268 NA	
A020501_01	At5g61440	thioredoxin-like 3; protein id: At5g61440.1	0.226	0.074	0.734	0.91
A020502_01	At1g30480	DNA damage repair protein, putative; protein id: At1	0.304	0.259	0.268	0.561
A020504_01	At3g21760	putative UDP-glucose glucosyltransferase; protein id	-0.8 NA	NA		-0.787
A020505_01	At1g55160	expressed protein; protein id: At1g55160.1	0.364	0.256	0.367	0.148
A020506_01	At4g32040	homeodomain containing protein 1; protein id: At4g:	-0.635	-0.584	-0.391	-0.332
A020507_01	At3g02860	expressed protein; protein id: At3g02860.1	-0.13	-0.307	-0.114	-0.185
A020509_01	At3g19010	expressed protein; protein id: At3g19010.1	-1.318	-1.203	-1.109	-0.949
A020510_01	At1g68140	unknown protein; protein id: At1g68140.1	-0.733	-0.871	-0.287	-0.73
A020511_01	At3g11450	putative cell division related protein; protein id: At3g	0.162	0.196	-0.052	-0.2
A020512_01	At1g23060	expressed protein; protein id: At1g23060.1	-0.905	-0.928	0.185	0.347
A020514_01	At3g22110	20S proteasome alpha subunit C (PAC1); protein id	0.089	-0.063	0.188	0.474
A020515_01	At5g58350	MAP kinase; protein id: At5g58350.1	-2.371	-2.148	-1.002	-1.23
A020516_01	At5g20720	chloroplast Cpn21 protein; protein id: At5g20720.1	1.14	0.961	0.693	0.919
A020520_01	At4g21210	putative protein; protein id: At4g21210.1	0.269	-0.101	-0.429	-0.299
A020521_01	At4g12670	putative protein; protein id: At4g12670.1	-0.943	-0.451	0.067	0.297
A020522_01	At2g30740	putative protein kinase; protein id: At2g30740.1	-0.103	-0.045 NA		-0.041
A020523_01	At3g59640	putative protein; protein id: At3g59640.1	NA	NA	NA	-0.806
A020524_01	At3g02040	expressed protein; protein id: At3g02040.1	0.911	1.069	0.99	1.412
A020529_01	At3g11410	hypothetical protein; protein id: At3g11410.1	-1.575	-1.871	-0.965	-1.26
A020530_01	At1g29240	unknown protein; protein id: At1g29240.1	-1.677 NA		-1.355	-1.716
A020533_01	At4g35580	NAM / CUC2 -like protein; protein id: At4g35580.1	-0.521	-1.015	0.065	0.071
A020534_01	At5g38520	putative protein; protein id: At5g38520.1	-0.457	-0.116	-0.36	-0.162
A020535_01	At2g25430	expressed protein; protein id: At2g25430.1	-0.156	-0.262	-0.079	-0.818
A020537_01	At1g71260	unknown protein; protein id: At1g71260.1	NA	0.695	0.679	0.958
A020541_01	At2g42490	putative copper amine oxidase; protein id: At2g4249	-0.37	-1.044	-0.635	-1.108
A020542_01	At2g43080	hypothetical protein; protein id: At2g43080.1	-0.157 NA		-0.118	-0.079
A020543_01	At5g59080	putative protein; protein id: At5g59080.1	NA	NA	NA	NA
A020544_01	At2g39290	putative CDP-diacylglycerol--glycerol-3-phosphate 3	0.606	0.433	0.434	0.344
A020546_01	At2g17220	putative protein kinase; protein id: At2g17220.1	-0.917	-1.063	-0.176	-0.989
A020547_01	At4g34720	vacuolar H+-transporting ATPase 16K chain	-0.149	-0.137	-0.043	-0.55
A020549_01	At3g49360	6-phosphogluconolactonase - like protein; protein id	-0.61	-0.468	0.366	0.207
A020550_01	At3g07110	putative 60S ribosomal protein L13A; protein id: At3	0.796	0.916	0.716	0.978

A020551_01	At4g03260	putative protein phosphatase regulatory subunit; prc	-0.817	-0.84	-0.284	-0.71
A020553_01	At1g29040	expressed protein; protein id: At1g29040.1	0.607	0.822	0.438	0.463
A020554_01	At2g06530	expressed protein; protein id: At2g06530.1	-0.415	-0.389	0.031	-0.399
A020556_01	At3g22840	early light-induced protein; protein id: At3g22840.1	1.097	1	0.771	0.935
A020557_01	At5g23740	40S ribosomal protein S11; protein id: At5g23740.1	0.727 NA		0.978	0.489
A020559_01	At3g60530	GATA zinc finger protein; protein id: At3g60530.1	0.772	1.081	1.183	1.446
A020560_01	At3g47340	glutamine-dependent asparagine synthetase; protei	-2.146	-2.007	-1.257	-1.48
A020562_01	At2g31440	unknown protein; protein id: At2g31440.1	0.229	0.349	0.112	0.198
A020563_01	At3g23490	cyanate lyase (CYN); protein id: At3g23490.1	-0.756	-0.556	-0.358	-0.61
A020564_01	At1g27290	expressed protein; protein id: At1g27290.1	-1.008	-1.295	-0.447	-1.198
A020565_01	At3g10980	unknown protein; protein id: At3g10980.1	-0.976	-0.516	-0.404	-0.555
A020570_01	At5g57660	putative CONSTANS B-box zinc finger protein; prot	-0.966 NA		-0.516	-1.148
A020571_01	At1g45474	light-harvesting chlorophyll a/b binding protein; prote	-0.176	-0.205	-0.309	-0.657
A020572_01	At4g29596	multidrug resistance P-glycoprotein, putative; protei	0.365	0.075	0.428	0.28
A020573_01	At1g73990	SppA protease IV (SppA); protein id: At1g73990.1	-0.19	0.12	-0.278	-0.118
A020575_01	At2g32090	expressed protein; protein id: At2g32090.1	-0.2	-0.23	-0.176	-0.67
A020576_01	At2g33220	expressed protein; protein id: At2g33220.1	0.394	0.282	0.129	-0.112
A020577_01	At2g33120	putative synaptobrevin; protein id: At2g33120.1	-0.56	-0.625	-0.362	-0.715
A020578_01	At5g17310	UDP-glucose pyrophosphorylase; protein id: At5g17	0.65	0.488	0.006	0.066
A020579_01	At5g62090	putative protein; protein id: At5g62090.1	-0.146 NA	NA		-0.501
A020580_01	At4g34230	cinnamyl alcohol dehydrogenase - like protein; prote	-2.423	-2.636	-1.065	-1.336
A020581_01	At1g06670	DEIH-box RNA/DNA helicase; protein id: At1g06670.1	0.354 NA	NA		0.156
A020584_01	At5g15410	cyclic nucleotide-regulated ion channel (CNGC2); p	-0.315	-0.185	-0.16	0.191
A020585_01	At1g61620	expressed protein; protein id: At1g61620.1	-0.187	-0.263 NA		-0.443
A020586_01	At2g31400	unknown protein; protein id: At2g31400.1	-0.428	-0.304	-0.154	-0.181
A020587_01	At1g66340	ethylene-response protein, ETR1; protein id: At1g66	-0.247 NA	NA		-0.09
A020588_01	At3g60690	putative protein; protein id: At3g60690.1	-2.715 NA		-1.852	-2.552
A020589_01	At5g65210	bZIP transcription factor, TGA1; protein id: At5g652	-3.056 NA		-1.946	-2.647
A020590_01	At5g48380	receptor-like protein kinase; protein id: At5g48380.1	-0.673	-1.081	-1.16	-1.072
A020592_01	At5g48480	expressed protein; protein id: At5g48480.1	0.429	0.338	0.475	0.722
A020593_01	At3g20970	expressed protein; protein id: At3g20970.1	0.422	0.433	0.267	-0.034
A020594_01	At4g23690	disease resistance response protein family/ dirigent	0.78	0.715	0.631	0.506
A020595_01	At3g63500	putative protein; protein id: At3g63500.1	-0.954	-1.08 NA	NA	
A020599_01	At1g79500	2-dehydro-3-deoxyphosphooctonate aldolase, putat	1.364	1.124	0.898	1.306
A020600_01	At3g15480	expressed protein; protein id: At3g15480.1	0.744	0.652	0.311	0.065
A020601_01	At1g56210	copper chaperone (CCH)-related; protein id: At1g56	0.384	0.425	0.864	1.135
A020602_01	At2g39940	coronatine-insensitive 1 (COI1), AtFBL2; protein id:	-0.965	-0.857	-0.815	-1.088
A020603_01	At5g06530	ABC transporter family protein; protein id: At5g0653	-2.854	-2.615	-1.02	-1
A020604_01	At3g48680	putative protein; protein id: At3g48680.1	-0.467	-0.256	0.184	0.249
A020605_01	At2g25450	putative dioxygenase; protein id: At2g25450.1	-4.149	-4.375	-2.464	-3.48
A020606_01	At5g52920	pyruvate kinase; protein id: At5g52920.1	0.228	0.196	0.333	0.747
A020608_01	At5g55290	expressed protein; protein id: At5g55290.1	0.165	-0.039	0.126	-0.742
A020610_01	At5g53560	putative cytochrome b5 protein; protein id: At5g5356	-0.058	0.037	0.385	0.317
A020611_01	At1g07990	unknown protein; protein id: At1g07990.1	-0.473	-0.718 NA		-0.589
A020612_01	At5g54430	putative protein; protein id: At5g54430.1	-0.33	0.012	0.162	-0.191
A020613_01	At4g13550	putative protein; protein id: At4g13550.1	-1.317	-1.889	-1.32	-1.54
A020615_01	At1g61820	glycosyl hydrolase family 1; protein id: At1g61820.1 NA	NA		-2.257	-1.982
A020616_01	At2g42310	unknown protein; protein id: At2g42310.1	0.306	0.297	0.313	0.377
A020617_01	At1g54100	aldehyde dehydrogenase homolog, putative; protein	-1.866	-2.223	-1.256	-1.198
A020619_01	At2g44200	expressed protein; protein id: At2g44200.1	-0.325	-0.73	-0.504	-0.487
A020620_01	At4g02920	expressed protein; protein id: At4g02920.1	-0.712	-0.918	-0.882	-0.714
A020621_01	At4g09650	H ⁺ -transporting ATP synthase-like protein; protein i	0.011	0.197	-0.376	-0.898
A020622_01	At3g47550	putative protein; protein id: At3g47550.1	-0.495 NA		-0.217	-0.336
A020623_01	At2g34250	putative protein transport protein SEC61 alpha subu	0.444	0.35	0.106	0.515
A020625_01	At5g22060	expressed protein; protein id: At5g22060.1	-0.22	-0.025	0.565	1.068
A020627_01	At3g17780	unknown protein; protein id: At3g17780.1	1.033	0.872	0.441	0.266
A020629_01	At2g46080	expressed protein; protein id: At2g46080.1	-0.774	-1.025	-0.287	-0.395
A020630_01	At1g75800	thaumatin, putative; protein id: At1g75800.1	-0.482 NA		-0.118	-0.333
A020633_01	At4g36040	DnaJ-like protein; protein id: At4g36040.1	-2.004	-1.618	-1.114	-0.428
A020638_01	At3g18190	chaperonin subunit, putative; protein id: At3g18190.	0.139	0.248	0.043	0.355
A020639_01	At3g20740	fertilization-independent endosperm protein (FIE); p	0.185 NA	NA		-0.097
A020640_01	At3g56050	putative protein kinase; protein id: At3g56050.1	-0.479	-0.31	-0.059	-0.246
A020641_01	At3g03390	unknown protein; protein id: At3g03390.1	-0.074	-0.198	-0.122	-0.421
A020643_01	At4g28050	senescence-associated protein -like; protein id: At4	1.334	1.057	0.697	0.982
A020645_01	At2g01490	expressed protein; protein id: At2g01490.1	-1.398	-1.572	-0.752	-0.923
A020646_01	At3g05840	shaggy related protein kinase, ASK-GAMMA; protei	-0.669	-0.704	-0.045	-0.166
A020647_01	At1g29340	arm repeat containing protein, putative; protein id: A NA	NA		-0.906	-0.797
A020649_01	At3g09740	expressed protein; protein id: At3g09740.1	-0.091	-0.174	0.038	0.652

A020650_01	At1g15340	expressed protein; protein id: At1g15340.1	-0.152	NA	-0.278	-0.459
A020652_01	At1g12410	ATP-dependent Clp protease proteolytic subunit (Cl	0.303	0.129	0.129	0.024
A020653_01	At4g25340	putative protein; protein id: At4g25340.1	0.969	NA	0.606	0.946
A020654_01	At1g49050	expressed protein; protein id: At1g49050.1	-0.759	-1.427	-1.216	-1.068
A020656_01	At3g29810	phytochelatin synthetase-like protein; protein id: At3	-0.626	-1.017	-0.295	-0.501
A020658_01	At3g12600	expressed protein; protein id: At3g12600.1	0.483	0.207	NA	NA
A020659_01	At3g03630	O-acetylserine (thiol) lyase; protein id: At3g03630.1	1.332	1.301	0.686	1.153
A020660_01	At4g17270	putative protein; protein id: At4g17270.1	-0.173	0.171	0.29	0.553
A020661_01	At3g02220	unknown protein; protein id: At3g02220.1	0.31	0.172	0.642	0.324
A020663_01	At1g28250	expressed protein; protein id: At1g28250.1	-0.163	NA	0.103	-0.164
A020664_01	At3g55030	phosphatidylglycerophosphate synthase - like protei	-0.014	0.007	0.202	0.599
A020665_01	At4g32330	putative protein; protein id: At4g32330.1	0.626	0.067	-0.355	-0.598
A020668_01	At2g20130	expressed protein; protein id: At2g20130.1	0.059	-0.022	0.35	-0.029
A020670_01	At5g67250	SKP1 interacting partner 2 (SKIP2); protein id: At5g	-0.073	-0.186	-0.045	-0.348
A020671_01	At4g27580	expressed protein; protein id: At4g27580.1	-0.74	-0.68	-0.724	NA
A020673_01	At1g08550	putative violaxanthin de-epoxidase precursor (U441	-0.218	-0.392	-0.487	-0.875
A020678_01	At5g49540	expressed protein; protein id: At5g49540.1	0.26	0.291	0.392	0.151
A020683_01	At3g52560	E2, ubiquitin-conjugating enzyme, putative; protein i	-0.345	-0.182	0.235	0.157
A020684_01	At2g43150	putative extensin; protein id: At2g43150.1	-0.511	0.361	-0.283	-0.131
A020686_01	At2g36630	unknown protein; protein id: At2g36630.1	-1.643	NA	-0.731	-0.677
A020689_01	At3g44750	putative histone deacetylase; protein id: At3g44750.	1.354	1.172	1.294	1.76
A020690_01	At3g60190	dynamain-like protein 4 (ADL4); protein id: At3g6019	0.017	-0.365	-0.569	-0.613
A020691_01	At4g32260	H ⁺ -transporting ATP synthase chain 9-like protein	-0.477	-0.493	-0.335	-1.312
A020692_01	At2g01650	expressed protein; protein id: At2g01650.1	-0.529	-0.286	-0.21	-0.328
A020694_01	At1g70820	phosphoglucomutase, putative; protein id: At1g7082	0.792	NA	-1.039	-1.22
A020696_01	At4g25230	unknown protein; protein id: At4g25230	-0.416	NA	-0.28	-0.677
A020697_01	At1g78630	ribosomal protein L13, putative; protein id: At1g7863	0.583	0.508	0.463	0.993
A020699_01	At2g30060	Ran binding protein (AtRanBP1b); protein id: At2g30	0.318	0.249	0.339	0.361
A020702_01	At4g30440	putative nucleotide sugar epimerase	-0.859	-0.712	-0.624	-0.851
A020703_01	At5g09450	putative protein; protein id: At5g09450.1	0.371	0.435	-0.04	0.427
A020704_01	At1g02205	hypothetical protein; protein id: At1g02205.1	0.23	0.258	0.701	1.244
A020705_01	At5g46210	cullin; protein id: At5g46210.1	0.142	-0.299	-0.533	-0.588
A020707_01	At3g26400	eukaryotic translation initiation factor 4B, putative; p	0.182	-0.212	NA	-0.157
A020708_01	At1g74910	putative GDP-mannose pyrophosphorylase; protein	-0.82	-0.738	-1.01	-0.477
A020710_01	At1g71030	myb family transcription factor; protein id: At1g7103	-1.867	-1.627	-1.683	-2.072
A020713_01	At5g63860	UVB-resistance protein UVR8 (gb|AAD43920.1); prr NA		NA	-0.078	-0.339
A020714_01	At2g44950	unknown protein; protein id: At2g44950.1	-0.298	-0.462	NA	-0.13
A020716_01	At5g51020	putative protein; protein id: At5g51020.1	-0.317	-0.396	-0.166	-0.251
A020722_01	At3g61790	seven in absentia-like protein; protein id: At3g61790	-0.796	NA	NA	-0.467
A020725_01	At1g54250	RNA polymerase II subunit, putative; protein id: At1	0.157	0.361	0.416	0.582
A020727_01	At1g12000	putative pyrophosphate-fructose-6-phosphate 1-phc	1.147	1.008	1.046	1.384
A020728_01	At1g48410	leaf development protein Argonaute; protein id: At1g	0.3	0.016	0.335	0.58
A020730_01	At3g18000	methyltransferase, putative; protein id: At3g18000.1	1.865	1.43	1.566	2.235
A020731_01	At2g40000	putative nematode-resistance protein; protein id: At	-3.721	NA	-1.827	-2.254
A020732_01	At4g17190	farnesyl pyrophosphate synthetase 2 (FPS2) (farnes	1.278	1.29	0.914	1.334
A020733_01	At5g47770	farnesyl pyrophosphate synthetase 1 (FPS1) (farnes	1.238	1.036	0.906	1.087
A020734_01	At1g17020	SRG1-like protein; protein id: At1g17020.1	-1.109	-1.088	-0.393	0.039
A020735_01	At4g02500	putative glycosyltransferase; protein id: At4g02500.	1.327	1.127	0.4	0.421
A020737_01	At1g20696	expressed protein; protein id: At1g20696.1	-0.622	-0.344	-0.029	-0.265
A020738_01	At5g65360	histone H3 (sp|P05203); protein id: At5g65360.1	0.73	0.504	0.5	0.013
A020740_01	At2g02800	putative protein kinase; protein id: At2g02800.1	-0.441	-0.473	0.065	0.527
A020741_01	At4g26080	protein phosphatase ABI1; protein id: At4g26080.1	-1.364	-1.592	-0.59	-0.96
A020746_01	At5g01750	expressed protein; protein id: At5g01750.2	-0.823	-0.876	-0.229	-0.476
A020748_01	At2g05540	putative glycine-rich protein; protein id: At2g05540.1	-3.92	NA	-1.771	-3.196
A020750_01	At5g47540	putative protein; protein id: At5g47540.1	-0.552	-0.43	-0.47	-0.631
A020751_01	not annotated	Chr1 W/25637330-25637399	-1.64	-1.694	-0.694	-0.388
A020754_01	At3g02110	putative serine carboxypeptidase II; protein id: At3g	0.621	0.453	0.601	0.543
A020756_01	At3g03270	expressed protein; protein id: At3g03270.1	-1.177	-1.319	-0.64	-1.318
A020757_01	At2g18280	F-box containing tubby family protein; protein id: At	-0.137	-0.273	-0.37	-0.305
A020759_01	At4g32660	protein kinase AME3; protein id: At4g32660.1	0.029	-0.271	0.008	0.076
A020760_01	At4g32940	gamma-VPE (vacuolar processing enzyme); protein	-2.379	-2.931	-0.981	-2.128
A020761_01	At3g30390	expressed protein; protein id: At3g30390.1	-1.328	-1.254	-0.778	-1.001
A020762_01	At1g49760	polyadenylate-binding protein (PABP), putative; pro	0.945	0.812	0.595	0.654
A020763_01	At1g10960	ferredoxin precursor isolog; protein id: At1g10960.1	-0.215	0.053	0.012	-0.305
A020765_01	At2g22690	expressed protein; protein id: At2g22690.1	-0.812	-1.104	-0.257	-0.727
A020766_01	At1g79750	putative malate oxidoreductase; protein id: At1g797	0.214	0.428	0.158	0.842
A020767_01	At5g43320	casein kinase I; protein id: At5g43320.1	-0.684	-0.442	-0.197	-0.503
A020769_01	At3g51370	protein phosphatase 2C -like protein; protein id: At3	-0.095	-0.338	-0.344	-0.297

A020771_01	At5g53350	ATP-dependent Clp protease ATP-binding subunit (	-0.826	-1.309	-0.841	-0.681
A020774_01	At5g14060	lysine-sensitive aspartate kinase (gb|AAB63104.1);	0.281	0.384	0.002	-0.166
A020777_01	At2g44500	similar to axi 1 protein from Nicotiana tabacum; prot	-1.933 NA	NA		-1.189
A020778_01	At3g08940	putative chlorophyll a/b-binding protein; protein id: A	-0.772	-0.636	-0.493	-0.995
A020780_01	At2g17190	putative ubiquitin-like protein; protein id: At2g17190	0.118	0.216	-0.111	0.168
A020781_01	At3g02520	14-3-3 protein GF14 nu (grf7); protein id: At3g02520	0.092	0.073	0.2	0.1
A020784_01	At5g57050	protein phosphatase 2C, ABI2; protein id: At5g5705	-1.447	-1.551	-0.999	-1.314
A020785_01	At3g01540	RNA helicase, DRH1; protein id: At3g01540.1	-0.867	-0.805	-0.546	0.325
A020788_01	At3g23050	indoleacetic acid (IAA)-inducible gene (IAA7); protei	0.503	0.511	0.791	0.672
A020795_01	At1g72150	cytosolic factor, putative; protein id: At1g72150.1	-1.45	-1.798	-1.484	-1.501
A020796_01	At5g13420	transaldolase - like protein; protein id: At5g13420.1	0.33	0.015	0.192	-0.012
A020797_01	At5g52470	fibrillarlin 1 AtFib1/SKIP7; protein id: At5g52470.1	0.518	0.51	0.582	1.206
A020798_01	At1g58280	unknown protein; protein id: At1g58280.1	1.026	0.632	0.901	1.125
A020799_01	At5g64400	putative protein; protein id: At5g64400.1	-0.297	-0.144	0.008	-0.573
A020800_01	At2g37250	putative adenylate kinase; protein id: At2g37250.1	0.064	0.233	0.435	0.419
A020802_01	At2g05840	20S proteasome alpha subunit A2 (PAA2); protein id:	0.291	0.062	0.387	0.338
A020803_01	At4g37520	peroxidase, putative; protein id: At4g37520.1	-2.475 NA		-1.553	-3.036
A020806_01	At2g30860	glutathione transferase, putative; protein id: At2g308	-1.287	-1.12	-0.394	-0.103
A020807_01	At4g09000	14-3-3 protein GF14 chi (grf1); protein id: At4g09000	-0.04	0.041	0.147	0.295
A020809_01	At5g40190	calmodulin-binding protein; protein id: At5g40190.1	-0.132	0.054	0.243	-0.147
A020811_01	At5g02560	putative protein; protein id: At5g02560.1	-0.217	-0.57	0.183	-0.514
A020813_01	At3g28200	peroxidase, putative; protein id: At3g28200.1	0.673	0.927	-0.043	-0.072
A020816_01	At2g22300	ethylene-induced calmodulin-binding protein, putativ	-0.523	-1.428	-0.839	-1.45
A020817_01	At4g08390	stromal ascorbate peroxidase, putative (sAPX); prot	0.722	0.777	0.411	0.648
A020818_01	At4g18710	1-aminocyclopropane-1-carboxylate oxidase; protein	0	0.017	0.051	-0.103
A020819_01	At3g48000	aldehyde dehydrogenase (NAD+)-like protein; prote	-1.085	-1.592	-1.327	-0.97
A020820_01	At5g19440	cinnamyl-alcohol dehydrogenase - like protein; prote	0.313	0.282	0.326	0.434
A020821_01	At1g08490	nitrogen fixation protein (nifS), putative; protein id: A	-0.112	-0.312	0.097	-0.035
A020823_01	At3g01090	Snf1-related protein kinase KIN10 (AKIN10); proteir	-0.528	-0.33	-0.476	-0.662
A020825_01	At1g17530	inner mitochondrial membrane protein, putative; pro	-0.354	-0.305	0.248	-0.326
A020826_01	At4g01120	G-box binding factor(bZIP protein), putative; protein	-0.706	-0.655	-0.229	-0.258
A020827_01	At3g47730	ABC transporter family protein; protein id: At3g4773	-0.997 NA	NA	NA	
A020828_01	At3g19580	zinc finger protein, putative; protein id: At3g19580.1	-2.468 NA		-0.776	-2.267
A020831_01	At3g23590	unknown protein; protein id: At3g23590.1	-0.32	-0.161	-0.374	-0.589
A020835_01	At1g29070	plastid ribosomal protein L34 precursor, putative; pr	0.695	0.953	0.381	0.131
A020836_01	At1g05010	1-aminocyclopropane-1-carboxylate oxidase; proteir	-1.934	-2.077	-0.786	-1.576
A020838_01	At3g25480	rhodanese-like domain protein; protein id: At3g2548	0.233	0.169	0.201	0.084
A020839_01	At1g35470	unknown protein; protein id: At1g35470.1	0.118	-0.118	0.112	0.594
A020841_01	At5g60180	pumilio-family RNA-binding protein, putative; proteir	-0.609	-0.521	-0.479	0.104
A020842_01	At1g04270	putative 40S ribosomal protein S15; protein id: At1g	0.666	0.749	0.813	0.971
A020843_01	At4g30930	WRKY family transcription factor; protein id: At4g30	1.149	1.07	0.893	1.159
A020844_01	At5g05080	E2, ubiquitin-conjugating enzyme, putative; protein i	0.313	-0.106	0.478	0.389
A020845_01	At5g16470	putative protein; protein id: At5g16470.1	-0.183	-0.329	0.281	-0.233
A020847_01	At1g10070	tat-binding protein, putative; protein id: At1g10070.1	-2.969	-2.979	-1.731	-1.784
A020849_01	At5g17280	putative protein; protein id: At5g17280.1	-0.723	-0.518	-0.205	-0.609
A020850_01	At2g44350	citrate synthase; protein id: At2g44350.1	0.133	0.086	0.061	0.493
A020852_01	At1g15930	40S ribosomal protein S12, putative; protein id: At1g	0.049	0.434	0.299	0.681
A020853_01	At3g54670	structural maintenance of chromosomes (SMC) - lik	-0.481	-0.338	0.121	0.698
A020854_01	At3g18440	unknown protein; protein id: At3g18440.1	0.138 NA	NA		-0.658
A020855_01	At3g27925	DegP protease; protein id: At3g27925.1	-1.47	-1.307	-1.2	-0.82
A020860_01	At5g44080	bZIP transcription factor, G-box binding factor 4-rela	-0.211	-0.384	0.092	-0.35
A020861_01	At4g02840	small nuclear riboprotein Sm-D1-like protein; proteir	0.657	0.329	0.461	0.606
A020863_01	At2g39730	auxin-regulated protein; protein id: At2g39730.1	-1.202	-0.848	-0.417	-0.773
A020866_01	At5g65630	putative protein; protein id: At5g65630.1	0.595	0.309 NA		0.443
A020868_01	At3g10020	expressed protein; protein id: At3g10020.1	-0.859	-0.981	-0.446	-1.217
A020869_01	At5g54080	homogentisate 1,2-dioxygenase; protein id: At5g540	-2.222	-2.343	-1.137	-2.021
A020870_01	At4g39980	2-dehydro-3-deoxyphosphoheptonate aldolase; prot	0.781	0.61	-0.015	0.488
A020871_01	At5g27540	unknown protein; protein id: At5g27540	-0.132	0.037	0.065	0.559
A020872_01	At4g17050	hypothetical protein; protein id: At4g17050.1	0.7	0.43	0.406	0.729
A020873_01	At3g21670	nitrate transporter; protein id: At3g21670.1	-1.229	-1.589	-0.669	-0.7
A020876_01	At1g65270	expressed protein; protein id: At1g65270.1	0.356	0.1	0.135	0.05
A020879_01	At5g48790	expressed protein; protein id: At5g48790.1	0.049	-0.267	-0.648	-0.464
A020880_01	At4g34050	caffeoyl-CoA 3-O-methyltransferase; protein id: At4	-1.738	-2.211	-0.869	-1.248
A020881_01	At4g08330	putative protein; protein id: At4g08330.1	-0.823	-0.497	-0.341	-0.315
A020882_01	At2g20760	expressed protein; protein id: At2g20760.1	0.493	0.478	0.305	0.524
A020883_01	At2g39930	putative isoamylase; protein id: At2g39930.1	0.847	0.798	0.623	1.032
A020889_01	At4g11600	glutathione peroxidase, putative; protein id: At4g116	-0.991	-0.502	-0.587	-0.346
A020892_01	At3g07330	unknown protein; protein id: At3g07330.1	-0.112	0.437	-0.005	0.226

A020900_01	At1g20090	rac family GTP-binding protein (ARAC4); protein id:	0.186	0.076	0.14	0.709
A020902_01	At1g68530	very-long-chain fatty acid condensing enzyme (CUT	-0.93	-0.966	-0.637	-0.9
A020905_01	At5g08260	serine-type carboxypeptidase II-like protein; protein	1.163	1.099	0.902	1.442
A020906_01	At3g55620	eukaryotic translation initiation factor 6 (EIF-6) - like	0.059	-0.188	0.245	0.178
A020910_01	At5g13710	24-sterol C-methyltransferase; protein id: At5g13710	0.832	0.802	0.694	0.887
A020916_01	At1g11840	glyoxalase I, putative (lactoylglutathione lyase); prot	1.032	0.824	0.266	0.646
A020917_01	At1g75380	wound-responsive protein, putative; protein id: At1g	-2.198	-2.687	-1.808	-1.764
A020919_01	At3g25860	dihydrolipoamide S-acetyltransferase; protein id: At	1.342	1.109	0.792	1.095
A020924_01	At1g69460	unknown protein; protein id: At1g69460.1	0.383	0.118	0.244	NA
A020926_01	At5g67360	subtilisin-like serine protease ARA12; protein id: At	-0.871	-0.584	-0.106	-0.334
A020928_01	At4g15560	DEF (CLA1) protein; protein id: At4g15560.1	-0.01	-0.116	-0.466	-0.239
A020929_01	At1g01490	expressed protein; protein id: At1g01490.1	-1.747	-1.776	-1.136	-1.518
A020930_01	At1g48750	lipid transfer protein, putative; protein id: At1g48750	0.84	0.633	1.103	1.399
A020934_01	At5g44720	putative protein; protein id: At5g44720.1	0.506	0.427	0.512	0.502
A020937_01	At4g11100	putative protein; protein id: At4g11100.1	0.469	0.434	0.302	0.019
A020943_01	At2g47170	ADP-ribosylation factor 1; protein id: At2g47170.1	0.177	-0.034	0.36	0.045
A020944_01	At2g46420	expressed protein; protein id: At2g46420.1	0.56	0.267	0.725	0.96
A020949_01	At1g76700	putative DnaJ protein; protein id: At1g76700.1	-0.599	-0.551	-0.419	NA
A020952_01	At1g22640	myb family transcription factor; protein id: At1g2264	-1.24	-1.034	0.141	-0.07
A020955_01	At2g16700	actin depolymerizing factor 5; protein id: At2g16700	-1.284	-1.456	-1.61	-2.069
A020958_01	At1g53580	glyoxalase II, putative (hydroxyacylglutathione hydr	-2.236	-2.204	-1.076	-1.427
A020959_01	At2g20260	putative photosystem I reaction center subunit IV; p	-0.321	-0.184	-0.467	-1.466
A020960_01	At5g07470	peptide methionine sulfoxide reductase (msr); prote	-1.274	-0.99	-0.594	-0.841
A020961_01	At1g21630	unknown protein; protein id: At1g21630.1	-0.231	NA	NA	NA
A020964_01	At1g08940	unknown protein; protein id: At1g08940.1	-0.353	NA	NA	NA
A020965_01	At5g45620	26S proteasome regulatory subunit (RPN9), putative	0.56	0.124	0.141	0.519
A020970_01	At4g29680	nucleotide pyrophosphatase - like protein; protein id	1.253	0.848	0.663	0.999
A020971_01	At5g42180	peroxidase, putative; protein id: At5g42180.1	-2.716	-2.933	-2.964	-3.519
A020974_01	At5g43270	squamosa promoter binding protein-like 2 (emb)CAI	0.554	0.717	0.864	1.225
A020976_01	At3g05930	germin-like protein; protein id: At3g05930.1	-0.659	NA	-0.417	NA
A020978_01	At3g20210	vacuolar processing enzyme/asparaginyl endopepti	1.374	1.026	1.487	1.974
A020980_01	At5g40370	glutaredoxin -like protein; protein id: At5g40370.1	-1.258	-1.245	-0.739	-1.134
A020981_01	At5g20160	ribosomal protein L7Ae-like; protein id: At5g20160.1	0.239	0.392	0.756	0.906
A020982_01	At1g06760	histone H1, putative; protein id: At1g06760.1	0.053	-0.139	-0.158	-0.653
A020985_01	At4g00860	stress-induced protein OZ11 precursor; protein id: A	0.228	0.217	0.441	-0.187
A020987_01	At2g41720	putative salt-inducible protein; protein id: At2g41720	0.573	0.255	-0.296	-0.191
A020991_01	At1g78300	14-3-3 protein GF14 omega (grf2); protein id: At1g7	0.227	-0.265	0.159	0.135
A020992_01	At4g15545	expressed protein; protein id: At4g15545.1	-1.213	-1.473	-0.889	-0.446
A020997_01	At1g67700	auxin-regulated protein; protein id: At1g67700.2	0.054	-0.155	-0.388	-0.91
A020998_01	At2g47610	60S ribosomal protein L7A; protein id: At2g47610.1	0.665	0.754	0.712	1.183
A020999_01	At1g58380	ribosomal protein S2, putative; protein id: At1g5838	0.412	0.367	0.94	1.236
A021002_01	At4g35890	putative protein; protein id: At4g35890.1	-0.207	-0.149	-0.046	-0.112
A021003_01	At2g39150	unknown protein; protein id: At2g39150.1	0.446	0.55	-0.076	0.11
A021005_01	At3g26420	glycine-rich RNA-binding protein; protein id: At3g26	0.262	0.532	0.414	0.441
A021009_01	At5g25060	RRM-containing protein; protein id: At5g25060.1	-0.083	-0.205	NA	-0.751
A021010_01	At1g09590	putative 60S ribosomal protein L21; protein id: At1g	1.181	0.694	0.792	1.699
A021011_01	At3g02090	putative mitochondrial processing peptidase; protei	0.32	0.154	0.193	0.462
A021012_01	At2g41470	unknown protein; protein id: At2g41470.1	0.264	0.307	0.471	0.188
A021015_01	At1g61150	hypothetical protein; protein id: At1g61150.1	-0.04	-0.207	0.177	0.105
A021019_01	At4g11260	putative protein; protein id: At4g11260.1	-0.213	-0.101	-0.113	-0.199
A021021_01	At5g28540	luminal binding protein; protein id: At5g28540.1	1.28	0.811	0.772	1.117
A021025_01	At5g01410	pyridoxine biosynthesis protein - like; protein id: At5	-0.131	-0.186	0.15	0.257
A021026_01	At5g65730	xyloglucan endo-transglycosylase-like protein	0.033	0.286	-0.362	-0.354
A021034_01	At4g27440	protochlorophyllide reductase precursor; protein id:	1.156	1.168	-0.881	-0.847
A021035_01	At5g63190	topoisomerase, putative; protein id: At5g63190.1	-1.325	-1.461	-1.034	-0.836
A021037_01	At4g12420	pectinesterase (pectin methylesterase) family; prote	1.53	1.126	0.285	0.416
A021040_01	At4g21960	peroxidase, putative; protein id: At4g21960.1	0.17	0.039	0.257	0.713
A021041_01	At2g44160	putative methylenetetrahydrofolate reductase; prote	-0.014	-0.36	-0.031	0.696
A021042_01	At4g17090	glycosyl hydrolase family 14 (beta-amylase); proteir	-1.223	-1.327	-0.862	-1.036
A021044_01	At4g24780	putative pectate lyase; protein id: At4g24780.1	0.096	0.502	0.765	1.153
A021045_01	At2g35820	expressed protein; protein id: At2g35820.1	-1.178	-0.907	0.008	-0.341
A021046_01	At2g34480	60S ribosomal protein L18A; protein id: At2g34480.	0.491	0.392	0.626	1.333
A021047_01	At3g18780	actin 2; protein id: At3g18780.1	-0.452	-0.301	-0.525	-0.446
A021048_01	At5g58030	SPP30 - like protein; protein id: At5g58030.1	0.769	0.67	0.717	0.61
A021049_01	At2g27720	60S acidic ribosomal protein P2; protein id: At2g27	0.872	0.705	0.578	0.555
A021051_01	At2g21660	glycine-rich RNA binding protein AtGRP7; protein id	0.094	0.22	-0.168	-0.181
A021053_01	At5g24770	vegetative storage protein Vsp2; protein id: At5g247	1.121	0.784	-0.13	-0.4
A021055_01	At5g67420	putative protein; protein id: At5g67420.1	-1.139	-1.042	-0.293	-0.715

A021057_01	At1g07890	ascorbate peroxidase, putative (APX); protein id: At	0.439	0.269	0.546	1.019
A021058_01	At5g64280	2-oxoglutarate/malate translocator; protein id: At5g6	-1.484	-0.963	-1.011	-1.338
A021059_01	At1g53240	mitochondrial NAD-dependent malate dehydrogena	1.127	1.084	0.85	1.228
A021061_01	At4g13510	ammonium transport protein (AMT1); protein id: At4	-0.728 NA		-0.381	-1.56
A021062_01	At3g53750	actin (ACT3); protein id: At3g53750.1	1.097	0.94	0.598	0.895
A021063_01	At3g61430	plasma membrane intrinsic protein 1a; protein id: At	-0.589	-0.627	0.13	0.315
A021064_01	At1g48900	signal recognition particle 54 kDa protein 2 (SRP54	0.374	0.189	0.186	0.797
A021065_01	At2g37130	peroxidase, putative (ATP2a); protein id: At2g37130	-2.362	-2.489	-1.11	-2.38
A021066_01	At5g42720	glycosyl hydrolase family 17; protein id: At5g42720.	0.159	-0.094 NA		0.468
A021067_01	At1g69890	expressed protein; protein id: At1g69890.1	-1.434 NA		-0.887	-2.072
A021068_01	At5g06950	bZIP transcription factor, HBP-1b homolog; protein i	-0.246 NA	NA		-0.057
A021069_01	At5g40760	glucose-6-phosphate dehydrogenase; protein id: At	-0.205	-0.444	-0.14	-0.162
A021070_01	At3g08580	adenylate translocator; protein id: At3g08580.2	0.176	0.525	0.214	1.151
A021071_01	At4g37790	homeobox protein HAT22; protein id: At4g37790.1	-1.977	-1.678	-1.3	-1.563
A021072_01	At1g23130	Csf-2-related; protein id: At1g23130.1	-3.929	-4.721	-2.604	-3.875
A021073_01	At2g30410	TCP1-chaperonin cofactor A isolog; protein id: At2g	0.692	0.44	0.505	0.123
A021074_01	At1g03870	fasciclin-like arabinogalactan-protein (FLA9); protei	0.621	0.623	0.487	0.122
A021076_01	At4g10450	putative ribosomal protein L9, cytosolic; protein id: /	0.852	0.902	1.226	1.081
A021078_01	At5g01530	chlorophyll a/b-binding protein CP29	-0.21	-0.209	-0.491	-0.9
A021079_01	At1g10150	expressed protein; protein id: At1g10150.1	-1.405 NA		-1.152	-1.159
A021081_01	At3g53460	29 kDa ribonucleoprotein, chloroplast precursor (RN	1.066	0.764	-0.137	-0.061
A021084_01	At4g35450	ankyrin repeat-containing protein 2; protein id: At4g;	0.113	-0.029	-0.078	-0.03
A021085_01	At5g26340	hexose transporter - like protein; protein id: At5g263	-1.464 NA		-1.007 NA	
A021086_01	At1g06650	oxidoreductase, putative; protein id: At1g06650.1	-1.208	-1.35	-0.751	-1.191
A021088_01	At3g13340	expressed protein; protein id: At3g13340.1	-0.263	-0.16	-0.194	0.193
A021089_01	At1g62660	glycosyl hydrolase family 32; protein id: At1g62660.	-0.055	-0.317	-0.256	-0.535
A021093_01	At4g20260	endomembrane-associated protein; protein id: At4g	-2.171	-2.307	-0.956	-1.644
A021094_01	At1g21080	expressed protein; protein id: At1g21080.1	-0.583	-0.423	-0.568 NA	
A021097_01	At5g42980	thioredoxin (clone GIF1) (pir|S58118); protein id: At	-1.148	-1.553	-0.477	-0.37
A021099_01	At3g63490	chloroplast ribosomal L1 - like protein; protein id: At	0.285	0.238	0.067	0.036
A021100_01	At1g02780	ribosomal protein L19, putative; protein id: At1g027	0.981	0.538	0.657	0.953
A021102_01	At1g67580	putative protein kinase; protein id: At1g67580.1	-0.634	-0.381	-0.12	0.335
A021103_01	At5g62920	response regulator 6 (ARR6); protein id: At5g62920	0.806	1.059	-0.274	-0.162
A021104_01	At4g26750	putative protein; protein id: At4g26750.1	-0.66	-0.391	-0.188	0.238
A021106_01	At3g49560	putative protein; protein id: At3g49560.1	0.287	0.463	0.484	0.37
A021107_01	At5g64680	unknown protein; protein id: At5g64680.1	0.486	0.269	1.053	1.079
A021108_01	At3g01290	expressed protein; protein id: At3g01290.1	NA	NA	NA	NA
A021109_01	At5g53970	putative tyrosine aminotransferase	NA	NA	-0.968	-1.954
A021110_01	At2g14680	unknown protein; protein id: At2g14680.1	-0.297	-0.297 NA		0.162
A021111_01	At1g67360	stress related protein, putative; protein id: At1g6736	-0.129	-0.165	0.342	0.274
A021112_01	At5g35630	glutamate-ammonia ligase (EC 6.3.1.2) precursor, c	-0.207	-0.073	-0.123	0.188
A021113_01	At2g01590	expressed protein; protein id: At2g01590.1	-0.051	0.097	-0.155	-0.275
A021117_01	At3g48890	putative progesterone-binding protein homolog Atm	-0.109	-0.003	-0.051	-0.107
A021118_01	At5g47820	kinesin-related protein; protein id: At5g47820.1	0.292	-0.091	0.319	0.235
A021119_01	At3g61860	arginine/serine-rich splicing factor, atRSp31; protein	-0.037	-0.277	0.32	0.283
A021120_01	At1g70780	EST, expressed protein; protein id: At1g70780.1	-0.069	-0.146	-0.109	-0.654
A021121_01	At3g06720	importin alpha; protein id: At3g06720.2	-0.151	0.058	-0.227	0.134
A021123_01	At2g48070	expressed protein; protein id: At2g48070.1	0.366	0.476	0.234	-0.024
A021124_01	At5g55100	putative protein; protein id: At5g55100.1	-0.229	-0.158	-0.277	-0.024
A021125_01	At1g01820	expressed protein; protein id: At1g01820.1	-0.432	-0.619	-0.287	-0.591
A021126_01	At3g10350	putative ATPase; protein id: At3g10350.1	-0.129	-0.243	-0.225 NA	
A021127_01	At1g76340	unknown protein; protein id: At1g76340.1	0.35	0.052	0.359	0.513
A021128_01	At4g27700	rhodanese-like domain protein; protein id: At4g2770	0.039	-0.355	-0.335	-0.584
A021129_01	At1g59870	A.t. fasciclin-like arabinogalactan-protein 9 (Fla9) m	-1.953	-1.947	-1.385	-2.68
A021130_01	At1g09070	expressed protein; protein id: At1g09070.1	-1.351	-1.279	-0.499	-1.104
A021131_01	At1g76180	dehydrin, putative; protein id: At1g76180.1	-0.714	-1.099	-0.628	-0.937
A021132_01	At5g66140	20S proteasome alpha subunit D2 (PAD2); protein i	0.273	0.657	0.492	0.771
A021133_01	At1g11190	bifunctional nuclease bfn1; protein id: At1g11190.1	-2.379	-2.802	-1.174	-1.449
A021134_01	At3g03250	putative UDP-glucose pyrophosphorylase; protein ic	0.548	0.148	0.147	0.461
A021136_01	At4g37640	calcium-transporting ATPase 2, plasma membrane-	0.255	0.179	0.452	0.796
A021137_01	At1g64370	expressed protein; protein id: At1g64370.1	-3.564	-4.007	-2.287	-3.292
A021139_01	At2g35870	unknown protein; protein id: At2g35870.1	NA	-0.307 NA		0.068
A021140_01	xxxx	b/t hypothetical protein; protein id: At1g62305.1 and	-0.232 NA		-0.706	-0.061
A021142_01	not annotatetd	Chr1 W/13147608-13147677 downstream of At1g3	-1.471	-1.335	-0.665	-0.437
A021146_01	not annotatetd	Chr4 W/7277126-7277195	-0.13	0.106	-0.01	0.206
A021147_01	At5g07220	putative protein; protein id: At5g07220.1	-1.354	-1.572	-1.005	-0.796
A021148_01	At2g44450	glycosyl hydrolase family 1; protein id: At2g44450.1	-0.97	-0.636	-0.423	0.008
A021149_01	At2g26560	patatin, putative; protein id: At2g26560.1	NA	NA	NA	NA

A021150_01	At5g24760	alcohol dehydrogenase - like protein; protein id: At5	-0.487	0.233	-0.202	0.334
A021160_01	At1g66730	DNA ligase I, putative; protein id: At1g66730.1	-1.071	-0.374	-0.461	0.172
A021195_01	xxxx	No hits found	-0.001	-0.323 NA		-0.477
A021200_01	At5g39530	putative protein; protein id: At5g39530.1	0.288	0.235	0.052	-0.056
A021206_01	At1g63120	membrane protein, putative; protein id: At1g63120.1	-0.321	-0.648	-0.125	-0.57
A021207_01	At5g04740	putative protein; protein id: At5g04740.1	0.242	0.126	0.055	0.214
A021208_01	At4g19270	hypothetical protein; protein id: At4g19270.1	0.445	-0.017 NA		-0.327
A021209_01	not annotated	Chr4 C/16247353-1624739616247353-16247396	-0.907 NA		-1.035	-1.377
A021212_01	xxxx	No hits found	0.286	0.294	0.591	0.055
A021213_01	At1g07820	histone H4; protein id: At1g07820.1	1.107	0.851	0.752	0.802
A021214_01	At4g13850	glycine-rich RNA-binding protein AtGRP2; protein id:	0.432	0.379	0.377	0.556
A021218_01	At4g26840	ubiquitin-like protein; protein id: At4g26840.1	0.155	0.079	0.543	0.104
A021219_01	At5g03240	polyubiquitin (UBQ3); protein id: At5g03240.1	-1.288	-1.125	-1.341	-1.213
A021220_01	At5g37780	calmodulin 1 (CAM1); protein id: At5g37780.1	0.299	-0.071	0.12	-0.034
A021222_01	At3g62250	ubiquitin extension protein (UBQ5); protein id: At3g6	0.654	0.318	0.655	1.054
A021223_01	At2g17560	putative HMG protein; protein id: At2g17560.1	0.439	0.41	0.862	0.774
A021224_01	At3g47560	putative protein; protein id: At3g47560.1	0.199	0.146	0.07	-0.105
A021225_01	At3g46430	putative protein; protein id: At3g46430.1	0.57	0.334	0.442	0.053
A021227_01	At3g58200	putative protein; protein id: At3g58200.1	1.05	0.998	1.31	1.565
A021230_01	At3g49580	putative protein; protein id: At3g49580.1	-3.173	-3.875	-2.59 NA	
A021233_01	At3g59540	60S RIBOSOMAL PROTEIN L38-like protein; protei	0.76	0.772	0.864	0.677
A021234_01	At3g59600	putative protein; protein id: At3g59600.1	-0.051	-0.123	0.255	0.195
A021235_01	At3g55170	ribosomal protein L35 -like; protein id: At3g55170.1	0.757	0.759	0.632	0.254
A021238_01	At3g59810	U6 snRNA-associated Sm-like protein; protein id: A	-0.302	0.165	0.324	-0.267
A021239_01	At1g03430	putative AHP2; protein id: At1g03430.1	-0.445	-0.391	-0.092	0.005
A021241_01	At3g54380	T12E18.70; protein id: At3g54380	-0.352	-0.033	-0.171	0.225
A021249_01	At1g07610	metallothionein-like protein; protein id: At1g07610.1	-2.841	-3.377	-2.439	-2.777
A021252_01	At3g45030	40S ribosomal protein; protein id: At3g45030.1	0.606	0.544	0.437	0.917
A021253_01	At5g15200	40S ribosomal protein - like; protein id: At5g15200.1	0.895	0.636	0.788	1.516
A021261_01	At4g36130	putative ribosomal protein L8; protein id: At4g36130	0.814	0.518	0.521	0.815
A021267_01	At4g27230	histone H2A- like protein; protein id: At4g27230.1	0.51	0.288	0.51	0.255
A021269_01	At4g26710	putative protein; protein id: At4g26710.1		NA	-0.285	-0.049
A021274_01	At4g26230	putative ribosomal protein; protein id: At4g26230.1	0.979	0.926	0.62	0.502
A021276_01	At4g09900	putative host response protein; protein id: At4g0990	-0.614	-0.386	-0.16	-0.297
A021293_01	At4g29770	expressed protein; protein id: At4g29770.1	0.713	0.997	0.844	1.155
A021294_01	At4g29850	putative protein; protein id: At4g29850.1	-0.647	-0.436	-0.081	-0.718
A021295_01	At4g25690	hypothetical protein; protein id: At4g25690.1	-0.541	-0.619	-0.571	-0.713
A021299_01	At4g29760	putative protein; protein id: At4g29760.1	1.126	1.072	1.271	1.753
A021303_01	At3g47370	40S ribosomal protein S20-like protein; protein id: A	0.901	0.872	0.566	0.491
A021309_01	At4g01060	myb family transcription factor; protein id: At4g0106	-2.885 NA		-1.396 NA	
A021313_01	At4g02890	polyubiquitin (UBQ14); protein id: At4g02890.1	-0.879	-1.363	-0.448	0.102
A021323_01	At4g07950	putative DNA-directed RNA polymerase subunit; pro	0.214 NA		0.483	0.476
A021335_01	At4g15700	glutaredoxin homolog; protein id: At4g15700.1	-1.031 NA		NA	-1.791
A021338_01	At4g30330	small nuclear ribonucleoprotein homolog; protein id:	1.547	1.277	1.304	1.025
A021339_01	At5g01610	putative protein; protein id: At5g01610.1	-0.699	-0.602 NA		NA
A021340_01	At3g62400	cytochrome c oxidase subunit 5c-like protein; protei	0.229	0.059	0.265	-0.389
A021341_01	At3g62790	putative protein; protein id: At3g62790.1	0.382	0.374	0.409	0.193
A021342_01	At5g04790	unknown protein; protein id: At5g04790.1	0.006	-0.026	-0.062	-0.106
A021344_01	At5g07090	40S ribosomal protein S4; protein id: At5g07090.1	0.821	0.733 NA		0.808
A021347_01	At5g07580	transcription factor-like protein (emb|CAB87947.1)	-0.916	-0.786	-0.167	-0.635
A021354_01	At3g28080	expressed protein; protein id: At3g28080.1	-0.957	-1.084 NA		NA
A021368_01	At3g17440	expressed protein; protein id: At3g17440.1	-0.124	-0.136	-0.416	-0.179
A021372_01	At3g19980	protein phosphatase; protein id: At3g19980.1	-0.38	-0.451	-0.27	-0.14
A021375_01	At5g10980	histone H3 protein	-0.689	-0.723	-0.278	-0.334
A021377_01	At3g26860	putative self-incompatibility protein; protein id: At3g;	-0.572	-0.664 NA		NA
A021389_01	At3g18740	60S ribosomal protein, putative; protein id: At3g187	0.922	0.674	0.995	1.493
A021392_01	At5g16450	expressed protein; protein id: At5g16450.1	-0.036	-0.243	0.186	0.059
A021395_01	At5g42990	ubiquitin-conjugating enzyme-like protein	-0.301	-0.447	0.084	0.071
A021401_01	At3g15060	ras family GTP-binding protein, putative; protein id:	0.267	0.115	-0.185	-0.458
A021411_01	At5g18020	auxin-induced protein-like; protein id: At5g18020.1	0.553	0.691	0.508	0.256
A021413_01	At5g18040	putative protein; protein id: At5g18040.1	-0.293	-0.511	-0.237	-0.306
A021419_01	At5g24660	putative protein; protein id: At5g24660.1	-2.234	-2.421	-1.156	-2.633
A021427_01	At5g54760	protein translation factor Sui1 homolog (sp P41568)	-0.094	-0.411	0.036	-0.077
A021428_01	At5g05670	signal recognition particle receptor beta subunit-like	0.53 NA		0.649	0.469
A021434_01	At5g45750	putative Rab-type small GTP-binding protein	1.002	1.292	0.578	0.673
A021438_01	At5g36790	p-nitrophenylphosphatase-like protein; protein id: At	-0.705	-0.623	-0.384	-0.563
A021440_01	At3g16100	GTP-binding protein, putative; protein id: At3g16100	0.372	0.51	0.367	0.409
A021441_01	At5g59840	GTP-binding protein ara-3; protein id: At5g59840.1	-1.126	-0.918	-0.736	-0.798

A021444_01	At5g59910	histone H2B - like protein; protein id: At5g59910.1	0.299	0.413	0.55	0.675
A021451_01	At5g51620	unknown protein; protein id: At5g51620.1	-0.35	-0.259	-0.242	-0.178
A021454_01	At5g40080	putative protein; protein id: At5g40080.1	0.443	0.57	0.772	0.405
A021462_01	At5g05040	putative protein; protein id: At5g05040.1	-0.075	0.102	0.212	-0.269
A021464_01	At5g62720	putative protein; protein id: At5g62720.1	-0.12	0.103	0.18	-0.322
A021466_01	At5g38760	pollen coat -like protein; protein id: At5g38760.1	-0.841	-0.644	-0.869	-1.778
A021467_01	At5g66550	putative protein; protein id: At5g66550.1	0.593	1.032	0.346	0.382
A021472_01	At5g43640	40S ribosomal protein S15; protein id: At5g43640.1	0.487	0.838	0.634	0.324
A021474_01	At5g38650	putative protein; protein id: At5g38650.1	-0.28	-0.17	0.005	-0.332
A021476_01	At5g05590	phosphoribosylanthranilate isomerase; protein id: A	0.589	0.466	0.467	0.62
A021491_01	At5g05370	ubiquinol-cytochrome C reductase complex ubiquin	0.277	0.388	0.629	0.285
A021492_01	At5g45010	putative protein; protein id: At5g45010.1	-0.257	0.264	0.254	-0.318
A021494_01	At5g40130	60S RIBOSOMAL PROTEIN L5 -like; protein id: At5	0.751	0.748	0.708	0.804
A021497_01	At5g56670	40S ribosomal protein S30 homolog (emb|CAB7969	1.048	1.013	1.059	0.681
A021498_01	At5g39800	expressed protein; protein id: At5g39800.1	0.501	0.73	0.806	0.26
A021500_01	At5g47700	60S acidic ribosomal protein P1-like protein; protein	0.7	0.674	0.649	0.708
A021510_01	At5g58420	ribosomal protein S4 - like; protein id: At5g58420.1	0.759	0.77	0.997	1.338
A021511_01	At5g65060	MADS-box protein; protein id: At5g65060.1	-0.108	-0.088	0.229	0.039
A021517_01	At5g09510	ribosomal protein S15-like; protein id: At5g09510.1	0.817	0.61	0.517	0.437
A021520_01	At2g02390	glutathione transferase, putative; protein id: At2g02	-1.868	-2.105	-0.774	-1.191
A021521_01	At3g14310	putative pectin methylesterase; protein id: At3g1431	0.485	0.478	-0.34	-0.318
A021526_01	At1g22840	putative cytochrome C; protein id: At1g22840.1	0.32	0.297	0.433	0.657
A021528_01	At2g44290	unknown protein; protein id: At2g44290.1	-0.178	-0.109	-0.822	-1.387
A021529_01	not annotatetd	Chr3 C/10728051-10728120	-0.858	-0.921	-0.257	-0.718
A021538_01	At1g75440	E2, ubiquitin-conjugating enzyme 16 (UBC16); prote	-1.027	-0.729	NA	-0.764
A021539_01	At1g29410	phosphoribosylanthranilate isomerase; protein id: A	0.371	0.717	0.371	0.768
A021542_01	At1g54690	histone H2A, putative; protein id: At1g54690.1	0.881	0.852	0.268	0.365
A021546_01	At5g25120	cytochrome p450 family; protein id: At5g25120.1	NA	NA	NA	NA
A021549_01	At1g26910	putative 60s ribosomal protein L10; protein id: At1g	0.408	0.312	0.691	0.848
A021551_01	At1g04470	unknown protein; protein id: At1g04470.1	0.983	1.269	0.632	0.647
A021552_01	At1g04410	putative malate dehydrogenase; protein id: At1g044	0.035	0.026	-0.121	0.026
A021557_01	At1g51250	unknown protein; protein id: At1g51250.1	-0.612	-0.481	NA	NA
A021560_01	At1g16430	expressed protein; protein id: At1g16430.1	0.635	0.585	0.581	0.292
A021562_01	At1g13990	expressed protein; protein id: At1g13990.1	-2.978	NA	-1.219	-3.4
A021563_01	At1g14010	unknown protein; protein id: At1g14010.1	0.573	0.709	0.444	0.394
A021565_01	At3g46560	small zinc finger-like protein TIM9; protein id: At3g4	0.861	0.894	1.102	0.928
A021567_01	At1g21770	expressed protein; protein id: At1g21770.1	-0.501	-0.408	-0.138	-0.928
A021568_01	At1g68650	transmembrane protein, putative; protein id: At1g68	0.431	0.094	0.112	-0.048
A021577_01	At1g01100	acidic ribosomal protein, putative; protein id: At1g01	0.78	0.664	0.831	0.644
A021580_01	At2g43810	putative small nuclear ribonucleoprotein polypeptide	0.308	0.459	0.368	0.022
A021585_01	At2g18990	putative ATP binding protein; protein id: At2g18990.	1.159	1.005	0.989	0.969
A021587_01	At2g42190	expressed protein; protein id: At2g42190.1	-0.069	-0.156	0.099	-0.209
A021589_01	At2g26750	putative epoxide hydrolase; protein id: At2g26750.1	-0.803	-0.821	-0.638	-1.155
A021592_01	At2g29300	putative tropinone reductase; protein id: At2g29300. NA		-1.031	NA	NA
A021593_01	At2g29310	putative tropinone reductase; protein id: At2g29310.	1.106	1.365	0.175	0.274
A021594_01	At2g29320	putative tropinone reductase; protein id: At2g29320.	-1.45	-1.503	-1.106	-1.233
A021595_01	At2g29370	putative tropinone reductase; protein id: At2g29370. NA	NA	NA		-2.182
A021601_01	At2g37600	60S ribosomal protein L36; protein id: At2g37600.1	1.064	0.619	0.808	NA
A021607_01	At2g24040	unknown protein; protein id: At2g24040.1	-1.502	-1.031	-0.654	-1.403
A021613_01	At2g28740	histone H4; protein id: At2g28740.1	1.373	1.157	1.033	0.858
A021615_01	At2g16830	unknown protein; protein id: At2g16830.1	-0.138	-0.037	NA	-0.416
A021616_01	At2g28020	unknown protein; protein id: At2g28020.1	0.207	0.007	0.293	0.363
A021619_01	At2g24190	putative carbonyl reductase; protein id: At2g24190.	0.201	NA	-0.037	0.156
A021628_01	At2g32190	expressed protein; protein id: At2g32190.1	-1.692	-1.662	-1.06	-1.944
A021629_01	At2g32210	expressed protein; protein id: At2g32210.1	-2.482	-1.719	-1.279	-2.118
A021635_01	At2g09970	unknown protein; protein id: At2g09970.1	NA	-1.553	NA	NA
A021636_01	At2g21260	mannose 6-phosphate reductase (NADPH-depende	0.085	0.156	0.183	0.487
A021638_01	At2g04630	putative DNA-directed RNA polymerase II subunit; p	0.098	-0.011	0.142	-0.318
A021640_01	At2g35810	expressed protein; protein id: At2g35810.1	-0.275	-0.278	-0.013	-0.348
A021641_01	At2g05310	expressed protein; protein id: At2g05310.1	-0.629	-0.858	-0.544	-1.318
A021643_01	At2g21750	hypothetical protein; protein id: At2g21750.1	-0.612	0.34	-0.267	-0.178
A021647_01	At2g20450	60S ribosomal protein L14; protein id: At2g20450.1	0.7	0.852	0.777	0.568
A021648_01	At2g20530	putative prohibitin; protein id: At2g20530.1	0.265	0.295	0.058	-0.009
A021652_01	At2g16510	putative vacuolar proton-ATPase 16 kDa proteolipid	-0.09	-0.07	0.075	-0.067
A021659_01	At2g07640	unknown protein; protein id: At2g07640.1	-0.789	-0.494	NA	-0.573
A021661_01	At1g18250	pathogenesis-related group 5 protein, putative; prot	-0.111	NA	NA	NA
A021662_01	At1g62610	similar to glucose 1-dehydrogenase (AB000617); sii	0.6	0.493	0.639	0.92
A021670_01	At1g13990	expressed protein; protein id: At1g13990.1	-2.713	NA	-1.882	-3.636

A021673_01	At1g12390	hypothetical protein; protein id: At1g12390.1	-0.041	NA	0.033	-0.351
A021677_01	At1g20140	SKP1/ASK1 (At4), putative; protein id: At1g20140.1	0.525	0.455	0.701	0.14
A021682_01	At1g20580	expressed protein; protein id: At1g20580.1	0.43	0.327	0.417	0.332
A021691_01	At1g09490	putative cinnamyl alcohol dehydrogenase; protein ic	-0.402	-0.53	-0.881	-0.899
A021696_01	At1g29250	expressed protein; protein id: At1g29250.1	0.869	0.876	0.934	0.947
A021697_01	At1g17410	unknown protein; protein id: At1g17410.1	-0.148	-0.036	0.285	-0.261
A021700_01	At1g27330	unknown protein; protein id: At1g27330.1	0.256	0.382	0.478	0.274
A021701_01	At1g27400	putative 60S ribosomal protein L17; protein id: At1g	1.037	0.747	0.686	1.607
A021703_01	At1g47820	expressed protein; protein id: At1g47820.1	0.361	0.523	0.408	0.095
A021708_01	At1g12250	chloroplast lumen pentapeptide protein, putative; pr	-0.427	NA	-0.57	-1.197
A021709_01	At1g49660	unknown protein; protein id: At1g49660.1	-1.563	NA	NA	
A021712_01	At1g3135	pseudogene, putative 60s ribosomal protein; proteir	1.377	0.775	0.885	1.329
A021718_01	At1g52250	dynein light chain, putative; protein id: At1g52250.1	0.046	NA	0.795	-0.066
A021719_01	At2g01890	putative purple acid phosphatase; protein id: At2g01	-3.635	NA	NA	
A021724_01	At1g65345	pseudogene, putative polyubiquitin; protein id: At1g	-1.26	-0.676	-0.581	-0.534
A021726_01	At1g07070	ribosomal protein, putative; protein id: At1g07070.1	1.087	1.052	0.921	0.941
A021730_01	At3g06680	ribosomal protein L29, putative; protein id: At3g0668	0.843	0.93	0.983	0.983
A021739_01	At3g11500	putative small nuclear ribonucleoprotein polypeptide	0.858	0.58	0.653	0.593
A021749_01	At1g29460	auxin-induced protein, putative; protein id: At1g2946	-0.579	0.087	0.686	0.594
A021753_01	At1g63320	hypothetical protein; protein id: At1g63320.1	0.183	0.18	NA	0.421
A021759_01	At1g70680	Ca2+-binding EF-hand common family protein, puta	-2.921	-3.165	-2.047	-2.866
A021760_01	At1g70670	Ca2+-binding EF-hand common family protein, puta	-0.945	-1.6	-0.682	-0.741
A021765_01	At1g51390	unknown protein; protein id: At1g51390.1	0.272	0.048	0.016	0.104
A021769_01	At3g09150	auxin-regulated protein; protein id: At3g09150.2	0.372	NA	0.069	0.264
A021771_01	At3g02190	putative ribosomal protein L39; protein id: At3g0219	0.688	0.876	0.804	0.651
A021772_01	At3g02770	expressed protein; protein id: At3g02770.1	-0.76	-0.468	-0.497	-0.367
A021782_01	At3g09500	putative 60S ribosomal protein L35; protein id: At3g	0.684	0.894	0.751	0.73
A021785_01	At4g00810	acidic ribosomal protein p1; protein id: At4g00810.1	0.498	0.359	0.472	0.505
A021786_01	At1g60480	pseudogene, putative ADP-ribosylation factor	0.246	0.147	0.391	0.303
A021791_01	At2g32670	putative synaptobrevin; protein id: At2g32670.1	0.05	-0.17	-0.172	-0.156
A021794_01	At2g02500	putative sugar nucleotide phosphorylase; protein id:	1.276	1.393	0.547	0.795
A021796_01	At3g05880	low temperature and salt responsive protein LTI6A;	-0.553	-0.772	-0.77	-1.612
A021797_01	At1g75440	E2, ubiquitin-conjugating enzyme 16 (UBC16); prote	-0.579	-0.743	0.103	-0.508
A021799_01	At5g09770	ribosomal protein - like; protein id: At5g09770.1	0.482	0.629	0.792	0.687
A021802_01	At4g29410	putative protein; protein id: At4g29410.1	1.275	0.868	0.949	1.556
A021803_01	At3g44010	ribosomal protein S29 - like; protein id: At3g44010.1	0.322	0.421	0.591	0.629
A021804_01	At5g67440	photoreceptor-interacting protein-like; protein id: At	-0.403	-0.36	0.133	0.149
A021805_01	At2g46370	putative auxin-responsive protein; protein id: At2g46	-0.635	-0.595	-0.732	-0.094
A021807_01	At4g24130	putative protein; protein id: At4g24130.1	0.564	0.476	0.964	0.772
A021810_01	At5g03630	monodehydroascorbate reductase, putative; protein	0.107	0.071	0.387	0.655
A021811_01	At1g80920	J8-like protein; protein id: At1g80920.1	-2.858	-2.778	-1.71	-1.554
A021812_01	At4g09460	myb family transcription factor; protein id: At4g0946 NA	NA	NA	0.773	0.68
A021813_01	xxxx	b/t putative serine carboxypeptidase II; protein id: A	-0.812	-0.647	-0.518	-0.186
A021814_01	At2g43820	putative glucosyltransferase; protein id: At2g43820.	-2.813	-3.031	-1.441	-2.587
A021815_01	At3g27380	succinate dehydrogenase iron-protein subunit, puta	0.337	0.13	0.263	0.967
A021816_01	At1g01050	soluble inorganic pyrophosphatase, putative; proteir NA		0.141	NA	0.112
A021817_01	At3g17210	expressed protein; protein id: At3g17210.1	0.282	0.216	-0.038	-0.688
A021818_01	At5g20570	RING-box protein - like; protein id: At5g20570.1	-0.136	0.017	0.325	-0.005
A021820_01	At3g26280	cytochrome p450 family; protein id: At3g26280.1	-3.205	-2.961	-2.016	-3.094
A021821_01	At2g24940	putative steroid binding protein; protein id: At2g249	-0.055	0.083	-0.127	-0.332
A021822_01	At1g54630	expressed protein; protein id: At1g54630.1	-0.163	0.248	-0.168	-0.077
A021823_01	At4g30810	serine carboxypeptidase II - like protein; protein id: ,	0.702	0.936	0.661	0.8
A021827_01	At4g36860	putative protein; protein id: At4g36860.1	-0.297	-0.253	-0.528	-0.33
A021828_01	At5g40650	putative succinate dehydrogenase iron-proteinubuni	-0.07	NA	NA	-0.124
A021829_01	At5g10390	histone H3 - like protein; protein id: At5g10390.1	1.54	1.015	1.085	1.248
A021830_01	At5g34940	putative protein; protein id: At5g34940.1	-0.964	-1.089	NA	0.379
A021832_01	At5g56280	COP9 complex subunit 6 CSN6, putative; protein id	0.131	NA	0.118	0.236
A021833_01	At5g57290	60S acidic ribosomal protein P3; protein id: At5g572	-0.551	NA	0.086	NA
A021835_01	At5g49650	putative xylulose kinase; protein id: At5g49650	-0.242	-0.511	-0.508	-0.346
A021838_01	At5g09850	unknown protein	0.11	0.428	0.329	0.976
A021839_01	At2g26190	expressed protein; protein id: At2g26190.1	-0.62	NA	NA	-0.437
A021840_01	At4g14340	casein kinase I; protein id: At4g14340.1	-0.08	-0.057	NA	NA
A021842_01	At1g06690	expressed protein; protein id: At1g06690.1	0.389	0.311	-0.226	0.125
A021843_01	At5g65110	acyl-CoA oxidase (gb|AAC13497.1); protein id: At5c	-1.042	-1.085	-0.81	-0.332
A021845_01	At5g16450	expressed protein; protein id: At5g16450.1	0.02	-0.052	0.39	0.35
A021846_01	At3g27830	50S ribosomal protein L12-A; protein id: At3g27830	0.416	0.168	0.255	-0.02
A021848_01	At1g02880	thiamin pyrophosphokinase, putative; protein id: At1	-0.423	NA	NA	-0.813
A021850_01	At1g69410	eukaryotic initiation factor 5A , putative; protein id: /	-1.337	-0.995	-0.679	-0.913

A021851_01	At5g44580	expressed protein; protein id: At5g44580.1	-2.545	-2.886	-1.398	-2.088
A021853_01	At1g65980	type 2 peroxiredoxin, putative; protein id: At1g65980.1	0.093	0.067	0.479	1.044
A021856_01	At2g32060	40S ribosomal protein S12; protein id: At2g32060.1	0.576	0.639	0.564	0.503
A021857_01	At5g56710	60S ribosomal protein L31; protein id: At5g56710.1	0.894	0.452	0.622	0.978
A021858_01	At1g64750	expressed protein; protein id: At1g64750.1	0.077	0.376	0.488	-0.387
A021859_01	At1g25230	hypothetical protein; protein id: At1g25230.1	-0.164	-0.134	0.095	0.154
A021860_01	At1g10660	unknown protein; protein id: At1g10660.1	-0.214	-0.342	-0.402	0.227
A021864_01	At1g27150	expressed protein; protein id: At1g27150.1	0.09	0.123	0.295	0.694
A021865_01	At5g14590	isocitrate dehydrogenase - like protein; protein id: A	-0.011	0.157	0.211	0.921
A021866_01	At5g55160	ubiquitin-like protein SMT3-like; protein id: At5g55160.1	-0.247	-0.075	0.259	-0.088
A021867_01	At2g40110	unknown protein; protein id: At2g40110.1	-1.088	-1.117	-0.401	-0.953
A021868_01	At3g53990	expressed protein; protein id: At3g53990.1	-0.47	-0.387	-0.238	NA
A021870_01	At4g37020	putative protein; protein id: At4g37020.1	0.235	0.331	0.221	0.403
A021873_01	At5g18630	triacylglycerol lipase-like protein; protein id: At5g18630.1	-1.514	-1.961	-1.487	-1.463
A021874_01	At3g19800	expressed protein; protein id: At3g19800.1	-1.5	-1.441	-1.345	-1.219
A021876_01	At3g18440	unknown protein; protein id: At3g18440.1	-0.009	0.172	NA	-0.026
A021878_01	At5g47660	putative protein; protein id: At5g47660.1	0.17	0.316	NA	0.271
A021882_01	At5g14180	putative protein; protein id: At5g14180.1	NA	NA	-1.237	-1.269
A021884_01	At1g23290	60s ribosomal protein l27a.; protein id: At1g23290.1	0.947	0.907	1.09	0.827
A021885_01	At5g17190	putative protein; protein id: At5g17190.1	0.221	0.19	0.195	0.119
A021888_01	At2g44300	unknown protein; protein id: At2g44300.1	0.417	0.4	0.194	-0.137
A021889_01	At5g02610	ribosomal protein L35 - like; protein id: At5g02610.1	0.452	0.681	0.615	0.568
A021890_01	At4g11360	RING-H2 finger protein RHA1b; protein id: At4g11360.1	-2.281	-2.058	-0.816	-1.891
A021891_01	At4g14320	ribosomal protein; protein id: At4g14320.1	0.859	0.697	0.669	0.721
A021893_01	At4g04830	putative protein; protein id: At4g04830.1	-2.29	-2.301	-1.76	-2.852
A021894_01	At2g47490	mitochondrial carrier protein family; protein id: At2g47490.1	-1.065	-0.215	-0.295	0.078
A021895_01	At3g43810	calmodulin 7; protein id: At3g43810.1	0.225	0.131	0.203	0.07
A021897_01	At1g10630	ADP-ribosylation factor, putative; protein id: At1g10630.1	0.482	0.564	0.445	0.474
A021898_01	At1g63840	putative RING zinc finger protein; protein id: At1g63840.1	-0.435	-0.381	0.19	0.289
A021899_01	At2g18670	putative RING zinc finger protein; protein id: At2g18670.1	0.336	NA	NA	NA
A021900_01	At4g08460	hypothetical protein; protein id: At4g08460.1	0.196	0.226	NA	-0.013
A021901_01	At5g15960	cold and ABA inducible protein kin1; protein id: At5g15960.1	0.616	0.53	0.553	0.082
A021903_01	At3g61640	arabinogalactan-protein (AGP20); protein id: At3g61640.1	0.928	0.934	0.288	-0.219
A021905_01	At3g53740	60S RIBOSOMAL PROTEIN L36 homolog; protein id: At3g53740.1	0.382	0.608	0.522	0.531
A021906_01	At5g57840	N-hydroxycinnamoyl/benzoyltransferase; protein id: At5g57840.1	-0.381	-0.158	NA	NA
A021907_01	At1g72510	arabinogalactan-protein (AGP20); protein id: At3g61640.1	-1.403	-1.523	-0.908	-1.06
A021908_01	At1g09200	expressed protein; protein id: At1g09200.1	1.531	1.035	0.815	1.374
A021909_01	At1g57860	60S ribosomal protein L21, putative; protein id: At1g57860.1	0.599	0.596	0.635	0.215
A021913_01	xxxx	b/t pseudogene, putative retroelement pol polyprotein; protein id: At1g57860.1	-2.437	-2.193	-1.464	NA
A021915_01	At2g32040	expressed protein; protein id: At2g32040.1	-0.082	-0.274	NA	-0.013
A021916_01	At3g15350	N-acetylglucosaminyltransferase family (Core-2/I-Br) member 1; protein id: At3g15350.1	-0.407	-0.246	0.019	0.607
A021920_01	At5g63330	putative protein; protein id: At5g63330.1	-0.746	NA	NA	-0.769
A021921_01	At4g38540	monooxygenase 2 (MO2); protein id: At4g38540.1	-3.26	NA	NA	NA
A021922_01	At1g10500	unknown protein; protein id: At1g10500.1	-1.256	-1.255	-0.842	-1.205
A021924_01	At5g37690	putative protein; protein id: At5g37690.1	-0.173	0.757	-0.152	0.135
A021926_01	At3g15350	N-acetylglucosaminyltransferase family (Core-2/I-Br) member 1; protein id: At3g15350.1	-0.361	-0.211	-0.05	0.566
A021927_01	At1g03210	unknown protein; protein id: At1g03210.1	-0.362	-0.151	0.079	0.423
A021928_01	At2g26190	expressed protein; protein id: At2g26190.1	-0.577	-0.176	-0.569	-0.457
A021929_01	At3g58760	putative protein; protein id: At3g58760.1	-0.351	-0.377	-0.489	-0.124
A021930_01	At3g46320	F12M12.3; pseudogene, putative histone H4-like protein; protein id: At3g46320.1	1.409	0.97	0.96	1.063
A021931_01	At3g14600	putative 60S ribosomal protein L18A; protein id: At3g14600.1	1.078	0.85	0.993	1.283
A021932_01	At5g03850	ribosomal protein S28- like; protein id: At5g03850.1	0.393	0.465	0.597	0.829
A021933_01	At2g19750	40S ribosomal protein S30; protein id: At2g19750.1	0.605	0.466	0.758	0.146
A021934_01	At5g15970	cold-regulated protein COR6.6 (KIN2); protein id: At5g15970.1	0.174	0.188	0.63	-0.22
A021935_01	At3g29350	ATHP2, putative; protein id: At3g29350.1	-0.145	NA	-0.092	-0.581
A021937_01	At1g14870	unknown protein; protein id: At1g14870.1	-1.098	-1.189	-0.401	-1.369
A021938_01	At1g26880	60s ribosomal protein L34; protein id: At1g26880.1	0.715	0.77	0.81	1.044
A021939_01	At5g15520	40S RIBOSOMAL PROTEIN S19 - like; protein id: At5g15520.1	0.282	0.616	0.496	0.241
A021941_01	At3g27360	histone H3, putative; protein id: At3g27360.1	1.724	1.526	1.492	1.985
A021942_01	At1g13990	expressed protein; protein id: At1g13990.1	-3.064	-2.905	-1.591	-3.266
A021946_01	At5g64650	50S ribosomal protein L17; protein id: At5g64650.1	0.646	0.694	0.716	0.226
A021948_01	At4g02710	unknown protein; protein id: At4g02710.1	-0.208	-0.279	NA	-0.07
A021949_01	At1g14850	nucleoporin, putative; protein id: At1g14850.1	0.821	0.873	0.681	0.769
A021950_01	At3g53430	60S RIBOSOMAL PROTEIN L12 -like; protein id: At3g53430.1	0.461	0.274	0.53	0.806
A021951_01	At1g34130	integral membrane protein, putative; protein id: At1g34130.1	0.867	0.827	0.361	0.605
A021954_01	At2g05380	expressed protein; protein id: At2g05380.1	NA	NA	-0.628	-2.573
A021955_01	At1g22270	expressed protein; protein id: At1g22270.1	0.604	0.875	0.761	0.544
A021956_01	At1g73030	expressed protein; protein id: At1g73030.1	-0.412	-0.533	-0.482	-0.619

A021958_01	At3g56800	calmodulin-3; protein id: At3g56800.1	-0.211	-0.187	-0.348	-0.345
A021959_01	At5g50600	11-beta-hydroxysteroid dehydrogenase-like; protein NA	NA	NA	NA	
A021961_01	At2g36170	ubiquitin extension protein (UBQ2); protein id: At2g36170.1	0.802	0.802	0.883	1.044
A021962_01	At1g66410	calmodulin-4; protein id: At1g66410.1	0.236	0.1	0.006	0.094
A021963_01	At4g23010	putative protein; protein id: At4g23010.1	0.105	0.227	0.075	0.125
A021966_01	At3g43810	calmodulin 7; protein id: At3g43810.1	1.18	0.847	0.688	0.634
A021968_01	At3g53990	expressed protein; protein id: At3g53990.1	-0.757	-0.784	-0.609	-0.757
A021969_01	At5g55940	expressed protein; protein id: At5g55940.1	0.31	0.523	0.362	0.38
A021970_01	At3g13720	expressed protein; protein id: At3g13720.1	-0.714	NA	0.102	-0.577
A021971_01	At5g35530	40S ribosomal protein S3; protein id: At5g35530.1	0.575	0.281	0.518	0.957
A021976_01	At1g62080	expressed protein; protein id: At1g62080.1	-3.59	-3.979	NA	NA
A021978_01	At1g08630	expressed protein; protein id: At1g08630.1	-1.236	-0.612	-0.047	0.094
A021979_01	At4g27150	NWMU2 - 2S albumin 2 precursor; protein id: At4g27150.1	-2.695	-2.862	-1.231	-3.351
A021980_01	At1g52540	somatic embryogenesis receptor-like kinase, putative; protein id: At1g52540.1	-0.112	-0.131	0.387	0.829
A021981_01	At4g05590	putative protein; protein id: At4g05590.1	-0.776	0.446	NA	0.262
A021982_01	At2g44120	60S ribosomal protein L7; protein id: At2g44120.2	0.984	0.905	0.976	1.163
A021983_01	At5g63410	leucine-rich repeat transmembrane protein kinase, putative; protein id: At5g63410.1	0.578	0.226	0.637	1.357
A021984_01	At4g25050	acyl carrier - like protein; protein id: At4g25050.1	0.526	0.441	-0.033	-0.527
A021986_01	At3g61110	ribosomal protein S27; protein id: At3g61110.1	0.256	0.337	0.383	0.428
A021988_01	At2g35830	expressed protein; protein id: At2g35830.1	-0.843	-0.732	-0.327	-0.67
A021989_01	At4g21090	adrenodoxin - like protein; protein id: At4g21090.1	0.134	0.256	0.075	0.102
A021990_01	At1g72030	unknown protein; protein id: At1g72030.1	-0.998	NA	NA	NA
A021992_01	At2g27710	60S acidic ribosomal protein P2; protein id: At2g27710.1	1.012	0.834	0.661	0.648
A021993_01	At4g21980	AtAPG8a; symbiosis-related like protein; protein id: At4g21980.1	-1.899	-1.82	-0.826	-0.92
A021994_01	At1g74060	putative 60S ribosomal protein L6; protein id: At1g74060.1	0.596	0.315	0.571	1.167
A021995_01	At3g48570	expressed protein; protein id: At3g48570.1	0.09	0.476	0.506	-0.085
A021997_01	At5g16130	40S ribosomal protein S7-like; protein id: At5g16130.1	0.819	0.905	0.712	1.324
A021998_01	At2g02100	plant defensin protein, putative (PDF2.2); protein id: At2g02100.1	1.458	0.732	1.011	2.275
A021999_01	At4g18800	ras-related GTP binding protein, putative; protein id: At4g18800.1	-0.295	-0.223	0.26	0.319
A022000_01	At5g56540	arabinogalactan-protein (AGP14); protein id: At5g56540.1	-1.899	-2.024	0.027	-1.06
A022001_01	At1g62000	hypothetical protein; protein id: At1g62000.1	-3.481	-3.693	-1.738	NA
A022003_01	At1g08880	putative histone H2A; protein id: At1g08880.1	0.262	0.511	0.738	0.202
A022005_01	At1g16700	NADH:ubiquinone oxidoreductase, putative; protein id: At1g16700.1	0.036	-0.166	0.17	-0.088
A022006_01	At1g65970	type 2 peroxiredoxin, putative; protein id: At1g65970.1	-0.54	-0.344	-0.162	0.158
A022009_01	At3g23390	putative ribosomal protein; protein id: At3g23390.1	1.001	0.685	0.819	1.097
A022010_01	At4g18100	ribosomal protein L32 -like protein; protein id: At4g18100.1	1.029	0.948	0.947	1.363
A022011_01	At3g46030	histone H2B -like protein; protein id: At3g46030.1	0.547	0.38	0.344	0.161
A022013_01	At5g59150	ras-related GTP-binding protein, putative; protein id: At5g59150.1	-0.644	-0.689	-0.413	-0.43
A022014_01	At3g45980	histone H2B; protein id: At3g45980.1	0.492	0.544	0.454	0.179
A022015_01	At5g56150	E2, ubiquitin-conjugating enzyme, putative; protein id: At5g56150.1	-1.28	-1.216	-0.644	-0.949
A022018_01	At3g52580	putative ribosomal protein S14; protein id: At3g52580.1	0.721	0.619	0.692	0.912
A022019_01	At3g48690	putative protein; protein id: At3g48690.1	-1.252	-0.786	-0.444	-1.122
A022020_01	At1g30230	elongation factor 1-beta, putative; protein id: At1g30230.1	-0.041	0.396	0.443	0.688
A022021_01	At3g11940	40S ribosomal protein S5, putative; protein id: At3g11940.1	0.833	0.93	0.973	1.715
A022022_01	At3g20510	unknown protein; protein id: At3g20510.1	0.632	0.474	0.45	0.176
A022024_01	At4g11370	RING-H2 finger protein RHA1a -like protein; protein id: At4g11370.1	-0.792	NA	-0.42	NA
A022025_01	At5g41210	glutathione transferase, putative; protein id: At5g41210.1	-0.175	-0.08	0.196	0.051
A022026_01	At4g15000	ribosomal protein; protein id: At4g15000.1	0.77	1.043	1.014	1.061
A022027_01	At2g35370	glycine decarboxylase complex H-protein; protein id: At2g35370.1	0.219	0.113	0.071	0.369
A022029_01	At4g05050	polyubiquitin UBQ11; protein id: At4g05050.1	-1.494	-1.553	-0.701	-0.342
A022033_01	At5g15460	expressed protein; protein id: At5g15460.1	0.66	0.525	0.465	0.65
A022034_01	At4g40040	histone H3; protein id: At4g40040.1	-0.534	-0.434	-0.19	-0.235
A022038_01	At1g52600	signal peptidase subunit, putative; protein id: At1g52600.1	0.12	-0.091	0.052	-0.013
A022039_01	At3g26450	major latex protein (MLP)-related; protein id: At3g26450.1	-0.129	-0.237	0.039	-0.539
A022040_01	At1g63840	putative RING zinc finger protein; protein id: At1g63840.1	-0.546	-0.28	0.332	0.104
A022043_01	At1g74050	putative 60S ribosomal protein L6; protein id: At1g74050.1	0.364	0.51	0.427	0.482
A022044_01	At3g25520	ribosomal protein, putative; protein id: At3g25520.1	1.141	0.751	0.667	1.191
A022045_01	At1g78380	glutathione transferase, putative; protein id: At1g78380.1		-0.204	-0.528	-0.39
A022046_01	At5g48760	60S ribosomal protein L13a; protein id: At5g48760.1	0.018	0.743	0.527	0.498
A022047_01	At1g67430	ribosomal protein, putative; protein id: At1g67430.1	1.26	0.774	0.954	NA
A022048_01	At1g10370	glutathione transferase, putative; protein id: At1g10370.1	0.585	0.598	0.469	0.306
A022077_01	At3g28070	unknown protein; protein id: At3g28070.1	-1.828	-1.861	-1.368	-1.243
A022102_01	At3g58600	putative protein; protein id: At3g58600.1	-0.037	-0.696	-0.174	-0.491
A022105_01	At1g49200	RING-H2 finger protein RHA3a, putative; protein id: At1g49200.1	-2.388	NA	NA	NA
A022107_01	At4g34670	Putative S-phase-specific ribosomal protein; protein id: At4g34670.1	1.01	0.533	0.824	1.152
A022112_01	At2g39890	proline transporter 1; protein id: At2g39890.1	-1.46	-1.351	-1.231	-0.699
A022113_01	At1g06390	shaggy-like kinase, putative; protein id: At1g06390.1	-0.079	0.107	-0.154	-0.131
A022117_01	At3g25800	protein phosphatase 2A 65 kDa regulatory subunit; protein id: At3g25800.1	-0.074	-0.299	0.056	0.082

A022118_01	At1g45050	E2, ubiquitin-conjugating enzyme 15 (UBC15); prote	-0.733	-0.402	-0.198	-0.259
A022120_01	At3g08720	putative ribosomal-protein S6 kinase (ATPK19); pro	-1.321	-1.011	-0.62	-0.487
A022121_01	At5g04870	calcium-dependent protein kinase; protein id: At5g0	0.38	0.577	0.25	0.797
A022125_01	At1g13080	cytochrome p450 family; protein id: At1g13080.1	-0.932 NA	NA		-1.052
A022126_01	At3g23000	SNF1 related protein kinase (ATSRPK1); protein id:	-1.821	-2.045	-0.308	-0.749
A022130_01	At1g59520	expressed protein; protein id: At1g59520.1	0.051	-0.048	0.16	0.209
A022138_01	At5g07890	putative protein; protein id: At5g07890.1	-0.413	-0.818	-0.781	-0.262
A022140_01	At5g08010	putative protein; protein id: At5g08010.1	0.115	0.057	-0.14	0.271
A022156_01	xxxx	b/t crooked neck-like protein; protein id: At3g51110. NA		-0.787 NA		-0.645
A022163_01	At3g51250	putative protein; protein id: At3g51250.1	-0.218	-0.427	0.272	0.592
A022164_01	At3g51270	putative protein; protein id: At3g51270.1	0.658	0.313	0.425	0.678
A022171_01	At3g47000	glycosyl hydrolase family 3; protein id: At3g47000.1	-0.457	-0.338	-0.137	0.226
A022183_01	At3g45190	putative protein; protein id: At3g45190.1	0.022	-0.283	0.069	-0.134
A022196_01	At3g55460	arginine/serine-rich protein SCL30; protein id: At3g5	0.203	0.028	0.207	-0.513
A022202_01	At3g60450	putative protein; protein id: At3g60450.1	0.459	0.253	0.838	1.157
A022215_01	At3g55040	ln2-1 protein, putative; protein id: At3g55040.1	-0.034	0.09	-0.062	-0.385
A022218_01	At3g63190	putative protein; protein id: At3g63190.1	0.302	0.313	0.231 NA	
A022230_01	At3g50380	putative protein; protein id: At3g50380.1	-0.091	-0.242 NA		0.134
A022248_01	At3g12620	protein phosphatase 2C, putative; protein id: At3g12	0.106 NA	NA		-0.431
A022267_01	At5g10550	bromodomain protein - like; protein id: At5g10550.1	0.45 NA		0.483	0.517
A022269_01	At5g10380	putative protein; protein id: At5g10380.1	-0.101	-0.406	-0.181	-0.536
A022275_01	At5g65700	leucine-rich repeat transmembrane protein kinase, p	0.242	0.369	0.806	0.623
A022279_01	At4g22150	putative protein; protein id: At4g22150.1	-0.103	-0.315	0.096	0.252
A022282_01	At4g28360	expressed protein; protein id: At4g28360.1	1.045	1.112	1.056	1.072
A022283_01	At4g28370	hypothetical protein; protein id: At4g28370.1	-0.871	-1.028 NA	NA	
A022300_01	At4g19600	putative protein; protein id: At4g19600.1	0.369	-0.076 NA		-0.345
A022304_01	At4g32350	putative protein; protein id: At4g32350.1	-0.672	-0.673 NA	NA	
A022306_01	At4g32320	ascorbate peroxidase family; protein id: At4g32320.	-0.893	-1.065	-0.731	-1.31
A022311_01	At4g17880	bHLH protein; protein id: At4g17880.1, NA	NA	NA	-0.189	0.276
A022316_01	At4g17960	putative protein; protein id: At4g17960.1	0.409	0.204	0.214	0.115
A022324_01	At4g21930	putative protein; protein id: At4g21930.1	-1.797	-1.523	-0.105	-0.482
A022328_01	At4g21110	G10 - like protein; protein id: At4g21110.1	-0.214	-0.234	0.095	0.089
A022329_01	At4g21120	amino acid transport protein AAT1; protein id: At4g2	NA	NA	NA	NA
A022339_01	At4g34020	putative protein; protein id: At4g34020.1 NA	NA	NA	NA	-0.37
A022358_01	At4g23260	putative protein; protein id: At4g23260.1	-2.653 NA	NA	NA	NA
A022365_01	At4g34750	auxin-induced protein-related; protein id: At4g34750	-0.362	-0.164	-0.177	-0.963
A022367_01	At4g19670	putative protein; protein id: At4g19670.1	-0.46	-0.155 NA		0.033
A022377_01	At4g19860	putative protein; protein id: At4g19860.1	-0.964	-1.406	-0.581	-0.61
A022381_01	At4g27260	GH3 like protein; protein id: At4g27260.1	-1.674	-1.693	-0.406	-1.314
A022386_01	At4g31670	putative protein; protein id: At4g31670.1	-0.423	-0.519 NA		-0.595
A022394_01	At4g21326	subtilisin-like serine protease; protein id: At4g21326	-0.397	-0.123	0.03	-0.264
A022401_01	At4g23400	water channel - like protein; protein id: At4g23400.1	-2.597	-2.632	-1.586	-2.518
A022405_01	At4g33750	hypothetical protein; protein id: At4g33750.1	-0.444	-0.871 NA		-0.59
A022406_01	At4g33760	putative aspartate--tRNA ligase; protein id: At4g337	0.919	0.558	0.26	0.203
A022410_01	At4g28715	similar to myosin heavy chain MYA2 (pir|S51824); p	0.056 NA	NA	NA	
A022417_01	At4g24920	protein transport protein SEC61 gamma subunit -lik	0.035	0.149	0.526	0.026
A022434_01	At4g27690	putative protein; protein id: At4g27690.1	0.098 NA		0.119	0.209
A022436_01	At4g37560	formamidase - like protein; protein id: At4g37560.1	-2.313	-2.294	-1.064	-1.461
A022444_01	At4g26260	putative protein; protein id: At4g26260.1	-0.256 NA	NA		-0.911
A022447_01	At4g25840	putative protein; protein id: At4g25840.1	-0.013	-0.129	0.127	0.225
A022451_01	At4g10050	lipase-like protein; protein id: At4g10050.1	0.251 NA	NA		1.037
A022457_01	At4g11640	putative protein; protein id: At4g11640.1	0.1 NA		0.22	-0.068
A022479_01	At4g12460	putative SWH1 protein; protein id: At4g12460.1	0.207	0.163 NA		-0.111
A022485_01	At4g11110	COP1 like protein; protein id: At4g11110.1	-0.168 NA	NA		-0.554
A022486_01	At4g11120	putative translation elongation factor ts; protein id: A	0.857 NA		0.558	1.029
A022488_01	At4g11160	translation initiation factor IF-2, putative; protein id: .	0.214	0.076	0.141	0.124
A022495_01	At4g11410	putative protein; protein id: At4g11410.1	0.153 NA		0.283	0.183
A022502_01	At4g27820	glycosyl hydrolase family 1; protein id: At4g27820.1	-0.571	-0.948	-0.84	-1.192
A022509_01	At4g24490	geranylgeranyl transferase alpha subunit (RAB gera	0.426	0.338	0.273	0.609
A022534_01	At4g00130	hypothetical protein; protein id: At4g00130.1	0.465	0.289	0.441	0.182
A022541_01	At4g00970	similar to receptor kinase; protein id: At4g00970.1	0.282	-0.242	-0.715	-0.023
A022543_01	At4g01430	unknown protein; protein id: At4g01430.1 NA	NA	NA	-1.017	-1.777
A022546_01	At4g02100	hypothetical protein; protein id: At4g02100.1	0.78	0.452	0.724	0.975
A022551_01	At4g02630	putative serine/threonine protein kinase; protein id: .	-0.427	-0.358	-0.083	-0.099
A022555_01	At4g02860	putative protein; protein id: At4g02860.1	-1.232	-1.597	-0.515	-0.807
A022556_01	At4g03070	putative oxidoreductase; protein id: At4g03070.1	-0.411	-0.64	-0.214	-0.15
A022560_01	At4g03470	putative protein; protein id: At4g03470.1	-0.334	-0.487 NA		0.161
A022565_01	At4g04260	putative ES43-like protein; protein id: At4g04260.1	0.324	0.152	0.27	0.575

A022569_01	At4g05000	contains similarity to <i>S. cerevisiae</i> vacuolar protein :	0.565	NA	NA		0.372
A022570_01	At4g05240	putative protein; protein id: At4g05240.1	-0.021		-0.044	0.11	0.348
A022571_01	At4g05330	putative protein; protein id: At4g05330.1	-0.215		-0.433	-0.376	-1.042
A022583_01	At4g07840	putative transposon protein; protein id: At4g07840.1	-1.078		-0.482	-0.549	-0.315
A022592_01	At4g09120	putative protein; protein id: At4g09120.1	-0.058		-0.342	-0.395	-0.335
A022599_01	At4g14290	hypothetical protein; protein id: At4g14290.1	-0.013		-0.628	NA	NA
A022600_01	At4g14610	pseudogene, disease resistance protein (CC-NBS-L	-0.082		-0.017	NA	0.317
A022619_01	At4g16630	DEAD/DEAH box RNA helicase, putative; protein id	-2.148	NA	NA	NA	NA
A022624_01	At4g17780	similar to putative myb-related transcription factor; p	-1.321	NA	NA	NA	NA
A022627_01	At4g28580	putative protein; protein id: At4g28580.1	-0.064		-0.634	-0.438	-0.577
A022634_01	At4g37150	hydroxynitrile lyase like protein; protein id: At4g3715	-0.517		-0.773	-0.717	-0.827
A022635_01	At4g37220	cold acclimation protein homolog; protein id: At4g37	1.075		0.907	0.525	0.578
A022637_01	At4g37320	cytochrome p450 family; protein id: At4g37320.1	-0.621		-0.809	-0.192	-1.066
A022643_01	At5g01570	putative protein; protein id: At5g01570.1	-0.671		-1.015	-0.896	-2.139
A022657_01	At3g45950	putative protein; protein id: At3g45950.1	-0.437		-0.618	-0.519	-0.199
A022664_01	At5g02180	putative protein; protein id: At5g02180.1	-0.249	NA	NA		-0.32
A022666_01	At5g02200	hypothetical protein; protein id: At5g02200.1	0.154	NA		-0.598	-0.422
A022671_01	At5g03360	unknown protein; protein id: At5g03360	0.169		-0.013	0.195	-0.095
A022689_01	At3g56030	putative protein; protein id: At3g56030.1	-0.259		-0.17	0.823	0.933
A022702_01	At3g60930	putative protein; protein id: At3g60930.1	0.371		0.492	0.741	0.523
A022705_01	At3g18330	hypothetical protein; protein id: At3g18330.1	0.75		0.544	0.655	0.358
A022708_01	At3g20540	DNA polymerase, putative; protein id: At3g20540.1	-0.098	NA		0.353	-0.362
A022729_01	At3g19300	unknown protein; protein id: At3g19300.1		NA	NA	NA	NA
A022731_01	At3g32240	unknown protein; protein id: At3g32240.1	0.167		0.334	0.617	0.334
A022735_01	At3g31390	hypothetical protein; protein id: At3g31390.1	-2.575	NA		-1.64	-1.776
A022749_01	At3g20000	membrane import protein, putative; protein id: At3g2	0.73		0.683	0.697	0.688
A022755_01	At3g29100	SNARE protein AtVTI13; protein id: At3g29100.1	0.028		-0.382	-0.025	-0.094
A022764_01	At3g21910	hypothetical protein; protein id: At3g21910.1	-0.054	NA	NA	NA	NA
A022765_01	At3g21937	pseudogene	-0.352		-0.24	-0.191	-0.493
A022779_01	xxxx	b/t hypothetical protein At3g22340 and hypothetical	0.268		0.209	0.406	0.483
A022781_01	At3g17700	cyclic nucleotide-binding transporter 1 (CNBT1); p	-0.858		-0.841	-0.638	-1.104
A022790_01	At5g41370	DNA excision repair cross-complementing protein; ir	0.571		0.522	0.457	0.778
A022796_01	At5g41030	putative protein; protein id: At5g41030.1	-0.481		-0.535	-0.081	-0.025
A022801_01	At3g14870	hypothetical protein; protein id: At3g14870.1	-0.088	NA	NA	NA	NA
A022804_01	At3g30280	acyltransferase family; protein id: At3g30280.1	-0.505		-0.466	-1.319	-1.767
A022808_01	At3g28520	hypothetical protein; protein id: At3g28520.1	-0.898	NA		-0.581	-1.252
A022817_01	At5g55310	DNA topoisomerase I; protein id: At5g55310.1	-0.06		-0.602	NA	-0.67
A022821_01	At5g53720	RRM-containing protein; protein id: At5g53720.1	1.928		1.648	1.143	2.547
A022839_01	At5g46130	putative protein; protein id: At5g46130.1	0.507		-0.002	0.003	0.394
A022844_01	At5g43080	cyclin A3;1; protein id: At5g43080.1	0.874		0.765	0.521	0.825
A022850_01	At5g56040	leucine-rich repeat transmembrane protein kinase, p	-0.153		0.141	0.779	1.156
A022862_01	At5g55915	nucleolar protein-like; protein id: At5g55915.1	0.772		0.635	0.763	1.547
A022865_01	At3g16060	kinesin-like protein TBK5, putative; protein id: At3g1	0.654		0.438	NA	0.971
A022874_01	At5g46750	zinc finger protein Glo3-like; protein id: At5g46750.1	0.08		-0.33	-0.003	0.091
A022882_01	At5g58710	cyclophilin ROC7; protein id: At5g58710.1	1.128		0.66	0.78	0.876
A022901_01	At3g13380	brassinosteroid receptor kinase, putative; protein id:	-1.194		-1.22	NA	NA
A022911_01	At5g41685	expressed protein; protein id: At5g41685.1	0.072		0.273	0.768	-0.002
A022916_01	At5g61050	putative protein; protein id: At5g61050.1	0.004		-0.295	NA	NA
A022919_01	At5g61170	40S ribosomal protein S19 - like; protein id: At5g611	1.186		0.98	0.928	0.734
A022922_01	At5g22730	unknown protein; protein id: At5g22730.1	0.143		0.366	0.394	0.597
A022927_01	At5g44290	cyclin-dependent protein kinase-like protein; protein	-1.154		-1.357	-0.925	-1.15
A022948_01	At5g43630	unknown protein; protein id: At5g43630.1	-1.598		-1.569	-0.733	-0.73
A022952_01	At5g24360	putative protein; protein id: At5g24360.1	0.081		0.219	0.242	0.414
A022967_01	At5g49020	arginine methyltransferase-like protein; protein id: A	0.915		0.848	0.922	1.407
A022968_01	At5g49030	isoleucyl-tRNA synthetase; protein id: At5g49030.1	0.676		0.361	0.291	0.312
A022972_01	At5g53010	calcium-transporting ATPase protein, putative; prote	0.121		0.097	0.451	1.076
A022975_01	At5g53050	unknown protein; protein id: At5g53050.1	-0.171		-0.452	-0.423	-0.658
A022983_01	At5g66720	putative protein; protein id: At5g66720.1	-0.097		0.238	NA	0.022
A022984_01	At5g66730	zinc finger protein; protein id: At5g66730.1	-0.423	NA		-0.244	-0.4
A022987_01	At5g38510	putative protein; protein id: At5g38510.1	-1.475		-0.858	-1.4	-1.4
A022990_01	At5g38590	putative protein; protein id: At5g38590.1	0.994		0.851	1.24	1.812
A022991_01	At5g38600	putative protein; protein id: At5g38600.1	-0.259	NA	NA		-0.831
A022993_01	At5g38660	putative protein; protein id: At5g38660.1	-0.282		-0.415	-0.495	-0.547
A022996_01	At5g38690	putative protein; protein id: At5g38690.1	0.71		0.054	0.614	1.164
A022999_01	At5g63650	serine/threonine-protein kinase; protein id: At5g636	1.607		1.193	1.06	1.391
A023023_01	At5g22950	putative protein; protein id: At5g22950.1	0.047		-0.655	-0.128	-0.176
A023027_01	At5g23760	expressed protein; protein id: At5g23760.1	-0.398		-0.563	0.171	-0.205
A023029_01	At5g23810	amino acid transporter; protein id: At5g23810.1	-0.142		-0.21	-0.175	-0.76

A023030_01	At5g23870	pectinacylesterase family; protein id: At5g23870.1 NA	NA	NA			-1.062
A023035_01	At5g07790	putative protein; protein id: At5g07790.1	0.287	0.196 NA	NA		
A023040_01	At5g08550	putative protein; protein id: At5g08550.1	0.078	0.213 NA	NA		
A023041_01	At5g08570	pyruvate kinase; protein id: At5g08570.1	0.937	0.551	0.713		1.105
A023043_01	At5g08630	unknown protein; protein id: At5g08630.1	0.177 NA	NA			-0.666
A023045_01	At5g24240	ubiquitin; protein id: At5g24240.1	-0.378	-0.777	-0.406		-0.581
A023054_01	At5g53930	putative protein; protein id: At5g53930.1	0.209	-0.195	0.058		0.813
A023061_01	At5g63830	unknown protein; protein id: At5g63830.1	0.01 NA	NA			0.475
A023066_01	At5g12190	RRM-containing protein; protein id: At5g12190.1	0.34	0.122	0.539		0.227
A023075_01	At5g39530	putative protein; protein id: At5g39530.1	0.191	-0.034	0.163		-0.026
A023079_01	At5g42230	serine carboxypeptidase-II like; protein id: At5g42230.1	0.845	0.959	0.97		1.474
A023080_01	At5g63370	protein kinase; protein id: At5g63370.1	-0.492	-0.603	-0.492		-0.565
A023089_01	At5g05380	putative protein; protein id: At5g05380.1	-0.432 NA	NA	NA		
A023091_01	At5g40240	putative protein; protein id: At5g40240.1	-0.439 NA	NA	NA		
A023102_01	At5g48090	putative protein; protein id: At5g48090.1	-0.194	-0.607 NA			-0.053
A023109_01	At5g65940	3-hydroxyisobutyryl-coenzyme A hydrolase; protein	-0.239	-0.274	0.185		0.089
A023113_01	At5g47310	putative protein; protein id: At5g47310.1	0.176	0.278	0.368		0.538
A023114_01	At5g47340	palmitoyl-protein thioesterase precursor-like; protein	-0.869	-1.044 NA	NA		
A023119_01	At5g63970	putative protein; protein id: At5g63970.1	-1.33	-1.156	-0.306		-0.828
A023126_01	At5g49060	DnaJ-like protein; protein id: At5g49060.1	-0.152	-0.264 NA			0.04
A023130_01	At5g51080	putative protein; protein id: At5g51080.1	0.852	0.991	0.787		1.382
A023136_01	At5g46610	putative protein; protein id: At5g46610.1	-0.396	-0.786	-0.477		-0.315
A023137_01	At5g06110	cell division related protein-like; protein id: At5g06110.1	0.445	0.51	0.545		0.276
A023138_01	At5g01060	putative protein - kinase; protein id: At5g01060.1	-0.309	-0.201 NA	NA		
A023148_01	At5g17110	putative protein; protein id: At5g17110.1	-0.479	-0.328	-0.363		-0.054
A023158_01	At5g15670	putative protein; protein id: At5g15670.1	1.131	0.931	0.741		0.854
A023159_01	At1g26970	protein kinase, putative; protein id: At1g26970.1	-1.178	-1.217	-0.789		-0.749
A023163_01	At1g62190	hypothetical protein; protein id: At1g62190.1	-0.039 NA	NA			-0.412
A023177_01	At5g08750	expressed protein; protein id: At5g08750.1	0.404	0.14	0.227		0.597
A023183_01	At1g61130	hypothetical protein; protein id: At1g61130.1	0.135	-0.095	0.058		0.193
A023185_01	At1g22980	unknown protein; protein id: At1g22980.1	-0.35	-0.803	-0.395		-0.79
A023186_01	At1g22900	disease resistance response protein-related; protein	0.342	0.214	0.076		-0.109
A023188_01	At1g04540	hypothetical protein; protein id: At1g04540.1	-0.086	-0.1	-0.452		-0.119
A023198_01	At1g23070	hypothetical protein; protein id: At1g23070.1	1.101	0.911	0.879		0.979
A023199_01	At3g28650	CHP-rich zinc finger protein, putative; protein id: At3g28650.1	-0.834	-0.179 NA			-0.313
A023202_01	At1g78960	lupeol synthase (LUP1), putative; protein id: At1g78960.1	0.498	-0.267	-0.514		0.175
A023223_01	At4g13480	myb family transcription factor; protein id: At4g13480.1 NA	NA	NA			-1.268
A023228_01	At1g23840	expressed protein; protein id: At1g23840.1	-0.69	-0.728	-1.299		-1.897
A023230_01	At4g10640	putative protein; protein id: At4g10640.1	-0.63	-0.613	-0.834		-0.499
A023232_01	At1g04480	putative putative 60S ribosomal protein L17; protein	-0.14 NA		-0.249		-0.624
A023237_01	xxxx	b/t UDP-N-acetylglucosamine pyrophosphorylase-like	1.044 NA		0.153		0.454
A023239_01	At1g61540	hypothetical protein; protein id: At1g61540.1	0.021 NA		-0.127		-0.035
A023241_01	At1g54010	myosinase-associated protein, putative; protein id: At1g54010.1	0.054	-0.042	0.081		0.587
A023242_01	At1g54090	hypothetical protein; protein id: At1g54090.1	-1.328	-1.666	-1.271		-1.793
A023250_01	At1g11770	FAD-linked oxidoreductase family; protein id: At1g11770.1	-0.152	0.273	-0.349		0.318
A023252_01	At1g20880	RRM-containing protein; protein id: At1g20880.1	-0.986 NA		-0.947		-1.763
A023259_01	At1g10300	putative GTP-binding protein; protein id: At1g10300.1	-1.347	-1.29	-0.788		-1.145
A023272_01	At1g21720	20S proteasome beta subunit C (PBC1); protein id: At1g21720.1	-0.078	-1.555	-0.827		-0.78
A023277_01	At1g47540	trypsin inhibitor 2, putative; protein id: At1g47540.1	-2.535 NA		-2.31 NA		
A023279_01	At4g04750	putative sugar transporter; protein id: At4g04750.1	-1.96 NA	NA	NA		
A023283_01	At1g70980	asparaginyl-tRNA synthetase(SYNC1) protein, putative	-0.354 NA	NA	NA		
A023287_01	At1g52490	hypothetical protein; protein id: At1g52490.1	0.238 NA	NA	NA		
A023290_01	xxxx	b/t late embryogenesis-abundant protein, putative; protein id: At1g52490.1 NA	NA	NA	NA		
A023297_01	At1g73110	rubisco activase, putative; protein id: At1g73110.1	1.03	0.863	1.068		1.382
A023312_01	At1g56040	hypothetical protein; protein id: At1g56040.1	-0.19	0.13 NA			0.188
A023324_01	At3g51895	sulfate transporter ATST1; protein id: At3g51895.1	0.29	0.316	0.518		0.497
A023329_01	At3g46530	disease resistance protein, RPP13-like (CC-NBS class I); protein id: At3g46530.1	-0.831	-1.225 NA			-1.289
A023335_01	At2g33530	putative serine carboxypeptidase II; protein id: At2g33530.1	0.646	0.572	0.551		0.93
A023339_01	At2g43630	unknown protein; protein id: At2g43630.1	0.236	0.492	-0.16		-0.131
A023346_01	At2g43260	hypothetical protein; protein id: At2g43260.1	-0.319 NA	NA	NA		
A023347_01	At2g40590	40S ribosomal protein S26; protein id: At2g40590.1	0.274	0.904	0.911		0.571
A023348_01	At2g47370	hypothetical protein; protein id: At2g47370.1	0.343 NA		0.04		-0.08
A023353_01	At2g17110	expressed protein; protein id: At2g17110.1	-0.793	-1.151 NA			-1.254
A023354_01	At2g23200	putative protein kinase; protein id: At2g23200.1	-2.334	-1.816	-1.225 NA		
A023363_01	At2g32920	putative protein disulfide isomerase; protein id: At2g32920.1	1.001	0.701	0.433		0.795
A023376_01	At2g23790	hypothetical protein; protein id: At2g23790.1	-0.384 NA		0.042		0.125
A023378_01	At2g44270	hypothetical protein; protein id: At2g44270.1	0.267	0.065	0.218		0.383
A023386_01	At2g45800	putative LIM-domain protein; protein id: At2g45800.1	-0.442	-0.399	-0.798		-1.583

A023389_01	At2g45860	hypothetical protein; protein id: At2g45860.1	0.642 NA		0.794	0.668
A023404_01	At2g35290	hypothetical protein; protein id: At2g35290.1	-1.037	-0.738 NA	NA	
A023424_01	At2g32450	putative O-GlcNAc transferase; protein id: At2g32450.1	-0.316 NA		-0.65	-0.47
A023428_01	At2g32500	hypothetical protein; protein id: At2g32500.1	0.355 NA		-0.19	-0.523
A023431_01	At2g32570	unknown protein; protein id: At2g32570.1	0.857	1.098	0.18	0.344
A023433_01	At2g32610	putative cellulose synthase; protein id: At2g32610.1 NA	NA	NA	NA	
A023440_01	At2g38410	unknown protein; protein id: At2g38410.1	-1.271	-1.34	-0.575	-1.65
A023441_01	At2g38420	hypothetical protein; protein id: At2g38420.1	-0.184 NA	NA		-0.529
A023443_01	At2g38450	expressed protein; protein id: At2g38450.1	-0.506 NA	NA		-0.82
A023453_01	At2g14740	spot 3 protein and vacuolar sorting receptor homolog	-0.271	0.275	-0.081	0.393
A023457_01	At2g19720	40S ribosomal protein S15A; protein id: At2g19720.1	0.861	0.743	0.577	0.762
A023470_01	At2g35340	putative pre-mRNA splicing factor RNA helicase; protein id: At2g35340.1	0.176	0.044	0.323	0.889
A023473_01	At2g29050	hypothetical protein; protein id: At2g29050.1	0.532 NA		0.363	0.505
A023476_01	At2g45970	cytochrome P450, putative; protein id: At2g45970.1	0.879	0.939	1.037	1.289
A023491_01	At2g18860	unknown protein; protein id: At2g18860.1	-0.948 NA		-0.395	-1.133
A023504_01	At2g05850	putative serine carboxypeptidase II; protein id: At2g05850.1	-0.277	-0.301 NA	NA	
A023507_01	At2g35660	monooxygenase family; protein id: At2g35660.1	-0.485	0.127	-0.564	-0.012
A023523_01	At2g31960	callose synthase (1,3-beta-glucan synthase) family; protein id: At2g31960.1	-0.798	-1.302 NA		-0.231
A023537_01	At2g36800	putative glucosyl transferase; protein id: At2g36800 NA	NA		-1.72	-2.731
A023546_01	At2g46610	arginine/serine-rich splicing factor RSP31, putative; protein id: At2g46610.1	0.279	0.21	0.369	-0.144
A023566_01	At2g36580	putative pyruvate kinase; protein id: At2g36580.1	0.644	0.4	0.583	0.675
A023589_01	At2g16400	homeodomain protein; protein id: At2g16400.1	-0.12	-0.172	0.019	0.064
A023607_01	At2g13650	putative vanadate resistance protein; protein id: At2g13650.1	-0.101	-0.108 NA		0.192
A023609_01	At2g01860	hypothetical protein; protein id: At2g01860.1	-0.563 NA	NA		-0.501
A023620_01	At2g31500	putative calcium-dependent protein kinase; protein id: At2g31500.1	-0.48	-0.409 NA	NA	
A023621_01	At2g31510	putative RING zinc finger protein; protein id: At2g31510.1	-0.378	-0.62	-0.406	-0.11
A023622_01	At2g31530	putative preprotein translocase SECY protein; protein id: At2g31530.1	0.303	0.17	0.088	0.352
A023623_01	At2g31560	unknown protein; protein id: At2g31560.1	-1.146	-1.383	-0.055	-0.83
A023629_01	At2g31670	unknown protein; protein id: At2g31670.1	0.909	0.96	0.796	0.384
A023630_01	At2g31680	GTP-binding protein, putative; protein id: At2g31680.1	-0.555 NA	NA		-0.427
A023652_01	At2g17150	unknown protein; protein id: At2g17150.1	-0.451 NA	NA	NA	
A023658_01	At2g36080	putative DNA-binding protein RAV2; protein id: At2g36080.1	-1.281 NA		-0.362	-1.24
A023665_01	At2g13370	putative chromodomain-helicase-DNA-binding protein; protein id: At2g13370.1	-0.124	-0.41	0.096	-0.052
A023672_01	At2g22040	unknown protein; protein id: At2g22040.1	-0.12	-0.105	0.133	0.267
A023685_01	At2g25140	HSP100/ClpB, putative; protein id: At2g25140.1	-0.046 NA		-0.443	-0.989
A023689_01	At2g41860	putative calcium-dependent protein kinase; protein id: At2g41860.1	-0.239	-0.327 NA	NA	
A023712_01	At1g18070	EF-1-alpha-related GTP-binding protein, putative; protein id: At1g18070.1	0.23	0.252	0.07	0.275
A023721_01	At1g14880	unknown protein; protein id: At1g14880.1	-3.952 NA	NA	NA	
A023735_01	At1g13780	F-box protein; protein id: At1g13780.1	0.381 NA		0.284	0.258
A023745_01	At1g17370	oligouridylate binding protein (UBP1), putative; protein id: At1g17370.1	-0.108 NA		-0.279	-0.508
A023754_01	At1g48230	unknown protein; protein id: At1g48230.1	0.391	0.641	0.503	0.793
A023756_01	At1g20650	protein kinase, putative; protein id: At1g20650.1	-0.348	-0.485	-0.014	0.567
A023760_01	At1g12320	hypothetical protein; protein id: At1g12320.1	-0.376	-0.479	0.069	-0.47
A023776_01	At1g76030	vacuolar ATP synthase subunit B; protein id: At1g76030.1	-0.033 NA		-0.541	-0.66
A023797_01	At1g03520	N-acetylglucosaminyltransferase family (Core-2/I-Br) protein; protein id: At1g03520.1	-0.678	-0.472	-0.329	-0.408
A023802_01	At1g23350	conserved hypothetical protein; protein id: At1g23350.1	-0.577	-0.31 NA		-2.034
A023806_01	At1g23280	mak16-like protein-related; protein id: At1g23280.1	0.897 NA		0.748	0.695
A023808_01	At1g23260	E2, ubiquitin-conjugating enzyme, putative; protein id: At1g23260.1	-0.31	-0.36	0.044	-0.46
A023814_01	At1g75600	histone H3, putative; protein id: At1g75600.1	-0.947	-0.508	-0.381	-0.554
A023818_01	At1g21440	hypothetical protein; protein id: At1g21440.1	0.504 NA		1	0.95
A023824_01	At1g50660	unknown protein; protein id: At1g50660.1	1.09	0.495	0.413	0.526
A023852_01	At1g47330	unknown protein; protein id: At1g47330.1	-0.007 NA	NA		0.037
A023870_01	At1g61380	expressed protein; protein id: At1g61380.1	0.095	0.135	-0.107	0.251
A023876_01	At1g29030	hypothetical protein; protein id: At1g29030.1	0.212	0.408 NA		0.136
A023896_01	At1g64610	hypothetical protein; protein id: At1g64610.1	-1.083 NA	NA	NA	
A023897_01	At1g76140	prolyl endopeptidase, putative; protein id: At1g76140.1	0.223	0.194	0.182	0.661
A023902_01	At1g27840	G-protein beta-subunit (transducin) family; protein id: At1g27840.1	-0.338 NA	NA		0.218
A023904_01	At1g49130	CONSTANS B-box zinc finger family protein; protein id: At1g49130.1	-0.717	-0.497	-0.339	-0.212
A023913_01	At1g68410	putative protein phosphatase; protein id: At1g68410.1	-0.018	-0.366 NA		0.27
A023941_01	At1g07150	MAP3K gamma protein kinase, putative; protein id: At1g07150.1	NA	NA	NA	NA
A023943_01	At1g26120	hypothetical protein; protein id: At1g26120.1	-0.68 NA		-0.516	-0.651
A023982_01	At3g04960	hypothetical protein; protein id: At3g04960.1	0.414 NA	NA		0.584
A023987_01	At1g47970	expressed protein; protein id: At1g47970.1	0.119 NA		0.318	-0.157
A023993_01	At1g60880	MADS-box protein; protein id: At1g60880.1	-0.348	-0.549	-0.092	-0.115
A023994_01	At1g77500	unknown protein; protein id: At1g77500.1	-0.052	0.085 NA		0.132
A023999_01	At1g64330	unknown protein; protein id: At1g64330.1	0.69	0.241 NA		0.754
A024001_01	At1g29410	phosphoribosylanthranilate isomerase; protein id: At1g29410.1	0.861	0.27	0.751	0.523
A024024_01	At1g36050	acetyl-CoA carboxylase, putative; protein id: At1g36050.1	0.324	0.204	-0.043	0.107

A024026_01	At1g70580	putative alanine aminotransferase; protein id: At1g7	-0.94	-1.429	-0.817	-1.299
A024027_01	At1g68540	putative reductase; protein id: At1g68540.1	0.604	0.265	0.302	0.537
A024030_01	At1g69670	E3 ubiquitin ligase SCF complex subunit Cullin, put	-0.176 NA	NA	NA	NA
A024035_01	At1g68310	unknown protein; protein id: At1g68310.1	0.179	-0.089	0.333	-0.1
A024038_01	At1g75280	isoflavone reductase homolog P3; protein id: At1g7!	-3.048	-2.717	-1.242	-0.687
A024039_01	At1g75300	isoflavone reductase homolog P3, putative; protein	-1.223	-1.767	-0.178	-0.233
A024040_01	At3g01300	putative protein kinase; protein id: At3g01300.1	0.141	-0.02	0.314	0.268
A024042_01	At3g01050	expressed protein; protein id: At3g01050.1	-0.113 NA		-0.231	-0.332
A024046_01	At3g07565	hypothetical protein; protein id: At3g07565.1	-0.603	-0.698	-0.35	-0.609
A024056_01	At3g10270	putative DNA gyrase subunit B; protein id: At3g102!	0.236	0.003	-0.166	-0.253
A024063_01	At3g03430	pollen allergen Bra r II; protein id: At3g03430.1	-0.593	-0.338	-0.811	-1.727
A024067_01	At3g02310	floral homeotic protein AGL4; protein id: At3g02310	-0.67	-0.839	-0.122	0.132
A024071_01	At3g06470	unknown protein; protein id: At3g06470.1	-0.292 NA	NA	NA	NA
A024074_01	At3g05570	unknown protein; protein id: At3g05570.1	-0.191	-0.054 NA		-0.27
A024084_01	At3g07260	unknown protein; protein id: At3g07260.1	-0.032	-0.12	-0.108	-0.195
A024086_01	At3g09900	ras family GTP-binding protein, putative; protein id:	-0.012	-0.58	0.007	0.032
A024089_01	At3g02950	expressed protein; protein id: At3g02950.1	0.56 NA		0.551	0.66
A024092_01	At3g04090	hypothetical protein; protein id: At3g04090.1	-0.937	-0.847	-0.57	-0.933
A024099_01	At1g31630	MADS-box protein; protein id: At1g31630.1	NA	NA	NA	-0.68
A024101_01	At1g08210	expressed protein; protein id: At1g08210.1	0.845	0.801	0.777	1.129
A024105_01	At2g27530	60S ribosomal protein L10A; protein id: At2g27530.	1.051	0.561	0.819	1.361
A024106_01	At5g64813	expressed protein; protein id: At5g64813.1	-0.271	-0.324	-0.14	-0.028
A024107_01	At1g23440	hypothetical protein; protein id: At1g23440.1	-1.615	-1.783	-0.718	-1.328
A024109_01	xxxx	b/t expressed protein; protein id: At2g20890.1 and p	-0.688	-0.664 NA		-0.017
A024112_01	At2g05220	40S ribosomal protein S17; protein id: At2g05220.1	0.417	0.567	0.841	1.211
A024113_01	At5g26734	putative protein; protein id: At5g26734.1	-0.416	-0.178	-0.149	0.139
A024114_01	At4g19390	putative protein; protein id: At4g19390.1	0.286	0.288	-0.172	-0.346
A024115_01	At3g06440	expressed protein; protein id: At3g06440.1	0.528	0.322	-0.065	0.25
A024116_01	At1g42440	expressed protein; protein id: At1g42440.1	0.418	0.167	-0.026	0.365
A024118_01	At1g12250	chloroplast lumen pentapeptide protein, putative; pr	-0.322 NA		-0.514	-0.923
A024123_01	At1g60740	peroxiredoxin, putative; protein id: At1g60740.1	-0.077	0.039	0.127	-0.569
A024128_01	At5g26751	shaggy-like kinase alpha; protein id: At5g26751.1	-0.276	-0.112	-0.141	-0.089
A024151_01	At2g35010	thioredoxin, putative; protein id: At2g35010.1	0.481	0.491	0.645	0.494
A024153_01	At5g12480	calcium-dependent protein kinase-like protein; prote	0.159	-0.121	-0.082	0.531
A024157_01	At5g63710	leucine-rich repeat transmembrane protein kinase, p	-0.898 NA	NA	NA	NA
A024160_01	At5g27670	histone H2A-like protein; protein id: At5g27670.1	-0.185	0.147	0.031	-0.102
A024161_01	At1g61250	secretory carrier membrane protein; protein id: At1g	-0.543	-0.597	-0.45	-0.804
A024166_01	At3g43700	hypothetical protein; protein id: At3g43700.1	0.16 NA	NA		0.078
A024169_01	At1g14920	signal response protein (GAI); protein id: At1g14920	-0.051	0.595	0.828	1.503
A024172_01	At5g17440	putative protein; protein id: At5g17440.1	0.104 NA	NA		-0.006
A024173_01	At3g10480	expressed protein; protein id: At3g10480.1	-0.333	-0.464	0.02	-0.052
A024174_01	At5g24610	putative protein; protein id: At5g24610.1	0.907	0.438	0.393	0.7
A024175_01	At5g28740	putative protein; protein id: At5g28740.1	0.69	0.319 NA		0.205
A024176_01	At1g19580	expressed protein; protein id: At1g19580.1	0.121	0.598	0.14	0.79
A024180_01	At1g26930	A.t. chromosome 1 BAC T9L24 genomic sequence,	-0.858	-0.896	-0.233	-0.76
A024181_01	At2g18750	calmodulin-binding protein; protein id: At2g18750.1	-0.38	-0.824	-0.406	-0.29
A024182_01	At1g05560	UDP-glucose transferase(UGT1); protein id: At1g05	-2.699	-2.99	-1.47	-1.893
A024183_01	At5g55930	sexual differentiation process protein ISP4-like; prot	-0.806	-0.721	-0.642	-1.085
A024184_01	At1g27650	splicing factor U2AF small subunit, putative; protein	0.111	-0.215	-0.024	-0.5
A024187_01	At4g21540	putative protein; protein id: At4g21540.1	-0.483	-0.82	-0.458	-0.486
A024188_01	At1g31340	related-to-ubiquitin (AtRUB1), putative; protein id: A	-0.289	-0.231	0.059	-0.2
A024191_01	At4g09620	putative protein; protein id: At4g09620.1	0.004	-0.045	-0.116	-0.135
A024192_01	At2g19450	diacylglycerol O-acyltransferase; protein id: At2g19!	0.029	0.296	-0.365	-0.096
A024193_01	At5g42390	pitriylsin; protein id: At5g42390.1	NA	NA	-0.775	-0.78
A024195_01	At1g51500	ABC transporter family protein; protein id: At1g5150	-1.246	-1.394	-0.814	-1.166
A024196_01	At1g52370	chloroplast 50S ribosomal protein L22, putative; pro	0.239 NA		0.253	0.549
A024197_01	At2g42030	putative RING zinc finger protein; protein id: At2g42	0.038	-0.271	-0.265	-0.451
A024199_01	At3g23980	unknown protein; protein id: At3g23980.1	0.134 NA	NA	NA	NA
A024201_01	At4g28200	putative protein; protein id: At4g28200.1	0.396	0.274 NA		-0.633
A024207_01	At1g49820	expressed protein; protein id: At1g49820.1	-0.117	-0.374	-0.384	-0.311
A024209_01	At1g71840	G-protein beta-subunit (transducin) family; protein ic	0.106	-0.019	0.012	0.509
A024211_01	At4g32160	putative protein; protein id: At4g32160.1	-0.218	-0.648	-0.71	-0.494
A024212_01	At3g15610	expressed protein; protein id: At3g15610.1	-0.533	-0.519	-0.018	0.254
A024214_01	At4g08320	putative protein (fragment); protein id: At4g08320.1	-0.193 NA		-0.394	-0.208
A024215_01	At4g36250	aldehyde dehydrogenase like protein; protein id: At!	0.659	0.466	0.608	1.039
A024219_01	At5g57710	101 kDa heat shock protein; HSP101-like protein; p	-1.504	-1.446	-0.861	-1.33
A024220_01	At4g33380	putative protein; protein id: At4g33380.1	0.063 NA		-0.227	-0.039
A024222_01	At3g46000	actin depolymerizing factor 2 (ADF2); protein id: At!	0.153	-0.239	0.012	-0.279

A024223_01	At2g47350	unknown protein; protein id: At2g47350.1	-0.068	-0.333	NA	-0.244
A024224_01	At3g07220	unknown protein; protein id: At3g07220.1	-0.382	-0.315	-0.362	-0.587
A024226_01	At1g74380	putative alpha galactosyltransferase; protein id: At1g74380.1	0.269	0.367	NA	0.317
A024227_01	At1g18620	unknown protein; protein id: At1g18620.1	0.265	NA	-0.498	-0.561
A024228_01	At4g35270	putative protein; protein id: At4g35270.1	-1.071	-1.261	NA	NA
A024229_01	At4g32285	putative protein; protein id: At4g32285.1	-0.15	NA	NA	-0.79
A024230_01	At4g19430	expressed protein; protein id: At4g19430.1	0.147	-0.214	-0.222	-0.79
A024232_01	At1g01780	LIM domain protein, putative; protein id: At1g01780.1	-0.929	-0.677	-0.523	-0.844
A024235_01	At1g03290	unknown protein; protein id: At1g03290.1	-0.442	-0.548	-0.256	0.172
A024236_01	At2g45590	putative protein kinase; protein id: At2g45590.1	0.531	0.609	0.679	0.831
A024237_01	At1g04630	unknown protein; protein id: At1g04630.1	0.424	0.771	0.342	0.405
A024239_01	At5g06300	lysine decarboxylase-like protein; protein id: At5g06300.1	0.169	0.308	0.496	0.898
A024241_01	At3g61540	prolyl aminopeptidase-like protein; protein id: At3g61540.1	0.352	NA	NA	-0.038
A024242_01	At3g19640	unknown protein; protein id: At3g19640.1	-0.164	0.076	0.151	0.577
A024243_01	At1g72390	unknown protein; protein id: At1g72390.1	-0.345	-1.065	NA	NA
A024246_01	At2g47960	expressed protein; protein id: At2g47960.1	-0.089	-0.206	-0.262	-0.375
A024247_01	At1g03060	putative transport protein; protein id: At1g03060.1	0.419	-0.354	NA	-0.706
A024248_01	At5g54670	kinesin-like protein C (katC); protein id: At5g54670.1	0.31	0.162	0.579	1.254
A024249_01	At2g40140	putative CCCH-type zinc finger protein; protein id: At2g40140.1	-1.394	-1.609	-0.732	-1.101
A024250_01	At1g23740	putative auxin-induced protein; protein id: At1g23740.1	-0.919	-0.436	-0.963	-0.346
A024251_01	At2g06990	DEAD/DEAH box RNA helicase (HUA ENHANCER); protein id: At2g06990.1	0.238	0.072	0.104	0.724
A024253_01	At4g02010	putative NAK-like ser/thr protein kinase; protein id: At4g02010.1	0.49	0.227	NA	0.662
A024255_01	At2g16280	putative beta-ketoacyl-CoA synthase; protein id: At2g16280.1	-0.289	-0.003	0.327	0.473
A024257_01	At5g58640	putative protein; protein id: At5g58640.1	0.174	0.298	0.369	0.071
A024258_01	At4g18130	phytochrome E; protein id: At4g18130.1	0.044	-0.055	0.403	0.412
A024259_01	At3g48340	AtCEP2; cysteine proteinase; protein id: At3g48340.1	-2.629	-3.151	-1.258	-2.088
A024261_01	At5g30495	hypothetical protein; protein id: At5g30495.1	-0.187	0.394	0.112	0.486
A024262_01	At4g11680	putative protein; protein id: At4g11680.1	0.336	NA	NA	-0.023
A024268_01	At2g43020	putative amine oxidase; protein id: At2g43020.1	-0.161	NA	-0.103	0.233
A024270_01	not annotated	between At3g26390 and At3g26400 Chr3 W/96668:1-96669:1	-1.042	NA	-0.457	-0.902
A024271_01	xxxx	b/t hypothetical protein; protein id: At3g17230.1 and At3g17230.2	0.262	0.102	0.297	0.598
A024272_01	At3g09910	GTP-binding protein, putative; protein id: At3g09910.1	-0.118	-0.312	0.55	0.684
A024274_01	At5g54580	RRM-containing protein; protein id: At5g54580.1	0.291	0.39	0.439	0.305
A024276_01	At5g61240	Cf-5 disease resistance protein - like; protein id: At5g61240.1	0.091	NA	0.458	0.395
A024279_01	At2g14080	disease resistance protein (TIR-NBS-LRR class), putative; protein id: At2g14080.1	-1.43	NA	NA	NA
A024280_01	At1g05520	transport protein, putative; protein id: At1g05520.1	-0.08	NA	NA	NA
A024282_01	At5g62740	putative protein; protein id: At5g62740.1	-0.421	-0.458	-0.024	0.036
A024284_01	At2g44760	unknown protein; protein id: At2g44760.1	0.381	NA	NA	0.08
A024286_01	At1g05150	putative O-GlcNAc transferase; protein id: At1g05150.1	0.538	NA	NA	0.829
A024288_01	At4g34640	farnesyl-diphosphate farnesyltransferase (squalene synthase); protein id: At4g34640.1	0.255	0.011	0.202	0.951
A024289_01	At3g52360	expressed protein; protein id: At3g52360.1	-0.684	-0.105	NA	-0.532
A024291_01	At1g14320	tumor suppressor, putative; protein id: At1g14320.1	0.968	0.592	0.773	1.487
A024292_01	At1g08930	zinc finger protein ATZF1, putative; protein id: At1g08930.1	-1.176	-0.439	-0.894	-1.749
A024293_01	At2g41160	unknown protein; protein id: At2g41160.1	NA	NA	-0.071	-0.254
A024294_01	At3g19950	unknown protein; protein id: At3g19950.1	-0.061	-0.014	0.168	0.204
A024296_01	xxxx	b/t fructose-bisphosphate aldolase - like protein; protein id: At3g19950.1	-0.709	-0.517	NA	-0.085
A024297_01	At5g08130	myc-like protein; protein id: At5g08130.1	0.228	NA	NA	-0.009
A024298_01	At4g30270	xyloglucan endotransglycosylase (meri5B); protein id: At4g30270.1	-4.064	-4.027	-2.193	-2.472
A024299_01	At3g12020	kinesin-related protein; protein id: At3g12020.1	-1.437	NA	NA	-1.956
A024300_01	At1g70310	spermidine synthase, putative; protein id: At1g70310.1	0.281	0.379	-0.059	0.046
A024302_01	At1g15780	hypothetical protein; protein id: At1g15780.1	-0.204	-0.567	-0.06	-0.383
A024303_01	At5g50160	FRO1 and FRO2-like protein; protein id: At5g50160.1	-0.337	-0.732	-0.722	-0.942
A024304_01	At3g10490	expressed protein; protein id: At3g10490.1	-0.652	-1.034	NA	-0.747
A024305_01	At3g17040	unknown protein; protein id: At3g17040.1	-0.131	-0.338	-0.52	-0.219
A024306_01	At1g71070	N-acetylglucosaminyltransferase family (Core-2/I-Br) protein; protein id: At1g71070.1	0.671	0.923	0.89	1.042
A024308_01	At1g48450	unknown protein; protein id: At1g48450.1	-0.436	-0.364	-0.698	-0.832
A024310_01	At2g47110	ubiquitin extension protein (UBQ6); protein id: At2g47110.1	0.751	0.521	0.708	1.429
A024311_01	At2g19620	putative SF21 protein (Helianthus annuus); protein id: At2g19620.1	1.162	1.141	0.908	1.294
A024312_01	At4g18905	expressed protein; protein id: At4g18905.1	0.205	0.263	0.132	0.446
A024315_01	At3g02200	unknown protein; protein id: At3g02200.1	0.255	0.247	0.341	0.806
A024318_01	At3g48930	cytosolic ribosomal protein S11; protein id: At3g48930.1	0.944	0.935	0.968	1.562
A024321_01	At3g13930	putative acetyltransferase; protein id: At3g13930.1	0.496	0.257	0.187	0.461
A024326_01	At5g56870	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At5g56870.1	-4.198	-4.452	-2.822	-3.849
A024328_01	At2g36240	putative salt-inducible protein; protein id: At2g36240.1	0.158	0.186	NA	0.134
A024330_01	At3g09840	putative transitional endoplasmic reticulum ATPase; protein id: At3g09840.1	-0.374	-0.376	-0.223	0.152
A024331_01	At1g24300	unknown protein; protein id: At1g24300.1	-0.652	-0.661	NA	-0.865
A024332_01	At3g16180	putative transport protein; protein id: At3g16180.1	0.882	0.896	0.754	1.369
A024337_01	At1g73450	protein kinase, putative; protein id: At1g73450.1	0.254	-0.244	0.1	0.227

A024339_01	At5g61780	100 kDa coactivator - like protein; protein id: At5g61	0.576	0.621	0.36	0.266
A024342_01	At1g29470	unknown protein; protein id: At1g29470.1	1.113	0.723	0.132	0.176
A024343_01	At1g56110	SAR DNA binding protein, putative; protein id: At1g5	1.076	0.823	0.699	1.164
A024345_01	At1g50140	hypothetical protein; protein id: At1g50140.1	0.104 NA	NA		-0.123
A024346_01	At1g16190	hypothetical protein; protein id: At1g16190.1	0.831	0.665	0.779	0.911
A024347_01	At5g06700	putative protein; protein id: At5g06700.1	-0.137	-0.058	-0.344	-0.511
A024348_01	At4g39960	DnaJ - like protein; protein id: At4g39960.1	-0.142 NA		-0.279	-0.25
A024349_01	At1g72900	disease resistance protein (TIR-NBS class), putative	-2.002	-1.982	-2.019	-1.737
A024350_01	At1g62570	flavin-containing monooxygenase, putative; protein	-1.282 NA	NA		-1.02
A024352_01	At3g01310	unknown protein; protein id: At3g01310.1	-0.163	-0.107	-0.556	-0.793
A024353_01	At4g20170	putative protein; protein id: At4g20170.1	0.495	0.378	0.401	0.513
A024354_01	At2g39330	putative myosinase-binding protein; protein id: At2g	1.758	1.603	1.454	1.949
A024356_01	At5g38480	14-3-3 protein GF14 psi (grf3/RC11); protein id: At5g	0.581	0.562	0.41	0.19
A024357_01	At1g14670	endomembrane protein 70, putative; protein id: At1g	0.571 NA		0.225	0.067
A024360_01	At1g15380	expressed protein; protein id: At1g15380.1	-1.47	-1.511	-0.453	-1.162
A024361_01	At2g31610	40S ribosomal protein S3, putative; protein id: At2g	0.677	0.743	0.636	1.156
A024362_01	At5g39050	acyltransferase - like protein	-0.961	-0.851	0.093	-0.168
A024363_01	At1g74510	hypothetical protein; protein id: At1g74510.1	0.389	0.336	0.397	0.341
A024368_01	At4g26970	putative aconitase; protein id: At4g26970.1	-0.516 NA	NA		-0.617
A024369_01	At1g15970	hypothetical protein; protein id: At1g15970.1	0.921 NA		0.555	1.035
A024370_01	At2g14720	spot 3 protein and vacuolar sorting receptor homolo	-0.473	-0.425	-0.466	-0.04
A024372_01	At3g27020	expressed protein; protein id: At3g27020.1	-1.621	-1.605	-0.912	-1.226
A024373_01	At3g20083	pseudogene, cytochrome P450; protein id: At3g200	-2.309 NA		-1.2	-2.118
A024374_01	At4g00630	putative potassium/H+ antiporter; protein id: At4g00	-0.155	-0.584 NA		-0.806
A024376_01	At1g20575	expressed protein; protein id: At1g20575.1	-0.07 NA		0.046	-0.233
A024377_01	At4g31580	putative RSZp22 splicing factor; protein id: At4g315	0.172	0.463	0.558	1.079
A024382_01	At4g13270	hypothetical protein; protein id: At4g13270.1	-0.356	-0.502	-0.087	-0.727
A024389_01	At4g19660	putative protein; protein id: At4g19660.1	-0.001 NA	NA		-0.17
A024392_01	At2g40510	40S ribosomal protein S26; protein id: At2g40510.1	0.475	0.628	0.685	0.82
A024394_01	At3g19240	dem-like protein; protein id: At3g19240.1	-0.699	-0.936	-0.71	-0.857
A024395_01	At1g49510	unknown protein; protein id: At1g49510.1	0.121	0.087	0	0.024
A024396_01	At1g55960	membrane related protein CP5, putative; protein id:	-1.337 NA		-1.067	-1.119
A024397_01	At3g45830	DNA-binding protein - like; protein id: At3g45830.1	-0.568	-0.79	-0.218	0.1
A024398_01	At1g53310	phosphoenolpyruvate carboxylase 1, putative; prote	0.654	0.584	0.732	1.246
A024399_01	At3g14270	unknown protein; protein id: At3g14270.1	-0.979	-1.393 NA		-0.851
A024400_01	At5g23610	putative protein; protein id: At5g23610.1	-0.411	-0.666	-0.236	0.042
A024401_01	At4g01880	unknown protein; protein id: At4g01880.1	NA	NA	NA	0.032
A024402_01	At5g09850	unknown protein; protein id: At5g09850	0.078 NA		0.12	0.291
A024403_01	At1g53850	20S proteasome alpha subunit E1 (PAE1); protein id:	0.108	0.121	0.142	0.184
A024404_01	At5g40810	cytochrome c1 precursor; protein id: At5g40810.1	0.157	0.059	-0.089	0.172
A024405_01	At1g73920	putative lipase; protein id: At1g73920.1	-0.559 NA		-0.895	-1.016
A024406_01	At1g65430	unknown protein; protein id: At1g65430.1	NA	NA	NA	-0.294
A024410_01	At3g60770	ribosomal protein S13 -like; protein id: At3g60770.1	0.849	0.605	0.637	0.781
A024413_01	At2g29180	unknown protein; protein id: At2g29180.1	0.101	0.457	0.13	-0.511
A024414_01	At2g32480	expressed protein; protein id: At2g32480.1	-0.484	-0.796	-0.626	-0.582
A024417_01	At1g18330	hypothetical protein; protein id: At1g18330.1	-0.414 NA		-0.633	-1.423
A024421_01	At5g02020	putative protein; protein id: At5g02020.1	-2.751	-2.852	-1.074	-2.623
A024425_01	At3g26650	glyceraldehyde 3-phosphate dehydrogenase A subu	-0.462	-0.427	-0.457	0.129
A024428_01	At1g48760	delta-adaptin, putative; protein id: At1g48760.1	0.163 NA	NA	NA	
A024429_01	At4g30350	putative protein; protein id: At4g30350.1	NA	NA	-0.501	-0.62
A024430_01	At3g42640	plasma membrane H+-ATPase-like protein; protein	-0.439	-0.676	-1.029	-1.106
A024431_01	At5g23670	serine palmitoyltransferase; protein id: At5g23670.1	0.096	-0.052	-0.279	0.129
A024434_01	At1g60610	unknown protein; protein id: At1g60610.1	-0.801	-0.753	-0.466	-0.287
A024435_01	At5g54940	translation initiation factor-like protein; protein id: At	-1.552	-2.023	-1.248	-1.869
A024439_01	At1g19910	vacuolar H+-ATPase proteolipid (16 kDa) subunit; p	-0.513	-0.379	-0.17	-0.01
A024440_01	At5g18170	glutamate dehydrogenase (EC 1.4.1.-) 1 (pir||S7121	0.092 NA		-0.337	-0.574
A024441_01	At1g61740	unknown protein; protein id: At1g61740.1	-0.481 NA		0.207	0.187
A024442_01	At2g24420	expressed protein; protein id: At2g24420.1	-0.737	-0.743	-0.806	-0.765
A024443_01	At2g25210	60S ribosomal protein L39; protein id: At2g25210.1	0.598	0.747	0.994	0.628
A024445_01	At2g19760	profilin 1; protein id: At2g19760.1	0.083	0.262	0.275	-0.039
A024447_01	At1g71880	sucrose transport protein SUC1; protein id: At1g718	-1.929	-1.345	-1.583	-2.092
A024449_01	At4g18440	adenylosuccinate lyase - like protein; protein id: At4	0.474	0.434	-0.557	-0.464
A024451_01	At3g15730	phospholipase D, putative; protein id: At3g15730.1	-0.017	-0.094	-0.008	0.379
A024452_01	At3g59780	putative protein; protein id: At3g59780.1	0.014	0.269 NA		-0.075
A024453_01	At1g03860	putative prohibitin 2; protein id: At1g03860.1	1.148	0.779	0.549	1.016
A024454_01	At3g22120	unknown protein; protein id: At3g22120.1	0.345	0.262	0.327	1.513
A024456_01	At1g58032	hypothetical protein; protein id: At1g58032.1	-1.055	-1.276	-0.785	-1.058
A024457_01	At4g20820	FAD-linked oxidoreductase family; protein id: At4g2	NA	NA	NA	NA

A024459_01	At4g31860	protein phosphatase 2C (PP2C); protein id: At4g31860.1	-0.239	-0.402	-0.078	0.023
A024461_01	At4g29350	profilin 2; protein id: At4g29350.1	-0.54	-1.028	-0.37	0.045
A024464_01	At5g16570	expressed protein; protein id: At5g16570.1	-2.672	-3.264	-1.482	NA
A024465_01	At3g28050	expressed protein; protein id: At3g28050.1	-0.982	-1.268	-0.435	-0.549
A024470_01	At1g51400	photosystem II 5 KD protein; protein id: At1g51400.1	-0.543	-0.589	-0.578	-0.573
A024471_01	At1g70620	unknown protein; protein id: At1g70620.1	0.066	-0.252	-0.704	-0.37
A024473_01	At1g59700	glutathione transferase, putative; protein id: At1g59700.1	NA	NA	NA	NA
A024474_01	At5g66510	ferrityochelin-binding protein-like; protein id: At5g66510.1	0.912	0.924	0.945	1.308
A024475_01	At1g06680	photosystem II oxygen-evolving complex 23 (OEC23); protein id: At1g06680.1	0.493	-0.052	-0.147	0.455
A024476_01	At1g72020	expressed protein; protein id: At1g72020.1	0.207	0.349	0.54	0.583
A024477_01	At5g50850	pyruvate dehydrogenase E1 component beta subunit; protein id: At5g50850.1	0.334	0.133	0.095	0.07
A024478_01	At5g36160	putative protein; protein id: At5g36160.1	-1.24	-0.974	-0.355	-0.326
A024480_01	At5g11040	putative protein; protein id: At5g11040.1	0.329	0.321	NA	0.127
A024481_01	At4g17340	membrane channel like protein; protein id: At4g17340.1	-1.817	-1.637	-1.422	NA
A024482_01	At2g26280	unknown protein; protein id: At2g26280.1	-0.932	-1.105	-0.443	-0.499
A024484_01	At1g68660	expressed protein; protein id: At1g68660.1	-1.309	-1.13	-0.654	-1.498
A024485_01	At1g22410	3-deoxy-D-arabino-heptulosonate 7-phosphate, putative; protein id: At1g22410.1	0.364	-0.398	0.074	0.358
A024489_01	At3g20650	unknown protein; protein id: At3g20650.1	-0.011	-0.136	0.15	0.398
A024490_01	At5g05540	putative protein; protein id: At5g05540.1	0.476	0.287	0.342	0.653
A024493_01	At5g23600	putative protein; protein id: At5g23600.1	-0.29	-0.596	-0.191	-0.216
A024494_01	xxxx	b/t unknown protein; protein id: At2g25480.1 and F-xxxx; protein id: F-xxxx	-0.985	-0.751	-0.442	-0.902
A024495_01	At2g27500	glycosyl hydrolase family 17; protein id: At2g27500.1	NA	NA	-1.913	-2.567
A024496_01	At5g13720	unknown protein; protein id: At5g13720.1	-1.112	-0.954	-0.504	-1.397
A024499_01	At3g58830	putative protein; protein id: At3g58830.1	0.208	0.216	0.51	0.414
A024500_01	At2g38120	AUX1. Auxin resistant 1; auxin transport; protein id: At2g38120.1	-0.064	-0.202	0.296	0.16
A024501_01	At4g32060	putative protein; protein id: At4g32060.1	-0.43	NA	-0.884	-0.38
A024502_01	At2g41380	putative embryo-abundant protein; protein id: At2g41380.1	-2.883	NA	NA	NA
A024503_01	At2g37750	A.t. chromosome I BAC F9H16 genomic sequence; protein id: At2g37750.1	NA	NA	NA	NA
A024504_01	At3g13790	glycosyl hydrolase family 32; protein id: At3g13790.1	0.166	-0.168	-0.774	-0.885
A024505_01	At4g11840	phospholipase D-gamma, putative; protein id: At4g11840.1	0.005	-0.342	NA	0.032
A024506_01	At2g36390	starch branching enzyme II; protein id: At2g36390.1	0.853	0.613	0.335	0.379
A024507_01	At5g67380	casein kinase II alpha subunit; protein id: At5g67380.1	0.081	-0.066	-0.131	0.368
A024508_01	At3g28940	ALG2-like protein; protein id: At3g28940.1	-1.205	-1.126	-0.591	-1.114
A024509_01	At4g23430	putative protein; protein id: At4g23430.1	-1.142	-1.216	-1.024	-1.246
A024510_01	At3g05490	expressed protein; protein id: At3g05490.1	0.582	0.592	0.228	0.022
A024511_01	At4g27320	putative protein; protein id: At4g27320.1	-0.736	-0.604	-0.075	-0.834
A024512_01	At3g19450	cinnamyl alcohol dehydrogenase; protein id: At3g19450.1	-1.092	-1.147	-0.781	-0.65
A024513_01	At4g37550	formamidase - like protein; protein id: At4g37550.1	-0.379	-0.637	-0.658	-0.46
A024514_01	At4g35090	catalase 2; protein id: At4g35090.1	-1.411	-1.681	-0.554	-1.314
A024518_01	At2g25070	protein phosphatase 2C (PP2C); protein id: At2g25070.1	-1.104	-1.063	-0.748	-0.478
A024521_01	At1g17200	expressed protein; protein id: At1g17200.1	0.728	0.878	0.719	0.989
A024522_01	At3g09390	metallothionein-like protein; protein id: At3g09390.1	-0.841	-0.916	0.031	-0.38
A024523_01	At3g57290	translation initiation factor 3-like protein; protein id: At3g57290.1	0.643	0.4	0.322	0.576
A024526_01	At4g10840	putative protein; protein id: At4g10840.1	0.398	-0.106	-0.265	-0.224
A024527_01	At1g75750	expressed protein; protein id: At1g75750.1	-1.985	-2.431	-1.309	-1.506
A024528_01	At3g22440	hydroxyproline-rich glycoprotein family; protein id: At3g22440.1	-0.719	-0.861	-0.341	-0.664
A024530_01	At4g23650	putative calcium-dependent protein kinase (CDPK6); protein id: At4g23650.1	0.722	0.354	0.35	0.792
A024531_01	At1g36160	hypothetical protein; protein id: At1g36160.1	0.378	0.29	0.631	1.245
A024532_01	At1g63000	expressed protein; protein id: At1g63000.1	0.378	0.411	0.374	0.763
A024534_01	At4g14160	transport protein; protein id: At4g14160.1	-0.72	-0.802	-0.79	-0.843
A024536_01	At1g05850	glycosyl hydrolase family 19 (chitinase); protein id: At1g05850.1	0.445	0.297	0.219	0.217
A024538_01	At3g06850	branched chain alpha-keto acid dehydrogenase E2; protein id: At3g06850.1	-0.478	-0.676	-0.605	-0.534
A024539_01	At5g51120	polyadenylate-binding protein II (PAB2), putative; protein id: At5g51120.1	0.435	0.322	0.44	0.07
A024544_01	At5g02260	expansin, putative; protein id: At5g02260.1	-0.873	NA	NA	-1.238
A024545_01	At4g21280	expansin, putative; protein id: At4g21280.1	0.379	0.386	-0.34	-0.591
A024546_01	At1g64520	26S proteasome regulatory subunit (RPN12), putative; protein id: At1g64520.1	0.564	0.083	0.451	0.659
A024547_01	At5g23040	putative protein; protein id: At5g23040.1	0.233	NA	-0.073	-0.307
A024548_01	At2g46550	expressed protein; protein id: At2g46550.1	-0.52	-0.814	-0.718	-0.78
A024549_01	At1g33250	unknown protein; protein id: At1g33250.1	0.012	-0.008	-0.431	-0.476
A024551_01	At2g20010	unknown protein; protein id: At2g20010.1	-0.302	-0.55	NA	NA
A024554_01	At3g12590	unknown protein; protein id: At3g12590.1	0.414	0.754	0.759	-0.084
A024555_01	At1g72910	disease resistance protein (TIR-NBS class), putative; protein id: At1g72910.1	NA	NA	NA	NA
A024557_01	At1g27730	salt-tolerance zinc finger protein; protein id: At1g27730.1	NA	NA	-1.758	-2.471
A024558_01	At3g18820	GTP-binding protein, putative; protein id: At3g18820.1	-0.447	-0.418	-0.427	-0.489
A024559_01	At1g42550	unknown protein; protein id: At1g42550.1	-1.174	-1.515	-0.822	-1.237
A024560_01	At5g61600	DNA binding protein - like; protein id: At5g61600.1	-2.388	-2.145	-1.236	-2.542
A024561_01	At1g78900	ATPase 70 kDa subunit, putative; protein id: At1g78900.1	0.64	0.12	-0.267	-0.064
A024562_01	At1g43170	ribosomal protein; protein id: At1g43170.1	0.624	0.541	0.615	1.416

A024563_01	At3g60130	glycosyl hydrolase family 1; protein id: At3g60130.1	-0.04	0.748	-0.676	-0.358
A024564_01	At1g05190	putative chloroplast 50S ribosomal protein, L6; prote	0.519	0.315	0.006	0.074
A024565_01	At5g64130	expressed protein; protein id: At5g64130.1	0.406	0.415	0.188	-0.144
A024567_01	At3g62750	glycosyl hydrolase family 1; protein id: At3g62750.1	-0.318 NA		-0.539	-0.752
A024568_01	At2g30880	unknown protein; protein id: At2g30880.1	0.393	0.17	0.241	0.408
A024569_01	At5g15650	reversibly glycosylated polypeptide-3; protein id: At5	0.812	0.991	0.86	1.23
A024570_01	At5g65620	putative oligopeptidase A	0.33	0.115	-0.054	0.383
A024571_01	At4g34680	GATA transcription factor 3	-0.903	-0.801	-0.009	-0.123
A024572_01	At1g72320	pumilio-family RNA-binding protein, putative; proteir	0.211	0.185	0.23	0.346
A024573_01	At5g52430	unknown protein; protein id: At5g52430.1	NA	NA	NA	-0.332
A024575_01	At4g02620	putative vacuolar ATPase; protein id: At4g02620.1	-0.292	0.078	-0.047	-0.611
A024576_01	At1g30880	expressed protein; protein id: At1g30880.1	-0.057	-0.092	0.367	-0.088
A024577_01	At4g39670	putative protein; protein id: At4g39670.1	-0.684	-0.42 NA	NA	
A024578_01	At3g17810	dehydrogenase, putative; protein id: At3g17810.1	-1.593	-2.082	-0.895	-1.43
A024579_01	At2g38050	3-oxo-5-alpha-steroid 4-dehydrogenase; protein id: . NA	NA	NA	0.04	-1.072
A024580_01	At5g11680	unknown protein	-0.728	-1.09	-0.674	-1.106
A024581_01	At3g16570	expressed protein; protein id: At3g16570.1	-0.364 NA		-0.193	-1.03
A024583_01	At5g15090	voltage-dependent anion-selective channel protein I	0.28	0.141	0.045	-0.032
A024584_01	At2g24200	putative leucine aminopeptidase; protein id: At2g24:	-0.028	0.075	0.125	0.876
A024585_01	At3g52590	ubiquitin extension protein 1 (UBQ1); protein id: At3	0.761	0.761	0.845	1.412
A024586_01	At1g19920	sulfate adenylyltransferase; protein id: At1g19920.1	0.578	0.589	0.698	1.197
A024588_01	At4g37300	putative protein; protein id: At4g37300.1	-0.63	-0.647	-0.007	-0.966
A024589_01	At1g79010	NADH dehydrogenase, putative; protein id: At1g790	0.116	0.104	0.086	0.141
A024590_01	At5g13410	FKBP-type peptidyl-prolyl cis-trans isomerase; prote	-0.331	-0.015	-0.413	-1.036
A024592_01	At1g43890	GTP-binding protein(RAB1Y), putative; protein id: A	-0.499	-0.092	0.176	-0.105
A024595_01	At1g22630	auxin-regulated protein; protein id: At1g22630.1	-0.229	-0.354	-0.05	-0.614
A024596_01	At3g28710	adenosine triphosphatase, putative; protein id: At3g	-0.004	-0.178	-0.184	0.322
A024597_01	At2g21170	putative triosephosphate isomerase; protein id: At2g	0.698	0.39	0.208	-0.178
A024598_01	At5g47120	Bax inhibitor-1 like; protein id: At5g47120.1	-0.718	-0.783	-0.346	-0.801
A024599_01	At2g25080	glutathione peroxidase, putative; protein id: At2g250	-1.804	-1.615	-1.42	-1.893
A024601_01	At1g63220	putative elicitor-responsive gene; protein id: At1g63:	0.8	0.744	0.597	0.223
A024602_01	At3g57050	cystathionine beta-lyase precursor (CBL); protein id	0.091	-0.158	0.027	0.587
A024603_01	At2g25790	leucine-rich repeat transmembrane protein kinase, p	-0.1	0.079	0.216	0.061
A024604_01	At3g63000	putative protein; protein id: At3g63000.1	-0.427	-0.488	0.081	-0.079
A024605_01	At2g27910	unknown protein; protein id: At2g27910.1	0.149	0.168	0.207	0.639
A024606_01	At1g68000	phosphatidylinositol synthase (PIS1); protein id: At1	-0.449 NA		-0.186	-0.403
A024607_01	At1g74520	AtHVA22a; protein id: At1g74520.1	0.541	0.227	0.397	0.526
A024608_01	At2g01910	unknown protein; protein id: At2g01910.1	-0.685	-0.851	-0.312	-0.472
A024609_01	At4g25970	putative phosphatidylserine decarboxylase; protein i	-0.087	-0.277	-0.631	-0.655
A024610_01	At4g19840	lectin like protein; protein id: At4g19840.1	-2.257	-2.714	-0.998	-2.266
A024611_01	At4g31550	putative putaive DNA-binding protein	-0.609	-0.876	-0.879	-1.638
A024612_01	At5g53160	putative protein; protein id: At5g53160.1	-1.199	-1.418	-1.23	-1.539
A024613_01	At5g42030	putative protein; protein id: At5g42030.1	-0.168	-0.196	0.042	-0.239
A024614_01	At1g01320	hypothetical protein; protein id: At1g01320.1	-0.132	-0.438 NA		-0.758
A024615_01	At1g56700	expressed protein; protein id: At1g56700.1	-0.109	-0.316	0.192	0.318
A024616_01	At2g24060	putative chloroplast initiation factor 3; protein id: At2	0.229	0.329	0.299	0.268
A024617_01	At1g49240	actin 8; protein id: At1g49240.1	0.017	0.076	0.042	0.062
A024620_01	At4g24690	putative protein	-1.093	-0.699	-0.855	-0.886
A024621_01	At2g46330	arabinogalactan-protein (AGP16); protein id: At2g46	0.851 NA		0.264	-0.549
A024622_01	At2g18960	plasma membrane proton ATPase (PMA); protein ic	-1	-1.108	-0.69	-0.526
A024624_01	At1g16890	E2, ubiquitin-conjugating enzyme, putative; protein i	-0.692	-0.837	-0.208	-0.623
A024626_01	At1g30440	non-phototropic hypocotyl, putative; protein id: At1g	1.061	0.195	0.15	0.569
A024627_01	At1g03130	putative photosystem I reaction center subunit II pre	-0.469	-0.875	-0.521	-1.45
A024628_01	At5g66910	disease resistance protein (CC-NBS-LRR class), pu NA		-0.644 NA		-0.322
A024629_01	At4g35830	unknown protein	-0.394	-0.439	-0.643	-0.713
A024630_01	At1g18540	60S ribosomal protein L6, putative; protein id: At1g1	0.936 NA		0.681	1.006
A024631_01	At5g44860	putative protein; protein id: At5g44860.1	0.12	0.041	0.218	0.253
A024632_01	At4g29130	hexokinase; protein id: At4g29130.1	0.527	0.344	0.506	1.022
A024633_01	At1g66180	expressed protein; protein id: At1g66180.1	1.174	1.122	0.246	0.626
A024634_01	At1g03630	putative protochlorophyllide reductase; protein id: A	0.319	0.152	-0.533	-0.262
A024635_01	At1g79560	FtsH protease, putative; protein id: At1g79560.1	1.381	1.119	0.889	1.057
A024636_01	At1g23310	putative alanine aminotransferase; protein id: At1g2	-1.523	-1.791	-1.278	-1.474
A024637_01	At1g48830	40S ribosomal protein S7 homolog, putative; proteir	0.762	0.689	0.602	1.05
A024638_01	At1g08450	calreticulin, putative; protein id: At1g08450.1	-0.435	-0.635	-0.387	-0.105
A024640_01	At2g19480	putative nucleosome assembly protein; protein id: A	0.093	-0.331	-0.086	0.113
A024642_01	At2g01420	PIN4; putative auxin transport protein; protein id: At	-1.484	-1.127	-0.62	-1.232
A024644_01	At3g49910	60S RIBOSOMAL PROTEIN - like; protein id: At3g4	0.881	0.835	0.73	0.258
A024645_01	At4g35860	putative GTP-binding protein GB2	-0.787	-0.5	-0.275	-0.674

A024646_01	At2g35330	unknown protein; protein id: At2g35330.1	0.173	0.05	NA	-0.227
A024647_01	At3g28860	multidrug resistance P-glycoprotein, putative; protei	1.215	1.196	1.198	1.596
A024648_01	At5g07370	protein id: At5g07370.1	-0.559	-0.593	-0.387	-0.262
A024649_01	At1g29670	lipase/hydrolase, putative; protein id: At1g29670.1	0.402	0.341	-0.031	0.223
A024650_01	At2g41560	potential calcium-transporting ATPase 4, plasma m	-0.002	0.089	-0.506	-1.204
A024651_01	At3g54110	uncoupling protein (ucp/PUMP); protein id: At3g541	0.645	0.486	0.295	0.228
A024652_01	At1g27450	adenine phosphoribosyltransferase 1, APRT; protei	0.886	0.646	0.685	1.259
A024653_01	At5g59700	receptor-like protein kinase precursor - like; protein	-0.77	NA	-0.922	-1.13
A024656_01	At4g32850	putative poly(A) polymerase; protein id: At4g32850.	-0.038	-0.513	-0.638	-0.947
A024657_01	At2g17360	putative ribosomal protein S4; protein id: At2g17360	0.674	0.421	0.354	0.84
A024658_01	At4g36860	putative protein; protein id: At4g36860.1	-0.107	-0.452	-0.623	-0.359
A024659_01	At3g10860	putative ubiquinol-cytochrome C reductase complex	0.12	NA	0.43	-0.11
A024661_01	At5g45710	heat shock transcription factor; protein id: At5g4571	-0.602	-0.821	-0.413	-0.71
A024663_01	At1g14370	protein kinase; protein id: At1g14370.1	-2.557	NA	-1.509	-2.655
A024664_01	At3g10450	putative glucose acyltransferase; protein id: At3g10.	-2.319	-2.194	-1.655	-1.622
A024665_01	At5g58800	quinone reductase family; protein id: At5g58800.1	-0.934	-1.039	-0.582	-0.871
A024666_01	At5g56170	putative protein; protein id: At5g56170.1	0.18	0.002	-0.016	-0.179
A024667_01	At3g05970	putative long-chain-fatty-acid--CoA ligase; protein id	-0.287	-0.536	-0.4	-0.687
A024669_01	At5g13430	ubiquinol--cytochrome-c reductase - like protein; prc	0.091	NA	0.156	0.079
A024670_01	At2g37220	chloroplast RNA-binding protein cp29, putative; prot	0.403	0.742	0.127	0.297
A024671_01	At3g13940	unknown protein; protein id: At3g13940.1	0.492	0.762	0.697	0.938
A024672_01	At4g24280	putative hsp 70 protein	0.353	0.248	-0.511	0.054
A024673_01	At3g59760	cysteine synthase; protein id: At3g59760.1	1.418	1.235	1.166	1.767
A024674_01	At5g28050	putative cytidine deaminase-like protein	-0.636	-0.763	-0.002	-0.057
A024675_01	At4g27780	putative acyl-CoA binding protein; protein id: At4g27	-0.346	-0.776	-0.089	-0.352
A024676_01	At4g04620	AtAPG8b; putative symbiosis-related protein; protei	-1.295	-1.368	-0.564	-1.119
A024677_01	At5g66190	ferredoxin-NADP+ reductase; protein id: At5g66190	-0.304	-0.263	-0.67	-0.667
A024678_01	At1g07360	RRM-containing RNA-binding protein, putative; prot NA		0.138	NA	-0.078
A024680_01	At5g54270	light-harvesting chlorophyll a/b binding protein, puta	0.037	-0.24	-0.094	-0.144
A024681_01	At2g23350	polyadenylate-binding protein (PABP), putative; proi	1.051	0.817	0.422	0.553
A024682_01	At5g40890	CLC-a chloride channel protein; protein id: At5g408	-1.217	-1.338	-1.639	-2.088
A024684_01	At4g28480	heat-shock protein; protein id: At4g28480.1	-0.387	-0.315	0.058	0.388
A024686_01	At3g60830	actin - like protein; protein id: At3g60830.1	0.538	NA	0.42	0.451
A024687_01	At1g52190	peptide transporter, putative; protein id: At1g52190.	0.795	0.612	0.448	0.581
A024689_01	At5g48160	putative protein; protein id: At5g48160.1	-0.833	-1.117	-1.036	-1.258
A024690_01	At5g38410	ribulose biphosphate carboxylase small chain 3b p	0.044	-0.376	0.001	-0.149
A024694_01	At3g51895	sulfate transporter ATST1; protein id: At3g51895.1	0.245	0.391	0.703	0.413
A024699_01	At1g05300	putative zinc transporter; protein id: At1g05300.1	NA	NA	NA	NA
A024718_01	At1g11480	expressed protein; protein id: At1g11480.1	-0.273	-0.603	NA	-0.815
A024719_01	At3g06440	expressed protein; protein id: At3g06440.1	0.303	NA	NA	0.353
A024720_01	At3g26920	F-box protein; protein id: At3g26920.1	-0.231	-0.007	-0.032	0.298
A024724_01	At5g60140	putative protein; protein id: At5g60140.1	0.808	0.616	0.874	1.209
A024725_01	At5g50150	putative protein; protein id: At5g50150.1	0.95	0.82	0.81	1.159
A024728_01	At5g05210	putative protein; protein id: At5g05210.1	0.34	-0.208	0.045	0.193
A024749_01	At5g62620	putative protein; protein id: At5g62620.1	-0.28	NA	NA	-0.224
A024778_01	At1g04510	putative pre-mRNA splicing factor PRP19; protein ic	0.47	0.245	0.321	0.16
A024780_01	At5g21010	hypothetical protein (fragment); protein id: At5g2101	-0.093	NA	-0.047	-0.369
A024783_01	At5g01220	putative protein; protein id: At5g01220.1	0.808	0.64	0.343	0.976
A024784_01	At3g56580	expressed protein; protein id: At3g56580.1	0.065	NA	0.283	0.186
A024785_01	At1g48610	regulatory protein HAL3B; protein id: At1g48610.1	1.385	1.387	1.022	1.782
A024786_01	At2g35520	defender against cell death protein; protein id: At2g:	0.787	0.722	0.569	0.273
A024788_01	At2g16350	expressed protein; protein id: At2g16350.1	-0.358	-0.182	-1.215	-0.594
A024789_01	xxxx	No hits found	-0.509	-0.256	-0.766	-0.242
A024790_01	At1g56280	expressed protein; protein id: At1g56280.1	-1.086	-1.574	-0.357	-0.092
A024791_01	At4g26520	fructose-bisphosphate aldolase; protein id: At4g265	0	0.292	-0.207	-0.237
A024794_01	At4g17950	putative protein; protein id: At4g17950.1	0.099	-0.252	0.147	0.056
A024795_01	At5g26751	shaggy-like kinase alpha; protein id: At5g26751.1	-0.454	NA	-0.143	0.04
A024822_01	At3g46520	A.t. DNA chromosome 3, BAC clone T23J7, actin 1:	-0.549	-0.565	-0.91	-1.13
A024841_01	At3g61220	putative protein; protein id: At3g61220.1	NA	NA	-1.014	-1.548
A024854_01	At3g59360	transporter-like protein; protein id: At3g59360.1	-0.081	NA	-0.398	-0.43
A024856_01	At1g52030	myosinase binding protein, putative; protein id: At1	1.928	1.609	1.57	2.111
A024862_01	At5g09690	putative protein; protein id: At5g09690.1	-0.887	-1.112	-0.416	-0.958
A024863_01	At5g56000	heat shock protein (emb)CAA72514.1); protein id: A	0.672	0.535	0.714	1.313
A024872_01	At4g18210	putative protein; protein id: At4g18210.1	NA	NA	NA	NA
A024873_01	At4g18220	putative protein; protein id: At4g18220.1	NA	NA	-0.913	-1.989
A024876_01	At4g17950	putative protein; protein id: At4g17950.1	0.431	-0.027	0.372	0.223
A024881_01	At4g35010	glycosyl hydrolase family 35 (beta-galactosidase); p	-0.329	-0.684	NA	NA
A024886_01	At4g30910	leucyl aminopeptidase - like protein; protein id: At4g	-0.343	0.027	0.106	-0.101

A024890_01	At4g23180	serine/threonine kinase -like protein; protein id: At4g23180.1	-1.048	NA	-1.166	NA	
A024913_01	At4g32390	putative protein; protein id: At4g32390.1	0.883		0.509	0.645	0.733
A024975_01	xxxx	b/t similar to receptor-like protein kinase precursor; protein id: At4g00710.1	0.293		0.305	NA	0.028
A024976_01	At4g00710	hypothetical protein; protein id: At4g00710.1	0.171	NA		0.578	0.847
A024978_01	At4g01560	expressed protein; protein id: At4g01560.1	0.667		0.617	0.712	0.843
A024993_01	At4g04910	putative component of vesicle-mediated transport; protein id: At4g04910.1	0.71		0.594	0.39	0.605
A025018_01	At4g15380	cytochrome p450 family; protein id: At4g15380.1	-0.639		-1.234	-0.38	-0.591
A025019_01	At4g16950	disease resistance protein, RPP5-like (TIR-NBS-LR class), putative; protein id: At4g16950.1		NA		-1.089	-1.216
A025036_01	At3g62740	glycosyl hydrolase family 1; protein id: At3g62740.1	-1.176	NA		-1.181	-1.262
A025053_01	At5g12950	putative protein; protein id: At5g12950.1		NA		NA	-1.048
A025058_01	At5g02490	DnaK-type molecular chaperone hsc70.1 - like; protein id: At5g02490.1	0.212		-0.058	0.756	0.845
A025060_01	At3g44300	nitrilase 2; protein id: At3g44300.1	-4.457		-5.03	-2.849	-4.055
A025061_01	At3g28100	unknown protein; protein id: At3g28100.1	-3.373		-3.396	-3.072	-2.955
A025074_01	At3g17410	putative protein kinase; protein id: At3g17410.1	-1.04		-0.682	-0.164	-0.801
A025076_01	At3g27380	succinate dehydrogenase iron-protein subunit, putative; protein id: At3g27380.1	0.08		-0.262	0.193	0.024
A025079_01	At3g24900	disease resistance protein family (LRR); protein id: At3g24900.1	-0.064	NA		NA	NA
A025085_01	At5g11230	putative protein; protein id: At5g11230.1	0.741		0.635	0.864	1
A025092_01	At3g20940	cytochrome P450, putative; protein id: At3g20940.1	-1.389		-0.973	NA	NA
A025101_01	At5g16340	AMP-binding protein; protein id: At5g16340.1	-0.721		-0.843	-0.358	-0.662
A025116_01	At3g20100	cytochrome p450 family; protein id: At3g20100.1		NA	-0.528	0.043	0.119
A025130_01	At5g37600	glutamate--ammonia ligase; protein id: At5g37600.1	-0.037		-0.487	-0.222	-0.187
A025131_01	At5g37710	putative calmodulin-binding heat-shock protein; protein id: At5g37710.1	-0.02		0.072	-0.088	0.006
A025148_01	At3g15980	putative coatomer complex subunit; protein id: At3g15980.1	0.886		0.669	NA	0.331
A025176_01	At3g13400	pectinesterase (pectin methylesterase) family; protein id: At3g13400.1	-0.434		-0.939	-0.702	-1.43
A025188_01	At5g66680	dolichyl-di-phosphooligosaccharide-protein glycotransferase; protein id: At5g66680.1	0.633		0.325	0.395	0.369
A025190_01	At5g38540	myosinase binding protein-like; similar to jasmonate-binding protein; protein id: At5g38540.1	1.977		1.548	1.39	1.916
A025206_01	At5g52560	unknown protein; protein id: At5g52560.1	-0.262		-0.745	-0.314	-0.135
A025211_01	At5g06640	putative protein; protein id: At5g06640.1	-1.123		-1.328	NA	NA
A025242_01	At5g17000	quinone oxidoreductase - like protein; protein id: At5g17000.1	0.036		-0.439	NA	-0.51
A025254_01	At1g32230	expressed protein; protein id: At1g32230.1	-0.638		-0.903	-0.696	-0.691
A025261_01	At1g65660	step II splicing factor, putative; protein id: At1g65660.1	0.102		-0.592	-0.38	-0.32
A025268_01	At1g08930	zinc finger protein ATZF1, putative; protein id: At1g08930.1	-1.456	NA		-1.993	-2.86
A025273_01	At5g19990	26S proteasome AAA-ATPase subunit RPT6a; protein id: At5g19990.1	0.202		0.284	0.314	0.753
A025274_01	At3g51430	strictosidine synthase-related; protein id: At3g51430.1	-1.78		-1.77	-0.698	-1.634
A025287_01	At1g62020	coatomer alpha subunit, putative; protein id: At1g62020.1	0.616		0.275	0.473	0.517
A025301_01	At2g29720	monooxygenase family; protein id: At2g29720.1	-0.314		-0.32	-0.267	-0.372
A025313_01	At1g76680	12-oxophytodienoate reductase (OPR1); protein id: At1g76680.1	-1.167		-1.301	NA	NA
A025335_01	At5g53000	PP2A regulatory subunit; protein id: At5g53000.1	-0.066		-0.081	NA	0.178
A025341_01	At1g27540	unknown protein; protein id: At1g27540.1	-0.13		-0.533	-0.047	0.149
A025351_01	At1g79950	hypothetical protein; protein id: At1g79950.1	0.426		0.356	NA	0.681
A025353_01	At1g53750	26S proteasome AAA-ATPase subunit RPT1a; protein id: At1g53750.1	-0.147		-0.253	-0.388	-0.252
A025368_01	At1g52030	myosinase binding protein, putative; protein id: At1g52030.1	2.083		1.22	1.437	2.536
A025372_01	At5g35450	disease resistance protein (CC-NBS-LRR class), putative; protein id: At5g35450.1	-1.339		-1.511	NA	-1.794
A025376_01	At2g47250	putative pre-mRNA splicing factor RNA helicase; protein id: At2g47250.1	0.3		0.075	0.13	0.422
A025393_01	At2g44560	glycosyl hydrolase family 9; protein id: At2g44560.1	-0.315		-0.41	NA	NA
A025394_01	not annotated	Chr4 C/8472579-8472648	-1.139		-1.256	-0.52	-0.633
A025397_01	At2g23010	putative serine carboxypeptidase I; protein id: At2g23010.1	1.736		1.192	0.721	1.268
A025403_01	At2g29340	putative tropinone reductase; protein id: At2g29340.1	-0.888		-0.764	-0.55	-0.412
A025406_01	At2g32530	putative cellulose synthase; protein id: At2g32530.1		NA		-2.057	NA
A025408_01	At2g22920	putative serine carboxypeptidase I; protein id: At2g22920.1	-0.524		-1.687	-2.162	-1.981
A025418_01	At2g29730	putative flavonol 3-O-glucosyltransferase; protein id: At2g29730.1	0.802		0.475	NA	0.372
A025456_01	At2g24360	putative protein kinase; protein id: At2g24360.1	-0.545	NA		-0.197	-0.513
A025462_01	At2g21250	mannose 6-phosphate reductase (NADPH-dependent); protein id: At2g21250.1	0.356		0.166	0.175	0.323
A025468_01	At2g35840	expressed protein; protein id: At2g35840.1	-0.61		-0.655	-0.253	-0.111
A025469_01	At2g35860	unknown protein; protein id: At2g35860.1	0.05		0.238	0.366	0.505
A025479_01	At2g42580	expressed protein; protein id: At2g42580.1	0.974	NA		0.192	0.304
A025487_01	At2g22240	putative myo-inositol 1-phosphate synthase; protein id: At2g22240.1	0.645		0.548	0.584	1.077
A025502_01	At1g64760	glycosyl hydrolase family 17; protein id: At1g64760.1	1.441		1.353	0.775	0.695
A025513_01	At1g63400	PPR-repeat protein; protein id: At1g63400.1	0.348		0.439	NA	0.167
A025519_01	At1g55930	unknown protein; protein id: At1g55930.1	0.083		0.236	NA	0.603
A025522_01	At1g17580	myosin, putative; protein id: At1g17580.1	-0.212		-0.584	-0.154	-0.188
A025542_01	At1g29310	flower pigmentation protein ATAN11; protein id: At1g29310.1	0.875		0.732	0.739	1.25
A025582_01	At1g61310	disease resistance protein (CC-NBS-LRR class), putative; protein id: At1g61310.1	-0.37	NA		NA	-0.794
A025585_01	At1g63370	flavin-binding monooxygenase, putative; protein id: At1g63370.1	-0.574	NA		NA	-0.966
A025587_01	At1g65660	step II splicing factor, putative; protein id: At1g65660.1	-0.218	NA		-1.006	-0.752
A025588_01	At1g28610	lipase, putative; protein id: At1g28610.1	-1.167		-1.536	-1.942	-2.354
A025590_01	xxxx	b/t polyprotein, putative; protein id: At1g42375.1	0.301		0.363	0.772	0.683
A025600_01	At1g08210	expressed protein; protein id: At1g08210.1	0.674		0.615	0.357	0.442

A025603_01	xxxx	b/t transcription factor IIA large subunit; protein id: A	-0.435	-0.24	-0.027	0.522
A025613_01	At1g73460	hypothetical protein; protein id: At1g73460.1	0.124	0.032	0.126	0.251
A025618_01	At5g25780	eukaryotic translation initiation factor 3b (eIF3b/PRT	0.654	0.399	-0.006	0.182
A025621_01	At1g10720	expressed protein; protein id: At1g10720.1	-0.217	NA	NA	-0.168
A025639_01	At1g31820	amino acid permease, putative; protein id: At1g318; NA	NA	NA	NA	NA
A025644_01	At1g56280	expressed protein; protein id: At1g56280.1	-1.089	-1.353	-0.573	-0.296
A025645_01	At3g11250	60S acidic ribosomal protein, putative; protein id: At	0.892	0.84	0.822	0.969
A025683_01	At1g68740	putative receptor protein; protein id: At1g68740.1	-0.704	-0.415	0.297	0.951
A025697_01	At3g01340	transport protein SEC13, putative; protein id: At3g0	-0.236	-0.19	-0.046	-0.087
A025712_01	At5g25100	putative multispanning membrane protein	0.518	NA	0.239	0.095
A025718_01	At4g31800	WRKY family transcription factor; protein id: At4g31	-0.63	NA	-0.32	-0.252
A025719_01	At4g34090	expressed protein; protein id: At4g34090.1	0.504	0.349	-0.212	-0.275
A025727_01	At4g37560	formamidase - like protein; protein id: At4g37560.1	-3.068	-2.936	-1.761	-1.158
A025728_01	At1g04900	expressed protein; protein id: At1g04900.1	1.187	NA	0.807	1.526
A025730_01	At5g18620	chromatin remodelling complex ATPase chain ISWI	0.873	0.648	NA	0.842
A025733_01	At1g60810	ATP citrate-lyase, putative; protein id: At1g60810.1	0.224	0.231	0.297	0.333
A025735_01	At1g60780	clathrin adaptor medium chain protein MU1B, putati	0.31	0.122	0.349	0.54
A025739_01	At1g73310	putative serine carboxypeptidase; protein id: At1g73	-2.207	-2.481	NA	-2.101
A025740_01	At1g73290	putative serine carboxypeptidase; protein id: At1g73	NA	NA	NA	NA
A025747_01	At1g51710	ubiquitin-specific protease 6 (UBP6), putative; prote	0.053	NA	-0.584	-0.349
A025758_01	At2g33600	putative cinnamoyl-CoA reductase; protein id: At2g3	1.015	0.746	0.294	0.118
A025759_01	At2g22980	putative serine carboxypeptidase I; protein id: At2g2	-1.322	NA	-2.258	-2.83
A025762_01	At1g23900	gamma-adaptin, putative; protein id: At1g23900.1	1.106	0.899	NA	0.7
A025765_01	At1g78850	glycoprotein(EP1), putative; protein id: At1g78850.1	NA	NA	NA	NA
A025767_01	At1g04430	ankyrin-like protein; protein id: At1g04430.1	-0.596	0.497	-0.456	0.032
A025768_01	At2g33590	putative cinnamoyl-CoA reductase; protein id: At2g3	-0.846	-1.279	-0.661	-1.304
A025769_01	At4g34030	putative protein; protein id: At4g34030.1	-0.824	-1.209	-1.196	-1.591
A025770_01	At3g14690	cytochrome P450, putative; protein id: At3g14690.1	-1.187	NA	-0.739	-0.987
A025772_01	At4g26530	fructose-bisphosphate aldolase - like protein; protei	-0.38	0.035	-1.101	-1.077
A025776_01	At5g39320	UDP-glucose dehydrogenase-like protein; protein	1.199	NA	0.302	0.997
A025777_01	At4g34030	putative protein; protein id: At4g34030.1	-1.011	NA	-1.268	-1.62
A025778_01	At5g07410	pectinesterase family; protein id: At5g07410.1	-0.408	NA	-0.442	-0.458
A025780_01	At3g13772	endomembrane protein 70, putative; protein id: At3g	-0.064	NA	-0.668	-0.565
A025785_01	At5g63680	pyruvate kinase; protein id: At5g63680.1	0.509	0.315	0.432	0.608
A025787_01	At3g05165	expressed protein; protein id: At3g05165.1	-1.098	-1.785	-1.357	-1.734
A025788_01	At3g14415	glycolate oxidase; protein id: At3g14415.1	-1.267	-1.402	-0.964	-0.987
A025795_01	At3g52180	putative protein; protein id: At3g52180.1	1.074	0.809	0.331	0.752
A025798_01	At1g12780	uridine diphosphate glucose epimerase; protein id: u	-1.884	-2.442	-1.59	-1.639
A025799_01	At2g45960	aquaporin (plasma membrane intrinsic protein 1B);	-0.674	-0.652	-0.04	0.332
A025803_01	At5g07340	calnexin homolog; protein id: At5g07340.1	0.861	0.488	0.746	0.715
A025804_01	At4g22350	putative protein; protein id: At4g22350.1	0.362	0.066	0.047	-0.028
A025807_01	At5g01220	putative protein; protein id: At5g01220.1	0.804	NA	0.24	1.189
A025814_01	At4g00430	probable plasma membrane intrinsic protein 1c; pro	0.052	-0.091	-0.004	-0.092
A025818_01	At3g57880	anthranilate phosphoribosyltransferase-like protein;	-0.592	-0.635	0.084	0.154
A025825_01	At5g48620	disease resistance protein (CC-NBS-LRR class), pu	NA	-1.431	NA	NA
A025827_01	At3g50820	photosystem II oxygen-evolving complex 33 (OEC3	-0.319	-0.539	-0.329	-0.814
A025828_01	At1g66970	unknown protein; protein id: At1g66970.1	NA	NA	-1.702	NA
A025844_01	At1g15910	transcriptional regulator, putative; protein id: At1g15	1.198	0.696	0.44	0.67
A025846_01	At2g46280	eukaryotic translation initiation factor 3 delta subuni	0.058	NA	0.232	0.453
A025847_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g07440.	-0.715	-0.852	-0.612	-1.324
A025849_01	At3g17820	glutamine synthetase, putative; protein id: At3g1782	0.123	NA	0.769	0.747
A025861_01	At1g04350	putative 1-aminocyclopropane-1-carboxylate oxidas	NA	NA	-1.148	-1.17
A025867_01	At5g42240	serine carboxypeptidase II-like; protein id: At5g4224	0.795	0.383	0.189	0.244
A025868_01	At5g17920	5-methyltetrahydropteroyltriglutamate--homocystein	0.453	0.115	0.247	0.668
A025869_01	At2g47030	pectinesterase family; protein id: At2g47030.1	-0.472	-0.679	-1.169	-1.09
A025870_01	At4g14960	tubulin alpha-6 chain (TUA6); protein id: At4g14960	0.76	0.448	0.318	0.666
A025872_01	At1g48600	phosphoethanolamine N-methyltransferase, putative	-0.574	0.486	-0.393	-0.327
A025873_01	At5g16970	quinone oxidoreductase -like protein; protein id: At5	NA	NA	-1.645	-2.045
A025874_01	At5g16990	quinone oxidoreductase - like protein; protein id: At5	NA	NA	NA	0.034
A025878_01	At3g15880	putative WD-repeat protein; protein id: At3g15880.1	-0.406	-0.511	0.304	0.256
A025887_01	At2g37180	aquaporin (plasma membrane intrinsic protein 2C);	0.064	-0.393	-0.702	-0.357
A025896_01	At3g46440	dTDP-glucose 4-6-dehydratases-like protein; protei	-0.107	0.053	-0.486	-0.324
A025899_01	At2g36460	putative fructose bisphosphate aldolase; protein id:	-0.171	0.233	0.021	0.054
A025900_01	At1g71890	putative sucrose transport protein; protein id: At1g7	0.555	0.926	0.574	0.705
A025901_01	At1g45000	26S proteasome regulatory particle triple-A ATPase	0.467	0.435	0.219	0.612
A025908_01	At3g28715	hypothetical protein; protein id: At3g28715.1	-0.004	-0.119	-0.217	0.091
A025909_01	At2g26740	epoxide hydrolase (ATsEH); protein id: At2g26740.1	-1.197	-1.015	-0.48	-1.083
A025910_01	At4g13930	hydroxymethyltransferase; protein id: At4g13930.1,	0.417	0.317	0.34	0.571

A025911_01	At4g23560	glycosyl hydrolase family 9; protein id: At4g23560.1	1.163	0.564	-0.471	-0.443
A025916_01	At1g02305	expressed protein; protein id: At1g02305.1	-0.283	-1.293	-1.133	-1.202
A025918_01	At1g25141	unknown protein; protein id: At1g25141.1	-0.341	-0.188	-0.023	-0.052
A025920_01	At5g09810	ACTIN 2/7 (sp|P53492); protein id: At5g09810.1	0.362	0.184	0.111	0.831
A025922_01	At4g27830	glycosyl hydrolase family 1; protein id: At4g27830.1	-0.727	-1.418	-0.84	-1.05
A025924_01	At4g30470	cinnamoyl-CoA reductase - like protein; protein id: A	-2.246	-2.151	-0.777	-1.483
A025929_01	At3g49120	peroxidase, putative; protein id: At3g49120.1	1.135	0.918	0.465	0.496
A025931_01	At2g41740	putative villin 2; protein id: At2g41740.1	NA	NA	-1.111	-0.522
A025937_01	At3g14650	cytochrome P450, putative; protein id: At3g14650.1	-0.497	-0.606	-0.396	-1.115
A025939_01	At5g56650	IAA-amino acid hydrolase homolog 1 precursor (sp|	0.077	-0.186	-0.127	0.49
A025941_01	At1g01620	plasma membrane intrinsic protein 1c, putative; pro	-0.403	-0.395	-0.031	-0.212
A025942_01	At3g52180	putative protein; protein id: At3g52180.1	0.841	0.647	0.259	0.656
A025944_01	At5g43060	cysteine protease component of nftase-inhibitor coi	-0.649	NA	NA	-0.5
A025947_01	At1g72900	disease resistance protein (TIR-NBS class), putativ	-1.739	NA	NA	-2.089
A025949_01	At3g14420	glycolate oxidase, putative; protein id: At3g14420.1	-0.97	-1.358	-0.635	-0.712
A025951_01	At1g67680	F12A21.17; protein id: At1g67680.1	0.621	0.61	0.243	0.786
A025956_01	At2g37170	aquaporin (plasma membrane intrinsic protein 2B);	-0.185	-0.252	-0.339	-0.789
A025957_01	At3g57290	translation initiation factor 3 -like protein; protein id:	-0.001	-0.004	-0.051	0.43
A025958_01	At1g50010	tubulin alpha-2/alpha-4 chain, putative; protein id: A	0.728	0.905	0.739	0.865
A025959_01	At4g01850	S-adenosylmethionine synthase 2; protein id: At4g0	-0.082	-0.205	-0.192	-0.38
A025961_01	At4g34180	putative protein; protein id: At4g34180.1	-1.184	-1.196	-0.877	-0.988
A025962_01	At1g20260	vacuolar H+-ATPase subunit B, putative; protein id:	0.281	-0.3	-0.609	-0.619
A025963_01	At1g07480	transcription factor IIA large subunit; protein id: At1g	-0.135	-0.224	0.024	-0.226
A025965_01	At1g17370	oligouridylate binding protein (UBP1), putative; prote	-0.373	NA	-0.433	-0.628
A025969_01	At3g09630	putative 60S ribosomal protein L1; protein id: At3g0	0.512	0.486	0.744	1.768
A025970_01	At5g08670	expressed protein; protein id: At5g08670.1	0.556	0.443	0.327	0.539
A025971_01	At1g08510	acyl-(acyl carrier protein) thioesterase, putative; pro	-0.573	-0.711	-0.576	-0.74
A025975_01	At2g47040	pectinesterase family; protein id: At2g47040.1	-0.39	NA	NA	-0.698
A025978_01	At1g12900	putative calcium-binding protein, calreticulin; proteir	0.099	NA	-0.184	-0.49
A025984_01	At1g20010	beta tubulin 1, putative; protein id: At1g20010.1	1.621	1.389	0.547	0.945
A025986_01	At1g32230	expressed protein; protein id: At1g32230.1	-0.458	-0.546	-0.426	-0.599
A025990_01	At5g56030	heat shock protein 81-2 (HSP81-2) (sp|P55737); pro	0.716	0.422	0.877	1.447
A025991_01	At4g14880	cytosolic O-acetylserine(thiol)lyase (EC 4.2.99.8); p	-0.518	-0.601	-0.223	0.313
A025992_01	At4g05320	polyubiquitin UBQ10/SEN3; protein id: At4g05320.1	-1.135	-1.68	-0.416	0.071
A025995_01	At2g01670	expressed protein; protein id: At2g01670.1	-1.072	NA	-0.715	-0.997
A025997_01	At3g26180	cytochrome p450 family; protein id: At3g26180.1	-1.72	NA	-0.983	-1.101
A025998_01	At1g02300	cathepsin B-like cysteine protease, putative; protein	-1.544	-1.795	-1.114	-1.394
A026002_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g07440.	-0.651	-0.77	-0.657	-1.163
A026004_01	At5g48620	disease resistance protein (CC-NBS-LRR class), pu	-1.388	-1.634	-1.51	-1.842
A026013_01	At1g20540	hypothetical protein; protein id: At1g20540.1	0.792	0.537	0.328	0.605
A026014_01	At1g12430	armadillo-repeat-containing kinesin-related protein;	-0.081	-0.163	-0.017	-0.086
A026015_01	At1g48410	leaf development protein Argonaute; protein id: At1g	0.424	-0.002	0.194	0.431
A026017_01	At1g24793	F5A9.18; protein id: At1g24793.1	-0.172	-0.161	-0.184	-0.005
A026024_01	At5g43660	putative protein; protein id: At5g43660.1	-0.003	0.011	0.177	0.514
A026026_01	At1g69940	pectinesterase family; protein id: At1g69940.1	NA	NA	-0.554	-0.427
A026043_01	At5g20620	polyubiquitin (UBQ4); protein id: At5g20620.1	-0.527	-0.723	-0.282	-0.064
A026057_01	At3g44670	disease resistance protein RPP1-Ws(A,C)-like (TIR	-0.413	-0.678	-0.305	-0.537
A026062_01	At3g12560	myb-family transcription factor, putative; protein id: ,	0.243	-0.291	NA	0.213
A026078_01	At3g23280	auxin-regulated protein; protein id: At3g23280.1	-0.259	-0.88	-0.28	-0.237
A026081_01	At4g37550	formamidase - like protein; protein id: At4g37550.1	-0.171	-0.596	-0.395	-0.116
A026082_01	At3g03270	expressed protein; protein id: At3g03270.1	-1.001	-1.399	-0.853	-0.971
A026083_01	At5g18065	hypothetical protein; protein id: At5g18065.1	-0.321	-0.213	-0.095	0.084
A026086_01	At1g67840	F12A21.3; protein id: At1g67840.1	-0.236	NA	-0.754	-0.784
A026087_01	At1g02850	glycosyl hydrolase family 1; protein id: At1g02850.1	-0.806	-0.906	-0.386	0.036
A026089_01	At2g37660	expressed protein; protein id: At2g37660.1	1.279	0.93	0.497	0.557
A000178_01	At1g12520	copper/zinc superoxide dismutase copper chaperon	0.621	0.742	0.76	1.06
A000194_01	At1g50380	expressed protein; protein id: At1g50380.1	0.086	0.21	NA	0.277
A000195_01	At1g79160	hypothetical protein; protein id: At1g79160.1	-0.641	-0.495	NA	-0.205
A000463_01	At1g66330	expressed protein; protein id: At1g66330.1	-0.497	NA	-0.648	-0.301
A000605_01	At1g61350	expressed protein; protein id: At1g61350.1	0.167	0.501	0.256	0.458
A000683_01	At1g77720	putative protein kinase; protein id: At1g77720.1	0.89	NA	NA	NA
A000724_01	At1g28090	hypothetical protein; protein id: At1g28090.1	0.309	0.721	NA	0.348
A000790_01	At1g68600	expressed protein; protein id: At1g68600.1	-1.496	-1.102	-1.271	-0.619
A000902_01	At1g58200	unknown protein; protein id: At1g58200.1	-0.363	-0.551	-0.985	-0.877
A000979_01	At1g54920	expressed protein; protein id: At1g54920.1	-0.565	-0.108	-0.649	-0.164
A001111_01	At1g27900	ATP-dependent RNA helicase, putative; protein id: ,	-0.31	NA	NA	0.043
A001151_01	At1g29700	expressed protein; protein id: At1g29700.1	-0.714	NA	-0.912	-1.004
A001316_01	At1g76550	putative pyrophosphate-dependent phosphofructoki	0.148	0.542	0.411	0.503

A001383_01	At1g16970	expressed protein; protein id: At1g16970.1	0.381	0.4	0.396	0.778
A001433_01	At1g61180	disease resistance protein (CC-NBS-LRR class), pu	-0.236	-0.237	NA	0.051
A001509_01	At1g32180	cellulose synthase catalytic subunit, putative; protei	-0.419	NA	NA	
A001594_01	At1g58470	RRM-containing RNA-binding protein, putative; prot	-0.635	NA		0.172
A001600_01	At1g31940	expressed protein; protein id: At1g31940.1	-1.096	-0.901	-0.282	-0.746
A001888_01	At1g51630	unknown protein; protein id: At1g51630.1	0.584	0.686	NA	0.843
A002042_01	At1g49410	expressed protein; protein id: At1g49410.1	0.712	0.771	0.762	0.322
A002060_01	At1g50900	expressed protein; protein id: At1g50900.1	0.174	0.326	0.363	-0.005
A002084_01	At1g01470	hypothetical protein; protein id: At1g01470.1	-2.514	NA	NA	
A002107_01	At1g11360	expressed protein; protein id: At1g11360.1	0.144	NA	NA	-0.267
A002404_01	At1g28280	expressed protein; protein id: At1g28280.1	-0.809	NA	NA	-1.047
A002434_01	At1g49590	unknown protein; protein id: At1g49590.1	-0.596	NA	-0.049	0.019
A002621_01	At1g76280	hypothetical protein; protein id: At1g76280.1	-0.031	NA		0.196
A002778_01	At1g31230	putative aspartate kinase-homoserine dehydrogena	0.156	-0.019	NA	0.195
A002947_01	At1g30330	auxin response transcription factor (ARF6); protein i	0.148	0.315	0.499	0.927
A003123_01	At1g19170	polygalacturonase, putative; protein id: At1g19170.1	-0.112	NA	-0.13	0.392
A003140_01	At1g56260	hypothetical protein; protein id: At1g56260.1	-0.827	NA		-1.198
A003218_01	At1g13820	unknown protein; protein id: At1g13820.1	-0.029	NA	-0.279	-0.202
A003526_01	At1g69610	unknown protein; protein id: At1g69610.1	-2.535	NA	NA	
A003659_01	At1g62640	3-ketoacyl-acyl carrier protein synthase III (KAS III);	0.481	NA	0.626	1.012
A003766_01	At1g31720	hypothetical protein; protein id: At1g31720.1	-0.781	NA	NA	
A003859_01	At1g11850	expressed protein; protein id: At1g11850.1	0.653	0.833	1.002	0.968
A004129_01	At1g33475	similar to RRM-containing protein; protein id: At1g33	0.712	1.025	0.639	1.251
A004135_01	At1g24510	T-complex chaperonin protein , epsilon subunit; pro	-0.12	0.052	-0.127	0.496
A004159_01	At1g19360	expressed protein; protein id: At1g19360.1	0.288	0.281	-0.437	0.174
A004334_01	At1g68470	exostosin family; protein id: At1g68470.1	-0.385	NA	-0.56	-0.121
A004387_01	At1g60440	pantothenate kinase, putative; protein id: At1g60440	-0.478	NA		0.031
A004423_01	At1g51610	expressed protein; protein id: At1g51610.1	0.318	0.134	-0.237	0.031
A004572_01	At1g11580	pectin methylesterase, putative; protein id: At1g115	-0.536	NA	-0.917	-1.098
A004660_01	At1g11440	similar to serine/threonine protein kinase embjCAA6	-0.045	NA	-0.03	-0.176
A004672_01	At1g01430	hypothetical protein; protein id: At1g01430.1	-0.591	-0.385	-0.279	-0.154
A004702_01	At1g07750	globulin-like protein; protein id: At1g07750.1	-0.572	NA	0.364	0.445
A004773_01	At1g60230	expressed protein; protein id: At1g60230.1	0.395	0.344	NA	0.486
A005189_01	At1g76405	auxin-regulated protein; protein id: At1g76405.2	1.165	1.143	0.816	0.625
A005374_01	At5g10010	hypothetical protein; protein id: At5g10010.1	0.692	0.776	NA	0.696
A005392_01	At1g17950	myb family transcription factor; protein id: At1g17950	-3.387	NA	NA	
A005515_01	At1g22970	unknown protein; protein id: At1g22970.1	-0.012	0.331	0.18	0.429
A005561_01	At5g18900	putative protein; protein id: At5g18900.1	-0.593	NA	-0.058	-0.009
A005682_01	At1g53030	cytochrome C oxidase assembly protein, putative; p	-0.874	NA	-0.491	-1.125
A005848_01	At2g24765	ADP-ribosylation factor 3; protein id: At2g24765.1	0.421	NA	0.498	0.416
A006047_01	At2g16630	unknown protein; protein id: At2g16630.1	0.464	NA		0.068
A006139_01	At2g25840	putative tryptophanyl-tRNA synthetase; protein id: At	0.655	NA	0.38	0.693
A006166_01	At2g46650	putative cytochrome b5; protein id: At2g46650.1	-2.113	NA	-0.697	-1.904
A006192_01	At2g01260	predicted by genscan and genefinder; protein id: At	-0.796	NA		-0.244
A006198_01	At2g35440	unknown protein; protein id: At2g35440.1	0.553	0.253	0.307	0.751
A006299_01	At2g35060	putative potassium transporter; protein id: At2g3506	-0.785	NA	-0.877	-1.148
A006359_01	At2g36330	hypothetical protein; protein id: At2g36330.1	-0.668	NA		-0.794
A006535_01	At2g28230	unknown protein; protein id: At2g28230.1	0.018	NA		-0.09
A006561_01	At2g07700	putative retroelement pol polyprotein; protein id: At2	-0.45	NA	NA	
A006584_01	At2g07330	mutator-like transposase; protein id: At2g07330.1	-1.454	NA	NA	-0.33
A006587_01	At2g03740	putative cold-regulated protein; protein id: At2g0374	-0.361	NA	NA	
A006588_01	At2g03560	F-box protein family, AtFBX7; protein id: At2g03560	-0.487	NA		-0.236
A006590_01	At2g04940	expressed protein; protein id: At2g04940.1	-0.327	NA	0.132	0.038
A006602_01	At2g07340	expressed protein; protein id: At2g07340.1	0.145	0.237	0.434	-0.051
A006638_01	At2g31350	glyoxalase II, putative (hydroxyacylglutathione hydr	-1.196	NA	-0.818	-0.465
A006655_01	At2g18850	unknown protein; protein id: At2g18850.1	0.223	0.299	0.432	1.008
A006661_01	At2g16890	putative glucosyltransferase; protein id: At2g16890.	-0.806	NA		-0.373
A006741_01	At2g46780	RRM-containing protein; protein id: At2g46780.1	-0.315	NA		-0.268
A006970_01	At2g19870	hypothetical protein; protein id: At2g19870.1	0.345	-0.12	-0.038	-0.289
A007125_01	At2g22370	expressed protein; protein id: At2g22370.1	-0.112	0.653	0.126	0.56
A007270_01	At2g27450	putative nitrilase; protein id: At2g27450.1	-0.034	-0.101	-0.112	-0.164
A007326_01	At2g07050	cycloartenol synthase ((S)-2,3-epoxysqualene muta	0.194	0.322	0.167	0.58
A007344_01	At2g17350	expressed protein; protein id: At2g17350.1	-0.525	NA	-0.093	-0.854
A007439_01	At2g45370	hypothetical protein; protein id: At2g45370.1	-0.896	-0.582	NA	-0.07
A007540_01	At2g28760	putative nucleotide-sugar dehydratase; protein id: A	0.167	NA	-0.124	0.324
A007611_01	At2g32850	putative serine threonine protein kinase; protein id: ,	0.15	NA		-0.138
A007679_01	At2g03720	unknown protein; protein id: At2g03720.1	-0.825	0.517	NA	0.054
A007700_01	At2g39500	expressed protein; protein id: At2g39500.1	0.198	0.828	0.682	-0.066

A007742_01	At2g35760	snoRNA gene; protein id: At2g35760.1	0.049	-0.101	0.548	0.595
A007802_01	At2g13720	unknown protein; protein id: At2g13720.1	-0.313 NA	NA	NA	
A007819_01	At2g28130	hypothetical protein; protein id: At2g28130.1	-0.864	-0.673	-0.623	-0.219
A007828_01	At2g28120	nodulin-like protein; protein id: At2g28120.1	0.124	0.866	-0.214	-1.228
A007839_01	At2g43270	putative myb-related transcription factor; protein id:	0.906	1.299	0.598	0.233
A007867_01	At2g36900	Golgi SNARE protein, putative; protein id: At2g36900	-0.413	-0.567	-0.264	-0.478
A007882_01	At2g33280	hypothetical protein; protein id: At2g33280.1	0.209	0.344 NA		0.367
A007997_01	At2g24590	putative RSZp22 splicing factor; protein id: At2g245	0.445	0.587	0.506	0.345
A008030_01	At2g35500	expressed protein; protein id: At2g35500.1	0.358 NA		0.004	0.18
A008034_01	At2g35400	unknown protein; protein id: At2g35400.1	-0.314 NA	NA		-0.589
A008278_01	At2g14690	glycosyl hydrolase family 10; protein id: At2g14690.	-0.184 NA	NA		-0.222
A008284_01	At2g29670	expressed protein; protein id: At2g29670.1	-0.197	0.116 NA		-1.012
A008609_01	At2g33290	similar to mammalian MHC III region protein G9a; p	0.422	0.653 NA		0.621
A008620_01	At2g17880	putative DnaJ protein; protein id: At2g17880.1	0.943	0.891 NA		0.938
A008712_01	At2g31945	expressed protein; protein id: At2g31945.1	-3.463 NA		-1.349 NA	
A008935_01	At3g05910	pectinacetyltransferase, putative; protein id: At3g05910	0.192	0.2	-0.017	0.437
A009025_01	At3g55990	putative protein; protein id: At3g55990.1	-1.061	-1.543 NA		-0.958
A009197_01	xxxx	b/t phosphoribosylformylglycinamide cyclo-ligase	0.04	-0.189 NA		0.094
A009232_01	At3g62370	putative protein; protein id: At3g62370.1	0.378	0.864	0.269	0.205
A009254_01	At3g44380	putative protein; protein id: At3g44380.1	0.125	0.449	0.588	0.583
A009259_01	At3g44450	putative protein; protein id: At3g44450.1	-1.75	-1.927 NA		NA
A009332_01	At3g18660	expressed protein; protein id: At3g18660.1	-1.996	-2.492 NA		NA
A009654_01	At3g13110	serine acetyltransferase (Sat-1); protein id: At3g131	-0.505 NA		-0.002	-0.07
A009749_01	At3g13490	lysyl-tRNA synthetase, putative; protein id: At3g134	-0.001	0.071	0.025	-0.047
A009945_01	At3g09570	unknown protein; protein id: At3g09570.1	-0.285 NA		-0.112	-0.253
A010046_01	At3g42630	putative protein; protein id: At3g42630.1	0.1	-0.119	-0.243	0.365
A010070_01	At3g56430	putative protein; protein id: At3g56430.1	0.731	0.704	0.426	0.649
A010280_01	At3g54540	ABC transporter family protein; protein id: At3g5454	-0.196 NA	NA		-0.737
A010408_01	At3g11540	spindly (gibberellin signal transduction protein); prot	-0.104 NA	NA		-0.436
A010432_01	At3g05070	expressed protein; protein id: At3g05070.1	0.236	0.367	0.465	-0.161
A010479_01	At3g01810	hypothetical protein; protein id: At3g01810.1	0.87	0.462	0.224	0.205
A010550_01	At3g58460	putative protein; protein id: At3g58460.1	0.178 NA		-0.097	-0.1
A010630_01	At3g12060	hypothetical protein; protein id: At3g12060.1	0.679	0.545 NA		0.344
A010702_01	At3g16050	putative ethylene-inducible protein; protein id: At3g1	1.157	1.209	0.865	1.321
A010770_01	At3g10420	expressed protein; protein id: At3g10420.1	-1.103 NA		-0.984	-0.575
A010800_01	At3g20320	expressed protein; protein id: At3g20320.1	0.21	0.202	0.032	0.646
A010889_01	At3g46980	putative protein; protein id: At3g46980.1	0.065 NA		-0.146	-0.219
A010924_01	At3g06730	thioredoxin, putative; protein id: At3g06730.1	0.506 NA		0.541	0.406
A010967_01	At3g62960	glutaredoxin -like protein; protein id: At3g62960.1	-3.263 NA	NA		NA
A010984_01	At3g44020	thylakoid lumenal P17.1 protein; protein id: At3g440	-0.708 NA		-0.062	-0.447
A010986_01	At3g58680	transcriptional coactivator - like protein; protein id: A	-0.491	-0.511	-0.189	0.077
A011239_01	At3g43520	expressed protein; protein id: At3g43520.1	0.503	0.408	0.425	0.318
A011702_01	At3g21240	putative 4-coumarate:CoA ligase 2; protein id: At3g;	-1.674 NA	NA		NA
A011934_01	At3g62450	putative protein; protein id: At3g62450.1	0.156 NA		0.245	-0.33
A011958_01	At3g06170	hypothetical protein; protein id: At3g06170.1	-0.92 NA		-0.527	-0.589
A012029_01	At3g02570	putative mannose-6-phosphate isomerase; protein i	0.767	0.506	0.378	0.538
A012053_01	At3g14940	phosphoenolpyruvate carboxylase (PPC); protein id	-0.204	-0.19 NA		0.207
A012261_01	At3g45040	putative protein; protein id: At3g45040.1	-0.548 NA	NA		-0.308
A012345_01	At3g12350	F-box protein family; protein id: At3g12350.1	-0.386 NA	NA		-0.104
A012409_01	At3g59380	farnesyltransferase alpha subunit (FTA)(protein farn	-0.496 NA	NA		-0.071
A012427_01	At3g29670	anthocyanin 5-aromatic acyltransferase, putative; pi	0.23	0.395	0.03	-0.166
A012433_01	At3g48300	similar to cytochrome P450-like protein; protein id: /	-0.431 NA	NA		0.092
A012676_01	At3g43720	lipid-transfer protein-like protein; protein id: At3g437	0.583	0.497	0.483	0.543
A012743_01	At3g63080	glutathione peroxidase, putative; protein id: At3g630	-0.633 NA	NA		NA
A013121_01	At4g33080	putative protein kinase; protein id: At4g33080.1	-0.359 NA	NA		-0.4
A013400_01	not annotated	Chr4 W/8220487-8220552	-0.378 NA		-0.29	-1.04
A013826_01	At4g32440	putative protein; protein id: At4g32440.1	-0.886	-0.802	-0.511	-0.603
A014261_01	At4g36810	geranylgeranyl pyrophosphate synthase (GGPS1)(fi	-0.228 NA		0.07	-0.29
A014327_01	At4g25390	receptor kinase-like protein; protein id: At4g25390.1	-1.437 NA	NA		-2.461
A014482_01	At4g02030	hypothetical protein; protein id: At4g02030.1	0.253 NA	NA		0.227
A015221_01	At4g23620	putative protein; protein id: At4g23620.1	0.513 NA		0.638	0.613
A015419_01	At4g01900	P II nitrogen sensing protein GLB I; protein id: At4g	1.303	1.134	1.092	1.27
A015597_01	At5g22750	putative protein; protein id: At5g22750.1	0.827	1.06	0.859	0.641
A015680_01	At5g16510	amylogenin; reversibly glycosylatable polypeptide; p	0.7	0.726	0.639	0.434
A015726_01	At5g65450	putative protein; protein id: At5g65450.1	-0.035	0.227 NA		-0.047
A015821_01	At5g13890	putative protein; protein id: At5g13890.1	-0.212 NA	NA		-0.389
A015829_01	At5g06240	unknown protein; protein id: At5g06240.1	0.18	0.304	0.384	0.22
A016078_01	At5g54180	putative protein; protein id: At5g54180.1	0.551	0.56	0.161	0.282

A016171_01	At5g62150	putative protein; protein id: At5g62150.1	-1.957 NA	NA	NA	
A016256_01	At5g47240	mutT domain protein-like; protein id: At5g47240.1	0.757	0.953	0.32	0.137
A016280_01	At5g39990	N-acetylglucosaminyltransferase family (Core-2/I-Br	0.499	0.134 NA		0.543
A016737_01	At5g11630	putative protein; protein id: At5g11630.1	0.339	0.819	0.695	0.803
A016743_01	At5g57440	GS1-like protein; protein id: At5g57440.1	1.228	1.021	0.502	0.884
A016766_01	At5g14510	putative protein; protein id: At5g14510.1	-0.666	-1.138 NA		NA
A016874_01	At5g11790	putative protein; protein id: At5g11790.1	0.178 NA		-0.103	0.003
A016906_01	At5g40420	oleosin; protein id: At5g40420.1	-0.911 NA		-1.5	-2.404
A016921_01	At5g03560	putative protein; protein id: At5g03560.1	-1.133 NA		-0.879	-1.148
A016963_01	At5g05140	putative protein; protein id: At5g05140.1	-0.657 NA	NA		-0.931
A017319_01	At5g35970	DNA helicase-like; protein id: At5g35970.1	-1.533	-1.608	-1.413	-2.767
A017543_01	At5g11580	putative protein; protein id: At5g11580.1	-0.016 NA	NA		-0.412
A017592_01	At5g16140	CRS2-like protein; protein id: At5g16140.1	0.597	0.361	0.001	0.011
A017615_01	At5g35735	expressed protein; protein id: At5g35735.1	0.09 NA	NA		-1.236
A017639_01	At5g57850	branched-chain amino acid aminotransferase-like pi	0.967	1.077	0.346	0.263
A017675_01	At5g42060	putative protein; protein id: At5g42060.1	0.51	0.814	0.979	0.934
A017696_01	At5g58787	expressed protein; protein id: At5g58787.1	-0.818 NA	NA		-1.615
A017708_01	At5g50830	unknown protein; protein id: At5g50830.1	-0.388 NA	NA		NA
A018180_01	At5g02050	putative protein; protein id: At5g02050.1	1.508	1.468	1.291	1.48
A018346_01	At5g55810	putative protein; protein id: At5g55810.1	-0.213 NA		0.001	-0.071
A018376_01	At5g61500	AtAPG3; autophagocytosis protein - like; protein id:	-0.548 NA		-0.269	-0.205
A018459_01	At5g56240	unknown protein; protein id: At5g56240.1	-0.778 NA	NA		-0.262
A018525_01	At5g06430	putative protein; protein id: At5g06430.	0.04	0.041 NA		0.348
A018642_01	At5g57870	putative eukaryotic initiation factor eIF4	0.623	0.64	0.362	-0.002
A018791_01	At5g60420	putative protein; protein id: At5g60420.1	0.563	0.414	0.19	-0.066
A018839_01	At5g65290	unknown protein; protein id: At5g65290.1	-0.219	-0.291 NA		-0.171
A019083_01	At5g46420	putative protein; protein id: At5g46420.1	0.29	0.222	-0.172	0.186
A019129_01	At5g08710	similar to UVB-resistance protein UVR8 (gb|AAD43:	0.402	0.234	0.316	-0.075
A019148_01	At5g15860	carboxylesterase-like protein; protein id: At5g15860	-1.281 NA		-1.086	-1.37
A019207_01	At5g05710	AtPH1-like protein; protein id: At5g05710.1	-0.881 NA	NA		NA
A019260_01	At5g12890	glucosyltransferase-like protein; protein id: At5g128	-0.4	-0.339 NA		-0.386
A019316_01	At5g11730	putative protein; protein id: At5g11730.1	-0.219 NA	NA		-0.111
A019339_01	At5g63050	unknown protein; protein id: At5g63050.1	0.405	0.458 NA		0.47
A019441_01	At3g29160	Snf1-related protein kinase KIN11 (AKIN11); protei	-0.265	-0.318	-0.226	0.324
A019481_01	At3g51140	putative protein; protein id: At3g51140.1	0.436 NA		0.217	0.261
A019507_01	At4g28530	NAM / CUC2 -like protein; protein id: At4g28530.1	-1.773 NA	NA		NA
A019546_01	At4g24960	abscisic acid-induced - like protein; protein id: At4g:	0.321	0.337	0.606	0.421
A019605_01	At3g60620	phosphatidate cytidyltransferase - like protein; pro	0.118	0.395	0.172	0.61
A019623_01	At4g36990	heat shock transcription factor HSF4; protein id: At4	-0.48	-0.551	-0.356	-0.714
A019735_01	At5g62070	putative protein; protein id: At5g62070.1	0.794	0.762	0.505	0.474
A019790_01	At1g16400	cytochrome p450 family; protein id: At1g16400.1	-2.944 NA	NA		NA
A019856_01	At2g47880	putative glutaredoxin; protein id: At2g47880.1	-3.384 NA	NA		NA
A019860_01	At2g27820	putative chorismate mutase/prephenate dehydratas	0.516	0.722	0.598	0.241
A019961_01	At1g78200	protein phosphatase 2C (PP2C); protein id: At1g78:	-0.764	-1.179	-0.544	-0.593
A020003_01	At3g10730	expressed protein; protein id: At3g10730.1	0.32	0.211 NA		-0.195
A020052_01	At4g16985	expressed protein; protein id: At4g16985.1	0.469	0.891	0.538	0.341
A020094_01	At5g19440	cinnamyl-alcohol dehydrogenase - like protein; prote	-0.236 NA	NA		-0.014
A020163_01	At3g03210	unknown protein; protein id: At3g03210.1	-0.636 NA	NA		NA
A020252_01	At4g29950	putative protein; protein id: At4g29950.1	-0.759 NA	NA		-0.516
A020391_01	At4g32570	putative protein; protein id: At4g32570.1	0.775	0.952	0.794	1.076
A020483_01	xxxx	b/t putative protein; protein id: At5g14260.1 and kin:	-0.096 NA	NA		NA
A020662_01	At3g13360	expressed protein; protein id: At3g13360.1	-0.123 NA	NA		-0.806
A020698_01	At1g73500	MAP kinase, putative; protein id: At1g73500.1	-1.312	-1.124	-0.674	-1.012
A020745_01	At5g41990	MAP kinase; protein id: At5g41990.1	-0.254	-0.574 NA		-0.123
A020865_01	At4g18780	cellulose synthase - like protein; protein id: At4g187	-1.471 NA		-1.105 NA	
A020875_01	At1g19240	expressed protein; protein id: At1g19240.1	0.073	0.485 NA		NA
A020877_01	At5g03170	fasciclin-like arabinogalactan-protein (FLA11); prote	-1.6	-1.667	-0.838	-1.911
A020895_01	At5g05470	eukaryotic translation initiation factor 2 alpha subun	0.273	0.464 NA		NA
A020989_01	At5g66040	senescence-associated protein; protein id: At5g660	-0.777 NA	NA		-0.644
A021075_01	At5g56020	putative protein; protein id: At5g56020.1	-0.046 NA	NA		-0.82
A021101_01	At2g03350	expressed protein; protein id: At2g03350.1	0.46	0.411	0.314	-0.224
A021199_01	At3g24420	unknown protein; protein id: At3g24420.1	-0.682	-1.028	-1.445	-2.149
A021203_01	At3g23400	expressed protein; protein id: At3g23400.1	-0.296	-0.351 NA		-0.513
A021404_01	At3g30415	pseudogene, putative uroporphyrin III methylase; p	0.018 NA		-0.159	-0.238
A021457_01	At3g19740	ATPase, putative; protein id: At3g19740.1	0.099	-0.064 NA		0.187
A021598_01	At2g35240	unknown protein; protein id: At2g35240.1	0.296 NA		0.518	0.147
A021618_01	At2g02130	plant defensin protein, putative (PDF2.3); protein id:	1.059	0.993	0.343	0.085
A021825_01	At5g66230	putative protein; protein id: At5g66230.1	1.475	1.596	1.395	1.93

A021855_01	At5g17060	ADP-ribosylation factor-like protein; protein id: At5g	-0.324	-0.618	-0.101	-0.239
A022122_01	At5g46240	potassium channel protein KAT1 (pir|S32816); prot	-1.399 NA	NA	NA	
A022228_01	At3g50340	putative protein; protein id: At3g50340.1	-0.011 NA		-0.024	-0.408
A022508_01	At4g24330	unknown protein; protein id: At4g24330	0.478	0.353	0.307	0.545
A022526_01	At3g46740	chloroplast import-associated channel protein homc	0.933	0.832	0.298	0.526
A022621_01	At4g17160	GTP-binding protein, putative; protein id: At4g17160	0.272 NA		-0.111	-0.164
A022710_01	At3g29595	pseudogene, hypothetical protein; protein id: At3g29	-0.194	-0.547	-0.464	-0.996
A022924_01	At5g39850	40S ribosomal protein S9-like; protein id: At5g39850	-0.402 NA		0.568	0.483
A023591_01	At2g16430	putative purple acid phosphatase precursor; protein	-0.118 NA	NA	NA	
A023758_01	At1g20510	expressed protein; protein id: At1g20510.1	-0.365	-0.061	-0.304	0.251
A023785_01	At1g06200	hypothetical protein; protein id: At1g06200.1	-0.017	-0.042	-0.287	-0.764
A023963_01	At3g11270	26S proteasome regulatory subunit S12 (RPN8), pu	0.479 NA	NA		0.882
A024087_01	At3g06940	putative mudrA protein; protein id: At3g06940.1	-0.165	-0.315 NA		0.124
A024254_01	At2g41770	expressed protein; protein id: At2g41770.1	0.405	0.18 NA		0.436
A024432_01	At1g13650	unknown protein; protein id: At1g13650.1	-0.855 NA		-2.261	-3.89
A024688_01	At2g45660	MADS-box protein (AGL20); protein id: At2g45660.1	-0.982 NA	NA	NA	
A024828_01	At3g51450	strictosidine synthase-related; protein id: At3g51450	0.366 NA	NA		0.112
A024871_01	At5g65770	nuclear matrix constituent protein 1 (NMCP1)-like; p	-0.306	-0.949 NA		-0.741
A025304_01	At1g04430	ankyrin-like protein; protein id: At1g04430.1	0.813 NA	NA		-0.05
A025505_01	At1g64940	cytochrome p450, putative; protein id: At1g64940.1	-0.053 NA	NA		-0.65
A025631_01	At1g12640	unknown protein; protein id: At1g12640.1	-1.317 NA		-0.752	-0.875
A025649_01	At3g12560	myb-family transcription factor, putative; protein id: .	0.343	-0.186 NA		0.189
A025888_01	At2g04170	unknown protein; protein id: At2g04170.1	0.259	0.196 NA		0.34
A025917_01	At5g66680	dolichyl-di-phosphooligosaccharide-protein glycotra	-0.034	0.017	0.066	-0.138
A025993_01	At5g55990	calcineurin B-like protein 2 (gb|AAC26009.1)	-0.047	-0.565	-0.674	-0.838
A000832_01	At1g80020	hypothetical protein; protein id: At1g80020.1	NA	NA	NA	NA
A000983_01	At1g28470	NAM protein, putative; protein id: At1g28470.1	NA	NA	NA	NA
A001323_01	At1g53620	hypothetical protein; protein id: At1g53620.1	NA	0.084 NA	NA	NA
A001615_01	At1g24100	UDP-glycosyltransferase family; protein id: At1g241	NA	NA	-0.693	-1.448
A002100_01	At1g73330	Dr4(protease inhibitor); protein id: At1g73330.1	NA	NA	NA	NA
A002428_01	At1g34060	expressed protein; protein id: At1g34060.1	NA	NA	NA	NA
A002959_01	At1g72940	disease resistance protein (TIR-NBS class), putativ	NA	NA	NA	NA
A003384_01	At1g71140	hypothetical protein; protein id: At1g71140.1	NA	NA	NA	NA
A003432_01	At1g72220	RING-H2 zinc finger protein ATL3, putative; protein	NA	NA	NA	NA
A003906_01	At1g03850	expressed protein; protein id: At1g03850.1	NA	NA	NA	NA
A004158_01	At1g10700	phosphoribosyl diphosphate synthase; protein id: At	NA	NA	NA	-0.2
A005016_01	At4g02075	expressed protein; protein id: At4g02075.1	NA	NA	NA	NA
A006218_01	At2g15020	hypothetical protein; protein id: At2g15020.1	NA	NA	NA	NA
A006571_01	At2g15320	leucine rich repeat protein family; protein id: At2g15	NA	NA	NA	-0.221
A007664_01	At2g41610	hypothetical protein; protein id: At2g41610.1	NA	NA	NA	NA
A007996_01	At2g24570	WRKY family transcription factor; protein id: At2g24	NA	NA	-0.065	-0.166
A008395_01	At2g25680	hypothetical protein; protein id: At2g25680.1	NA	NA	-0.459	-1.125
A009384_01	At3g16920	glycosyl hydrolase family 19 (chitinase); protein id: /	NA	NA	-2.291	-3.515
A010777_01	At3g07080	putative integral membrane protein; protein id: At3g	NA	NA	NA	0.17
A011549_01	At3g04210	disease resistance protein (TIR-NBS class), putativ	NA	NA	NA	NA
A012282_01	At3g11580	putative DNA binding protein; protein id: At3g11580	NA	NA	-0.481	-0.782
A012617_01	At3g59520	putative protein; protein id: At3g59520.1	NA	NA	NA	NA
A014149_01	At4g19170	9-cis-epoxycarotenoid dioxygenase (neoxanthin cle	NA	NA	-2.822 NA	NA
A014237_01	At4g09840	hypothetical protein; protein id: At4g09840.1	NA	0.386 NA	NA	NA
A014458_01	At4g29140	putative protein; protein id: At4g29140.1	NA	NA	NA	-0.784
A014719_01	At4g16000	A.t. DNA chromosome 4, contig fragment No. 70	NA	NA	NA	NA
A014768_01	At4g22480	putative glycine-rich protein; protein id: At4g22480.1	NA	0.082 NA	NA	-0.596
A015277_01	At4g18880	heat shock transcription factor - like protein; protein	NA	NA	NA	NA
A015501_01	At5g12870	myb family transcription factor; protein id: At5g1287	NA	NA	NA	NA
A015891_01	At5g45380	urea active transporter-like protein; protein id: At5g4	NA	NA	NA	NA
A016892_01	At5g66490	putative protein; protein id: At5g66490.1	NA	NA	NA	NA
A018578_01	At5g40720	putative protein; protein id: At5g40720.1	NA	NA	NA	NA
A018773_01	At5g42150	expressed protein; protein id: At5g42150.1	NA	0.279	0.684	0.94
A019147_01	At5g07840	putative protein; protein id: At5g07840.1	NA	NA	NA	-0.585
A019173_01	At5g10690	expressed protein; protein id: At5g10690.1	NA	0.475	0.249	0.275
A020365_01	At3g04550	expressed protein; protein id: At3g04550.1	NA	NA	-0.613	-0.38
A020695_01	At4g27280	putative protein; protein id: At4g27280.1	NA	NA	-0.242	-1.88
A020773_01	At4g23470	expressed protein; protein id: At4g23470.1	NA	0.223	0.034	-1.362
A021007_01	At3g01420	feebly-like protein; protein id: At3g01420.1	NA	NA	NA	NA
A021284_01	At4g13500	putative protein; protein id: At4g13500.1	NA	NA	0.221	-0.896
A021358_01	At3g22460	O-acetylserine(thiol) lyase, putative; protein id: At3g	NA	NA	NA	-0.768
A021505_01	At5g47330	palmitoyl-protein thioesterase precursor-like; proteir	NA	NA	NA	NA
A021801_01	At4g27170	NWMU4 - 2S albumin 4 precursor; protein id: At4g2	NA	NA	-1.81	-3.654

A021844_01	At5g12890	A.t. chromosome II section 237 of 255 of the compl	NA	NA	NA	NA	
A021861_01	At1g28240	unknown protein; protein id: At1g28240.1	NA	NA	NA		-0.625
A021957_01	At4g30290	xyloglucan endo-1,4-beta-D-glucanase-like protein	NA	NA	NA		-2.368
A022288_01	At4g28500	similar to NAM protein, putative; protein id: At4g285	NA	NA	NA	NA	
A022312_01	At4g17900	putative protein; protein id: At4g17900.1	NA	NA		-1.442	-2.462
A023427_01	At2g32490	hypothetical protein; protein id: At2g32490.1	NA	NA	NA		
A023639_01	At2g20500	hypothetical protein; protein id: At2g20500.1	NA	NA	NA		
A024654_01	xxxx	Not found	NA		-0.011 NA		-0.381
A025744_01	At1g72660	putative GTP-binding protein; protein id: At1g72660	NA		0.151 NA		-0.491
A008108_01	At2g43060	unknown protein; protein id: At2g43060.1	NA	NA	NA	NA	
A011990_01	At3g46460	E2, ubiquitin-conjugating enzyme 13 (UBC13); prot	NA	NA		-0.067	-0.454
A018550_01	At5g17470	calmodulin-like protein; protein id: At5g17470.1	NA	NA	NA		
A018865_01	At5g58680	putative protein; protein id: At5g58680.1	NA		-0.492	-0.356	-0.496
A020743_01	At1g25097	F5A9.6; protein id: At1g25097.1	NA	NA	NA	NA	
A023790_01	At1g32290	hypothetical protein; protein id: At1g32290.1	NA		0.449 NA		0.513
A023812_01	xxxx	F10A5.30; pseudogene, gamma-glutamyl hydrolase	NA	NA	NA	NA	
A024387_01	At4g26000	KH domain protein; protein id: At4g26000.1	NA		-0.559	-0.699	-1.09
A024446_01	At4g04610	5-adenylylsulfate reductase; protein id: At4g04610.1	NA		-1.64	-0.793	-1.38
A024462_01	At1g08360	60S ribosomal protein L10A, putative; protein id: At	NA		-0.121 NA	NA	
A024556_01	At5g53900	putative protein; protein id: At5g53900.1	NA	NA	NA		0.16
A025800_01	At1g79650	DNA repair protein RAD23, putative; protein id: At1g	NA	NA		0.059	-0.35
A000741_01	At1g66130	oxidoreductase, putative; protein id: At1g66130.1	NA		-0.057	-0.023	-0.284
A020770_01	At4g28520	compared to genome	NA	NA		-1.762	-4.372
A001491_01	At1g67870	expressed protein; protein id: At1g67870.1	NA	NA		-1.274	-2.112
A000015_01	At1g17560	ribosomal protein, putative; protein id: At1g17560.1	NA		1.43	1.222	1.826
A000400_01	At1g32400	expressed protein; protein id: At1g32400.1	NA		-0.294	-0.314	-0.322
A000418_01	At1g21190	hypothetical protein; protein id: At1g21190.1	NA		0.222	0.305	0.06
A000448_01	At1g26850	expressed protein; protein id: At1g26850.1	NA		0.617	0.039	0.456
A000745_01	At1g51690	55 kDa B regulatory subunit of phosphatase 2A; prc	NA		-0.259	-0.061	-0.231
A000942_01	At1g16840	expressed protein; protein id: At1g16840.1	NA		-0.199	-0.162	-0.501
A001047_01	At1g05870	unknown protein; protein id: At1g05870.1	NA		0.587	0.605	0.929
A001349_01	At1g32060	phosphoribulokinase precursor; protein id: At1g3206	NA		-0.301	-0.537	-0.413
A001364_01	At1g48850	chorismate synthase, putative; protein id: At1g4885	NA		0.292	0.246	0.493
A001393_01	At1g10760	expressed protein; protein id: At1g10760.1	NA		0.211	-0.44	0.103
A001427_01	At1g34470	expressed protein; protein id: At1g34470.1	NA		-0.239	-0.461	-0.089
A001475_01	At1g11930	putative proline synthetase associated protein; prot	NA		-0.122	-0.025	-0.19
A001493_01	At1g35620	protein disulfide isomerase, putative; protein id: At1	NA		0.39	0.128	0.345
A001569_01	At1g12650	hypothetical protein; protein id: At1g12650.1	NA		0.003	-0.138	0.175
A002091_01	At1g80490	unknown protein; protein id: At1g80490.1	NA		0.69 NA	NA	
A002115_01	At1g36310	expressed protein; protein id: At1g36310.1	NA		0.315	0.349	0.84
A002139_01	At1g09770	putative DNA-binding protein, Myb; protein id: At1g	NA		-0.141	-0.277	-0.189
A002163_01	At1g13980	putative pattern formation protein EMB30; protein id	NA		0.242 NA		0.145
A002347_01	At1g03700	expressed protein; protein id: At1g03700.1	NA		0.331 NA		-0.898
A002358_01	At1g22310	unknown protein; protein id: At1g22310.1	NA		-0.297	-0.45	0.348
A002438_01	At1g75410	BEL1-like homeodomain 3 protein (BLH3); protein id	NA		-1.909	-1.342	-1.222
A002620_01	At1g12280	disease resistance protein (CC-NBS-LRR class), pu	NA		-1.113	-0.847	-0.018
A003454_01	At1g71430	expressed protein; protein id: At1g71430.1	NA		0.435	0.627	0.579
A004153_01	At1g33200	T16O9.15; pseudogene, hypothetical protein	NA		-0.358	-0.405	-0.573
A004340_01	At1g63710	cytochrome P450, putative; protein id: At1g63710.1	NA		-0.019	0.08	0.138
A004366_01	At1g69690	expressed protein; protein id: At1g69690.1	NA		0.194	0.331	0.053
A004544_01	At1g78420	expressed protein; protein id: At1g78420.1	NA		-0.725	-0.444	-0.495
A004681_01	At1g50430	sterol delta7 reductase; protein id: At1g50430.1	NA		0.246	0.069	0.071
A004767_01	At1g30490	HD-Zip transcription factor, Athb-9; protein id: At1g	NA		-0.472 NA		0.016
A004957_01	At5g27280	putative protein; protein id: At5g27280.1	NA		-1.003	-0.797	-1.369
A004958_01	At5g27520	mitochondrial carrier protein family; protein id: At5g	NA		-0.364	-0.449	0.046
A004969_01	At1g22950	unknown protein; protein id: At1g22950.1	NA		0.363	0.261	0.489
A005896_01	At5g14950	glycosyl hydrolase family 38 (alpha-mannosidase); j	NA		0.02	-0.191	0.163
A005927_01	At1g03900	expressed protein; protein id: At1g03900.1	NA		-0.261	-0.393	-0.566
A005993_01	At5g05450	DEAD/DEAH box RNA helicase protein, putative; pr	NA		0.274	0.006	0.583
A006010_01	At2g37130	peroxidase, putative (ATP2a); protein id: At2g3713	NA		-3.629	-2.871	-2.981
A006113_01	At2g26140	FtsH protease, putative; protein id: At2g26140.1	NA		-0.168	-0.28	-0.055
A006404_01	At2g38660	methylenetetrahydrofolate dehydrogenase; protein i	NA		0.173	-0.097	0.296
A006526_01	At2g43120	similar to pirin-like protein; protein id: At2g43120.1	NA		-1.323	-0.849	-0.197
A006614_01	At2g37760	aldo/keto reductase family; protein id: At2g37760.1	NA		-0.974	-0.451	-0.501
A006812_01	At2g30870	glutathione transferase, putative; protein id: At2g30	NA		0.499	-0.089	-0.082
A006983_01	At2g47720	hypothetical protein; protein id: At2g47720.1	NA		-1.113	-1.034	-0.914
A007065_01	At2g38910	putative calcium-dependent protein kinase; protein i	NA		-0.622	-0.487	-1.115
A007160_01	At2g35770	putative serine carboxypeptidase II; protein id: At2g	NA		-0.439	-0.357	-0.981

A007253_01	At2g20610	putative tyrosine aminotransferase; protein id: At2g2	NA	-1.556	-0.591	-0.652
A007301_01	At2g26670	heme oxygenase 1 (HO1); protein id: At2g26670.1	NA	-1.68	-0.654	-1.566
A007345_01	At2g25670	expressed protein; protein id: At2g25670.1	NA	-0.007	0.23	-0.024
A007579_01	At2g28550	AP2 domain protein RAP2.7; protein id: At2g28550	NA	-0.486	-0.681	-1.152
A007731_01	At2g21410	putative vacuolar proton-ATPase subunit; protein id	NA	0.265	-0.003	0.025
A007737_01	At2g30260	small nuclear ribonucleoprotein U2B, putative; prote	NA	0.327	0.341	0.139
A008444_01	At2g32070	putative CCR4-associated factor; protein id: At2g32	NA	-0.042	0.305	0.816
A008462_01	At2g01970	endomembrane protein 70, putative; protein id: At2	NA	0.251	-0.026	0.203
A009204_01	At3g55110	ABC transporter family protein; protein id: At3g5511	NA	0.689	0.739	1.261
A009242_01	At3g61070	putative protein; protein id: At3g61070.1	NA	-0.488	-0.193	-0.25
A009243_01	At3g11560	unknown protein; protein id: At3g11560.1	NA	-0.394	-0.302	0.123
A009644_01	At3g17750	protein kinase, putative; protein id: At3g17750.1	NA	-0.054	NA	NA
A009651_01	At3g13070	hemolysin-like protein; protein id: At3g13070.1	NA	0.213	-0.102	0.658
A009685_01	At3g07720	expressed protein; protein id: At3g07720.1	NA	-0.318	0.032	-0.128
A009717_01	At3g19150	Kip-related protein 6; protein id: At3g19150.1	NA	-1.348	-0.566	-1.466
A009718_01	At3g24830	60S ribosomal protein, putative; protein id: At3g248	NA	0.794	0.763	1.027
A009724_01	At3g46890	putative protein; protein id: At3g46890.1	NA	-0.966	NA	NA
A010662_01	At3g20705	pseudogene	NA	0.046	NA	0.245
A011147_01	At3g16290	FtsH protease, putative; protein id: At3g16290.1	NA	0.828	0.383	0.705
A011464_01	At3g10130	unknown protein; protein id: At3g10130.1	NA	-1.005	-0.944	-1.346
A011466_01	At3g10030	putative uridylate kinase; protein id: At3g10030.1	NA	-0.172	-0.359	-0.245
A011639_01	At3g13300	hypothetical protein; protein id: At3g13300.1	NA	-0.095	0.055	-0.156
A011648_01	At3g54660	glutathione reductase, chloroplast precursor; proteir	NA	-0.076	-0.102	-0.003
A011649_01	At3g10770	expressed protein; protein id: At3g10770.1	NA	-0.859	-0.537	-0.333
A011737_01	At3g57530	calcium-dependent protein kinase; protein id: At3g5	NA	-1.188	-0.987	-1.019
A011739_01	At3g52300	putative protein; protein id: At3g52300.1	NA	0.235	0.327	0.52
A011796_01	At3g52730	ubiquinol--cytochrome-c reductase-like protein; prot	NA	0.32	0.45	0.125
A011824_01	At3g50670	U1 small nuclear ribonucleoprotein 70 (U1-70k); prc	NA	0.339	0.262	-0.024
A012405_01	At3g11020	DRE binding protein (DREB2B); protein id: At3g110	NA	-0.853	-0.795	-1.501
A012825_01	At3g29240	chloroplast lumen common protein family; protein id	NA	-1.328	-1.087	-1.528
A012892_01	At4g00530	hypothetical protein; protein id: At4g00530.1	NA	0.632	0.68	0.184
A013060_01	At4g11990	putative protein; protein id: At4g11990.1	NA	-0.272	0.036	0.219
A013531_01	At4g09640	putative protein; protein id: At4g09640.1	NA	0.72	NA	0.28
A013767_01	At4g24130	putative protein; protein id: At4g24130.1	NA	0.371	0.781	0.534
A013865_01	At4g01510	hypothetical protein; protein id: At4g01510.1	NA	-0.044	0.028	-0.435
A013881_01	At4g32270	compared to genome	NA	0.828	1.09	1.29
A014044_01	At4g15230	ABC transporter like protein; protein id: At4g15230.	NA	0.279	-0.119	-0.777
A014689_01	At4g33910	putative protein; protein id: At4g33910.1	NA	-0.254	-0.168	0.192
A014744_01	At4g39800	myo-inositol-1-phosphate synthase; protein id: At4g	NA	-0.274	0.983	1.65
A014791_01	At4g27450	unknown protein; protein id: At4g27450	NA	-2.979	-1.902	-2.803
A014967_01	At4g23900	expressed protein; protein id: At4g23900.1	NA	-0.875	-0.895	-1.302
A015087_01	At4g32680	expressed protein; protein id: At4g32680.1	NA	-0.376	0.01	-0.288
A015212_01	At4g17640	casein kinase II beta chain CKB2; protein id: At4g1	NA	-0.643	-0.346	-0.277
A015226_01	At4g15730	hypothetical protein; protein id: At4g15730.1	NA	-0.42	NA	-0.729
A015340_01	At4g10950	putative protein; protein id: At4g10950.1	NA	0.312	-0.323	-0.163
A015551_01	At5g04210	RRM-containing protein; protein id: At5g04210.1	NA	0.974	NA	1.068
A015561_01	At5g64050	glutamate-tRNA ligase; protein id: At5g64050.1	NA	0.024	0.033	-0.129
A015575_01	At5g08380	glycosyl hydrolase family 27 (alpha-galactosidase/r	NA	0.381	-0.263	-0.215
A016276_01	At5g58240	bis(5'-adenosyl)-triphosphatase-like; also similar to	NA	0.126	0.19	-0.204
A016302_01	At5g48020	expressed protein; protein id: At5g48020.1	NA	-0.703	0.032	0.156
A016527_01	At5g56500	rubisco subunit binding-protein beta subunit precurs	NA	1.031	1.048	1.626
A017523_01	At5g64740	cellulose synthase catalytic subunit; protein id: At5g	NA	0.625	0.153	0.851
A017547_01	At5g55970	putative protein; protein id: At5g55970.1	NA	-3.268	-1.617	-3.272
A017927_01	At5g12370	putative protein; protein id: At5g12370.1	NA	0.145	-0.019	-0.112
A017943_01	At5g11500	putative protein; protein id: At5g11500.1	NA	-0.583	-0.134	-0.081
A018485_01	At5g01030	putative protein; protein id: At5g01030.1	NA	-0.474	-0.218	-0.366
A018705_01	At5g44750	putative protein; protein id: At5g44750.1	NA	-0.24	-0.172	-0.342
A018761_01	At5g41940	GTPase activator protein of Rab-like small GTPase: NA	NA	0.448	0.577	1.097
A018765_01	At5g60470	putative zinc finger protein; protein id: At5g60470.1	NA	0.453	0.467	1.229
A018790_01	At5g54360	unknown protein; protein id: At5g54360.1	NA	0.546	0.457	0.507
A018794_01	At5g46270	disease resistance protein (TIR-NBS-LRR class), pi	NA	0.036	0.187	0.311
A018861_01	At5g54150	putative protein; protein id: At5g54150.1	NA	-0.085	0.101	0.366
A018876_01	At5g61890	A.t. genomic DNA, chromosome 5, P1 clone:MQD2	NA	0.141	0.124	0.374
A019001_01	At5g22440	60S ribosomal protein L10A; protein id: At5g22440.	NA	0.945	0.92	1.03
A019031_01	At5g64240	expressed protein; protein id: At5g64240.1	NA	-2.884	-1.352	-1.559
A019042_01	At5g65910	expressed protein; protein id: At5g65910.1	NA	-0.772	NA	-1.008
A019054_01	At5g32440	putative protein; protein id: At5g32440.1	NA	-0.329	-0.125	-0.364
A019079_01	At5g43150	unknown protein; protein id: At5g43150.1	NA	-1.51	-0.66	-1.422

A019084_01	At5g17210	putative protein; protein id: At5g17210.1	NA		0.393	0.694	0.462
A019125_01	At5g08720	unknown protein; protein id: At5g08720.1	NA		0.149	-0.183	-0.104
A019185_01	At5g49580	putative protein; protein id: At5g49580.1	NA		-0.465	0.094	0.107
A019226_01	At5g58040	putative protein; protein id: At5g58040.1	NA		-0.373	NA	-0.576
A019232_01	At5g05800	putative protein; protein id: At5g05800.1	NA		-0.465	-0.153	-0.093
A019280_01	At5g14430	putative protein; protein id: At5g14430.1	NA		0.014	-0.359	0.48
A019462_01	not annotated	Chr4 W/150008-150055,150138-150159 downstrea	NA		0.088	NA	0.095
A019792_01	At2g41140	CPDK-related protein kinase; protein id: At2g41140	NA		-0.908	-0.47	-0.274
A019986_01	At1g07700	expressed protein; protein id: At1g07700.1	NA		-0.815	-0.446	-0.44
A019992_01	At3g04890	expressed protein; protein id: At3g04890.1	NA		0.136	-0.138	-0.487
A019996_01	At2g26590	expressed protein; protein id: At2g26590.1	NA		0.009	0.05	-0.121
A020426_01	At2g40600	expressed protein; protein id: At2g40600.1	NA		-0.264	-0.031	0.439
A020775_01	At2g40940	ethylene response sensor (ERS); protein id: At2g40	NA		-0.27	NA	-0.413
A020779_01	At5g42530	unknown protein; protein id: At5g42530.1	NA		-1.71	0.018	-0.44
A021737_01	At1g36240	60S ribosomal protein L30, putative; protein id: At1c	NA		0.713	NA	NA
A022056_01	At1g33230	expressed protein; protein id: At1g33230.1	NA		-0.226	-0.024	0.086
A022274_01	At4g20020	DAG-like protein; protein id: At4g20020.1	NA		0.877	0.781	0.877
A023555_01	At2g10020	hypothetical protein; protein id: At2g10020.1	NA		0.154	NA	-0.123
A024044_01	At3g01020	unknown protein; protein id: At3g01020.1	NA		-0.113	NA	-0.355
A024170_01	At3g10300	unknown protein; protein id: At3g10300.1	NA		0.244	-0.237	-0.502
A024467_01	At3g17940	aldose 1-epimerase, putative; protein id: At3g17940	NA		0.054	-0.238	-0.104
A024543_01	At3g15840	expressed protein; protein id: At3g15840.1	NA		-1.585	-1.119	-2.23
A024776_01	At4g15545	expressed protein; protein id: At4g15545.1	NA		-1.149	-0.8	-0.52
A025167_01	At3g14640	cytochrome P450, putative; protein id: At3g14640.1	NA		-0.912	-1.167	-1.889
A025902_01	At3g23300	expressed protein; protein id: At3g23300.1	NA		0.346	0.199	0.459
A026000_01	At3g14660	cytochrome P450, putative; protein id: At3g14660.1	NA		-0.643	-0.497	-1.423
A026032_01	At2g14470	putative helicase; protein id: At2g14470.1	NA		-1.221	-0.641	-0.946
A000572_01	At1g19430	expressed protein; protein id: At1g19430.1	NA	NA	NA		-0.311
A004818_01	At1g12750	membrane protein, putative; protein id: At1g12750.1	NA	NA	NA		-0.618
A005988_01	At4g00730	homeodomain protein AHDP; protein id: At4g00730	NA	NA		-0.53	-1
A006161_01	At2g43820	putative glucosyltransferase; protein id: At2g43820.	NA	NA		-1.775	-3.042
A007292_01	At2g35110	unknown protein; protein id: At2g35110.1	NA	NA		-0.346	-0.99
A007713_01	At2g34900	putative RING3 protein; protein id: At2g34900.1	NA	NA		0.457	0.715
A009463_01	At3g52530	putative protein; protein id: At3g52530.1	NA	NA		NA	-1.174
A011646_01	At3g10670	ABC transporter family protein; protein id: At3g1067	NA	NA		-0.09	-0.206
A012457_01	At3g50250	putative protein; protein id: At3g50250.1	NA	NA		NA	-0.49
A012674_01	At3g04060	NAM-like protein (no apical meristem); protein id: At	NA	NA		NA	NA
A016524_01	At5g43920	WD-repeat protein-like; protein id: At5g43920.1	NA	NA		-0.789	-0.668
A017134_01	At5g17580	putative protein; protein id: At5g17580.1	NA	NA		-0.785	-1.169
A018784_01	At5g51520	ripening-related protein-like; protein id: At5g51520.1	NA	NA		-0.321	-0.672
A019101_01	At5g16830	syntaxin SYP21 (PEP12); protein id: At5g16830.1	NA	NA		-0.64	-0.767
A020277_01	At5g54310	expressed protein; protein id: At5g54310.1	NA	NA		-0.556	-0.498
A024469_01	At5g59820	zinc finger protein Zat12; protein id: At5g59820.1	NA	NA		-1.053	-2.38
A024824_01	At3g46670	glucosyltransferase-like protein; protein id: At3g466	NA	NA		-0.056	-0.334
A005098_01	At1g75530	hypothetical protein; protein id: At1g75530.1	NA	NA		NA	-0.705

Oligo ID	2-3 DPA A	2-3 DPA A dye swap	2-3 DPA B	2-3 DPA B dye swap	4-5 DPA A	4-5 DPA A dye swap	4-5 DPA B	4-5 DPA B dye swap
A000001_01	0.077	0.048	-0.124	-0.168	0.362	0.488	-0.079	-0.176
A000002_01	-0.033	0.284	-0.295	-0.33	-0.009	0.404	-0.141	0.226
A000003_01	-0.163	-0.161	-0.236	0.44	-0.181	-0.16	-0.612	NA
A000004_01	0.233	0.235	-0.221	-0.355	0.245	0.179	-0.057	-0.02
A000006_01	0.848	1.008	0.29	-0.195	-0.292	0.534	0.058	0.021
A000012_01	-0.071	-0.022	0.099	0.028	-0.157	-0.001	-0.105	-0.003
A000013_01	0.069	0.488	-0.197	-0.051	-0.031	0.426	-0.234	0.145
A000016_01	-0.168	-0.128	-0.082	0.086	-0.117	-0.104	0.01	0.15
A000017_01	0.194	0.228	0.132	-0.276	0.071	0.287	0.014	0.111
A000020_01	-0.058	-0.018	0.148	0.319	-0.044	-0.145	-0.21	0.019
A000021_01	0.546	0.676	0.051	0.133	-0.148	-0.004	-0.081	-0.059
A000022_01	-0.748	-0.644	-0.666	-0.43	-0.232	-0.163	-0.176	0.193
A000025_01	0.256	0.217	0.016	0.026	0.141	0.101	-0.025	-0.086
A000026_01	0.231	0.516	0.189	0.424	-0.063	0.385	-0.15	-0.067
A000027_01	0.073	0.196	-0.391	0.108	0.074	0.154	0.138	0.442
A000029_01	0.162	0.365	0.165	NA	-0.545	NA	NA	NA
A000031_01	0.428	0.509	0.277	0.403	-0.383	-0.668	0.306	0.311
A000038_01	-0.449	-0.201	0.084	-0.02	-0.192	-0.022	-0.111	0.251
A000040_01	-0.393	-0.15	-0.284	0.268	-0.116	-0.112	0.051	0.363
A000041_01	0.092	0.026	-0.54	0.16	0.07	0.24	0.022	-0.074
A000042_01	-0.264	0.483	0.096	0.21	-0.28	0.431	-0.104	0.272
A000046_01	-0.051	0.256	0.266	0.107	-0.095	0.393	0.137	0.368
A000047_01	-0.684	-0.551	NA	NA	-0.4	-0.31	-1.085	NA
A000051_01	-0.222	0.069	-0.316	0.498	-0.517	-0.087	-0.311	NA
A000052_01	-0.144	0.366	-0.576	NA	-0.141	0.023	-0.461	NA
A000055_01	0.078	0.453	-0.133	0.455	0.459	0.897	0.123	0.19
A000056_01	-0.301	-0.347	-0.378	0.268	-0.123	0.028	-0.195	0.06
A000058_01	0.199	0.486	0.413	0.42	-0.004	NA	0.158	0.376
A000061_01	0.229	0.462	-0.456	-0.002	0.366	0.56	-0.406	-0.412
A000063_01	-0.159	-0.146	-0.234	0.165	-0.261	-0.168	-0.28	-0.079
A000064_01	-0.3	-0.064	0.409	0.218	-0.414	-0.356	0.047	NA
A000065_01	-0.704	-0.58	-0.227	0.091	-0.425	-0.323	0.036	0.32
A000067_01	-0.789	NA	NA	0.385	-0.733	NA	-0.563	NA
A000069_01	-0.62	-0.312	NA	NA	-0.284	-0.144	-0.395	NA
A000073_01	0.664	0.845	0.803	0.317	0.216	0.596	0.258	0.413
A000074_01	-0.714	-0.308	-0.393	0.174	-0.417	-0.082	-0.219	0.047
A000077_01	-0.468	-0.439	-0.363	0.178	-0.094	0.013	-0.303	NA
A000080_01	0.011	0.135	0.175	0.667	0.009	0.062	0.088	0.335
A000084_01	-0.545	-0.173	NA	0.494	0.013	0.005	-0.103	0.332
A000088_01	0.069	0.218	0.166	0.264	-0.051	0.083	0.139	0.191
A000091_01	-0.149	-0.168	0.237	-0.063	0.288	0.082	0.35	0.175
A000095_01	-0.554	-0.016	NA	NA	-0.29	-0.065	NA	NA
A000098_01	-0.267	-0.079	-0.57	-0.356	0.38	0.535	-0.041	0.088
A000107_01	-0.979	-0.89	-0.956	-0.56	-0.78	-0.825	-0.519	-0.113
A000111_01	-0.366	-0.224	-0.355	0.131	-0.201	-0.16	-0.008	0.149
A000113_01	-0.306	0.028	-0.001	0.498	-0.195	-0.107	-0.321	0.009
A000115_01	-0.122	-0.142	0.302	0.297	0.086	0.118	0.299	0.107
A000120_01	0.147	0.627	0.446	NA	0.36	0.753	0.023	NA
A000123_01	-0.217	NA	0.42	0.819	-0.493	NA	0.105	NA
A000124_01	-0.833	-0.404	-0.021	-0.16	-0.162	0.267	0.288	0.555
A000134_01	-0.332	-0.477	0.069	0.541	-0.278	-0.375	0.636	0.428
A000138_01	-0.304	-0.069	-0.087	0.215	-0.067	0.211	-0.009	0.128
A000146_01	0.486	0.789	NA	0.715	0.394	0.5	NA	NA
A000150_01	-0.697	-0.543	-0.297	0.053	-0.513	-0.518	-0.198	-0.123
A000157_01	0.33	0.47	0.773	0.845	-0.37	-0.156	0.084	0.123
A000169_01	-0.253	0.071	0.233	0.213	-0.357	NA	0.272	0.476
A000173_01	-0.23	-0.045	0.249	0.005	-0.138	-0.104	0.009	0.082
A000179_01	0.099	0.469	0.315	0.384	-0.166	0.051	-0.309	0.139

A000185_01	-0.1	0.062	NA	NA	-0.278	0.126	-0.262	0.205
A000187_01	-1.412	NA	NA	NA	-0.725	0.46	-0.219	0.651
A000198_01	-0.014	0.253	NA	NA	-0.013	0.344	-0.054	0.047
A000202_01	-0.161	NA	-0.37	-0.353	-0.032	0.652	0.247	0.196
A000220_01	-0.601	-0.407	0.233	-0.159	0.151	0.166	-0.201	-0.116
A000223_01	0.454	0.53	-0.044	-0.168	0.156	0.647	-0.181	-0.184
A000226_01	-0.777	-0.629	0.127	0.456	-0.336	-0.412	0.055	0.092
A000233_01	-0.584	-0.196	NA	0.313	-0.385	0.03	-0.16	0.259
A000239_01	-0.088	0.268	-0.097	0.096	-0.196	0.42	-0.288	-0.072
A000248_01	-0.473	-0.526	NA	NA	-0.219	-0.346	-1.025	NA
A000253_01	0.351	0.2	0.366	0.439	0.044	0.059	0.307	0.17
A000259_01	-0.287	-0.439	-0.134	0.02	-0.083	-0.345	-0.371	-0.248
A000260_01	-0.117	-0.162	-0.781	-0.331	-0.172	-0.11	-0.206	-0.179
A000261_01	-0.141	0.157	0.102	0.222	-0.107	-0.021	0.002	0.329
A000263_01	-0.075	0.227	0.283	0.74	-0.087	-0.009	0.058	0.203
A000268_01	-0.375	-0.434	-0.135	0.032	-0.01	-0.386	-0.169	-0.208
A000269_01	-0.133	0.051	-0.08	-0.091	-0.258	0.116	-0.078	0.031
A000270_01	-0.138	0.147	-0.088	0.236	-0.119	0.374	-0.293	0.079
A000297_01	-0.58	NA	-0.487	-0.265	-0.216	0.092	-0.196	0.124
A000301_01	-1.689	-1.529	-1.015	-0.555	-0.84	-0.687	-0.228	-0.022
A000302_01	-0.14	0.128	NA	NA	-0.023	NA	NA	NA
A000303_01	0.521	0.621	0.2	-0.069	0.076	0.351	0.128	0.265
A000305_01	0.15	0.524	0.372	0.079	0.062	0.143	-0.137	-0.046
A000319_01	0.789	0.742	1.032	1.179	0.888	0.938	0.206	0.186
A000321_01	-0.218	0.328	0.109	0.848	-0.217	NA	0.316	0.506
A000322_01	-0.17	0.023	0.227	0.186	-0.007	0.166	0.061	0.194
A000324_01	0.07	0.369	0.255	0.493	-0.383	-0.154	0.182	NA
A000325_01	-0.552	-0.241	-0.823	-0.649	-0.641	-0.242	-0.662	-0.401
A000326_01	0.14	0.369	0.128	0.194	-0.113	-0.015	0.056	NA
A000329_01	-0.103	-0.169	0.114	0.014	0.272	0.301	-0.228	0.005
A000336_01	-0.21	0.012	-0.21	0.122	0.007	-0.042	0.103	0.135
A000337_01	-0.187	0.182	-0.199	0.569	0.054	0.364	-0.223	NA
A000340_01	-0.596	-0.069	0.086	0.106	-0.597	-0.077	-0.173	0.192
A000348_01	-0.725	-0.527	NA	-0.643	-1.174	-1.164	-1.321	-0.569
A000351_01	-0.116	-0.213	-0.194	0.14	-0.171	-0.213	-0.261	-0.219
A000352_01	-0.535	-0.371	-0.472	0.185	-0.431	-0.436	-0.508	NA
A000353_01	0.541	0.436	-0.193	-0.83	0.264	0.488	-0.217	-0.202
A000355_01	-0.429	0.247	-0.502	0.471	-0.112	0.42	-0.448	0.471
A000358_01	-0.299	-0.084	-0.28	0.112	-0.262	-0.222	-0.446	-0.187
A000364_01	0.198	0.214	-0.321	0.073	-0.162	NA	-0.082	0.068
A000365_01	-0.599	NA	NA	0.07	-0.01	NA	-0.265	0.162
A000368_01	-0.116	-0.1	0.034	-0.206	0.331	0.136	-0.004	NA
A000371_01	-0.193	-0.291	-0.285	0.026	-0.095	-0.241	-0.044	-0.115
A000373_01	-0.349	-0.107	-0.197	0.517	-0.289	-0.192	-0.317	NA
A000377_01	-0.061	-0.215	-0.168	-0.541	-0.258	-0.138	-0.363	-0.036
A000382_01	0.797	0.992	0.648	0.525	0.611	0.954	-0.392	-0.263
A000384_01	-0.164	0.362	-0.525	0.495	-0.098	NA	-0.324	NA
A000389_01	-1.929	NA	NA	NA	-1.469	-1.588	-0.691	NA
A000396_01	-0.183	0.123	-0.297	0.274	-0.196	0.145	-0.164	-0.01
A000402_01	-0.569	NA	0.396	0.672	-0.475	-0.203	0.252	NA
A000406_01	0.367	0.44	0.341	0.513	-0.098	-0.146	0.044	0.183
A000410_01	-0.24	-0.269	0.028	-0.067	-0.053	0.053	-0.117	0.013
A000412_01	-0.143	0.047	-0.277	0.129	-0.025	0.19	-0.186	0.089
A000419_01	-0.412	-0.163	0.004	-0.186	-0.36	-0.13	-0.128	0.046
A000420_01	-0.217	-0.019	-0.325	NA	-0.148	0.025	0.122	NA
A000423_01	-0.588	-0.148	NA	NA	-0.07	0.274	-0.347	0.436
A000426_01	0.078	0.282	0.151	0.171	-0.087	0.15	0.02	0.183
A000454_01	-0.44	-0.505	-0.273	-0.351	-0.323	-0.383	-0.209	-0.048
A000455_01	-0.748	NA	NA	0.358	-0.585	NA	NA	0.065
A000462_01	0.058	0.254	-0.39	0.439	-0.215	0.44	0.01	-0.003
A000471_01	-0.281	0.09	-0.21	0.324	-0.418	NA	-0.239	0.084
A000473_01	0.406	0.406	0.534	0.692	0.284	0.349	-0.153	-0.179
A000478_01	-0.173	0.079	-0.013	0.273	-0.047	0.156	-0.055	0.107
A000479_01	-0.182	0.077	-0.062	0.018	-0.225	NA	-0.052	NA
A000489_01	-0.661	-0.464	-0.772	-0.915	-0.2	0.042	-0.359	-0.258
A000500_01	-0.652	-0.167	-0.084	0.193	-0.311	-0.093	-0.264	0.073
A000511_01	-0.061	0.43	0.292	0.688	0.425	0.525	0.375	0.448
A000517_01	-0.158	-0.058	-0.085	-0.123	0.012	0.115	-0.062	0.105

A000519_01	0.572	0.612	0.294	-0.136	-0.008	0.325	0.046	0.066
A000523_01	-0.193	0.041	0.212	0.126	0.183	0.142	0.002	0.23
A000525_01	-0.575	-0.301	-0.907	-0.737	-0.355	-0.156	-0.211 NA	
A000526_01	-0.639	-0.127	-0.275	0.059	-0.445	0.131	-0.472	0.067
A000533_01	-0.253	-0.302	0.305	0.132	-0.012	-0.133	-0.086	-0.043
A000534_01	-0.236	0.156	0.092	0.112	0.038	0.192	0.318	0.305
A000543_01	0.636	0.576	0.372	0.289	0.059	0.324	-0.054	-0.252
A000548_01	0.362	0.412	0.855	1.144	0.005	0.094	0.089	0.129
A000553_01	-0.095	-0.006	-0.292	0.538	-0.572	-0.216	-0.057	0.204
A000555_01	-0.129	0.198	0.238	-0.352	-0.315	0.336	0.604	0.342
A000559_01	-0.128	0.344	-0.145	-0.203	-0.2	0.094	-0.181	0.178
A000567_01	-0.313	-0.248	-0.453	-0.286	-0.1	-0.048	-0.05	-0.233
A000568_01	0.149	0.237	0.468	0.338	0.373	0.328	-0.034	-0.124
A000577_01	-0.249	-0.402	-0.039	-0.135	0.195	-0.036	0.017	0.024
A000579_01	-2.151	-2.175	-1.807	-0.815	-1.455	-1.591	0.019	0.077
A000582_01	-0.462	-0.456	-0.329	-0.565	-0.181	-0.13	-0.31	-0.217
A000589_01	0.278	0.405	0.134	0.475	-0.052	0.082	-0.121	0.009
A000590_01	-0.31	-0.146	-0.14	0.309	-0.383	-0.108	-0.087	0.293
A000592_01	-1.223	-1.267 NA		-0.834	-0.588	-0.713	-0.476	-0.068
A000600_01	-0.408	-0.126	-0.274	0.269	0.126	0.17	0.556	0.566
A000608_01	-0.077	-0.025	0.069	0.008	0.221	0.088	-0.024	0.216
A000610_01	0.163	0.549	-0.019	0.484	0.006	0.38	0.032	0.079
A000612_01	-0.453	-0.444	-0.272	0.259	0.142	0.21	0.149	0.248
A000613_01	-0.673	-0.513	-0.412	0.469	-0.392	-0.25	-0.223	0.041
A000618_01	0.195	0.436	0.303	0.363	-0.131 NA		0.13	0.15
A000619_01	-3.26	-3.536	-2.573	-2.012	-2.045	-2.276	-1.336	-0.801
A000622_01	-0.576	-0.326	-0.301	-0.02	-0.119	-0.112	-0.178	0.014
A000629_01	-0.052	-0.154	0.137	0.058	0.029	-0.166	0.064 NA	
A000633_01	-0.141	0.012	0.237	0.223	0.421	0.524	-0.089	-0.057
A000637_01	-0.094	0.344	0.373 NA		-0.019	0.249	0.147	0.243
A000638_01	-0.238	-0.094	-0.033	0.481	-0.313 NA		-0.084	0.053
A000639_01	0.203	0.112	-0.553	-0.318	0.187	0.379	-0.117	-0.182
A000643_01	-0.063	-0.015	0.117	0.167	0.006	0.107	-0.068	-0.075
A000645_01	0.034	0.084	0.166	0.038	0.196	0.186	-0.076	0.031
A000649_01	-0.324	-0.167	-0.059	-0.43	0.02	0.227	0.056	0.188
A000650_01	-0.407	-0.336	-0.102	0.121	-0.165	0.014	-0.163	0.025
A000652_01	-0.214	-0.165	-0.373	-0.368	0.361	0.546	0.016	0.013
A000653_01	-0.583	-0.362	-0.192	-0.013	0.052	0.202	0.042	0.028
A000657_01	-0.26	-0.121	0.012	0.503	-0.068	0.058	-0.117	-0.018
A000665_01	-0.29	-0.239	-0.311	-0.031	0.047	0.421	-0.206	0.064
A000668_01	-0.495	-0.17	-0.632	-0.704	-0.13	0.108	-0.352	0.048
A000677_01	0.051	0.093	0.539	0.723	0.12	0.458	0.046	0.224
A000684_01	-0.463	-0.285 NA		0.239	-0.278	0.198	-0.236 NA	
A000685_01	0.144	0.383	0.005	0.131	-0.15	0.385	-0.116	0.215
A000687_01	0.053	0.358	0.146	0.353	-0.12	0.103	-0.117	0.29
A000692_01	-0.106	0.046	-0.203	-0.3	0.149	0.206	0.001	0.019
A000696_01	-1.002	-0.783	-0.601	-0.656	-0.561	-0.341	-0.06	0.166
A000697_01	0.1	0.385	0.076	0.325	0.111	0.179	-0.071	0.259
A000700_01	-0.083	-0.128	-0.392	0	0.124	0.082	-0.094	-0.253
A000701_01	0.138	0.293	-0.325	0.076	0.169	0.394	-0.038	0.011
A000710_01	-0.236	0.127	0.55	0.501	-0.115	0.054	-0.151	0.063
A000711_01	-0.248	0.143	-0.172	0.311	-0.212	0.25	-0.243	0.08
A000722_01	-0.484	-0.44	-0.691	-0.081	-0.12	-0.011	-0.044	0.153
A000727_01	-0.296	-0.372	-0.311	-0.06	-0.25	-0.236	0.002	0.084
A000731_01	-0.413	-0.33	-0.546	-1.078 NA		0.332	-0.096	0.013
A000742_01	0.545	0.701	0.282	0.504	-0.241	0.011	0.08	0.044
A000755_01	-0.365	-0.176	-0.936	-0.61	-0.248	0.004	-0.36	-0.102
A000757_01	-0.012	0.38 NA	NA		-0.082	0.208	-0.08	0.3
A000759_01	0.031	0.358	0.121	-0.013	0.082	0.531	-0.004	-0.015
A000764_01	-0.358	-0.177	0.129	0.143	-0.058	-0.126	0.119	0.477
A000770_01	0.383	0.607	0.275	0.081	0.2	0.56	0.025	0.238
A000775_01	-0.112	0.041	0.056	0.124	-0.125	-0.147	-0.03	0.131
A000781_01	-0.629	-0.5	-0.212	0.323	-0.076	-0.164	-0.359	-0.069
A000782_01	-0.066	0.241	0.342	0.837	0.168	0.276	-0.304 NA	
A000794_01	-0.101	0.303	-0.051	0.642	0.109	-0.02	-0.108 NA	
A000795_01	0.034	0.15	0.239	-0.36	0.414	0.533	0.695	0.799
A000801_01	0.481	0.601	0.341	0.34	0.112	0.323	-0.003	-0.063
A000802_01	-0.444	-0.08	0.074	0.101	-0.121	-0.015	0.006	0.308

A000803_01	0.013	0.057	-0.115	0.232	0.045	0.154	-0.322	-0.091
A000807_01	-0.249 NA		0.068	0.196	-0.293 NA		-0.087 NA	
A000808_01	-0.468	-0.109	-0.135	0.72	0.339	0.612	0.135	0.348
A000814_01	0.516	0.638	0.083	-0.348	-0.219	0.402	0.287	0.372
A000827_01	-0.108	-0.159	-0.397	-0.074	0.389	0.359	-0.511	-0.364
A000828_01	0.148	0.124	-0.701	-0.252	0.2	0.361	-0.255	-0.012
A000835_01	0.214	0.143	-0.359 NA		0.024	-0.031	-0.407	-0.045
A000842_01	0.046	0.365	-0.523	-0.255	0.058	0.459	-0.255	0.167
A000851_01	1.027	1.304	0.555	0.836	-0.071	0.315	0.009	0.453
A000853_01	-0.202	0.029	-0.108	0.241	0.12	0.071	-0.061	0.028
A000856_01	0.101	0.158	-0.18	0.477	0.451	0.33	-0.334	-0.305
A000875_01	-0.05	0.037	-0.181	0.251	0.043	0.132	-0.007	0.175
A000880_01	-0.868	-0.473 NA		NA	-0.418 NA		-0.671 NA	
A000888_01	0.587	0.547	0.178	0.676	0.406	0.451	0.062	0.269
A000897_01	0.059	0.328	-0.274	0.178	-0.249 NA		-0.211	0.304
A000903_01	-0.313 NA		NA	-0.378	-0.236 NA		-0.002	0.331
A000910_01	-0.021	0.132	0.018	0.405	0.094 NA		0.007	0.296
A000919_01	0.191	0.335	0.346	0.138	0.036	0.204	-0.128	0.108
A000922_01	-0.143	-0.069	0.281	0.461	0.061	-0.069	-0.211	0.047
A000936_01	-0.094	-0.05	-0.095	0.143	0.227	0.185	-0.119	0.106
A000937_01	-0.183	-0.271	-0.026	-0.301	0.243	0.196	0.113	0.004
A000941_01	0.014	0.246	-0.491	-0.249	-0.291	0.462	-0.255	-0.11
A000945_01	-0.085 NA		-0.26	-0.042 NA		NA	-0.118	0.066
A000953_01	-0.31	-0.309	-0.206	0.175	-0.146	-0.151	-0.07	0.022
A000960_01	-0.175	-0.065	-0.537	0.528	0.039	0.153	-0.099 NA	
A000962_01	-0.147	-0.096	-0.08	-0.361	0.101	-0.092	0.151	0.121
A000970_01	0.119	0.118	0.237	0.399	-0.08	-0.34	-0.215	-0.196
A000974_01	-0.212	0.045	0.265	0.218	-0.164	0.094	0.276	0.394
A000984_01	-0.266	-0.199	0.075	0.231	-0.013	-0.053	-0.033	0.11
A000987_01	0.019	0.136	0.021 NA		0.076	-0.218	-0.27 NA	
A000988_01	0.012	-0.055	0.398	0.067	0.272	0.363	0.451	0.339
A000992_01	0.302	0.258	0.169	0.621	-0.202	-0.187	-0.139	0.088
A000997_01	0.309	0.265	-0.404	-0.238	0.056	0.271	-0.023	0.041
A001006_01	-0.047	0.171	0.28	0.766	-0.129	0.1	0.005	0.282
A001007_01	-0.274	0.186	-0.031	0.058	0.087	0.25	0.106	0.418
A001011_01	-0.426	-0.064	-0.281	0.19	-0.429	-0.183	-0.302	0.251
A001012_01	0.2	0.172	0.071	0.668	-0.154	-0.295	0.045	0.051
A001017_01	0.81	0.778	-0.202	-0.027	-0.159	0.558	-0.066	0.008
A001019_01	0.3	0.091	0.367	0.476	0.394	0.187	0.012	-0.009
A001023_01	-0.939	-1.311 NA		NA	0.307	0.319	-1.015 NA	
A001029_01	0.2	0.212	-0.064	0.014	0.091	0.403	0.006	0.127
A001031_01	-0.534	-0.185	-0.074	0.025	-0.288	-0.029	-0.22 NA	
A001032_01	-0.237	-0.236	-0.092	0.228	-0.263	-0.326	-0.039	0.053
A001034_01	0.176	0.263	0.029	-0.263	0.076	0.096	0.172	0.208
A001035_01	-0.307	-0.236	-0.106	-0.029	-0.094	-0.097	-0.025	0.081
A001036_01	0.168	0.123	-0.516	-0.521	0.036	0.051	-1.031	-0.464
A001041_01	0.042	0.214	-0.038	0.365	0.027	0.35	-0.048	0.102
A001042_01	-0.078	0.2 NA		0.452	-0.422 NA		0.22	0.543
A001043_01	0.238	0.346	0.016	-0.196	-0.168	0.456	-0.122	0.093
A001044_01	-0.406	-0.085 NA		NA	0.356	0.575	-0.435 NA	
A001045_01	-0.085	0.12	-0.011	-0.077	-0.093	0.146	-0.074	-0.017
A001048_01	0.32	0.492	0.177	-0.304	0.164	0.239	-0.101	0.042
A001052_01	-0.244	-0.376	-0.733	-0.14	-0.122	-0.287	-0.273	-0.238
A001053_01	-0.067	0.026	-0.204	0.076	0.004	0.071	-0.036	0.054
A001056_01	0.249	0.545	0.311	0.189	-0.135	-0.015	-0.418 NA	
A001059_01	0.005	0.244	-0.248	-0.218	-0.61	0.007	0.157	0.254
A001071_01	0.033	0.344	-0.043	0.526	-0.026	0.496	-0.363	0.233
A001077_01	0.743	0.818	0.01	0.111	-0.099	0.498	-0.14	0.114
A001082_01	0.399	0.378	-0.358	-0.066	-0.052	0.292	-0.092	0.075
A001086_01	-0.527	-0.777	-0.579	-0.19	-0.183	-0.438	0.037	-0.048
A001087_01	0.027	0.057	-0.896	-1.066	-0.278	0.335	-0.223	-0.091
A001088_01	-0.008	0.169	-0.115	0.395	0.083	0.148	-0.15	0.128
A001089_01	-0.41 NA		NA	-0.492 NA		NA	-0.134	0.11
A001090_01	0.291	0.538	0.036	0.029	0.196	0.229	0.035	0.146
A001091_01	-0.118	-0.006	-0.084	-0.272	0.144	0.22	0.153	0.154
A001092_01	0.256	0.409	-0.144	-0.489	-0.038	0.348	0.004	0.062
A001093_01	-0.097	-0.199	0.156	-0.214	0.428	0.35	-0.124	0.03
A001095_01	0.166	0.306	-0.488	-0.348	-0.238	0.11	-0.068	-0.088

A001098_01	0.356	0.552	0.633	1.041	0.011	-0.198	-0.089 NA	
A001099_01	-1.225	-1.404	-0.377	0.233 NA		-1.955	-0.365	-0.141
A001100_01	0.074	0.542	0.483	0.12	0.168	0.273	0.168	0.435
A001102_01	-0.394	-0.289	0.019	0.244	-0.319	-0.42	-0.163	0.089
A001103_01	-0.729	-0.776	-0.348	-0.388	-0.452	-0.558	-0.13	0.051
A001105_01	0.492	0.493	0.107	-0.039	0.25	0.597	0.449	0.331
A001106_01	0.099	0.098	0.168	0.505	0.061	0.419	0.278	0.116
A001107_01	0.284	0.295	0.163	0.055	0.21	0.558	0.378	0.449
A001113_01	-0.468	-0.573	-0.88	0.15	-0.305	-0.311	-0.42	-0.224
A001115_01	-1.552	-1.962	-1.229	-1.185	-1.709	-2.42	-1.034	-0.875
A001121_01	0.574	0.562	0.358	0.446	0.348	0.487	0.257	0.094
A001122_01	-0.501	-0.108	-0.36	0.001	-0.133	0.07	-0.194 NA	
A001126_01	0.305	0.33	-0.447	0.168	-0.011	0.216	-0.185	-0.085
A001127_01	0.022	0.234	0.088	-0.234	0.244	0.354	-0.042	0.06
A001128_01	-0.019	0.004	0.115	0.44	-0.015	0.022	0.17	0.254
A001129_01	-2.308	-2.653	-1.133	-0.944	-1.35	-1.934	-1.109	-0.888
A001131_01	-0.284	-0.031	0.09	0.493	-0.088	-0.035	-0.126	0.053
A001134_01	-0.331	0.051	0.174	0.088	-0.085	-0.082	-0.267 NA	
A001135_01	-0.099	-0.022	-0.14	0.681	0.102	0.062	-0.05	0.074
A001136_01	0.309	0.502	0.004	0.037	0.263	0.541	-0.18	0.03
A001137_01	-0.18 NA		-0.414	0.136	-0.281 NA		-0.17	0.238
A001138_01	-0.094	-0.299	-0.361	0.067	-0.155	-0.154	-0.076	-0.046
A001140_01	-0.286	0.194	-0.157	-0.213	-0.245	0.091	-0.009	0.104
A001141_01	0.361	0.607	-0.033	-0.491	0.035	0.397	0.167	0.251
A001142_01	0.007	-0.253	-0.417	-0.326	0.029	0.326	-0.195	-0.21
A001144_01	-1.691	-2.082	-0.875	-0.53	-3.068	-3.818	-4.025	-2.784
A001146_01	-0.053	0.175	-0.28	-0.189	-0.013	-0.031	-0.161	-0.152
A001147_01	-0.211	-0.117	-0.476	0.038	0.196	0.198	-0.182	-0.044
A001153_01	-0.033	0.187	0.377	0.174	-0.006	0.309	0.27	0.407
A001154_01	-0.141	0.029	-0.453	-0.024	0.049	0.203	-0.312	-0.13
A001155_01	0.708	0.566	1.377	1.55	0.424	0.367	0.2	0.169
A001159_01	-0.33	-0.006	-0.026	0.516	-0.589	-0.341	0.109	0.436
A001163_01	0.508	0.308	0.278	0.581	0.621	0.672	-0.099	-0.098
A001165_01	0.165	0.503	0.436	0.783	0.03	0.167	-0.135	0.151
A001166_01	-0.57	-0.472	0.318	0.321	-0.531	-0.524	0.072	0.147
A001169_01	-0.387	-0.436	-0.653	-0.13	0.04	0.05	-0.065 NA	
A001180_01	-0.08	0.223	0.159	-0.456	0.074	0.188	0.038	0.083
A001181_01	-0.077	0.048	0.04	0.082	-0.14	-0.252	-0.313 NA	
A001184_01	0.312	0.206	-0.095	-0.128	-0.104	0.064	-0.234	-0.088
A001186_01	0.273	0.298	-0.061	0.349	0.189	0.289	0.177	0.315
A001187_01	0.57	0.801	0.39	-0.011	-0.024	0.451	0.119	0.459
A001188_01	-0.697	-0.701	-0.764	-0.895	-0.28	-0.343	-0.226	-0.087
A001189_01	0.463	0.323	0.478	-0.22	0.362	0.456	0.434	0.435
A001190_01	0.349	0.423	-0.004	0.208	0.033	0.09	-0.124	0.066
A001197_01	0.427	0.713	-0.073	-0.762	0.193	0.646	0.083	0.135
A001199_01	-0.572	-0.503	0.056	0.035	-0.102	-0.003	0.09	0.167
A001207_01	-0.079	-0.009	-0.15	0.022	-0.082	0.094	-0.013	0.023
A001209_01	-0.028	0.086	-0.339	-0.42	-0.297	-0.036	0.647	0.61
A001210_01	0.267	0.582	0.02	0.385	0.05	0.282	0.003	0.211
A001211_01	-0.328	-0.085	-0.206	-0.108	0	-0.03	-0.253 NA	
A001212_01	0.901	0.959	0.022	0.487	0.126	0.587	-0.134	0.041
A001215_01	0.544	0.575	0.123	-0.415	-0.232	-0.103	0.231	0.15
A001216_01	-1.523	-1.522	-1.373	-1.152	-0.401	-0.351	-1.079	-0.809
A001217_01	-0.182	-0.391	0.023	0.168	-0.4	-0.206	-0.379	-0.152
A001218_01	-0.59	-0.407	-0.278	-0.085	-0.105	-0.086	-0.32	-0.069
A001219_01	-0.632	-0.298	-0.76	0.007	-0.204	0.057	-0.222	0.126
A001222_01	-0.114	0.005	0.258	0.408	-0.025	-0.093	0.352	0.454
A001223_01	0.609	0.953	0.112	0.415	-0.146	0.263	-0.195	0.042
A001227_01	-0.533	-0.195	-0.297	-0.443	-0.015	0.261	0.309	0.328
A001229_01	0.377	0.402	0.469	0.588	0.16	0.046	0.43	0.316
A001230_01	-0.199	0.134	0.082	0.391	-0.197	-0.283	-0.567	-0.062
A001231_01	-0.355	-0.102	-0.264	0.252	-0.354	-0.283	-0.253	0.098
A001232_01	-0.257	-0.037	-0.406	0.331	-0.353 NA		-0.043	0.177
A001234_01	0.137	0.116	-0.241	0.179	-0.291	-0.119	-0.147	-0.086
A001235_01	0.299	0.549	0.41	0.159	0.34	0.382	0.417	0.305
A001237_01	-0.304	-0.329	0.072	0.105	-0.044	-0.064	-0.044	0.085
A001240_01	-0.056	0.372	0.461	0.464	0.13	0.325	-0.114 NA	
A001241_01	0.051	0.226	0.176	0.175	-0.116	-0.018	0.016	-0.035

A001242_01	-2.9	-2.926	-1.114	-0.255	-3.944	-4.401	-2.753	-2.243
A001244_01	0.046	0.023	0.212	-0.069	0.272	0.275	0.02	-0.048
A001245_01	0.015	0.118	-0.162	-0.34	0.039 NA		-0.246 NA	
A001246_01	0.156	0.098	-0.045	-0.216	0.192	-0.053	-0.085	0.186
A001247_01	0.499	0.736	0.697	0.653	0.41	0.804	0.206	0.489
A001248_01	-0.133	-0.512	-0.474	-0.719	-0.403	-0.553	-0.11	-0.118
A001250_01	0.602	0.983	0.854	0.698	0.336	0.371	0.032	0.405
A001251_01	-0.634	-0.509	0.008	0.083	-0.139	-0.239	-0.044	0.146
A001254_01	0.545	0.522	0.22	0.88	0.519	0.553	0	0.201
A001255_01	0.028	0.204	-0.054	0.166	-0.202	-0.017	-0.131	0.15
A001257_01	-0.461	-0.232	-0.19	0.154	-0.152	-0.099	0.036 NA	
A001260_01	0.126	0.297	0.228	0.408	-0.111 NA		0.208	0.243
A001261_01	-0.791	-1.057	-0.927	-1.234	-0.542	-0.672	-0.795	-0.571
A001263_01	-0.194	-0.006	0.391 NA		-0.67	-0.591	-0.596 NA	
A001273_01	-0.268	-0.204	-0.339	-0.293	-0.077	-0.194	-0.115	0.094
A001281_01	0.202	0.105	-0.46	-0.281	0.151	0.122	-0.404	-0.193
A001283_01	-0.12	-0.39	0.005	0.225	0.103	0.032	-0.035	0.092
A001284_01	-0.201	-0.284	-0.125	-0.395	0.121	0.16	0.008	0.065
A001285_01	-0.225	-0.341	-0.017	-0.315	0.04	0.057	0.139	0.11
A001289_01	-0.061	0.062	-0.151	0.083	-0.459	-0.458	-0.227	0.104
A001291_01	0.429	0.37	0.226	0.282	-0.72 NA		-0.389	-0.038
A001293_01	0.003	-0.198	-0.181	0.342	0	-0.213	0.012	-0.098
A001296_01	0.091	0.351	0.328	-0.002	0.337	0.351	0.109	0.232
A001297_01	-0.118	-0.211	-0.003	-0.188	0.109	-0.012	0.197	0.096
A001298_01	-0.29	-0.379	0.17	0.018	-0.376	-0.648	0.258	0.188
A001299_01	-1.177	-1.693	-1.233	-1.091	-0.465	-0.786	-0.723	-0.589
A001302_01	-0.831	-0.754	0.358	0.568	-0.786	-0.98	0.196	0.222
A001303_01	0.194	-0.03	0.151	0.177	0.363	0.365	0.041	0.061
A001306_01	-0.566	-0.212	-0.137	-0.104	-0.151	-0.048	-0.143 NA	
A001308_01	-0.374	-0.376	-0.155	0.055	0.049	0.138	-0.215	-0.089
A001309_01	-0.526	-0.375	-0.308	-0.052	-0.137	-0.17	-0.051	0.053
A001311_01	0.335	-0.005	-0.035	-0.202	0.039	0.034	0.063	0.125
A001317_01	-0.064	0.01	0.184	0.194	0.127	0.054	-0.025 NA	
A001318_01	-0.929	-0.757	-0.624	-0.313	-0.418	-0.449	0.335	0.42
A001324_01	-0.121	0.119	-0.017	-0.316	0.27	0.26	-0.173 NA	
A001325_01	-0.294	-0.12	0.215	0.213	0.126	-0.007	0.046	0.122
A001326_01	0.312	0.501	0.248	0.238	0.218	0.24	0.19	0.205
A001329_01	0.342	-0.1	-0.016	-0.219	0.281	0.227	0.296	0.194
A001331_01	0.049	0.381	0.088	-0.205	0.231	0.434	-0.099	0.006
A001332_01	0.027	0.142	-0.273	0.063	-0.199	-0.163	-0.258	-0.325
A001333_01	-0.404	-0.396	-0.446	-0.053	-0.219	-0.199	-0.159	-0.02
A001334_01	0.211	0.235	0.175	-0.095	0.202	0.329	0.198	0.086
A001339_01	-0.238	-0.303	-0.805	-0.771	-0.027	0.028	-0.517	-0.452
A001340_01	0.347	0.641	-0.443	0.025	-0.326	0.167	-0.159	-0.026
A001345_01	0.217	-0.005	0.265	-0.189	0.011	-0.111	0.047	-0.046
A001347_01	0.146	0.459	0.289	0.139	0.23	0.261	-0.04 NA	
A001348_01	0.104	-0.133	-0.215	-0.052	0.072	0.018	-0.023	-0.027
A001350_01	-0.147	-0.142	-0.384	-0.14	-0.012	0.094	0.308	0.36
A001351_01	-0.12	-0.239	-0.316	0.604	-0.242	-0.255	-0.373	-0.26
A001352_01	-0.293	0.388 NA		NA	-0.414	-0.052	-0.312 NA	
A001353_01	-0.177	-0.202	-0.098	0.066	-0.142	-0.062	-0.122 NA	
A001355_01	0.037	-0.222	-0.689	-0.332	-2.033	-2.624	-2.375	-1.659
A001356_01	0.405	0.385	-0.167	0.12	0.058	0.137	-0.147	-0.176
A001357_01	0.356	0.449	0.731	1.023	0.375	0.334	-0.392	-0.29
A001358_01	0.132	0.113	0.123	-0.069	-0.219 NA		0.269	0.137
A001360_01	0.173	0.194	0.134	0.264	-0.213	-0.118	-0.357	-0.101
A001363_01	0.082	0.217	-0.546	0.028	0.062	0.114	-0.247	-0.153
A001369_01	-0.943	-1.011	-1.081	-0.213	-1.046	-1.294	-0.915	-0.551
A001374_01	0.73	0.599	-0.281	0.2	-1.593	-2.271	-1.827	-1.564
A001375_01	-0.155	-0.091	-0.847	-0.516	-0.176	0.014	-0.469	-0.366
A001376_01	0.623	0.613	0.292	-0.259	0.336	0.52	0.089	0.066
A001378_01	0.114	0.282	-0.172	0.409	0.062	0.249	0.232	0.237
A001380_01	0.196	0.121	0.421	0.498	0.252	-0.029	0.287	0.267
A001387_01	0.162 NA		0.267	0.188	-0.393 NA		0.063	0.112
A001389_01	-0.516	-0.597	-0.13	-0.052	-0.039	-0.273	-0.028	-0.152
A001390_01	0.129	0.103	0.088	0.122	0.09	-0.067	-0.178	-0.183
A001392_01	-0.519	-0.523	0.086	-0.354	-0.542	-0.371	-0.168	0.064
A001396_01	0.344	0.212	-0.246	-0.18 NA		NA	0.332	0.226

A001399_01	0.216	0.162	0.118	-0.058	0.21	0.086	0.2	0.078
A001400_01	0.134	-0.044	-0.183	-0.041	0.089	0.026	-0.095	-0.151
A001401_01	0.425	0.395	0.088	-0.044 NA		0.202	-0.099	0.059
A001409_01	0.155	0.379	0.152	0.491	0.338	0.364	0.271	0.359
A001410_01	-0.46 NA		-0.083	0.32	-0.346	0.405	0.222	0.41
A001411_01	0.391	0.407	0.308	0.489	0.046	0.15	0.362	0.369
A001412_01	0.15	0.025	0.127	-0.279	-0.177	-0.29	0.102	-0.184
A001417_01	-0.03	0.374	0.116 NA		-0.022	0.235	0.028 NA	
A001418_01	0.772	0.811	0.36	0.56	0.162	0.344	0.275	0.135
A001420_01	0.445	0.506	0.098	0.341	-0.304	-0.371	-0.436	0.018
A001421_01	0.414	0.349	-0.065	-0.463	-0.051	0.439	0.125	0.336
A001426_01	0.585	0.531	0.123	-0.907	0.052	0.259	0.201	0.086
A001428_01	-0.145	-0.347	-0.36	-0.314	-0.068	-0.207	0.148	0.069
A001429_01	0.433	0.476	0.64	0.856	-0.314	-0.445	-0.063	0.092
A001432_01	0.744	0.832	0.395	0.22	-0.139	0.181	0.347	0.381
A001435_01	-0.262	-0.553	-0.814	-0.854	-0.341	-0.541	-0.953	-0.716
A001436_01	0.034	0.188	0.627	0.241	0.204	0.073	0.575	0.528
A001441_01	-0.595	-0.753	0.063	-0.692	-0.069	-0.139	0.215	0.121
A001442_01	0.416	0.091	0.1	-0.173	-0.028	0.092	0.171	-0.004
A001445_01	0.009	0.062	0.086	0.534	0.053	0.117	0.075	0.041
A001446_01	-0.047	-0.057	0.229	0.26	0.025	-0.16	0.009	0.016
A001448_01	-0.162	-0.053	-0.157	0.355	0.054	-0.038	-0.02	-0.008
A001449_01	0.367	0.764	-0.048	-0.035	-0.079	0.442	0.027	0.153
A001451_01	0.335	0.297	0.918	0.685	0.208	0.394	0.322	0.474
A001452_01	0.258	0.438	-0.036	0.189	-0.263	0.167	0.091	0.278
A001455_01	0.586	0.78	-0.035	0.366	-0.074	0.071	-0.239	-0.067
A001457_01	0.204	0.346	0.291	0.094	-0.004	-0.049	0.197	0.052
A001458_01	0.014	0.401	0.217	-0.103	0.108	0.027	-0.049	0.09
A001460_01	0.431	0.898	0.178	0.259	0.095	0.539	-0.221	0.241
A001461_01	0.62	0.777	0.098	-0.336	0.089	0.391	-0.023	0.107
A001465_01	0.058	0.023	-0.258	-0.027	0.019	0.008	0.059	-0.07
A001468_01	0.636	0.452	0.053	0.14	0.258	0.502	0.171	0.174
A001471_01	-0.554	-0.566	-0.115	0.487	-1.086	-1.523	-0.575	-0.327
A001472_01	-0.453	-0.528	-0.736	-0.501	-0.05	-0.045	-0.152	-0.143
A001474_01	-0.07	0.045	-0.165	-0.02	0.096	0.116	0.011	0.192
A001477_01	-1.27	-1.147	-0.553	-0.564	-0.357	-0.413	0.147	0.299
A001480_01	-0.373	0.397	0.075	0.449	-0.216	0.206	-0.121	0.233
A001481_01	-0.821	-0.485	-0.57	-0.306	-0.211	0.138	-0.214	-0.018
A001487_01	0.06	0.084	0.225	-0.419	0.01	0.005	0.055	0.065
A001488_01	0.251	0.273	-0.391	-0.673	0.13	0.187	-0.04	-0.145
A001490_01	0.385	0.458	0.081	-0.395	0.154	0.263	0.164	0.314
A001495_01	0.504	0.57	-0.151	0.158	0.147	0.31	-0.075	-0.048
A001496_01	-0.127	0.036	-0.128	0.724	0.109	0.162	-0.074 NA	
A001507_01	-0.439	-0.568	-0.153	0.096	-0.345	-0.517	-0.024	-0.081
A001511_01	-0.465	-0.07	-0.098	-0.207	-0.192	-0.179	-0.292	-0.136
A001513_01	0.391	0.794	0.163	-0.517	0.214	0.23	0.002	0.182
A001516_01	-0.155	-0.027	-0.255	0.229	-0.577	0.093	-0.268	0.055
A001518_01	0.165	0.249	0.276	1.117	-0.578	-0.96	-0.36	-0.062
A001529_01	0.214	0.429	0.144	-0.067	-0.049 NA		0.099	0.406
A001536_01	0.394	0.505	-0.012	-0.056	0.071	0.149	-0.048	0.038
A001537_01	0.788	1.001	0.034	-0.128	-0.158	0.391	0.127	-0.056
A001553_01	0.518	0.556	-0.026	-0.24	-0.032	0.364	-0.052	-0.004
A001558_01	0.04	-0.199	-0.377	0.067	0.042	-0.181	-0.084	-0.113
A001559_01	-0.032 NA		-0.213	0.204	-0.227 NA		0.267	0.251
A001566_01	0.421	0.614	-0.229	0.169	-0.111	-0.094	-0.235	0.072
A001567_01	0.624	0.423	-0.102	-0.259	0.406	0.613	-0.127	-0.237
A001568_01	-0.005	0.092 NA		NA	-0.109	0.02	-0.559 NA	
A001573_01	-0.245	-0.032	-0.026	0.455	-0.047	-0.132	-0.23 NA	
A001578_01	-0.477	-0.6	-0.023	-0.005	-0.316	-0.439	-0.218	-0.039
A001586_01	-0.223	0.048	-0.413	0.731	-0.104	0.112	0.054	0.391
A001593_01	0.454	0.787	0.652	0.323	0.059	0.462	0.42	0.788
A001595_01	-0.301	-0.281	-0.014	0.158	-0.242	-0.296	0.01	0.192
A001601_01	0.005	0.235 NA		NA	-0.194	0.139	-0.221 NA	
A001602_01	-0.04	0.168	0.041	0.131	-0.116	-0.082	-0.227 NA	
A001604_01	0.311	0.495	0.418	0.192	0.09	0.153	0.174	0.199
A001605_01	-0.183	-0.041	0.203	-0.124	-0.163	-0.051	0.035	0.118
A001606_01	0.126	0.231	0.361	-0.102	-0.035	0.282	0.289	0.37
A001609_01	-0.671	-0.622	-0.281	-0.387	-0.319	-0.232	-0.037	-0.066

A001610_01	0.193	0.244	-0.016	-0.541	0.2	0.379	-0.087	-0.029
A001611_01	0.095	0.553	-0.137	-0.185	-0.006 NA		-0.126	0.097
A001612_01	-1.203	-1.111 NA		-1.781	-0.809	-1.109	-2.062	-1.321
A001613_01	0.032	0.085	0.334	0.304	-0.193	-0.132	-0.085	-0.021
A001619_01	0.594	0.788	0.879	0.633	0.243	0.405	0.334	0.32
A001621_01	-0.074	0.199 NA		0.364 NA	NA		-0.502 NA	
A001624_01	-0.106	0.174 NA		0.092	-0.146	0.284	-0.543 NA	
A001631_01	0.662	0.56	1.959	2.013	1.147	1.049	0.371	0.402
A001645_01	0.035	0.221	0.381	0.126	-0.129	-0.126	0.02	0.148
A001651_01	0.023	0.088	-0.401	0.253	-0.079	-0.2	-0.496	-0.169
A001652_01	0.146	0.369	-0.267	0.012	0.175	0.483	0.115	0.304
A001663_01	-0.586	-0.094	-0.14	0.214	0.048	0.348	0.377	0.514
A001664_01	-0.631 NA		-0.107	0.655	-0.199 NA		0.343	0.516
A001670_01	0.034	0.469 NA	NA		-0.374	-0.055	-0.288	0.279
A001671_01	-0.482	-0.451	0.226	-0.025	-0.067	0.031	-0.049	0.188
A001675_01	-0.301	-0.298	0.197	0.475	-0.276	-0.299	0.071	0.039
A001677_01	-0.001	0.285	0.047	0.335	-0.145	0.194	-0.182	0.144
A001678_01	0.152	0.222	-0.221	0.426	0.007	0.384	-0.142	0.14
A001679_01	0.506	0.099	0.731	1.12 NA		-0.414	0.141	0.091
A001681_01	0.039	0.042	0.018	-0.002	0.044	-0.134	-0.225	-0.113
A001683_01	0.097	0.37	-0.051	0.384	0.003	0.118	-0.157	0.013
A001693_01	0.528	0.54	0.202	-0.15	-0.058	0.27	-0.03	0.174
A001695_01	0.037	0.486	-0.197	-0.079	-0.143	0.13	-0.132	-0.005
A001696_01	-0.23 NA		-1.083	0.244	-0.301	0.073	-0.501 NA	
A001697_01	-0.995	-0.915	-0.689	-0.435	-0.553	-0.583	-0.334 NA	
A001711_01	-0.244	-0.092	-0.035	0.208	0.102	-0.058	-0.161	0.068
A001717_01	0.117	0.14	0.194	0.536	0.183	0.132	-0.263	-0.097
A001719_01	-0.334	-0.306	-0.184	0.092	-0.439	-0.323	-0.07	0.01
A001720_01	-0.014	-0.129	-1.499	-0.592	-2.545	-3.154	-2.836 NA	
A001728_01	-0.034	-0.007	-0.039	-0.043	-0.107	-0.168	0.005	0.161
A001736_01	-0.086	-0.23	-0.327	0.072	0.205	0.221	0.197	0.242
A001740_01	-0.194	-0.026	0.092	0.188	-0.138	-0.058	0.035	0.086
A001745_01	0.097	0.107	-0.461	0.773	-0.397	-0.436	-0.733 NA	
A001748_01	0.277	0.452	-0.424	-0.015	-0.081	0.621	-0.239	0.315
A001750_01	-0.454	-0.359	-0.418	0.065	-0.026	-0.032	-0.37	-0.059
A001756_01	-0.326	-0.064	-0.159	0.45	-0.003	0.029	-0.135	0.338
A001757_01	-0.319	-0.188	-0.041	0.318	0.009	0.08	0.029	0.141
A001758_01	0.22	0.343	0.095	0.534	-0.403 NA		-0.202	0.02
A001760_01	0.096	0.332	-0.683	0.115	-0.181	-0.127	-0.352	-0.109
A001770_01	-0.967	-0.937	-0.489	-0.314	-0.369	-0.182	-0.269	0.197
A001773_01	-0.37	-0.358	-0.158	-0.455	0.405	0.328	-0.017	-0.145
A001779_01	0.092	0.16	-0.358	0.465	-0.071	-0.18	-0.498	-0.046
A001783_01	0.068	0.517	-0.117	0.095	-0.093 NA		0.015	0.103
A001785_01	-0.449 NA		-0.408	-0.262	-0.164	0.011	-0.34 NA	
A001789_01	-1.639	-1.386	-0.823	-0.496	-0.526	-0.3	-0.203	0.023
A001790_01	-1.462	-1.302	-0.57	-0.664	-0.611	-0.37	-0.154	0.008
A001791_01	0.453	0.58	0.281	0.159	0.021	0.287	-0.073	0.129
A001800_01	-0.512 NA		-0.985	-0.707	-0.451 NA		-1.305 NA	
A001801_01	0.028	-0.032	-0.154	-0.191	-0.301	-0.246	-0.264	-0.019
A001803_01	0.153	0.283	0.387	0.236	-0.171	0.038	-0.197	-0.024
A001804_01	-0.05	0.016	0.104	-0.049	-0.072	-0.171	-0.082	-0.033
A001807_01	-0.49 NA		-0.229	-0.109	-0.319 NA		-0.223	-0.027
A001819_01	-0.426	-0.248 NA		0.347	-0.34	-0.433	-0.254	0.058
A001826_01	-0.042	-0.24	-0.284	0.054	0.102	-0.222	-0.235	-0.295
A001827_01	-0.147	0.252	0.068	-0.185	0.124	0.626	0.104	0.274
A001833_01	-0.123	0.089	-0.058	0.083	-0.228	0.136	-0.12	0.063
A001838_01	0.151	0.233	0.08	0.026	-0.081	-0.223	-0.259	0.065
A001842_01	0.874	0.891	-0.071	0.746	0.21	0.4	-0.699	-0.229
A001843_01	-0.173	-0.298	-0.097	-0.103	-0.234	-0.501	-0.416	-0.331
A001848_01	0.174	0.224	0.072	0.316	-0.04	0.07	-0.188	0.145
A001861_01	-0.046	-0.031	-0.316	-0.204	0.186	0.46	0.047	-0.032
A001864_01	0.118	0.168	-0.128	-0.412	0.219	0.166	0.018	0.137
A001865_01	-0.274	-0.222	-0.293	0.491	-0.071 NA		-0.081 NA	
A001867_01	-0.021	0.367	0.237	0.32	0.091	0.24	-0.014	0.236
A001868_01	-0.252	0.283	-0.471	0.32	-0.179	0.136	-0.237	0.291
A001869_01	0.134	0.02	-0.48	-0.204	-0.184	-0.078	-0.298	-0.054
A001870_01	0.117	0.447 NA		0.441	0.103 NA		-0.291 NA	
A001874_01	0.624	0.54	0.364	0.263	0.132	0.581	-0.1	0.121

A001880_01	-0.327 NA		-0.562	0.208	0.007	0.265	0.05	0.176
A001883_01	0.319	0.39	0.065	0.334	-0.013	0.026	-0.154	-0.182
A001884_01	0.28	0.363	0.273	0.45	-0.07	-0.004	-0.104	-0.142
A001886_01	-0.634	-0.344	-0.172	-0.101	-0.57	-0.669	-0.056	0.011
A001889_01	-0.237	-0.066	-0.322	-0.051	-0.284	-0.25	-0.247	0.132
A001894_01	0.754	0.627	-0.254	-0.051	0.062	0.353	-0.31 NA	
A001898_01	0.881	0.788	0.014	-0.21	-0.078	0.372	0.041	0.01
A001901_01	-0.42	-0.36	-0.2	0.004	-0.157	-0.111	-0.096	0.002
A001903_01	0.215	0.053	-0.338	0.242	0.13 NA		0.459	0.301
A001904_01	-0.154	-0.193	0.007	0.69	0.122	-0.253	-0.059	-0.191
A001912_01	-0.624 NA		-0.722	-0.644	-0.001 NA		-0.017	-0.006
A001913_01	-0.019	-0.107	-1.209	-1.736	-0.246	-0.122	-0.831	-0.617
A001915_01	0.182	0.121	-0.335	0	0.247	0.16	-0.102	0.046
A001917_01	-0.741	-0.701	-0.122	-0.214	-0.103	-0.136	-0.058	-0.019
A001918_01	0.266	0.426	0.472	-0.167	0.414	0.603	0.134	0.213
A001920_01	-0.242	-0.389	-0.022	0.148	0.043	-0.143	0.189	0.078
A001924_01	-0.299	-0.098	-0.031	-0.201	0.154	-0.122	-0.039	0.045
A001929_01	0.51	0.601	-0.165	-0.76	0.242 NA		0.023	-0.021
A001932_01	-0.438	-0.469 NA		NA	0.009 NA		0.055 NA	
A001934_01	-0.145	-0.142	0.347	-0.031	0.439	0.563	-0.029	0.02
A001936_01	0.398	0.398	0	0.436	-0.413	-0.444	-0.089	-0.086
A001937_01	0.433	0.305	-0.141	0.375	-0.451	-0.731	-0.845	-0.718
A001939_01	-0.272	-0.384	-0.4	0.226	-0.466	-0.195	0.148	0.281
A001945_01	-0.072	0.038	-0.025	0.318	0.085	0.186	0.049	-0.051
A001946_01	0.264	0.232	0.215	-0.045	0.3	0.406	-0.02	-0.017
A001952_01	0.02	-0.157	0.174	0.055	0.135	-0.165	0.129	0.012
A001957_01	-0.304 NA		0.272	-0.796	0.066 NA		0.847	0.744
A001958_01	-0.157	-0.166	-0.069	-0.384	0.465	-0.155	0.417 NA	
A001959_01	0.534	0.477	0.152	0.197	0.323	0.324	0.143	-0.002
A001961_01	0.093	0.191	-0.338	-0.609	0.22 NA		0.39	0.308
A001962_01	-0.317	-0.306	-0.021	0.277	0.109	-0.102	-0.125	-0.14
A001963_01	-0.367	-0.249	-0.05	0.101	-0.091	-0.174	-0.139	-0.123
A001964_01	-0.458	-0.296	-0.214	-0.173	-0.196	-0.31	-0.047	0.191
A001966_01	-0.134	-0.197	-0.298	0.156	0.028	-0.033	0.064	-0.057
A001967_01	0.154	0.164	0.263	0.082	-0.14	0.144	0.536	0.49
A001970_01	0.436	0.32	0.325	-0.034	-0.025	0.246	-0.004	-0.027
A001974_01	-0.391	-0.303	-0.108	0.099	-0.049	-0.223	-0.066	-0.009
A001975_01	-0.047	0.425	0.062	-0.194	0.244	0.151	0.028	0.071
A001979_01	-0.644	-0.159	0.215	0.075	-0.068	-0.083	-0.034	0.067
A001980_01	-0.464	-0.071	-0.211	0.334	0.43	0.966	0.326	0.486
A001984_01	0.078 NA		-0.047	-0.003	-0.138 NA		-0.169	-0.104
A001986_01	-0.514	-0.378	-0.165	-0.229	-0.122	0.034	-0.175	-0.066
A001988_01	0.058	0.194	-0.268	0.27	-0.08	0.259	0.337	0.552
A001990_01	0.186 NA		NA	0.195	0.213 NA		-0.232	0.034
A001996_01	-0.4	-0.4	-0.306	-0.303	-0.357	-0.576	-0.28 NA	
A001997_01	-0.25 NA		-0.414	-0.469	0.025 NA		0.291	0.291
A002002_01	0.867	0.82	0.247	0.202	0.154	0.357	0.152	-0.019
A002003_01	-0.089	0.039	0.22	-0.329	0.174 NA		0.159 NA	
A002008_01	-0.458	-0.163	-0.329	-0.017	0.255	0.572	-0.006	0.178
A002009_01	-0.564	-0.458	-0.14	-0.514	-0.178	0.04	-0.121	0.08
A002011_01	0.494	0.47	-0.409	-0.04	0.267	0.476	-0.003	0.019
A002013_01	-0.667	-0.505	-0.941	-0.809	-0.392	-0.196	-0.123	0.141
A002014_01	-0.406	-0.413	-0.376	-0.316	-0.18	-0.097	-0.232	-0.083
A002016_01	-0.168 NA		-0.713	-0.709	-0.162 NA		-0.164	0.083
A002017_01	-0.15	-0.205	-0.15	0.109	-0.269	-0.583	0.2 NA	
A002023_01	-0.279	-0.286	-0.349	-0.136	0.095	-0.007	0.145	-0.034
A002026_01	-0.15	-0.311	-0.684	0.257	-0.419	-0.525	-0.329	-0.275
A002031_01	-0.176	-0.204	-0.174	-0.413	-0.348	-0.366	-0.093	-0.114
A002032_01	0.062	-0.012	0.186	0.251	0.24	0.204	-0.032	0.008
A002033_01	-0.138	-0.143	0.314	-0.165	0.02	-0.047	0.106	0.134
A002035_01	-0.72	-0.606	-0.587	-0.208	-0.393	-0.309	-0.28	-0.205
A002037_01	-0.491	-0.079 NA		-0.057	-0.195	-0.165	-0.284	0.115
A002038_01	-0.269	-0.327	0.228	-0.168	-0.064	-0.138	0.117	0.039
A002045_01	-0.432	-0.126	0.286	0.514	0.738	1.01	1.018	0.866
A002050_01	-0.168	-0.095	0.021	-0.339	-0.211 NA		-0.134 NA	
A002052_01	0.508	0.244	0.231	0.306	0.325	0.246	0.06	0.029
A002054_01	-0.861	-0.757	-0.414	-0.032	-0.2 NA		-0.018	0.082
A002059_01	0.319	0.619	-0.2	-0.935	-0.162	0.158	0.152	0.159

A002061_01	0.276	0.217	-0.388	0.042	-0.013	0.265	-0.05	-0.115
A002062_01	-0.37	-0.251	0.174	-0.032	-0.349	-0.557	0.064	0.304
A002065_01	-0.069	0.078	-0.069	-0.022	-0.498	-0.245	-0.363 NA	
A002066_01	0.037	0.097	0.264	-0.115	-0.22	-0.329	-0.02	0.02
A002067_01	-0.481	-0.277	-0.135	-0.289	-0.026	0.003	-0.009	0.095
A002068_01	0.083	0.19	-0.38	-0.187	-0.111	-0.132	-0.155	-0.044
A002070_01	-0.52	-0.693	-0.921	-1.259	-0.525	-0.482	-0.552	-0.44
A002073_01	-0.127	-0.022	-0.162	-0.216	0.143	0.537	-0.314	-0.242
A002075_01	-0.123	-0.187	-0.145	0.028	-0.129	-0.018	0.23	0.186
A002076_01	-0.018	0.104	0.484	-0.05	0.192	0.191	0.408	0.37
A002079_01	-0.385	-0.235	-0.705	-0.253	-0.489	-0.68	-0.348	-0.194
A002080_01	0.059	0.175	-0.345	0.02	-0.127	-0.116	-0.176	0.048
A002081_01	0.298	0.295	0.245	0.78	0.48	0.488	0.392	0.222
A002082_01	0.027	-0.191	-0.507	-0.301 NA		-0.597	0.178	0.081
A002083_01	1.051	1.013	0.49	-0.007	0.297	0.084	0.373 NA	
A002085_01	-0.339	-0.397	-0.012	-0.209	-0.031	-0.06	0.196	0.198
A002086_01	0.185	0.071	-0.001	0.093	-0.123	-0.121	-0.002	0.075
A002087_01	-0.154	0.259	0.311	0.43	-0.567	-0.503	0	0.303
A002088_01	0.01	0.493	-0.116	0.023	0.538	0.906	0.246	0.462
A002089_01	-0.027	0.402	0.083	-0.3	0.011	0.193	-0.067 NA	
A002090_01	-0.076	0.063	-0.369	0.152	-0.026	-0.05	0.116	0.088
A002092_01	0.337	0.514	0.215	0.167	0.052 NA		0.265	0.271
A002094_01	-0.137	0.022	-0.319	0.123	-0.083	-0.081	-0.215	-0.098
A002096_01	0.21	0.214	0.057	-0.334	0.223	0.313	-0.034	0.047
A002102_01	-0.129	-0.135	-0.007	-0.598	-0.267	-0.208	0.634	0.599
A002103_01	0.159	0.146	0.019	-0.187	0.22	0.309	0.57	0.397
A002116_01	-0.05	-0.23	0.168	0.281	0.026	-0.138	0.196	0.101
A002117_01	0.32	0.423	0.27	-0.129	0.183	0.403	0.21	0.301
A002118_01	-0.119	0.192	0.194	-0.308	0.082	0.519	0.021	0.37
A002120_01	-0.4	-0.389	-0.624	-0.587	-0.314	-0.392	-0.718	-0.642
A002126_01	0.27	0.347	0.322	-0.015	0.556	0.722	0.528	0.502
A002130_01	0	0.119 NA		-0.225	0.081	0.039	0.147 NA	
A002138_01	-0.718	-0.304	0.389	0.293	-0.143	-0.031	0.259	0.477
A002142_01	-0.619	-0.435	-0.341	0.236	-0.203	-0.181	-0.361	-0.156
A002146_01	0.283	0.363	0.21	0.236	-0.13	0.165	0.096	0.105
A002147_01	0.327	0.552	0.218	0.188	0.239	0.33	0.023	0.087
A002148_01	0.237	0.315	0.522	0.196	0.333	0.354	0.105	0.168
A002149_01	-0.915	-0.988	-1.747	-1.57	-0.271	-0.387	-1.123 NA	
A002160_01	-0.407	-0.108	-0.378	-0.231	0.069	0.304	0.022 NA	
A002165_01	-0.488	-0.401	-0.054	-0.05	-0.373	-0.279	-0.37	-0.218
A002171_01	-0.061	0.13	0.211	0.534	-0.384 NA		0.006 NA	
A002175_01	0.061	-0.118	0.138	0.005	0.204	0.074	0.211	0.025
A002176_01	0.103	0.018	-0.4	0.073	-0.115	-0.123	-0.143	-0.112
A002178_01	0.077	0.089	-0.268	0.117	-0.07	0.293	-0.339	-0.195
A002180_01	-0.031	0.15	0.163	0.03	0.084 NA		0.176	-0.005
A002183_01	-0.163	-0.162	-0.358	0.527	-0.72	-1.099	-0.274	-0.187
A002184_01	-1.638	-1.552 NA	NA		-0.968	-0.959	-0.973 NA	
A002198_01	0.172 NA		-0.045	0.351	-0.313 NA		-0.167	-0.007
A002199_01	0.297	0.544	0.1	0.069	-0.191 NA		0.143	0.06
A002206_01	0.334	0.137	0.089	0.191	0.006	-0.057	0.026	0.008
A002210_01	0.625	0.651	0.319	0.484	0.435	0.712	0.262	0.235
A002214_01	0.077	0.198	0.104	0.104	0.182	0.215	-0.025	-0.136
A002218_01	0.34	0.045	0.727	0.822 NA	NA		0.275	0.306
A002220_01	-0.333	-0.442	-0.025	0.041	0.225	0.141	-0.27	-0.198
A002224_01	-0.654	-0.24	-0.887	-0.464	-0.404	-0.016	-0.561 NA	
A002230_01	-0.155	0.098	0.475	0.028	-0.313	-0.227	0.312	0.416
A002232_01	-0.488	-0.564	-0.086	-0.097	0.613	0.822	0.51 NA	
A002235_01	-1.066	-1.345 NA		-1.212	-0.907	-0.898	-1.023	-0.491
A002237_01	-0.112	-0.039	-0.139	0.205	-0.021	0.114	-0.078	0.025
A002243_01	0.026	0.156	-0.176	0.235	-0.004	0.351	0.11	0.129
A002244_01	-0.227	-0.29	0.174	0.04	0.222	0.274	0.282	0.176
A002246_01	0.212	0.13	-0.01	0.375	0.144	0.134	0.008	-0.096
A002258_01	0.371	0.568	0.42	0.55	0.383	0.725	0.579	0.498
A002259_01	-0.209	0.013	0.184	0.311	-0.099	-0.076	-0.229	0.102
A002260_01	0.12	0.232	0.049	-0.41	0.225	0.325	-0.01	0.124
A002266_01	0.123	0.395	0.091	-0.616	0.022	0.21	0.081	0.154
A002267_01	-1.243 NA		-1.077	-0.587	-0.298 NA		-0.027 NA	
A002272_01	-0.155	0.148	0.38	0.288	0.069	0.122	-0.02	0.117

A002283_01	-0.135	0.065	-0.48	0.517	0.083	0.043	-0.01	0.278
A002284_01	0.812	0.834	0.456	0.436	0.172	0.522	-0.027	0.162
A002285_01	-0.324	-0.415	-0.597	0.581	-0.341 NA		-0.517 NA	
A002294_01	-0.549	-0.572	-0.677	0.126	0.036	-0.165	-0.198	0.056
A002308_01	0.52	0.448	0.784	0.791	0.232	0.515	-0.173	0.031
A002329_01	0.121	0.127	-0.327	-0.08	0.203	0.201	-0.249	-0.03
A002330_01	0.414	0.468	-0.134	0.048	0.164	0.387	0.138	0.154
A002338_01	0.135	-0.012	0.13	0.333	0.175	0.057	0.081	0.138
A002345_01	0.171	0.237	-0.009	0.289	-0.026	0.24	-0.03	0.06
A002346_01	-0.291	-0.166	-0.845	-0.602	-0.117	-0.026	-0.628	-0.421
A002349_01	-0.983	-0.981	-1.146	-0.32	-0.68	-0.747	-0.65	-0.271
A002356_01	-0.16	-0.269	-0.588	0.317	-0.128	0.009	-0.277 NA	
A002359_01	0.556	0.633	-0.287	-0.592	0.309	0.427	0.019	-0.044
A002363_01	-0.476	-0.393	-0.027	-0.41	-0.041	-0.045	-0.437	-0.346
A002365_01	-0.116	0.209	0.097	-0.088	0.323	0.366	0.094	0.141
A002368_01	-0.105	0.102	0.117	-0.085	-0.035	0.085	0.018	0.13
A002369_01	-0.268	-0.143	0.303	0.473	0.092	0.034	0.099	0.177
A002370_01	0.211	0.633	0.346	0.085	-0.171	-0.03	-0.069	0.187
A002372_01	-0.154	-0.132	-0.233	0.377	-0.103	-0.155	-0.359	-0.068
A002374_01	-0.332	-0.387	-0.2	0.139	-0.259	-0.443	0.092 NA	
A002376_01	-0.466 NA		-0.874 NA		0.009 NA		-0.458 NA	
A002378_01	0.09	0.014	0.124	0.074	0.06	-0.005	-0.218	0.189
A002383_01	0.203	0.337	0.106	0.441	0.26	0.509	0.356	0.472
A002385_01	0.036	0.082	-0.157	0.454	-0.19	-0.046	-0.3 NA	
A002387_01	0.328	0.214	-0.138	0.1	0.044	0.162	-0.292	-0.273
A002390_01	-0.17	-0.041	-0.058	0.09	-0.215	-0.164	-0.139	0.071
A002393_01	-0.447	-0.525	-0.201	0.136	-0.253	-0.299	-0.171	-0.071
A002405_01	0.13 NA		-0.014	0.171	0.287 NA		-0.086	0
A002408_01	-0.89	-1.215	-0.854	-0.245	-0.462	-0.625	-0.35	-0.418
A002409_01	1.104	1.287	1.748	2.13	0.825	0.978	-0.373 NA	
A002412_01	0.068	0.185	-0.072	-0.139	0.1	0.305	-0.151	0.012
A002413_01	-0.043	0.301	-0.447	0.099	-0.21 NA		-0.145	0.117
A002417_01	-1.108	-0.897	-1.193	-0.356	-0.646	-0.47	-0.438	-0.005
A002418_01	1.076	0.875	1.232	1.832	0.972	0.727	-0.264	-0.263
A002425_01	-0.287	-0.046	-0.264	0.536	-0.181	-0.093	-0.175	0.212
A002429_01	0.051	0.266	0.227	0.527	0.118	0.179	-0.049	0.185
A002432_01	0.192	0.285	0.323	0.266	-0.081	-0.044	0.127	0.239
A002433_01	-1.031	-1.11	-1.831	-0.745	-2.852	-3.845 NA	NA	
A002437_01	-0.777	-0.797	-0.732	-0.397	-0.572	-0.697	-0.418	-0.356
A002441_01	0.426	0.444	-0.179	-0.388	-0.098	0.483	-0.072	0.058
A002454_01	-0.837	-0.615	-0.434 NA		-0.364	-0.289	-0.212	0.273
A002461_01	0.425	0.434	-0.014	0.226	0.167	0.392	0.009	-0.004
A002473_01	0.767	0.757	0.343	0.144	-0.217	0.347	-0.174	-0.055
A002476_01	-0.25	0.245	-0.329	-0.495	-0.278	0.43	-0.242	0.216
A002480_01	0.662	0.857	-0.133	0.119	-0.096 NA		-0.396 NA	
A002484_01	-0.13	-0.137	-0.238	0.142	-0.291	-0.374	-0.23	-0.079
A002488_01	0.65	0.547	0.159	0.134	-0.022	0.123	0.165	0.175
A002489_01	-0.266	0.101	-0.149	0.056 NA	NA		-0.217	-0.016
A002491_01	0.55	0.526	0.578	0.547	0.516	0.647	0.566	0.37
A002506_01	0.373	0.333	0.12	-0.391	0.151	0.326	0.215	0.208
A002514_01	-1.704	-1.633	-1.732	-1.209	-1.151	-1.206	-0.157	-0.041
A002522_01	-0.175	-0.276	-0.164	0.056	-0.092	-0.025	-0.225 NA	
A002523_01	0.121	0.324	0.025	0.318	0.01	0.251	0.158	0.23
A002525_01	-1.158 NA		0.395	0.303	-0.219 NA		0.602	0.34
A002534_01	0.015	-0.166	-0.35	0.052	-0.038	-0.473	-0.313	-0.238
A002535_01	-0.136	-0.037	-0.231	0.379	0.045	0.054	-0.327	0.182
A002537_01	-0.708	-0.359 NA		0.473	-0.168	-0.204	-0.092 NA	
A002539_01	0.332	0.42	0.219	0.244	0.33	0.912	0.949	0.773
A002540_01	0.011	0.172	0.136	0.554	-0.076	-0.017	-0.159	0.06
A002542_01	0.03	0.135	-0.365	-0.097	-0.124	0.107	-0.517	-0.141
A002545_01	-0.075	-0.298	0.015	0.304	-0.114	-0.356	0.047	-0.056
A002557_01	-0.061	-0.168	-0.112	0.392	-0.189	-0.347	-0.16	0.007
A002558_01	0.116	0.01	0.152	0.116	0.214	0.145	0.229	0.18
A002560_01	-0.524	-0.098	-0.438	0.289	-0.058	-0.073	-0.147	0.065
A002561_01	-0.193	-0.24	0.125	0.171	0.065	0.012	0.161	0.148
A002562_01	-0.232	0.202	0.288	0.198	-0.246	-0.117	-0.026	0.364
A002580_01	-2.482	-2.039	-2.057	-1.856	-1.984	-1.81	-0.899	-0.548
A002588_01	0.491	0.483	0.344	0.186	0.082	0.093	0.384	0.331

A002592_01	0.211	0.334	-0.11	0.112	0.153	0.32	-0.002	0.107
A002599_01	-0.663	-0.582	-0.126	0.539	-0.501	-0.486	-0.116 NA	
A002608_01	-0.135	-0.172	-0.035	0.347	0.025	-0.039	0.319	0.15
A002609_01	-0.461	-0.275 NA		-0.328	-0.235	-0.207	-0.398	0.023
A002610_01	0.249	0.057	-0.136	0.317	-0.072	-0.121	-0.035	-0.12
A002618_01	0.365	0.421	0.376	0.836	0.51	0.614	0.526 NA	
A002623_01	0.164	0.428	0.075	-0.2	-0.156 NA		0.331	0.46
A002626_01	-0.141 NA		-0.202	0.209	-0.102 NA		-0.268	-0.097
A002632_01	0.044	0.141	-0.085	-0.082	-0.182	-0.058	0.025	0.164
A002634_01	-0.801	-0.821	-0.278	-0.283	-0.239	-0.075	-0.151	0.213
A002641_01	0.105	0.227	-0.431	0.072	0.015	0.151	-0.137	0.127
A002642_01	-0.183	0.028	-0.317	-0.034	0.046	0.074	-0.28 NA	
A002643_01	0.838	0.623	1.903	2.132	1.452	1.487	0.487	0.345
A002644_01	-0.107	0.059	0.031	-0.03	-0.133 NA		-0.096	-0.074
A002646_01	0.239	0.184	0.212	-0.306	0.127	0.15	0.048	-0.075
A002647_01	0.574	0.298	0.225	0.384	-0.231	-0.271	0.036	0.001
A002648_01	-0.309	-0.187	0.014	0.14	0.066	0.021	0.157	0.268
A002650_01	-0.01	-0.143	-1.008	-0.771	-0.099	0.086	-0.045	0.024
A002651_01	0.494	0.478	0.316	0.545	0.392	0.955	0.587	0.602
A002656_01	-0.171	-0.035	-0.068	0.131	-0.21	-0.299	-0.315	-0.193
A002658_01	0.341	0.412	0.204	0.138	0.008	0.144	-0.007	-0.054
A002659_01	-0.373	-0.002	-0.02	-0.02	-0.108	0.214	-0.005	0.367
A002660_01	0.441	0.421	0.503	0.288	-0.004	0.113	0.201	0.123
A002662_01	0.079	0.313	-0.052	0.177	-0.061	0.1	-0.072	0.029
A002672_01	-0.592	-0.3	-0.012	-0.167	-0.14	-0.028	-0.121	-0.058
A002674_01	-0.954	-0.951	-0.481	-0.025	-0.427	-0.652	0.017	0.045
A002675_01	-0.059	-0.017	0.119	-0.018	0.195	-0.029	0.055	-0.08
A002676_01	-0.291	-0.213	-0.223	-0.896	0.295	0.745	0.226	0.201
A002677_01	0.803	0.695	0.541	0.446	0.52	0.573	0.844	0.671
A002678_01	-0.458	-0.41	-0.131	-0.165	-0.252	-0.505	-0.098	0.033
A002692_01	-0.249	-0.266	0.003	0.266	-0.077	-0.144	0.151	0.083
A002695_01	-0.827	-0.465	-0.298	0.254	-0.423 NA		0.231	0.088
A002696_01	0.706	0.637	0.584	0.847	0.545	0.64	-0.044	-0.055
A002699_01	0.091	0.134	0.161	0.363	-0.029	0.044	-0.057	-0.032
A002702_01	-0.277	-0.407	-0.803	-0.258	-0.245	-0.216	-0.305	-0.263
A002703_01	-0.055	0.005	0.167 NA		0.077	-0.054	0.173	0.151
A002704_01	-0.519	-0.435	-0.091	0.103	0.07	0.029	0.178	0.28
A002706_01	0.128	0.111 NA		-0.196	0.047	0.119	-0.178 NA	
A002712_01	-1.031	-0.611	-0.083	-0.293	-0.553	-0.34	0.294	0.531
A002713_01	-0.263	-0.066	-0.104	0.245	-0.093	-0.254	0.067	-0.025
A002718_01	0.055 NA		-0.227	0.036	0.062 NA		0.013	-0.159
A002721_01	-0.241 NA		-0.228	0.257	-0.005 NA		0.121	0.061
A002724_01	-0.145	0.041	0.434	-0.246	-0.187	0.022	0.144	0.183
A002732_01	0.127	0.133	-0.17	-0.43	0.07	0.343	-0.112	-0.05
A002733_01	0.526	0.412	-0.392	0.173	-0.03	0.1	-0.165	-0.094
A002735_01	-0.373	-0.158	-0.06	0.03	-0.245	-0.187	-0.164	0.001
A002736_01	-0.038	0.108	0.148	0.523	0.102	0.036	0.001	-0.026
A002737_01	-0.345	0.037	-0.028	0.082	0.309	0.544	0.095	0.036
A002738_01	0.5	0.452	0.074	0.408	0.321	0.339	0.317	0.212
A002741_01	0.801	0.655	0.114	0.784	-0.182	-0.313	0.556	0.433
A002742_01	0.246	0.253	-0.278	-0.161	0.068	0.11	0.38	0.287
A002744_01	0.091	0.107	0.016	-0.123	0.165	0.196	0.175	0.022
A002750_01	0.083	-0.097	-0.16	-0.061	0.046	-0.008	0.085	-0.063
A002762_01	-1.28	-1.571	-1.16	-1.316	-0.534	-0.571	-0.583	-0.401
A002768_01	-0.244	0.058	-0.192	0.271	0.054	-0.103	-0.101	0.002
A002772_01	0.112	0.266	0.056	0.173	0	-0.002	-0.194	-0.201
A002773_01	-0.338	-0.135	-0.346	0.059	-0.031 NA		-0.077	0.002
A002774_01	-0.242	-0.196	-0.102	0.204	-0.156	-0.187	-0.071	-0.096
A002777_01	-0.184	-0.136	-0.197	0.121	0.05	-0.057	-0.039 NA	
A002779_01	0.063	-0.056	0.126	0.226	0.063	-0.105	0.334	0.259
A002780_01	-0.142 NA		-0.361	-0.029	-0.088	0.34	0.034	0.05
A002782_01	-0.504	-0.229	0.254	0.717	-0.459	-0.612	0.013	0.218
A002787_01	0.421	0.382	-0.225	0.129	-0.33	-0.194	-0.405	-0.221
A002788_01	-0.44	-0.522	-0.414	-0.541	-0.2	-0.271	-0.122	-0.142
A002793_01	-0.364	-0.389	-1.011	-0.877	-0.079	-0.26	-0.476	-0.369
A002795_01	-0.444	-0.504	-0.153	0.417	0.075	0.061	-0.125 NA	
A002797_01	0.543	0.408	0.175	-0.603	0.349	0.378	0.067	-0.002
A002798_01	-0.039	-0.034	-0.576	-0.764	0.237	0.333	0.02	-0.042

A002800_01	0.272	0.211	-0.031	-0.086	0.104	0.466	-0.238	-0.099
A002809_01	0.009	-0.109	0.077	0.148	0.112 NA		0.001	0.011
A002818_01	-0.929	-1.136	-1.131	-1.567	-0.728	-0.935	-0.897	-0.801
A002820_01	-0.103	0.304	-0.031	-0.071	-0.023	0.16	-0.204 NA	
A002822_01	-0.117	-0.19	0.033	0.174	-0.137	-0.114	-0.007	-0.061
A002823_01	0.073	0.078	-0.169	-0.254	0.169	0.05	-0.22	-0.256
A002830_01	0.205	0.184	-0.251	0.128	-0.128	0.054	-0.208	-0.184
A002834_01	-0.48	-0.649	-0.593	-0.4	-0.188	-0.067	-0.224	-0.142
A002838_01	0.271	0.518	0.258	0.364	0.342 NA		0.18	0.087
A002841_01	-0.063	-0.078	-0.163	0.028	-0.208	-0.299	-0.307	-0.335
A002842_01	0.259	0.232	0.37	0.594	-0.274	-0.484	-0.097	-0.098
A002851_01	-0.126	-0.233	-0.296	-0.369	0.142	-0.058	-0.049	-0.144
A002854_01	-0.764	-0.7	-1.399	-1.085	-0.177	-0.24	-0.609	-0.546
A002855_01	-0.277	-0.025	0.088	0.162	-0.091	-0.055	-0.074	-0.11
A002858_01	0.632	0.59	0.376	-0.107	0.175	0.098	0.12	0.009
A002863_01	-0.316	-0.35	-0.519	-0.202	0.149	0.397	0.143	0.111
A002866_01	-0.5	-0.164	0.285	0.404	-0.305	-0.282	0.021	0.228
A002869_01	-0.041	0.111	0.038	-0.32	0.387	0.456	-0.008	0.093
A002871_01	0.211	0.165	-0.044	-0.554	0.138	0.028	-0.271	-0.28
A002875_01	0.632	0.551	0.101	0.012	0.302	0.308	0.107	-0.133
A002881_01	0.223	0.385	-0.161	0.555	-0.103 NA		-0.113	-0.191
A002895_01	-0.43	-0.482	0.131	-0.201	-0.118	-0.413	0.14	0.135
A002896_01	-0.322	-0.083	-0.154	0.14	0.159	-0.203	-0.17	-0.011
A002898_01	-0.32	-0.189	-0.288	-0.366	-0.03 NA		-0.098	0.101
A002901_01	0.509	0.538	0.279	0.101	-0.081	0.529	-0.047	0.043
A002902_01	-0.112	-0.075	0.05	0.099	0.116	0.036	-0.166	-0.016
A002904_01	0.647	0.58	-0.008	-0.512	0.065	0.239	-0.092	-0.179
A002907_01	0.104	0.196	-0.126	0.192	0.076	0.081	0.159	0.163
A002908_01	-0.306	-0.133	0.092	0.201	0.012	-0.267	0.356	0.323
A002916_01	0.465	0.515	-0.018	-0.043	0.183	0.569	-0.048	0.176
A002917_01	0.362	0.424	0.861	1.209	0.971	1.078	0.256	0.249
A002919_01	0.054	0.059	-0.078	-0.111	-0.075	0.068	0.046	0.154
A002922_01	-1.167	-1.174	-0.458	-0.825	-0.273	-0.265	-0.136	-0.078
A002923_01	-0.528	-0.324	-0.231	-0.09	-0.457	-0.225	-0.326	0.169
A002934_01	0.062	0.103	-0.015	-0.626	-0.006	0.296	-0.021	0.087
A002939_01	0.015	0.067	-0.397	0.045	-0.105	0.042	-0.27 NA	
A002940_01	0.504	0.285	-0.008	0.324	0.273	0.3	0.284	0.234
A002946_01	0.265	0.04	-0.095	0.061	0.14	-0.229	0.269	0.199
A002950_01	-0.894	-0.833	-0.66	-0.236	-0.084	-0.161	0.031	0.226
A002952_01	-0.37	-0.116	0.384	0.374	0.047	0.106	0.142	0.23
A002955_01	0.314	0.603	0.555	0.202	0.073	0.312	0.369	0.124
A002958_01	0.537	0.73	0.136	-0.11	0.063	0.717	0.438	0.43
A002977_01	0.104	0.039	0.001	0.153	-0.095	-0.064	-0.076	-0.069
A002982_01	0.366	0.338	-0.004	-0.729	0.228	0.258	0.183	0.085
A002988_01	-1.433	-1.361	-1.004	-0.467	-0.946	-1.095	-0.261	0.232
A002991_01	-0.53	-0.56	0.302	0.587	0.226	0.217	-0.107	0.057
A002993_01	0.184	0.289	0.439	-0.238	-0.056	-0.103	0.12	0.123
A002997_01	-0.427	-0.088	-0.488	-0.439	-0.198	-0.341	-0.066 NA	
A002998_01	-0.061	0.031	-0.408	-0.161	-0.001	0.384	0.18	0.145
A002999_01	-0.459	-0.576	-0.718	-0.049	-0.412	-0.585	-0.882	-0.627
A003001_01	0.205	0.104	-0.053	0.098	-0.031	0.069	-0.064	-0.101
A003003_01	-0.296	-0.007	-0.039	-0.133	-0.183	-0.011	-0.049 NA	
A003004_01	-0.746	-0.683	-0.202	-0.029	-0.246	-0.103	0.119	0.03
A003006_01	0.269	0.206	-0.08	0.171	0.035	-0.136	0.057	0.023
A003011_01	-0.214	-0.179	0.268	0.17	0.02	0.022	0.06	0.045
A003012_01	-0.538 NA		-0.928	-0.419	-0.22 NA		-0.148	0.189
A003016_01	-0.304	-0.078	0.066	0.062	-0.16	-0.155	-0.102	-0.007
A003018_01	-1.605	-1.884	-1.387	-0.854	-0.809	-0.947	-0.595	-0.295
A003023_01	-0.06	-0.074	0.067	-0.51	0.052	0.191	0.117	0.02
A003024_01	-0.682	-0.462	0.426	0.101	0.112	0.112	0.374	0.41
A003029_01	-0.265	-0.229	0.098	0.172	0.021	-0.096	-0.185	0.018
A003034_01	0.247	0.302	0.64	0.433	0.067	0.145	-0.072	0.177
A003036_01	0.281	0.336	0.227	-0.011	0.191	0.494	0.236	0.407
A003037_01	-0.404 NA		-0.211	-0.216	-0.281 NA		-0.095	0.05
A003039_01	0.425	0.559	0.464	-0.41	-0.073	0.679	0.374	0.346
A003042_01	-0.396	-0.457	0.271	-0.06	-0.014	-0.019	0.086	0.172
A003045_01	0.831	0.858	0.247	0.593	0.112	0.075	-0.097	-0.025
A003050_01	0.087	-0.085	0.232	0.082	0.226	-0.044	-0.076 NA	

A003054_01	0.036	-0.172	-0.075	0.388	0.061	-0.092	-0.253	-0.305
A003055_01	-0.335	-0.433	-0.306	-0.074	-0.135	-0.317	0.058	0.14
A003056_01	0.112	0.043	-0.255	0.225	0.183	0.023	-0.137	-0.019
A003058_01	0.238	0.327	0.113	-0.205	0.128	0.165	-0.061	0.076
A003059_01	-0.564	-0.335	0.055	-0.032	-0.406	-0.202	0.124	0.303
A003060_01	-0.285	-0.332	-0.216	0.174	-0.005	0.09	0.556	0.533
A003070_01	-2.053	-2.176 NA	NA	NA	-1.877	-2.532 NA	NA	NA
A003078_01	0.28	0.472	0.182	0.252	-0.138	-0.071	-0.147	0.182
A003079_01	-0.087	-0.015	0.192	0.193	-0.084	-0.172	0.032	-0.008
A003084_01	0.199	0.338	0.423	0.817	0.544	0.696	-0.337	-0.125
A003092_01	-0.665 NA		-0.577	-0.08	0.102	0.029	-0.245 NA	
A003101_01	-0.963	-0.989	-0.784	-0.501	-1.173	-1.243	-0.776	-0.615
A003106_01	-0.28	-0.192	-0.125	0.124	-0.092	0.011	-0.188	0.055
A003107_01	0.536	0.565	0.585	0.435	-0.362	-0.441	0.416	0.434
A003109_01	0.163	0.539	0.823	0.262	0.251	0.386	0.499	0.425
A003110_01	-0.167	-0.028	0.078	-0.46	0.21	0.377	-0.025 NA	
A003112_01	-0.576	-0.605	-0.342	0.133	-0.212	-0.248	-0.088	0.034
A003113_01	0.051	0.082	-0.093	0.454	-0.006	-0.001	0.043	0.008
A003114_01	0.063	-0.132	0.136	-0.128	0.347	0.264	0.622	0.271
A003117_01	-0.189	-0.161	0.13	-0.193	0.022	-0.122	-0.12	-0.055
A003121_01	0.298	0.321	0.119	0.341	0.328	0.215	0.141	0.093
A003124_01	-0.091	0.062 NA		0.456	0.342	0.893	-0.338	0.054
A003130_01	0.702	0.741	0.3	-0.209	-0.012	0.692	0.033	0.099
A003131_01	0.1	0.452	0.229	0.002 NA	NA		0.1	0.078
A003134_01	-0.025	-0.055	0.162	0.02	-0.055	-0.155	-0.166	-0.054
A003137_01	-0.184	-0.124	-0.033	-0.02	0.03	-0.116	0.037	0.02
A003138_01	-0.177	-0.142	0.045	0.075	-0.11	0.021	-0.022	0.027
A003141_01	-1.013	-1.002	-0.745	-0.508	-0.355	-0.261	-0.11	0.011
A003148_01	0.069	-0.036 NA		-0.684	0.29	0.192	-0.537	-0.234
A003154_01	-0.013	0.063	0.171	0.053	-0.235	-0.201	-0.031	-0.011
A003164_01	0.145	0.132	-0.086	0.099	-0.186 NA		-0.011 NA	
A003170_01	-0.345	-0.214	-0.076 NA		-0.078 NA		-0.236 NA	
A003174_01	0.244	0.514	-0.152	-0.351	0.141	0.203	-0.075	-0.114
A003181_01	0.185	0.27	0.307	0.117	0.131	-0.07	0.09 NA	
A003184_01	0.597	0.719	0.276	0.165	0.227	0.46	-0.08	-0.045
A003186_01	0.846	0.807	0.689	0.836	0.867	0.769	0.206	0.199
A003189_01	-0.058	0.206	0.134	0.417	-0.027	0.151	0.069	0.115
A003190_01	0.091	0.249	0.2	0.357	0.129	0.125	0.143	0.18
A003194_01	-0.053	0.038	0.195	0.472	-0.175 NA		-0.119 NA	
A003197_01	0.151	0.159	-0.153	0.275	0.441	0.266	0.103	0.137
A003198_01	0.268	0.449	0.163	-0.042	0.179	0.311	-0.133	0.011
A003199_01	0.52	0.291	0.154	-0.123	0.143	0.089	0.046	0.02
A003207_01	-0.689	-0.615	-0.935	-1.469	-0.452	-0.53	-0.106	0.069
A003208_01	0.117	0.212	-0.005	0.119	0.198	0.335	0.183	0.221
A003209_01	-0.181	0.182	-0.149	0.291	0.219 NA		0.192	0.235
A003213_01	-0.045	0.069	-0.07	0.181	0.071 NA		0.017	0.048
A003214_01	0.234	0.021	0.293	0.429	0.12	-0.094	0.025	-0.075
A003217_01	-0.05	0.05	0.131	-0.015	0.167	0.263	0.325	0.149
A003222_01	-0.424	-0.147	0.463	0.506	-0.466	-0.188	0.24	0.323
A003235_01	0.104	0.129	0.015	0.027	0.015	0.428	0.007	-0.036
A003237_01	-0.371 NA		-0.027	0.857	0.344	0.691	0.828	0.755
A003242_01	-0.569	-0.667	-1.127	-1.584	-0.217	-0.489	-0.911	-0.776
A003245_01	-0.154	-0.251	-0.28	-0.233	-0.342	-0.273	-0.183	-0.269
A003250_01	0.497	0.735	0.643	1.022	0.317	0.309	0.395	0.375
A003252_01	-0.172	-0.295	-0.153	0.061	-0.071	-0.099	-0.263	-0.212
A003263_01	0.188	0.083	0.592	0.451	0.179	-0.037	0.451	0.195
A003264_01	0.556	0.333	0.249	-0.025	0.436	0.419	0.207	0.108
A003266_01	0.097	-0.035	-0.436	0.058	0.341	0.374	-0.402	-0.473
A003274_01	-0.014	0.053	-0.048	0.109	0.028	-0.164	-0.028	-0.036
A003276_01	0.598	0.432	0.429	0.264	0.243	0.306	0.303	0.161
A003277_01	-0.208	-0.261	-0.115	-0.067	-0.012	-0.178	-0.088	-0.144
A003278_01	0.213	0.346	-0.443	-0.042	0.106	-0.086	-0.169	-0.121
A003280_01	0.081	0.354	0.267	-0.219	0.047	0.382	0.172	0.198
A003286_01	-0.01 NA		-0.45	-0.109	-0.217 NA		-0.019	-0.09
A003287_01	-0.207	-0.258	-0.135	-0.71	0.214	0.269	0.211	0.121
A003291_01	0.959	0.818	0.482	0.001	0.292	0.568	0.479	0.281
A003294_01	-0.118	-0.145	-0.206	0.171	-0.254	-0.458	0.164	0.145
A003299_01	-0.025	-0.136	-0.457	-0.389	0.232	0.159	-0.239	-0.166

A003304_01	0.08	0.261	-0.138	0.004	0.028 NA		-0.029	0.04
A003311_01	0.68	0.426	0.294	0.196	0.137	0.27	-0.041	-0.124
A003317_01	0.102	0.252 NA		-0.554	-0.092 NA		0.149	0.206
A003329_01	-0.26	-0.216	-0.884	-0.364	-0.285	-0.189	-0.247	-0.091
A003333_01	-0.135	0.077	-0.238	-0.072	-0.026	0.068	-0.052	0.024
A003337_01	-0.289	-0.43	-0.157	-0.295	-0.653	-0.58	-0.377	-0.224
A003339_01	0.138	0.06	0.087	-0.037	-0.243	-0.106	-0.081	-0.092
A003351_01	0.094	0.093	0.063	0.107	0.139	0.309	-0.062	-0.094
A003354_01	0.978	1.022	0.345	0.331	-0.177	-0.033	0.07	0
A003359_01	0.097	0.223	-0.192	0.143	-0.1 NA		-0.233 NA	
A003360_01	0.381	0.334	-0.163	0.008	-0.104	-0.083	-0.146	-0.19
A003365_01	-0.383	-0.253	0.275	0.455	-0.317	-0.185	-0.105	-0.094
A003366_01	0.226	0.269	0.066	0.336	-0.19	-0.117	-0.052	-0.031
A003367_01	-0.2	-0.369	-0.277	0.092	-0.331	-0.289	-0.141	-0.236
A003370_01	-0.112	-0.068	0.089	0.197	0.066	-0.088	-0.065	-0.092
A003371_01	-0.13	-0.015	0.072	0.134	0	0.146	0.035	0.209
A003373_01	0.7	0.737	-0.446	-0.916	0.117	0.295	-0.198	-0.058
A003377_01	-0.289	-0.214	0.221	0.379	-0.216	-0.195	-0.047	-0.041
A003381_01	-0.612 NA	NA		-0.097	0.186	0.213	-0.13	-0.035
A003382_01	-0.057	0.078	0.035	0.065	0.045	0.004	-0.058	-0.08
A003383_01	-0.05	0.004	-0.09	-0.002	0.039	0.124	-0.021	0.006
A003385_01	0.869	0.78	0.683	0.753	-0.258	-0.418	0.286	0.172
A003387_01	0.166	0.207	-0.142	0.057	0.052	0.052	0.04	0.008
A003388_01	0.192	0.112	0.146	0.029	0.058	-0.068	-0.14	-0.07
A003389_01	0.243	0.458	0.655	0.072	0.042	0.154	0.437	0.397
A003393_01	-0.376	-0.089	-0.016	-0.054	-0.044	0.167	-0.141	-0.103
A003394_01	0.162	0.312	0.175	0.014	0.101	0.159	0.378	0.308
A003395_01	-0.284	-0.112	0.182	-0.1	-0.257	-0.533	0.185	0.053
A003398_01	-0.049	0	0.022	-0.248	-0.116	0.061	-0.047	0.023
A003404_01	0.047 NA		-0.2	-0.131	0.095 NA		0.293	0.204
A003405_01	-0.04	-0.087	0.253	0.091	-0.199	0.154	0.291	0.372
A003406_01	-0.135	-0.188	0.34	0.256	0.051	0.224	0.379	0.306
A003408_01	-0.755	-0.72	0.112	0.104	-0.045	-0.195	-0.073 NA	
A003409_01	-0.215	0.063	0.115	0.013	-0.181	-0.368	0.092	0.059
A003410_01	-0.048	-0.077	-0.234	-0.556	0.061	0.014	0.012	-0.039
A003411_01	0.406	0.51	0.413	0.677	0.498	0.678	0.245	0.227
A003412_01	0.451	0.38	0.678	0.702	0.864	0.761	0.363	0.253
A003418_01	-0.974	-1.035	-0.493	-0.354	-0.43	-0.401	-0.368	-0.267
A003419_01	-0.953	-1.025	-0.567	-0.343	-0.281	-0.408	-0.37	-0.384
A003423_01	-2.563 NA	NA	NA		-2.169 NA		-0.866	-0.522
A003425_01	0.586	0.399	0.153	0.106	0.022	0.344	-0.046	-0.14
A003428_01	-0.584	-0.471 NA		0.209	-0.192 NA		-0.182 NA	
A003431_01	-0.111	-0.232	-1.148	-0.566	0.324	0.403	-0.291	-0.387
A003433_01	0.236	0.416	0.28	-0.118	0.106	0.121	-0.201	0.102
A003434_01	-0.465	-0.511	-0.429	-0.696	-0.061	-0.061	-0.435	-0.322
A003440_01	0.043	0.035	0.038	-0.036	0.034	-0.011	-0.071	-0.082
A003443_01	-0.011 NA	NA		-0.855	-0.017 NA		0.041 NA	
A003444_01	0.406	0.414	0.281	0.053	0.055	0.087	-0.176	-0.045
A003446_01	0.063	0.161	0.127	-0.073	-0.057	0.087	-0.053	-0.035
A003448_01	0.72 NA		0.167	-0.308	0.257 NA		0.074	0.151
A003456_01	0.13	0.269	-0.299	-0.248	-0.194 NA		-0.331	-0.161
A003458_01	-0.427	-0.444	-0.014	-0.129	-0.044	-0.151	-0.116	0.032
A003460_01	0.445	0.438	0.129	-0.204	0.257	0.287	0.061	0.051
A003465_01	-0.063	-0.032	-0.018	0.169	0.132	0.07	-0.183 NA	
A003467_01	0.107	0.344	0.084	0.615	0.2	0.287	-0.181 NA	
A003468_01	-0.038	-0.103	-0.024	-0.351	0.023	-0.095	-0.094	-0.127
A003470_01	-0.203	-0.294	-0.099	0.006	-0.002	0.05	-0.058	-0.024
A003471_01	-0.284	-0.265	-0.027	0.266	0.108	-0.001	0.033	0.168
A003472_01	-0.108	-0.245	-0.185	-0.025	-0.052	-0.023	-0.061 NA	
A003475_01	0.589	0.395	-0.06	0.078	-0.122	-0.066	-0.406	-0.171
A003478_01	0.212	0.267	0.205	-0.313	-0.036	0.165	-0.083	0.016
A003480_01	-0.68	-0.448	0.128	0.23	0.176	0.215	0.714	0.635
A003483_01	0.203	0.193	0.066	-0.102	0.046	-0.05	0.057	0.092
A003486_01	0.351	0.451	0.64	0.506	-0.113	-0.396	0.03	0.003
A003488_01	0.038	0.091	0	-0.107	0.09	0.178	0.049	0.084
A003493_01	0.142	0.017	-0.077	0.077	0	0.093	-0.22	-0.185
A003497_01	-0.578	-0.605	-0.727	-0.211	-0.09	0.028	-0.276	-0.194
A003500_01	-0.273	-0.302	-0.117	0.493	0.251	0.188	-0.048	0.195

A003501_01	-0.066	-0.23	-0.147	0.004	0.072	-0.1	-0.019	0.048
A003503_01	-0.736	-0.815	-0.197	-0.55	-0.213	-0.206	0.087	-0.128
A003510_01	0.404	0.593	0.479	0.422	0.287	0.574	0.38	0.374
A003512_01	0.006	0.278	0.08	-0.552	-0.048	0.25	0.135	0.203
A003513_01	0.052	-0.021	0.164	0.2	-0.112	-0.285	-0.136	-0.144
A003518_01	0.045	-0.052	0.218	0.085	0.224	0.238	0.289	0.243
A003522_01	0.446	0.468	-0.027	0.265	-0.028 NA		-0.136	0.109
A003523_01	-0.303	-0.166	0.069	0.142	-0.389	-0.274	-0.148	0.149
A003528_01	-0.594	-0.735	-0.342	-0.4	-0.104	-0.191	-0.212	-0.176
A003530_01	-0.646	-0.543	-0.315	-0.188	0.012	0.007	-0.093	-0.082
A003533_01	-0.335	-0.288	-0.4	-0.298	-0.007	-0.039	0.04	0.157
A003535_01	-0.23	0.003	0.115	0.347	-0.151	-0.325	-0.523	-0.326
A003536_01	-0.162	0.059	-0.694	-0.691	-0.093	0.323	-0.336 NA	
A003537_01	-0.441	-0.435	-0.196	-0.293	-0.145	-0.088	-0.376	-0.217
A003538_01	0.154	0.117	0.278	0.342	0.227	0.05	0.316	0.194
A003540_01	-0.317	-0.238	-0.883	-0.973	-0.139	-0.13	-0.639	-0.419
A003544_01	0.708	0.528	0.425	-0.396	0.18 NA		0.364	0.273
A003547_01	0.412	0.397	0.387	0.598	-0.16	-0.402	0.023	0.031
A003553_01	0.106	0.162	-0.172	-0.175	0.208	0.388	-0.037	0.098
A003554_01	0.163	0.391	0.014	0.39	0.097	-0.035	0.021	-0.089
A003555_01	0.673	0.754	-0.607	0.508	0.375	0.538	-0.096	0.099
A003556_01	-0.423	-0.473	0.037	0.173	0.014	0.116	0.089	0.123
A003560_01	-0.354 NA		-0.491	-0.414	0.13 NA		-0.435 NA	
A003567_01	0.955	1.226	1.33	1.249	0.074	0.28	0.615	0.73
A003574_01	0.075	0.153	0.154	0.072	0.038 NA		-0.193 NA	
A003576_01	-1.562	-1.734	-1.684	-1.484	-0.743	-0.984	-1.391	-1.012
A003588_01	0.186	0.196	-0.12	0.562	-0.148	-0.162	-0.095	0.048
A003599_01	-0.223	-0.345	-0.079	-0.151	-0.063	-0.36	-0.067	-0.033
A003604_01	0.104	0.298	0.265	-0.315	0.36	0.359	0.339	0.292
A003606_01	-0.041	0.015	-0.21	0.065	-0.057	-0.195	-0.014	0.004
A003607_01	0.203	0.404	0.272	0.443	0.214	0.216	0.15	0.141
A003608_01	-0.014	0.129	0.12	0.212	-0.084	0.01	0.086	0.155
A003610_01	0.011	0.01	-0.09	0.003	0.177	0.048	0.082	0.075
A003614_01	0.414	0.443	0.082	-0.48	0.134	0.271	-0.065	-0.042
A003617_01	0.053	0.102	0.567	0.548	-0.139	-0.209	-0.232	-0.111
A003621_01	0.124	0.106	-0.074 NA		0.302	0.098	-0.007 NA	
A003628_01	0.29	0.562	0.18	-0.153	0.104 NA		0.045	0.183
A003630_01	-0.052 NA	NA		0.306	-0.175 NA		-0.214 NA	
A003633_01	-0.81	-0.822	-1.11	-0.813	-0.523	-0.468	-0.403	-0.198
A003636_01	0.451	0.491	0.052	-0.438	0.039	0.353	0.026	-0.062
A003637_01	-0.053	-0.08	0.458	0.796	-0.432	-0.733	-0.174	-0.054
A003641_01	-0.651	-0.123	0.232	0.158	0.045	0.201	0.217	0.544
A003643_01	0.066 NA		-0.246	-0.042	-0.003 NA		-0.146	-0.086
A003647_01	-0.115	-0.249	-0.114	0.592	-1.311	-1.661	-0.373	-0.39
A003648_01	0.195	0.321	-0.017	0.115	0.105	0.399	-0.068	0.045
A003653_01	-0.565	-0.216	-0.468	0.015	-0.309	-0.356	-0.483	-0.259
A003655_01	0.267	0.225	0.065	0.211	-0.016	0.042	-0.153	-0.149
A003656_01	0.224	0.131	-0.092	0.427	0.049	0.132	-0.17	-0.143
A003657_01	-0.181	0.052	-0.058	0.265	0.054 NA		-0.103 NA	
A003660_01	0.233	0.348	-0.028	0.332	-0.424	-0.026	-0.343	-0.037
A003664_01	0.06	-0.206	-0.323	0.222	-0.058	-0.386	-0.196	-0.309
A003665_01	0.167	0.166	0.05	0.341	0.176	0.164	-0.061	0.072
A003667_01	0.218	0.377	-0.085	0.323	-0.197 NA		-0.42 NA	
A003668_01	-0.358	-0.114	0.185	-0.432	0.001	0.219	-0.13	0.089
A003671_01	0.026 NA		-0.285	-0.09 NA	NA		-0.06	-0.097
A003672_01	-0.746	-0.635	-0.442	-0.061	-0.335	-0.14	-0.046	0.061
A003673_01	-0.041	0.158	0.225	0.21	-0.258	-0.099	0.178	0.038
A003675_01	0.257	0.39	0.139	-0.57	0.297	0.673	0.298	0.313
A003676_01	0.08	0.243	0.164	0.096	-0.021 NA		-0.038	0.246
A003678_01	-0.02	-0.156	0.026	-0.655	0.099	0.082	0.011	-0.172
A003679_01	0.427	0.384	0.506	0.199	0.122	0.154	0.063	0.076
A003681_01	-0.566	-0.47	-0.335	0.078	-0.102	-0.209	0.05	0.076
A003689_01	0.346	0.299	-0.091	-0.153	0.035	0.128	0.07	0.031
A003690_01	-0.486	-0.56	-0.459	-0.032	-0.632	-0.65	-0.142	-0.08
A003691_01	-1.383	-1.298	-0.937	-0.568	-0.606	-0.587	-0.63 NA	
A003694_01	0.285	0.089	-0.159	0.228	-0.048	-0.322	-0.323	-0.22
A003695_01	0.622	0.649	0.05	-0.287	0.172 NA		-0.252	-0.283
A003696_01	-0.546	-0.547	-0.392	-0.261	-0.266	-0.285	-0.081	0.001

A003698_01	0.536	0.511	0.675	0.912	0	-0.093	0.083	0.15
A003703_01	-0.946	-0.864	-0.672	-0.047	-0.176	-0.05	-0.186	-0.077
A003706_01	-0.223	-0.226	-0.1	-0.152	-0.335 NA		-0.163	-0.139
A003710_01	0.071	0.082	0.068	-0.048	0.334	0.357	0.506	0.231
A003714_01	0.041 NA		-0.451	-0.027	0.216 NA		0.084	-0.057
A003716_01	0.377	0.296	0.568	0.541	0.475	0.801	0.673 NA	
A003719_01	-0.4 NA	NA		-0.542	0.028 NA		-0.212	-0.06
A003720_01	-0.797	-0.936	-0.814	-0.545	-0.272	-0.344	0.298	0.17
A003732_01	0.009	-0.048	0.062	0.157	-0.146	-0.149	-0.174	-0.115
A003736_01	0.466	0.748	0.791	0.776	0.619	0.936	0.805	0.9
A003737_01	-0.76	-1.039	-0.981	-0.735	-0.691 NA		-0.751	-0.54
A003743_01	-0.367	-0.105	-0.773	-0.981	-0.314	-0.117	-0.68	-0.291
A003744_01	-0.028	0.026	-0.151	-0.061	0.145	0.208	0.152	0.117
A003750_01	-0.93	-0.504	-0.555	-0.523	-0.624	-0.392	-0.63	-0.4
A003753_01	0.129	0.183	0.058	-0.121	-0.119	-0.127	0.127	0.1
A003754_01	-0.12	0.063	-0.083	0.195	-0.218	-0.284	-0.173	0.027
A003755_01	0.262	0.336	0.104	-0.234	0.154	0.163	0.008	-0.025
A003756_01	-0.076 NA		-0.204	0.199	-0.162	0.067	-0.117 NA	
A003762_01	0.297	0.308	-0.148	-0.313	0.376	0.397	0.025	-0.093
A003767_01	-0.181	0.155	0.487	0.361	0.216	0.069	0.074	0.181
A003773_01	-0.299	-0.397	-0.481	0.045	0.008	-0.175	-0.106	-0.302
A003775_01	-0.169	-0.024	0.022	0.28	0.069	0.008	-0.397	-0.411
A003789_01	0.165	0.299	-0.267	-0.025	0.179	0.026	-0.162	-0.045
A003800_01	0.636	0.63	-0.085	0.148	-0.374	-0.15	-0.135	-0.125
A003802_01	0.396	0.292	0.321	0.368	0.249	0.184	0.224	0.109
A003803_01	0.178	0.553	0.179 NA		0.221	0.452	-0.156	0.132
A003804_01	-1.332	-1.013	-1.032	-0.552	-0.563	-0.517	-0.003	0.271
A003808_01	-0.14	-0.01	-0.171	0.203	0.159	0.273	0.153	0.186
A003809_01	0.096	0.092	0.124	0.252	0.082	0.095	-0.051 NA	
A003817_01	0.149	0.323 NA		-0.236	-0.953	-0.779	-0.498 NA	
A003820_01	-0.381	-0.057	-0.039	-0.396	-0.14	-0.071	-0.115	0.136
A003825_01	0.597	0.747	0.84	0.878	0.476	0.415	0.184	0.046
A003826_01	0.323	0.125	-0.074	-0.019	-0.104 NA		-0.025	-0.034
A003827_01	-0.303	-0.021	-0.124	-0.31	-0.133	0.027	-0.022	0.11
A003829_01	-0.446	-0.352	-0.005	-0.129	-0.061	-0.158	-0.032 NA	
A003844_01	-2.671	-2.855	-0.057	-0.038	-3.094	-3.72	-1.114	-0.779
A003846_01	0.063	0.104	-0.023	0.253	-0.058	-0.134	-0.26	-0.134
A003849_01	0.26	0.438	-0.268	-0.718	-0.028 NA		-0.163	0.089
A003851_01	-0.055	0.125	-0.067	-0.147	0.301	0.554	0.478	0.632
A003854_01	-0.019	-0.029	0	0.089	0.182	0.026	0.111	0.36
A003860_01	-0.129	-0.297	-0.292	0.511	-0.107	-0.528	-0.166	-0.182
A003861_01	-0.246	0.072	-0.004	-0.373	0.046	0.08	0.044	0.079
A003863_01	-0.514	-0.253	-0.035	0.423	0.072	0.074	0.316	0.274
A003864_01	0.259	0.288	-0.26	-1.054	0.221	0.589	-0.051	-0.065
A003869_01	-0.507	-0.469	-0.554	0.014	-0.236	-0.059	-0.174	-0.034
A003872_01	-0.528	-0.85	0.153	0.081	-0.534	-0.889	0.066	0.07
A003875_01	-0.595	-0.387	0.062	-0.048	-0.243	-0.301	-0.024	0.155
A003876_01	-0.496	-0.288	-0.298	-0.361	-0.08	0.032	-0.065 NA	
A003885_01	0.229	0.248	0.08	-0.412	-0.194	0.04	0.114	0.102
A003889_01	0.15	0.184	0.449	0.363	0.364	0.846	0.604	0.484
A003898_01	0.023	0.126	-0.021	-0.145	-0.087	-0.112	-0.193	-0.165
A003910_01	0.447	0.443	-0.09	-0.339	0.014	0.251	0.068	-0.222
A003914_01	-0.07	-0.141	-0.242	0.338	-0.048	-0.009	-0.092	-0.102
A003915_01	-0.69	-0.79	-0.278	-0.207	-0.279	-0.333	0.054	0.073
A003921_01	-0.338	-0.13	-0.626	0.206	-0.364	-0.216	-0.525	-0.195
A003925_01	-0.032	0.076	0.017	-0.194	0.166	0.15	0.048	0.09
A003926_01	0.049	-0.004	-0.229	0.171	0.039	0.11	0.016	0.133
A003932_01	-0.658	-0.878	0.148	0.718	-0.459 NA		0.137	0.034
A003933_01	-0.83	-0.654	-0.63	-0.736	-0.292	-0.313	-0.461	-0.278
A003940_01	-0.104 NA		-0.396 NA		0.111 NA		-0.211 NA	
A003947_01	-0.378	-0.102 NA	NA		0.059	-0.189 NA	NA	
A003948_01	0.458	0.483	0.457	0.508	-0.051 NA		0.226	0.384
A003952_01	-0.264	-0.103	-0.249	0.45	-0.501	-0.34	-0.301 NA	
A003958_01	-0.066	0.023	0.451	1.105 NA		0.231	0.047	0.121
A003959_01	-0.481	-0.58	-0.698	-0.648	-0.185	-0.408	-0.369	-0.361
A003960_01	0.016	-0.169	-0.541	-0.412	0.015	0.263	-1.504	-1.013
A003961_01	-0.207	-0.115 NA		0.401	-0.151	-0.256	-0.221	0.013
A003965_01	-0.31	-0.111	0.245	-0.028	0.125	0.195	0.431 NA	

A003968_01	-0.338	-0.682	-0.295	-0.009	-0.264	-0.242	-0.23	-0.281
A003969_01	-0.923	-1.069	-0.543	-0.121	-0.348	-0.243	-0.395	-0.15
A003974_01	-0.171	-0.053	-0.3	0.041	-0.295	0.099	-0.294	-0.21
A003979_01	0.164	0.21	0.093	0.201	-0.115	0.146	-0.039	0.021
A003982_01	-0.751	-0.871 NA	NA		-0.601	-1.064	-0.687 NA	
A003984_01	-0.473	-0.494	-0.144	-0.209	-0.123	-0.172	-0.079	-0.107
A003989_01	-0.312	0.163	0.072	-0.055	-0.074	0.348	-0.156	0.212
A003991_01	0.205	0.189	-0.324	-0.238	0.289	0.1	-0.23	-0.213
A003997_01	-1.391	-1.47	-1.368	-0.884	-0.967	-1.474	-0.847	-0.557
A004000_01	-0.846	-0.852	-0.878	-0.087	-0.245	-0.371	-0.255	-0.143
A004003_01	-0.658	-0.636	-0.186	0.043	-0.319	-0.213	0.107	0.174
A004018_01	-0.284	-0.423	0.281	0.271	0.014	0.102	0.463	0.399
A004026_01	0.093	0.32	0.352	0.143	0.228	0.37	0.074	0.207
A004038_01	-1.063	-0.419	-0.309	-0.152	-0.59	-0.219	-0.515	0.113
A004039_01	-0.562	-0.569	0.194	0.729	0.067	0.038	0.204	0.232
A004044_01	0.022	0.212	-0.129	-0.097	-0.091	0.196	-0.192	0.038
A004045_01	-0.195	-0.213	0.155	0.06	-0.073	-0.222	-0.056	-0.042
A004048_01	0.448	0.441	0.288	-0.317	0.302	0.637	0.24	0.223
A004058_01	-0.107	-0.191	-0.076	0.007	0.159	0.261	0.043	0.016
A004098_01	-0.006	0.102	-0.211	0.13	-0.047	-0.005	-0.2	0.098
A004103_01	-0.343	-0.099	0.043	0.153	-0.019	-0.083	0.009	0.109
A004107_01	-0.581	0.022	0.251	0.219	0.373	1.077	0.245	0.602
A004121_01	-0.045	0.204	0.052	0.289	-0.322	-0.039	-0.414	-0.267
A004122_01	0.03	-0.129	-0.16	0.107	0.001	-0.194	-0.121	-0.019
A004144_01	-0.148	-0.187	0.028	0.052	0.178	-0.141	0.115	-0.109
A004145_01	-0.118	0.216	-0.144	0.241	-0.003	0.181	-0.237	0.033
A004150_01	-0.229	-0.193	0.048	-0.271	0.117	-0.017	0.005	0.109
A004151_01	-0.279	0.365	-0.202	0.255	-0.167	0.319	-0.207	0.04
A004152_01	-0.058	0.165	-0.138	-0.067	0.196	0.234	-0.02	0.069
A004157_01	0.44	0.271	0.262	0.46	-0.044	-0.006	0.287	0.101
A004165_01	-0.216	-0.668	-0.167	-0.442	-0.097	-0.169	-0.061	-0.209
A004173_01	0.063	0.121	0.325	0.09	0.024	0.068	-0.02	-0.012
A004175_01	-0.254	-0.141	-0.053	0.217	-0.004	0.078	0.082 NA	
A004177_01	0.395	0.754	0.386	0.514	0.515	0.63	-0.176 NA	
A004181_01	-1.77 NA		-1.406	-0.871	-0.911 NA		0.258	0.29
A004219_01	-0.009	-0.053	-0.159	-0.265	-0.006	-0.137	0.066	0.111
A004221_01	-0.256	0.009	-0.09	0.228	-0.106	-0.361	-0.112 NA	
A004223_01	-0.154	-0.096	0.457	0.9	1.044	1.302	0.266	0.19
A004225_01	-1.966	-2.308	-0.848	-1.116	-1.768	-2.288	-0.267	-0.268
A004236_01	-0.092	0.295	-0.311	0.161	0.084 NA		0.15	0.381
A004241_01	-0.048	0.019	0.238	0.355	0.158	0.062	0.069	-0.052
A004242_01	0.335	0.295	-0.503	0.039	-0.037	0.122	-0.198	-0.088
A004243_01	0.093	0.067	0.493	0.335	0.133	0.094	0.015	-0.01
A004244_01	-0.271	-0.216	-0.198	-0.734	0.192	0.215	-0.135	-0.054
A004253_01	0.451 NA		0.011	0.036	-0.041 NA		0.027	0.094
A004271_01	0.23	0.241	0.626	0.576	-0.059	-0.143	0.338	0.132
A004272_01	-0.978	-1.095	-0.977	-0.506	-0.394	-0.471	-0.256	-0.068
A004276_01	0.345	0.623	0.101	-0.16	0.188	0.622	0.056	0.013
A004281_01	0.414	0.433	0.618	0.357	0.142	0.209	0.432	0.31
A004284_01	-0.022	-0.302	0.424	0.721	-0.298	-0.73	-0.194	-0.219
A004285_01	-1.411	-1.29	-1.364	-1.369	-0.65	-0.957	-0.989	-0.563
A004288_01	-0.04	-0.003	0.071	0.103	0.006	-0.108	0.001	-0.066
A004289_01	-0.347	-0.328	-0.377	0.099	-0.25	-0.004	0.138	0.299
A004290_01	-0.29	-0.601	-0.238	-0.026	-0.168	-0.24	-0.188	-0.166
A004300_01	0.283	0.214	0.262	0.074	0.206	-0.054	0.059	0.006
A004305_01	-0.647	-0.478	-0.765	-0.594	-0.412	-0.367	-0.358	-0.282
A004306_01	-0.46	-0.459 NA		0.054	-0.062 NA	NA		-0.13
A004311_01	0.303 NA		-0.318	-0.175	-0.037 NA		-0.124	-0.029
A004313_01	-0.171	-0.229	-0.109	0.022	-0.14	-0.252	0.23	0.199
A004314_01	-3.021	-3.721 NA		-2.95	-1.716	-1.915	-2.293	-1.625
A004319_01	0.072	0.164	-0.174	-0.034	-0.028	-0.144	-0.075	0.033
A004320_01	-1.522	-1.764	-0.976	-0.565	-1.073	-1.494	-1.831	-1.514
A004325_01	0.255	0.201	-0.307	-0.222	0.203	0.038	-0.022	-0.016
A004335_01	-0.068 NA		0.142	0.352	0.049 NA		-0.172	-0.119
A004343_01	-0.125	0.1	0.418	0.354	0.079	0.178	0.212	0.18
A004347_01	0.055	0.311	0.201	-0.127	0.147	0.204	0.144	0.129
A004349_01	-0.179	0.077	0.161	0.112	0.307	0.369	0.036	0.075
A004350_01	-0.41	-0.159	0.589	0.369	-0.105	-0.121	0.078	0.167

A004359_01	0.25 NA		-0.029	-0.192	0.16 NA		-0.051	0.168
A004362_01	-0.138	-0.038	0.118	-0.232	0.111	0.071	-0.124 NA	
A004378_01	0.012	-0.139	0.1	0.197	0.101	-0.069	0.197	-0.052
A004382_01	-0.217	-0.128	-0.168	-0.187	-0.014	-0.055	-0.331	-0.121
A004383_01	-0.109	-0.125	-0.106	0.136	0.102	-0.016	-0.09	0.042
A004386_01	0.017	-0.073	-0.048	-0.23	0.031	0.195	0.131	0.18
A004392_01	-0.283	-0.136	-0.381	-0.391	-0.06	-0.111	-0.169 NA	
A004393_01	-0.149	-0.201	0.137	0.026	0.022	-0.132	-0.059	-0.253
A004396_01	-0.159	-0.321	-0.151	0.108	-0.113	-0.061	-0.08	0.024
A004397_01	-0.508	-0.526	-0.207	-0.066	0.007	-0.158	-0.043	-0.097
A004398_01	-0.016	-0.016	0.097	-0.077	0.394	0.457	0.048	0.108
A004404_01	-1.676	-1.693	-1.638	-1.39	-0.927	-0.985	-1.201	-1.12
A004406_01	0.064	0.13	0.035	-0.021	0.074 NA		-0.043	-0.091
A004407_01	0.894	0.632	0.179	-0.827	0.136	0.313	0.02	-0.001
A004408_01	0.548	0.559	-0.366	-0.676	0.566	0.755	0.213	-0.073
A004413_01	0.181	0.247	-0.39	-0.152	-0.08	0.203	0.038	0.074
A004417_01	-0.352	-0.302	0.52	-0.254	-0.373	-0.296	0.226 NA	
A004424_01	0.116	-0.126	0.085	0.244	0.246	0.001	-0.081	-0.105
A004425_01	0.22	0.301	0.631	0.631	0.249	0.288	0.084	0.194
A004426_01	-0.202	-0.378	-0.202	0.105	0.135	0.195	0.103	0.139
A004429_01	-0.162	-0.234	0.293	-0.165	-0.142	-0.29	0.004	0.101
A004431_01	0.996	1.041	1.254	1.495	0.26	0.291	0.323	0.3
A004434_01	-0.05	0.023	0.425	0.147	0.193	0.093	0.449	0.221
A004437_01	-0.324	0.055	-0.072	-0.265	-0.245	0.156	-0.137	0.04
A004439_01	0.477	0.417	0.553	0.388	0.396	0.338	0.336	0.039
A004442_01	-1.49	-0.745 NA	NA		-0.764	-0.34	-0.629	0.141
A004448_01	0.601	0.424	-0.178	-0.364	0.294	0.537	0.117	0.12
A004449_01	0.328	0.006	-0.14	-0.08	0.08	0.304	-0.003	-0.145
A004451_01	0.004	-0.061	-0.389	-0.114	0.007	-0.105	-0.118	0.089
A004452_01	0.176	0.415	-0.445	0.024	0.096 NA		-0.162 NA	
A004454_01	0.183	0.203	-0.176	0.177	0.205	-0.061	-0.367	-0.24
A004456_01	-0.394	-0.209	-0.672	-0.38	-0.169	-0.302	-0.395	-0.304
A004458_01	-0.84	-0.719	-0.69	-1.093	0.074	-0.054	-0.193	-0.211
A004461_01	-0.299	-0.304	0.137	0.092	-0.195	-0.394	0.15	0.221
A004462_01	-0.225	-0.22	-0.454	-0.185	-0.119	-0.162	-0.22	-0.118
A004464_01	-0.013	0.18	0.051	-0.139	0.273	0.415	0.014	0.148
A004466_01	-0.258	-0.438	0.125	0.461	-0.125 NA		-0.095	-0.139
A004467_01	0.191 NA		0.01	0.38 NA	NA		-0.061	-0.021
A004468_01	0.261	0.083	0.331	0.178	0.12	-0.073	0.316	0.003
A004469_01	0.157	-0.009	0.127	0.201	0.363	0.111 NA	NA	
A004470_01	-0.43	-0.482	-0.249	-0.257	-0.141	-0.402	0.009	-0.179
A004472_01	0.206 NA		0.49	0.245	-0.06 NA		0.328	0.093
A004474_01	0.334	0.278	-0.385	-0.251	0.013 NA		-0.121	-0.173
A004481_01	-0.112	-0.297	-0.373	-0.285	-0.137	-0.137	-0.344	-0.236
A004483_01	0.03	0.088	0.128	0.129	0.033	0.201	0.256	0.274
A004484_01	-0.694	-0.41	-0.275	-0.254	-0.347	-0.081	-0.122	0.07
A004488_01	-0.225	-0.224	0.15 NA		0.027 NA		0.062 NA	
A004489_01	-0.552	-0.363	-0.602	-0.29	0.153	0.117	-0.227	-0.006
A004491_01	-0.317	0.068	-0.358	-0.203	-0.229	0.036	-0.141	0.094
A004493_01	-0.568 NA		-0.076	0.275	-0.016 NA		0.017	0.085
A004494_01	0.055	0.08	0.055	0.012	0.195	0.123	-0.052	-0.004
A004495_01	0.102	0.327	0.031	-0.246	0.48	0.743	0.379	0.358
A004497_01	-0.242	-0.226	0.445	0.385	0.054	-0.076	0.315	0.166
A004498_01	-0.352	-0.038	0.267	0.045	-0.248	-0.1	-0.15	0.184
A004502_01	0.676	0.856	0.007	-0.25	0.341	0.39	0.13	0.04
A004505_01	0.157	0.184	-0.46	0.08	-0.343	-0.367	-0.102	0.001
A004509_01	0.442	0.258	-0.058	-0.381	-0.017	0.173	-0.009	-0.152
A004511_01	0.196	0.267	0.588	0.065	0.22	0.289	0.042	-0.014
A004514_01	0.095	0.032	-0.234	0.123	0.126	0	0.126	0.076
A004515_01	-0.179	0.03	-0.079	-0.122	-0.178 NA		0.269	0.264
A004519_01	0.519	0.617	0.134	0.054	0.279	0.676	0.157	0.245
A004520_01	0.249	0.29	0.004	-0.295	0.291	0.177	0.126	0.055
A004522_01	0.133	0.205	-0.052	-0.003	0.046	0.328	-0.038	0.131
A004523_01	-0.468	-0.599	-0.369	-0.099	0.097	-0.015	0.123	0.057
A004524_01	-0.208	-0.108	-0.141	-0.038	-0.075 NA		-0.155 NA	
A004526_01	0.227	0.278	0.129	-0.008	0.05	-0.076	-0.131	0.021
A004527_01	0.308	0.369	0.139	-0.214	0.244	0.362	0.361	0.192
A004528_01	0.835	0.798	0.342	0.209	0.133	0.456	0.196	0.094

A004534_01	-0.093	-0.147	-0.164	0.399	0.087	0.145	0.238	0.184
A004537_01	-0.483	-0.08	0.191	0.194	-0.613	-0.492	-0.175	0.08
A004541_01	0.045	0.285	0.108	0.031	0.069	0.402	-0.002	0.206
A004542_01	0.392	0.546	0.277	0.314	0.485	0.658	0.103	-0.119
A004545_01	-0.375	-0.442	-0.143	-0.208	-0.325	-0.272	-0.185	-0.107
A004548_01	0.539	0.518	-0.014	0.482	0.424	0.565	-0.009	0.03
A004549_01	-1.028	-0.937	-0.614	-0.875	-0.434	-0.812	-0.31	-0.198
A004553_01	-0.406	-0.208	0.204	0.059	-0.31	-0.122	-0.041	0.064
A004557_01	-0.843	-0.659	-0.308	-0.453	-0.345	-0.485	-0.444	-0.281
A004558_01	0.18	0.16	0.156	0.332	-0.118	-0.054	-0.01	0.042
A004559_01	0.032	0.218	-0.256	-0.068	0.066	0.028	-0.168	-0.129
A004560_01	-0.163	-0.221	0.07	0.285	-0.191	-0.214	-0.136	-0.214
A004576_01	0.089	-0.084	0.086	0.19	0.073	-0.081	-0.029	-0.044
A004577_01	-0.061	0.192	0.002	-0.325	0.115	0.409	-0.236 NA	
A004578_01	-0.027	0.393 NA		-0.01	-0.016	0.374	0.093	0.315
A004582_01	-0.338	-0.359	-0.284	0.099	-0.215	-0.166	-0.171	0.013
A004587_01	-0.941	-0.898	-1.186	-1.104	0.157	0.247	-0.525	-0.412
A004588_01	-1.187	-1.331	-1.13	-0.836	-0.283	-0.323	-0.818	-0.565
A004593_01	0.115	0.121	0.063	0.134	-0.327	-0.15	0.004	-0.128
A004594_01	-0.617	-0.664	0.014	-0.061	-0.146	-0.336	0.275	0.365
A004596_01	0.267	0.249	0.168	0.271	-0.075	-0.012	-0.079	-0.009
A004597_01	0.013	-0.024	0.16	0.087	0.013	-0.058	0.039	0.02
A004598_01	-0.106	-0.266	-0.108	0.125	-0.063	-0.078	-0.131	-0.216
A004599_01	0.627	0.491	-0.105	0.048	0.087	0.404	-0.112	-0.032
A004602_01	-0.055	-0.274	-0.653	-0.076	0.262	0.117	0.13	-0.016
A004603_01	-0.784	-0.491	-0.463	-0.424	-0.167	-0.035	0.039	0.057
A004604_01	0.202	0.156	0.286	0.515	0.317	0.258	-0.793	-0.339
A004609_01	-0.124	0.339	-0.1	0.201 NA		0.003	-0.287	-0.037
A004610_01	-0.188	-0.028	-0.087	-0.105	-0.021	0.087	0.011	0.207
A004612_01	-1	-0.749	-0.25	-0.18	0.304	0.597	0.124	0.533
A004615_01	0.239	0.315	0.254	0.111 NA		0.03	-0.027	0.106
A004616_01	-0.571	-0.388	-0.607	-0.38	-0.07	0.008	-0.003	0.009
A004617_01	0.048	0.221	0.158	0.03	0.113	0.177	-0.172	-0.03
A004618_01	1.155	1.105	0.164	0.078	0.428	0.865	0.367	0.404
A004619_01	0.612	0.729	0.554	0.287	0.066	0.437	0.479	0.345
A004620_01	-0.089	0.063	-0.618	0.076	-0.073	-0.106	-0.038	-0.07
A004622_01	-0.931	-1.213	-2.063	-1.283	-2.23	-3.533 NA		-2.088
A004623_01	0.105	0.204	-0.048	-0.146	0.049	0.167	-0.026	0.093
A004629_01	0.372	0.454	-0.177	-0.011	0.088	0.116	-0.321	-0.235
A004630_01	0.065	-0.153	0.181	-0.116	-0.161	-0.3	0.026	-0.007
A004634_01	-1.119	-0.608	-0.02	-0.259	-0.566	0.017	-0.158	0.304
A004635_01	-0.134	0.111	0.406 NA		-0.03	0.067	0.204 NA	
A004636_01	-0.291	-0.403	-0.25	0.019	-0.268	-0.34	-0.112	0.088
A004637_01	-0.33	0.126	0.049	0.216	-0.452 NA		-0.112 NA	
A004644_01	-0.231	-0.089	-0.469	-0.049	-0.14	0.007	-0.044	-0.081
A004645_01	0.17	0.323	-0.208	0.075	0.136	0.178	0.207	0.086
A004646_01	-0.229	-0.284	-0.08	0.564	-0.27	-0.439	-0.303	-0.207
A004649_01	-0.404	-0.288	0.001	-0.067	-0.163	-0.145	0.113	-0.033
A004650_01	-0.029	0.086	0.201	-0.204	0.093	-0.106	0.26	0.094
A004652_01	0.673	0.779	0.222	0.557	-0.358 NA		0.136	0.225
A004653_01	0.079	0.118	0.451	0.085	-0.129	0.042	-0.15 NA	
A004656_01	0.007	0.365	0.253	0.152	0.185	0.322	0.812	0.695
A004657_01	-0.239	-0.106	0.045	0.295	-0.134	-0.178	-0.174	0.037
A004659_01	0.183	0.141	-0.035	-0.18	0.094	-0.081	0.02	-0.01
A004664_01	-0.061	0.042	-0.307	-0.112	0.098	0.062	0.288	0.204
A004669_01	0.2	0.069	0.177	0.085	0.134	0.213	0.146	0.382
A004670_01	0.02	-0.056	0.126	-0.116	0.22	0.007	-0.052	0.014
A004671_01	0.026	0.053	-0.142	0.224	0.177	0.112	-0.025	0.217
A004678_01	-0.114	-0.112	-0.42	0.151	0.103	-0.013	0.063	-0.018
A004680_01	0.06	-0.044	-0.174	0.232	-0.004	-0.157	0.022	0.062
A004682_01	0.607	0.538	0.533	0.106	0.652	0.56	0.561	0.41
A004683_01	0.373	0.501	0.055	-0.172	0.017	0.183	0.06	0.26
A004684_01	0.361	0.038	0.239	0.661	-0.303	-0.255	-0.573	-0.535
A004688_01	-0.233	-0.485	0.144	-0.047	0.072	0.19	0.193	0.086
A004689_01	0.64	0.399	-0.108	0.21	-0.148	-0.067	0.677	0.482
A004695_01	-0.219	-0.119	-0.133	-0.018	0.014	-0.242	-0.052 NA	
A004696_01	0.277 NA		0.221	0.624	0.326 NA		0.12 NA	
A004701_01	-0.775 NA		0.482 NA		-0.406	-0.054	0.01	0.466

A004704_01	0.63	1.078	-0.199	0.019	0.285	0.896	-0.381	-0.067
A004705_01	0.09	0.308	-0.086	-0.289	0.287	0.432	0.117	0.077
A004714_01	-0.645	-0.519	-0.255	0.277	-0.433	-0.603	-0.304 NA	
A004716_01	-0.48 NA		-0.238	-0.712	-0.257 NA		0.088	-0.079
A004717_01	0.11	0.181	0.386	0.031	0.204	0.424	0.298	0.185
A004722_01	-0.506	-0.724	-0.639	-1.217	-0.178	0.003	-0.183	-0.279
A004725_01	0.09	-0.188	0.098	0.171	0.005	-0.026	0.128	-0.006
A004727_01	0.165	0.059	0.278	0.402	0.001	0.058	0.483	0.406
A004728_01	-0.383	-0.407	-0.012	0.038	0.287	0.355	-0.016	-0.084
A004735_01	0.053	0.324	0.15	-0.4	0.163	0.165	0.227	0.142
A004736_01	-0.508	-0.555	-0.139	-0.517	-0.142	-0.185	-0.12	0.04
A004738_01	-0.632	-0.331	-0.18	-0.192	-0.146	-0.13	-0.2 NA	
A004739_01	0.066 NA		0.545	0.534	0.23 NA		0.106	0.227
A004740_01	-0.636 NA	NA		0.292	-0.619 NA		0.069	0.249
A004743_01	-0.362	-0.208	0.018	-0.012	-0.188	-0.156	-0.018	0.167
A004744_01	-0.37	-0.106	-0.166	0.287	-0.246	-0.217	-0.214	0.071
A004747_01	0.218	0.103	-0.13	0.132	0.106	0.085	-0.005	-0.056
A004748_01	0.154	0.015	0.303	0.107	-0.141	-0.197	-0.12	-0.141
A004752_01	0.875	1.184	0.807	0.354	0.042	0.27	0.084	0.227
A004754_01	0.015	0.159	-0.166	-0.021	0.06	0.238	-0.073 NA	
A004757_01	-0.025	-0.077	-0.261	0.156	-0.113	0.201	-0.311	-0.064
A004759_01	-0.216	-0.106	-0.1	0.118	-0.007	-0.054	-0.154	-0.151
A004762_01	-0.264	-0.053	-0.461	0.138	0.056	0.215	0.163	0.15
A004766_01	0.225	0.2	-0.242	0.201	0.152	0.131	0.135	0.1
A004768_01	0.275	0.252	-0.036	-0.344	0.015	0.181	0.02	-0.042
A004769_01	-0.918	-0.924	-0.66	-0.916	-0.232	-0.135	-0.589	-0.328
A004772_01	-0.074	-0.132	-0.284	0.176	-0.085	-0.299	-0.152	-0.155
A004774_01	0.176	0.101	-0.036	-0.42	0.223	0.377	-0.074	0.032
A004777_01	-0.519	-0.461	-0.414	0.145	-0.566	-0.485	0.206	0.185
A004789_01	0.038	-0.087	-0.448	0.026	-0.164	-0.015	-0.275	-0.145
A004792_01	-0.424	-0.438	0.01	0.071	0.05	-0.307	-0.036	-0.012
A004795_01	0.606	0.618	0.908	0.595	-0.221 NA		0.37	0.282
A004799_01	-0.189	-0.145	-0.109	-0.156	0.074	0.173	0.196	0.152
A004801_01	-0.071	0.123	-0.002	-0.096	-0.174	-0.142	-0.093	0.014
A004804_01	0.036	0.249	-0.114	0.23	-0.104	0.118	-0.214	0.029
A004805_01	0.374	0.487	-0.266	-0.086	-0.291	0.07	-0.291	0.08
A004810_01	0.298	0.33	-0.074	0.09	0.198	0.42	0.14	0.054
A004815_01	-0.168	0.018	0.088	-0.161	0.501	0.569	-0.022	0.073
A004820_01	0.537	0.394	-0.344	0.125	-0.093	-0.024	-0.157	-0.162
A004825_01	-0.201	-0.234	-0.147	-0.164	-0.409	-0.5	-0.059	-0.069
A004828_01	0.086	0.032	0.091	0.048	0.077	-0.105	0.168	0.055
A004830_01	-0.095	-0.001	-0.167	-0.021	-0.062	0.184	-0.061	-0.008
A004837_01	-0.385	-0.401	-0.331	-0.399	-0.122	0.037	-0.068	-0.072
A004839_01	-0.306	-0.274	-0.204	0.21	-0.003	-0.194	-0.184	-0.116
A004842_01	-0.04	-0.095	-0.452	0.15	-0.058	0.059	-0.312	-0.18
A004843_01	-0.452	-0.4	-0.398	-0.708	-0.17	-0.106	-0.104	0.004
A004846_01	0.416	0.614	0.567	0.965	-0.243 NA		-0.127	-0.022
A004848_01	0.1	0.288	0.028	-0.086	0.428	0.608	0.562	0.522
A004853_01	-0.19	-0.169	-0.271	-0.109	-0.011	-0.046	-0.12	-0.169
A004859_01	0.627	0.768	0.296	0.059	0.48	1.101	0.656	0.616
A004860_01	-0.141	0.201	0.371	0.152	0.291	0.735	0.35	0.526
A004862_01	0.18	0.021	-0.01	0.099	0.059	0.206	-0.063	-0.09
A004863_01	-0.273	-0.276	-0.22	0.059	-0.195	-0.248	-0.179	-0.203
A004866_01	0.1	0.018	-0.147	0.216	-0.05	-0.033	-0.175	-0.231
A004867_01	-0.253	0.092	-0.314	-0.664	0.023	0.158	-0.093	-0.043
A004882_01	-0.799	-0.725 NA	NA	NA	-0.297	-0.324	-0.769 NA	
A004883_01	-0.398	-0.348	0.098	-0.02	-0.195	-0.331	-0.165	-0.246
A004885_01	0.421	0.404	0.486	0.483	0.132	-0.001	0.039	0.011
A004887_01	-0.122	-0.088	0.075	0.409	-0.071	-0.171	-0.112	0.003
A004889_01	-0.084	-0.311	-0.276	0.003	0.039	-0.099	-0.076	-0.066
A004891_01	-0.036	-0.021	0.281	-0.397	0.079	0.018	0.106	0.094
A004894_01	0.199	0.189	0.446	0.497	0.063	0.022	0.535	0.321
A004896_01	0.17	0.396	-0.039	-0.022	-0.04	-0.008	0.1	0.115
A004901_01	-0.142	0.04	-0.422	-0.283	0.007 NA		0.125	-0.041
A004903_01	0.009	0.187	0.559	-0.167	0.087	0.086	0.013	-0.042
A004908_01	0.62	0.669	0.233	-0.589	0.104	0.493	0.181	0.074
A004910_01	0.001	0.247	-0.432	0.046	-0.155	-0.064	-0.271	-0.1
A004915_01	0.114	0.001	-0.086	-0.407	0.19	0.265	-0.207	-0.324

A004916_01	-0.221	-0.074	-0.133	-0.503	0.084	0.133	-0.067 NA	
A004918_01	-0.037	0.069	-0.527	-0.162	-0.121	-0.268	-0.264	-0.284
A004921_01	0.282	0.365	0.267	0.261	0.609	0.719	0.102	0.092
A004922_01	-0.289	-0.089	0.097	0.079	-0.122 NA		-0.099 NA	
A004927_01	-0.435	-0.335	-0.142	0.263	-0.143	-0.342	-0.235	0.013
A004931_01	-0.942	-1.079	-0.852	-0.664	-0.462	-0.567	-0.586	-0.445
A004932_01	-0.889	-0.971	-0.951	-0.306	-0.542	-0.432	-0.64	-0.338
A004934_01	-0.369	-0.202	0.354	-0.056	0.264	0.277	-0.183	-0.095
A004941_01	-0.196	-0.005	-0.107	-0.121	-0.027	0.06	-0.152	-0.023
A004944_01	-0.263	-0.08	-0.047	0.256	0.301	0.335	0.042	0.143
A004948_01	0.198	-0.004	-0.082	0.056	0.083	0.105 NA		-0.119
A004962_01	0.089	0.197	0.298	0.151	0.133	0.052	0.277	0.216
A004978_01	-0.288	-0.18	-0.253	0.389	0.054	-0.072	-0.398	-0.078
A004994_01	-0.397	-0.179	0.146	-0.125	-0.543	-0.215	0.146	0.388
A005002_01	0.142	0.101	-0.046	-0.002	-0.102	-0.294	0.023	-0.047
A005005_01	0.536	0.495	-0.18	0.144	-0.282	-0.287	-0.235	-0.316
A005009_01	0.218	0.516	0.143	0.202	-0.081	0.302	-0.177	-0.063
A005012_01	-0.192	-0.559	-0.031	0.305	-0.601	-1.012	0.41	0.425
A005018_01	-0.163	-0.083	0.467	-0.302	-0.004	0.006	0.012	0.233
A005022_01	-0.102	-0.06	-0.37	0.265	0.029	0.046	-0.021	0.054
A005023_01	0.396	0.59	-0.107	-0.979	0.115	0.184	0.084	0.07
A005029_01	-0.375	-0.339	-0.241	0.586	-0.073	-0.119	-0.22	-0.341
A005042_01	-0.614	-0.515	-0.418	-0.91	-0.006	0.158	-0.159	0.114
A005048_01	-0.567	-0.028	0.079	-0.091	-0.258	-0.017	-0.216	0.221
A005065_01	-0.068	-0.322	-0.234	-0.271	0.151	0.174	-0.128	-0.149
A005067_01	0.187	0.221	-0.149	-0.2	0.041	0.161	0.087	0.118
A005068_01	-0.401	-0.343	-0.253	-0.107	-0.226	-0.244	0.086	0.121
A005069_01	0.561	0.763	0.695	1.291	-0.579	-0.705	-0.217	-0.02
A005075_01	0.614	0.763	1.089	1.291	-0.236	-0.532	-0.499 NA	
A005084_01	-0.146	-0.261	-0.364	-0.087	0.032	-0.024	-0.137	-0.146
A005086_01	0.02	0.257	-0.3	-0.974	-0.026	0.468	0.079	0.218
A005093_01	0.325	0.141	-0.271	0.148	-0.063	0.191	-0.131	-0.011
A005095_01	-0.076 NA		-0.221	0.265	-0.036 NA		-0.105	-0.034
A005097_01	-0.299	-0.164	0.351	-0.03	-0.051	-0.067	-0.238	-0.104
A005122_01	0.144	0.202	0.185	-0.132	0.122	0.108	0.058	-0.033
A005126_01	0.37	0.63	0.119	-0.79	0.091	0.419	0.071	0.109
A005129_01	0.015	0.06	-0.367	-0.128	-0.404	-0.34	0.176	0.192
A005132_01	-0.021	-0.141	0.427	-0.145	0.182	0.09	0.163	0.089
A005145_01	0.114	0.04	0.334	0.426	-0.185	-0.322	0.162	0.174
A005146_01	-0.257	-0.166	0.18	0.023	-0.097	-0.231	0.032	0.219
A005155_01	0.723	1.236	1.887	1.954	1.402	1.62	0.185	0.473
A005160_01	0.07	0.093	0.074	0.236	-0.118	0.11	0.126	0.191
A005162_01	0.177	0.106	0.156	0.304	0.207	0.116	-0.161	-0.18
A005163_01	-0.229	-0.151	-0.202	0.048	0.224	0.115	0.013	0.018
A005164_01	-0.588	-1.036	-0.568	-0.614	-0.388	-0.441	-0.229	-0.363
A005167_01	-0.07	0.102	0.332	0.001	-0.058	-0.052	0.044	0.252
A005171_01	0.169	0.104	-0.026	0.075	-0.04	0.107	0.236	0.124
A005173_01	0.254	0.143	0.194	0.026	0.073	-0.047	-0.1	-0.07
A005175_01	-0.711	-0.469	-0.253	-0.448	-0.411	-0.287	-0.177	0.008
A005176_01	-2.93	-3.316	-4.837	-4.617	-2.776	-3.524	-3.561	-2.593
A005178_01	-0.483	-0.263	-0.015	-0.102	-0.38	-0.28	-0.041	0.105
A005179_01	0.199	0.155	0.12	-0.059	0.293	0.186	0.497	0.276
A005180_01	-0.31	-0.286	-0.125	-0.229	-0.241	-0.213	-0.012	0.05
A005182_01	0.019	-0.217	0.375	0.268	-0.028	-0.222	0.044	0.209
A005187_01	-0.017	0.018	0.065	0.07	0.215	0.163	0.124	0.051
A005188_01	0.118	0.177	0.151	0.343	0.017	0.093	0.059	0.021
A005190_01	-0.235 NA		-0.255	-0.344 NA	NA		-0.081	-0.138
A005195_01	-0.704	-0.746	-0.346	-0.275	-0.511	-0.54	-0.123	-0.173
A005196_01	-0.094 NA	NA		-0.313	0.134 NA		-0.223 NA	
A005197_01	-0.667	-0.783	-0.278	0.028	-0.032	-0.143	-0.024	0.085
A005199_01	0.003	0.014	0.257	0.296	0.262	0.06	0.061	0.071
A005203_01	-0.297	0.032	-0.253	-0.225	-0.021	0.016	-0.314	-0.029
A005204_01	-0.502	-0.601	-0.234	-0.607	-0.189	-0.464	-0.067	-0.13
A005208_01	1.226	1.175	1.358	1.422	0.303	0.241	0.712	0.507
A005209_01	0.384	0.5	0.139	-0.27	0.142 NA		0.329	0.409
A005211_01	-0.145	0.184	-0.071	0.622	-0.36	-0.256	-0.281	-0.14
A005214_01	0.623	0.427	0.975	0.584	0.33	0.095	-0.228 NA	
A005220_01	-0.635	-0.217	0.105	0.062	-0.347	0.016	-0.267	0.141

A005223_01	-0.365	-0.504	-0.186	0.427	-0.361	-0.804	-0.196	-0.188
A005224_01	0.005 NA		-0.154	-0.446	0.064 NA		0.428	0.463
A005227_01	0.045	0.067	0.109	-0.467	-0.112	-0.009	-0.008	0.045
A005234_01	-0.265	-0.188 NA		0.03	-0.012	0.005	-0.413 NA	
A005236_01	-0.153	-0.05	-0.049 NA		-0.004	-0.144	-0.107 NA	
A005239_01	-0.108	-0.134 NA		0.017	0.075	-0.063	0.077	-0.037
A005246_01	0.541	0.842	1.095	0.761	0.636	1.003	0.778	0.957
A005247_01	0.267	0.295	0.155	0.059	0.132	0.085	0.084	-0.033
A005249_01	-0.112	-0.064	-0.208	-0.305	-0.23	0.137	-0.13	-0.055
A005251_01	-0.092 NA		-0.191	0.236	0.177 NA		0.088	0.224
A005260_01	0.139	0.207	0.155	-0.038	-0.14	-0.382	-0.205	-0.297
A005262_01	-0.323	-0.127	0.183	0.17	-0.195	-0.302	-0.01	0.284
A005267_01	0.386	0.487	0.067	-0.935	0.384	0.579	0.346	0.249
A005278_01	0.124	0.361	0.003	-0.311	0.097	0.146	-0.008	0.014
A005279_01	-0.177	-0.229	-0.082	0.173	-0.443	-0.316	0.12	0.302
A005302_01	-0.112	-0.245	-0.228	-0.352	0.064 NA		0.072 NA	
A005305_01	-0.397	-0.178	-0.38	-0.029	0.162	0.132	0.06	0.055
A005310_01	-1.468	-0.721 NA		-0.299	-0.722	0.014	-0.584	0.263
A005332_01	0.119	-0.03	-0.023	-0.215	0.084	0.088	0.06	-0.033
A005335_01	0.28	0.154	-0.126	0.363	0.423	0.429	0.437	0.293
A005338_01	-0.29	-0.362	0.053	0.091	-0.42	-0.31	0.057	0.045
A005346_01	-0.006	0.024	-0.113	0.069	-0.028 NA		0.121	0.248
A005354_01	0.592 NA		0.304	1.031 NA	NA		-0.356	-0.109
A005356_01	-0.857	-0.887	-1.021	-0.297	-0.271	-0.49	-0.29	-0.102
A005357_01	0.115	-0.033	0.108	-0.693	0.261	0.156	0.077	0.028
A005366_01	0.735	0.881	-0.03	-1.023	0.417	1.003	0.254	0.344
A005367_01	0.028	-0.018	-0.127	0.059	0.002	-0.095	-0.015	0.024
A005368_01	-0.125	-0.136	0.216	0.159	-0.102	-0.375	-0.137	-0.15
A005371_01	-0.46	0.059	-0.112	-0.117	-0.15	-0.089	-0.159	-0.047
A005376_01	-0.192	0.063	-0.153	0.467	-0.155 NA		-0.266	0.052
A005377_01	-2.076	-1.576	-1.546	-0.876	-1.526	-1.029	-0.787	-0.349
A005384_01	-0.284	-0.211	0.218	0.631	-0.467	-0.499	-0.354	-0.114
A005386_01	-0.434	-0.177	-0.295	-0.155	-0.001	-0.17	-0.119	-0.05
A005389_01	0.348	0.516	0.468	0.64	-0.025 NA		-0.069	0.076
A005390_01	0.175	0.075	-0.05	0.334	0.043	-0.461	-0.434	-0.348
A005391_01	0.048	-0.025	-0.048	0.248	-0.167	-0.051	-0.08 NA	
A005394_01	0.077	-0.053	0.363	0.269	-0.236	-0.457	-0.066	-0.158
A005395_01	0.184	0.108	0.032	0.259	0.215	-0.071	0.031	0.015
A005401_01	0.127	-0.044	-0.586	-0.073	0.13	0.213	0.034	0.004
A005403_01	0.865	0.689	0.553	0.041	0.271	0.346	-0.001	-0.156
A005407_01	0.014	-0.318	-0.2	-0.314	0.345	0.072	0.022	-0.151
A005410_01	-0.694	-0.781	-1.005	-0.529	-0.098	-0.433	-0.464	-0.497
A005411_01	-0.576	-0.064	0.265	-0.062	-0.289	-0.159	-0.254	-0.02
A005413_01	0.073	0.264	0.276	-0.138	-0.054	0.075	-0.15	0.129
A005414_01	0.088	0.204	-0.016	0.172	0.061	0.107	0.135	0.076
A005416_01	-0.366	-0.174	-0.039	-0.225	-0.019	-0.146	-0.02	0.033
A005417_01	-0.052	-0.057	-0.419	0.147	0.102	0.183	-0.398	-0.26
A005426_01	-0.353	-0.375	-0.296	0.12	0.311	0.325	0.124	0.191
A005431_01	0.019	0.268	0.057	0.262	-0.008	0.132	-0.117 NA	
A005434_01	0.749	0.441	0.515	0.677	0.3	0.386	0.448	0.136
A005439_01	0.331	0.305	-0.149	-0.158	0.377	0.319	-0.1	-0.085
A005477_01	-0.316	0.238	0.306	0.614	0.247	0.395	0.137	0.329
A005500_01	0.174	0.109	-0.09	0.159	0.091	-0.13	0.073	-0.062
A005506_01	0.359	0.268	0.147	0.156	0.052	-0.021	-0.09	-0.016
A005518_01	-0.226	-0.11	0.037	0.239	0.074	-0.02	0.007	0.07
A005521_01	0.207	0.286	-0.24	-0.51	0.079	0.043	-0.181	-0.2
A005522_01	-0.148	-0.076	0.282	0.214	-0.331	-0.357	-0.001	0.181
A005526_01	-0.178	-0.281	-0.102	0.235	0.173	-0.05	0.048 NA	
A005532_01	0.613	0.698	0.472	0.517	0.032	0.096	0.226	0.081
A005542_01	0.224	0.177	-0.009	0.581	0.03	-0.05	-0.146	-0.144
A005552_01	-0.734	0.474 NA	NA		-0.573	0.029	-0.193	0.783
A005553_01	0.339	0.074	-0.006	0.006	0.115	0.168	0.176	0.071
A005557_01	-0.09	-0.214	-0.142	-0.257	0.086	0.031	0.033 NA	
A005558_01	-0.644	-0.51	-0.314	0.081	-0.472	-0.272	-0.185	0.247
A005562_01	0.233	0.198	0.217	-0.586	-0.124	-0.059	-0.161	0.002
A005564_01	0.417	0.567	0.198	-0.264	0.025	0.386	-0.03	-0.033
A005571_01	0.387	0.128	0.136	0.715	-0.043	-0.155	0.076	-0.02
A005576_01	0.392	0.192	0.64	1.03	-0.501	-1.068	-0.38	-0.288

A005577_01	-0.332	0.003	0.074	-0.113	-0.014	0.134	-0.257	0.056
A005583_01	0.039	-0.067	-0.249	-0.003	0.377	0.349	-0.308	-0.223
A005588_01	-0.819	-0.507 NA		0.026	-0.16	-0.42	-0.445	-0.227
A005589_01	-0.57	-0.432	-0.114	-0.042	-0.256	-0.279	-0.457	-0.222
A005590_01	-0.191	0.186	0.486	0.539	-0.316	-0.206	-0.002	0.29
A005591_01	0.074	-0.053	-0.34	0.225	0.247	0.097	0.161	0.089
A005592_01	-1.175	-0.595	-0.911	-0.251	-0.172	0.075	0.215	0.142
A005594_01	0.059	-0.055	0.35	0.051	0.147	-0.035	0.02	-0.005
A005600_01	-0.572	-0.497 NA		-0.001	-0.284	-0.472	-0.461 NA	
A005601_01	-0.882	-0.541	-0.129	-0.025	-0.32	-0.446	-0.464	-0.269
A005609_01	-0.326	-0.189	-0.355	-0.182	-0.012	-0.135	-0.021	0.227
A005613_01	0.271	0.201	-0.366	-0.163	0.088	0.297	0.024	0.026
A005615_01	0.079	0.466	0.336	0.343	0.135	-0.031	0.313	0.384
A005616_01	-0.453	-0.027	0.228	-0.165	-0.38	-0.084	-0.232	0.136
A005620_01	-0.485	-0.555	-0.013	-0.158	-0.465	-0.335	0.097	0.206
A005629_01	0.49	0.558	-0.18	0.527	0.33	0.238	-0.003	-0.089
A005636_01	-0.01	0.114	0.067	0.201	0.008	0.159	-0.215	0.23
A005646_01	0.496	0.394	0.32	0.366	0.076	0.031	-0.026	-0.071
A005648_01	-1.779	-1.688	-0.294	-0.621	-0.327	-0.364	0.098	-0.078
A005655_01	0.2	0.093	0.112	-0.068	0.201	-0.019	0.034	0.002
A005659_01	0.402	0.52	0.232	0.027	0.047	0.032	-0.069	0.008
A005661_01	-1.712	-2.123	-1.023	-0.571	-2.313	-3.075	-2.701	-1.948
A005677_01	-0.194	-0.01	0.522	0.28	-0.007	-0.012	0.264	0.206
A005680_01	-0.153	-0.346	-0.351	0.433	-0.211	-0.561	-0.254	-0.197
A005687_01	-1.601	-1.659	-1.304	-0.906	-0.977	-0.869	-0.688	-0.575
A005688_01	-0.243	0.208	0.333	0.038	-0.098	0.081	-0.007	0.345
A005690_01	-0.189	-0.019	0.218	-0.168	0.045	0.056	-0.025	0.074
A005692_01	-0.19 NA		-0.386	-0.373	-0.303 NA		-0.141	0.054
A005695_01	-1.691	-1.748	-0.95	-0.905	-0.155	-0.098	0.078	0.039
A005699_01	0.047	0.13	0.351	0.215	-0.164	-0.359	0.283	0.233
A005701_01	0.555	0.444	-0.183	-0.089	-0.095	0.151	-0.224	-0.103
A005702_01	0.317	0.305	0.045	0.598	-0.193	-0.322	-0.46 NA	
A005703_01	0.359	0.347	-0.225	-0.212	0.083	0.197	-0.269	-0.084
A005706_01	-0.423	-0.369	-0.158	-0.139	-0.202	-0.322	-0.047	-0.01
A005707_01	-0.791	-0.567	-0.294	-0.178	-0.44	-0.566	-0.257	-0.108
A005708_01	-0.61	-0.72	-0.356	0.05	-0.338	-0.497	-0.266	-0.071
A005709_01	-0.654	-0.659	-0.312	-0.048	-0.486	-0.61	-0.236	-0.115
A005710_01	-0.233	-0.069	-0.511	0.111	0.017	-0.11	-0.462 NA	
A005712_01	-0.254	-0.451	-0.115	0.014	-0.301	-0.526	0.302	0.151
A005713_01	0.298	0.22	0.129	0.594	-0.197	-0.443	-0.232	-0.116
A005714_01	0.745	0.555	0.591	1.056	-0.438	-0.846	-0.3	-0.36
A005715_01	-0.282	-0.251	-0.482	0.075	-0.295	-0.439	-0.364	0.027
A005718_01	-0.664	-0.607	-0.278	-0.4	-0.321	-0.579	-0.236	-0.131
A005719_01	-0.25	-0.076	-0.043	0.232	-0.167	-0.244	-0.01	0.096
A005720_01	-1.081	-1.074	-0.157	-0.062	-0.79	-0.986	-0.319	-0.349
A005721_01	-0.612	-0.774	-0.149	0.039	-0.478	-0.651	-0.267	-0.27
A005722_01	-0.117	0.035	0.066	0.377	-0.269	-0.437	-0.18 NA	
A005723_01	-0.075	-0.143	-0.141	0.494	-0.182	-0.304	-0.137 NA	
A005725_01	-0.05	-0.13	-0.395	0.156	0.096	-0.089	-0.137	-0.116
A005726_01	-0.252	-0.45	0.032	0.263	-0.453	-0.536	-0.173	-0.116
A005727_01	1.539	1.794	1.354	1.494	0.802	1.036	0.781	0.899
A005729_01	-1.062	-0.695	-0.08	-0.05	-0.432	-0.153	-0.657	-0.276
A005730_01	-0.802	-0.81	0.013	0.331	-0.926	-1.222	-0.261	-0.192
A005731_01	-0.957	-0.803	-0.207	-0.098	-0.498	-0.644	-0.356	-0.094
A005732_01	-0.09	0.059	0.095	0.298	-0.242	-0.208	-0.08	0.214
A005733_01	-0.564	-1.014	-0.487	-1.102	-0.589	-1.001	-0.024	0.005
A005736_01	-0.247	-0.445	-0.05	-0.323	0.05	-0.11	-0.211	-0.171
A005739_01	0.172	0.223	0.528	0.398	0.139	0.201	0.353	0.3
A005740_01	-0.515	-0.137	-0.134	0.017	-0.009	0.138	-0.459 NA	
A005741_01	-0.118	0.065	-0.198	0.024	-0.073	0.255	0.061	-0.015
A005742_01	-0.116	0.016	0.217	-0.148	-0.254	-0.294	-0.039	0.073
A005743_01	-0.024	-0.08	0.083	0.277	0.314	0.208	-0.096	-0.088
A005744_01	-0.204	-0.299	-0.274	-0.234	0.013	0.066	-0.044	-0.058
A005745_01	-0.291	-0.378	-0.185	0.076	-0.145	-0.412	-0.237	-0.176
A005746_01	0.121	0.147	-0.521	0.188	-0.205	-0.161	-0.483	-0.427
A005749_01	0.156	0.206	0.055	0.325	0.302	0.455	0.531	0.446
A005750_01	-0.263	-0.249 NA		0.148	0.194	0.063	-0.262	-0.035
A005751_01	-0.622	-0.575	-0.351	-0.422	0.44	0.537	-0.105	0.032

A005754_01	-0.807	-0.726	-0.632	0.061	-0.609	-0.954	-0.58	-0.129
A005755_01	-0.752	-0.678	-0.281	0.212	-0.335	-0.435	0.058	0.251
A005763_01	-0.845 NA		-0.265	-0.121	0.353	0.425	-0.11	0.054
A005766_01	-0.213	0.024	0.185	-0.139	-0.217	-0.31	0.05	0.125
A005771_01	0.266	0.307	-0.069	0.328	-0.001	-0.292	-0.332	-0.106
A005782_01	0.255	0.233 NA		0.58	0.099 NA		-0.25 NA	
A005783_01	1.055	1.138	0.211	0.261	-0.329 NA		-0.194	-0.241
A005784_01	-0.367	-0.283	-0.251	-0.053	-0.049 NA		0.15	0.101
A005787_01	-0.563	-0.438	-0.106	-0.175	-0.519	-0.577	-0.506	-0.205
A005792_01	-0.223	-0.238	-0.409	0.016	0.01	-0.009	-0.263	-0.134
A005827_01	-1.305	-1.244	-0.361	-0.126	-0.561	-0.388	-0.372	-0.167
A005834_01	-0.357	-0.013	0.049	0.263	0.047	0.15	-0.044	0.1
A005835_01	0.73	0.854	0.337	-0.146	0.543	0.901	0.318	0.282
A005839_01	-0.521	-0.432	-0.202	-0.305	-0.174	0.014	-0.187	-0.011
A005845_01	0.529	0.463	0.99	1.228	0.612	0.699	0.344	0.146
A005846_01	-0.201	-0.104	0.002	-0.036	-0.019	0.061	-0.145	0.042
A005856_01	-0.367	-0.352	-0.485	0.071	-0.224	-0.42	-0.159	-0.045
A005864_01	-0.132	-0.235	-0.527	0.069	-0.132	-0.146	0.14	0.119
A005869_01	-0.173	-0.098	-0.158	0.09	-0.023	-0.087	0.091	0.245
A005870_01	-1.003	-1.043	-0.177	-0.203	-0.272	-0.232	-0.095	-0.193
A005879_01	0.399	0.479	-0.066	0.261	-0.046 NA		-0.171	-0.051
A005885_01	0.081	0.073	-0.194	0.354	-0.099	-0.058	-0.165	-0.079
A005906_01	-0.637	-0.516	-0.039	0.116	-0.015	0.035	-1.058	-0.704
A005910_01	-0.905	-0.487	0.576	0.274	-0.094	0.093	0.51	0.758
A005911_01	-0.054	0.183	0.382	-0.025	-0.228	0.045	-0.155	0.1
A005914_01	-0.203	-0.113	-0.014	-0.056	0.146	0.034	-0.139	0.006
A005915_01	0.313	0.413	0.07	-0.484	0.116	-0.127	-0.024	-0.031
A005916_01	0.312	0.554	0.44	0.684	0.296	0.359	0.224	0.216
A005926_01	-0.129	-0.224	-0.083	0.155	0.108	0.03	-0.083	0.025
A005928_01	-0.261	-0.098	-0.446	0.06	-0.136	0.263	-0.273	0.119
A005930_01	0.243	0.111	0.013	0.017	0.078	-0.069	0.041	0.154
A005933_01	0.172	0.17	-0.228	-0.336	-0.164	0.065	-0.09	-0.041
A005935_01	0.217	0.219	0.216	0.061	-0.206	-0.075	0.146	0.276
A005936_01	0.184	0.326	0.137	-0.317	0.402	0.394	-0.033	0.119
A005938_01	0.377	0.306	0.423	-0.48	0.202	0.124	0.14	0.104
A005939_01	-0.259	-0.325	-0.118	0.119	0.363	0.327	-0.2	-0.131
A005946_01	0.619	0.51	0.786	0.83	0.198	-0.034	0.7	0.394
A005948_01	-0.074	0.003	0.33	0.081	0.089	0.123	-0.123	-0.186
A005949_01	0.26	0.551	0.599 NA		-0.047	-0.043	0.384 NA	
A005954_01	0.166	0.03	-0.114	-0.293	0.019	0.012	-0.182	-0.2
A005955_01	-0.008	0.279	-0.003	0.155	-0.107	0.141	-0.171	0.257
A005958_01	0.015	-0.167	0.38	0.077	0.033	0.014	0.121	0.092
A005959_01	0.034	0.132	-0.318	-0.584	-0.157	0.132	-0.59	-0.333
A005962_01	0.527	0.381	0.063	-0.239	0.337	0.118	-0.036	-0.267
A005963_01	0.663	0.71	0.585	0.348	0.029	0.205	0.167	0.242
A005965_01	-0.567	-0.349	0.201	0.009	-0.054	0.022	-0.006	0.064
A005969_01	-0.097	-0.163	-0.408	-0.337	0.041	0.107	-0.002	0.076
A005972_01	-0.077	-0.061	0.211	0.092	0.036	-0.149	0.038	0.12
A005981_01	0.042	-0.258	-0.043	-0.373	0.328	0.226	-0.226	-0.126
A005984_01	-1.103	-1.045	-0.136	0.468	-0.694	-1.042	0.062	0.338
A005989_01	0.469	0.182	0.087	0.112	0.2	-0.147	0.299	0.005
A005991_01	-2.96	-3.536	-5.01	-4.715	-2.445	-3.434	-3.625	-2.285
A005992_01	-0.307	-0.17	0.013	0.107	-0.083	-0.164	-0.122	-0.138
A005999_01	-0.827	-0.753	-0.45	0.051	-0.303	-0.198	-0.23	-0.003
A006003_01	-0.221	-0.156	-0.141	0.05	0.074	-0.013	-0.04	-0.014
A006014_01	0.394	0.25 NA		0.14	0.205	0.439 NA		0.091
A006015_01	0.234	-0.043	-0.332	-0.371	-0.155	-0.191	-0.355	-0.441
A006017_01	0.59	0.235	-0.058	-0.01	0.074	0.051	-0.137	-0.202
A006021_01	0.157	0.442	0.244	-0.026	0.542	0.999	-0.033	-0.009
A006022_01	-0.345	-0.395	-0.145	-0.206	-0.19	-0.022	-0.043	0.167
A006027_01	-0.07	0.2	0.248	0.198	-0.258	0.194	-0.188	0.113
A006030_01	-1.126	-1.255	-0.966	-0.434	-0.254	-0.159	-0.217	-0.056
A006032_01	0.206	0.079	0.031	-0.157	-0.045	-0.025	0.043	0.13
A006033_01	-0.453	-0.48	-0.694	0.143	-0.348	-0.386	-0.333	-0.215
A006034_01	0.244	0.114	-0.052	0.218	-0.078	0.014	0.134	0.131
A006035_01	0.02	-0.028	-0.062	0.002	-0.172	-0.307	0.089	0.104
A006036_01	0.287 NA		-0.264	0.318	-0.142 NA		0.059	0.02
A006039_01	-0.361	-0.189 NA		-0.96	-0.263	-0.124	-1.073	-0.631

A006040_01	-0.605	-0.704	-0.41	-0.139	-0.211	-0.626	-0.082	-0.106
A006041_01	-0.157	-0.334	-0.373	0.22	-0.382	-0.851	-0.53	-0.341
A006042_01	-0.336	-0.536	-0.084	0.079	-0.121	-0.142	-0.015	-0.153
A006043_01	-0.702	-0.677	-0.261	0.029	-0.001	0.114	-0.098	0.028
A006045_01	0.263	0.342	-0.183	0.235	0.028	0.161	-0.133	-0.08
A006046_01	-1.088	-1.035	-0.208	0.222	0.052	0.288	0.077	0.268
A006048_01	0.116	0.258	-0.046	-0.631	-0.155	0.143	-0.149	0.118
A006049_01	0.727	0.594	0.81	1.198	-0.401	-0.653	0.331	0.298
A006050_01	0.019	-0.16	0.006	-0.335	-0.03	-0.082	-0.004	-0.067
A006051_01	0.894	0.773	-0.304	-0.147	0.039	0.389	-0.135	-0.005
A006052_01	-0.3	-0.112	0.204	0.094	-0.225	-0.371	0.063	0.431
A006055_01	-0.018	-0.156	0.095	0.258	-0.019	-0.023	-0.152	-0.22
A006056_01	-0.415	-0.472	0.215	-0.004	0.127	0.312	0.231	0.214
A006058_01	0.213	0.065	-0.743	-0.37	-0.012	-0.022	-0.139	-0.202
A006059_01	-0.168	-0.125	-0.307	0.416	-0.085	-0.061	-0.081	0.103
A006060_01	0.052	0.114	0.274	-0.349	-0.026	0.178	0.085	0.127
A006063_01	0.731	0.768	0.821	1.174	-0.142	0.059	0.41	0.353
A006066_01	-0.442	-0.303	-0.065	0.231	-0.183	-0.495	-0.205 NA	
A006068_01	0.283	0.09	-0.006	-0.086	-0.409	-0.693	-0.614	-0.532
A006070_01	0.33	0.371	0.297	0.838	-0.249	-0.49	-0.099	0.327
A006073_01	-0.292	-0.235	-0.696	0.376	0.182	0.177	-0.122 NA	
A006077_01	0.119	0.118	0.014	-0.384	0.181	0.24	0.085	0.231
A006078_01	-0.08	-0.164	0.066	0.092	0.071	-0.118	0.111	-0.021
A006079_01	0.042	0.184	-0.1	0.164	-0.312	-0.205	-0.367	-0.303
A006082_01	0.012	-0.015	0.12	0.189	-0.13	-0.397	0.02	0.006
A006085_01	0.225	0.479	0.561	0.151	0.308	0.608	0.211 NA	
A006087_01	1.165	1.311	0.522	0.534	0.708	1.013	0.354	0.292
A006089_01	-0.721	-0.562	-0.72	-0.58	-0.459	-0.3	-0.267	-0.28
A006090_01	-0.127	-0.115	-0.198	0.481	-2.295	-2.332	-2.08	-1.567
A006092_01	0.193 NA		0.38	0.057 NA	NA		0.299	0.205
A006095_01	0.483	0.341	-0.176	-0.422	0.038	0.072	-0.168	-0.21
A006096_01	-0.19	-0.353	-0.21	0.301	0.13	-0.094	0.218	0.276
A006099_01	0.814	0.736	0.435	0.049	0.415	0.576	0.191	0.121
A006100_01	0.221	0.142	-0.153	0.199	-0.389	-0.614	-0.84	-0.655
A006101_01	-0.347	-0.271	-0.346	-0.026	-0.172	-0.072	-0.31	-0.033
A006102_01	-0.737	-0.853 NA		-1.073	-0.267	-0.533	-0.147 NA	
A006104_01	0.413	-0.083	0.262	-0.021	0.865	1.13	0.64	0.342
A006105_01	0.07	-0.111	-0.48	-1.032	0.201	0.215	-0.243	-0.378
A006110_01	-0.423	-0.445	-0.246	0.133	-0.127	-0.123	0.002	0.052
A006118_01	-0.001	-0.061	-0.14	0.164	-0.061	0.202	-0.009	0.092
A006119_01	-0.094	0.021	-0.132	0.079	0.045	-0.125	-0.094	-0.073
A006123_01	0.081	0.157	-0.098	-0.501	0.164	-0.044	0.006	0.021
A006124_01	-0.164	-0.181	-0.3	-0.068	-0.075	0.282	0.113	0.287
A006125_01	-0.296	-0.575	-0.056	-0.292	-0.078	-0.307	0.002	0.011
A006126_01	-0.504	-0.51	-0.333	0.274	-0.707	-0.975	-0.291	-0.462
A006132_01	-0.323	-0.126 NA		0.078	-0.003	0.006	-0.084 NA	
A006136_01	-0.084	-0.228	-0.123	0.452	-0.176 NA		-0.094 NA	
A006138_01	-0.422	-0.423	-0.329	-0.001	-0.273	-0.075	-0.183	-0.038
A006143_01	-0.432	-0.27	0.055	-0.368	-0.077	-0.146	-0.094	-0.01
A006146_01	-0.099	-0.153	0.124	-0.373	0.045	-0.103	0.133	0.077
A006152_01	0.084	-0.026	0.13	-0.113	0.081	-0.137	0.144	0.155
A006159_01	-0.26	-0.255	-0.559	-0.181	-0.29	0.017	-0.238	-0.062
A006163_01	-0.407	-0.529	-0.1	-0.02	-0.109	-0.341	-0.142	-0.192
A006164_01	0.095	-0.064	-0.341	-0.082	0.067	0.012	-0.092	-0.049
A006168_01	0.266	0.044	0.311	0.477	0.361	0.086	0.149	-0.152
A006169_01	-0.209	0.139	0.314	-0.041	-0.669	-0.163	0.07	0.383
A006172_01	0.002	0.077	0.198	-0.517	-0.019	0.067	0.046	0.063
A006173_01	-0.012	0.093	0.029	-0.003	-0.127	-0.097	0.047	0.067
A006175_01	-0.495	-0.255	0.159	0.098	-0.068	0.002	-0.05 NA	
A006177_01	-0.063 NA		-0.231	-0.314	0.073 NA		-0.288 NA	
A006178_01	-0.136	-0.302	0.499	0.019	-0.001	-0.084	0.078	-0.084
A006181_01	0.849	0.556	0.822	0.896	0.35	0.308	0.259	0.155
A006182_01	-0.078	-0.03	-0.356	0.119	0.107	0.305	0.066	0.115
A006185_01	-0.459	-0.224	-0.409	-0.414	-0.15	-0.028	-0.224	-0.08
A006189_01	0.185	0.27	0.427	0.384	0.098	0.025	-0.076	-0.108
A006191_01	0.414	0.355	0.366	-0.13	0.28	0.327	0.182	0.19
A006193_01	-0.3	-0.285	-0.353	-0.362	0.166	-0.028	-0.063	-0.04
A006195_01	-0.497	-0.38	-0.938	-0.553	-0.434	-0.461	-0.524	-0.224

A006197_01	-1.723	-1.608	-1.312	-0.725	-1.747	-1.61	-0.601	NA	
A006199_01	-0.271	-0.222	-0.008	-0.045	0.093	0.271	0.021		0.127
A006202_01	0.158	-0.056	0.082	0.19	-0.225	-0.512	0.01		-0.1
A006203_01	-0.505	-0.306	NA	0.137	-0.377	-0.32	NA	NA	
A006211_01	-0.334	-0.256	-0.44	-0.519	0.002	-0.045	-0.322		-0.075
A006212_01	-0.098	0.064	0.656	0.267	0.026	0.038	-0.202		-0.16
A006214_01	0.244	-0.019	-0.87	-1.093	NA	0.338	-1.01		-0.73
A006219_01	-0.06	-0.008	NA	NA	0.107	0.092	NA		0.041
A006220_01	-0.189	0.047	0.154	0.141	-0.099	0.035	-0.069		0.02
A006223_01	-0.037	0.04	-0.301	0.334	0.126	NA	-0.076		-0.125
A006226_01	-0.237	-0.105	-0.026	0.418	-0.171	-0.345	-0.009		-0.011
A006227_01	0.465	0.541	0.616	0.926	0.358	0.384	0.523		0.399
A006231_01	-0.039	0.08	-0.015	0.23	0.078	0.287	-0.034		0.061
A006233_01	-0.01	0.021	0.351	0.444	-0.271	NA	-0.02	NA	
A006235_01	-0.171	-0.189	-0.148	0.015	0.192	0.278	-0.511		-0.432
A006239_01	0.356	0.493	-0.073	0.158	0.13	0.41	0.114		-0.072
A006242_01	-0.069	0.181	0.075	0.503	-0.099	NA	0.031		-0.137
A006243_01	-0.001	-0.111	-0.566	-0.017	-0.173	-0.04	-0.073		-0.087
A006246_01	0.209	0.459	0.205	-0.789	0.226	0.532	0.31		0.378
A006251_01	-0.019	-0.096	-0.027	0.114	-0.23	-0.325	-0.111	NA	
A006252_01	-0.451	-0.215	-0.124	0.03	-0.018	NA	0.081		0.122
A006253_01	0.208	-0.079	-0.219	-0.478	0.279	0.271	-0.027		-0.278
A006254_01	0.329	0.31	-0.235	-0.163	0.004	0.165	0.18		0.269
A006257_01	-0.606	-0.613	-0.662	0.137	-0.094	-0.299	-0.088		-0.123
A006260_01	0.148	-0.037	-0.755	-1.487	-0.095	0.147	-0.424		-0.265
A006261_01	0.003	0.209	-0.272	0.026	-0.041	0.009	-0.012		0.089
A006263_01	0.024	0.001	0.282	0.114	0.007	-0.083	-0.151		-0.122
A006264_01	-1.158	-1.193	-1.113	-1.212	-0.638	-0.689	-0.748		-0.683
A006269_01	-0.55	-0.411	-0.056	-0.042	-0.068	-0.027	-0.007	NA	
A006273_01	-0.194	-0.14	-0.516	-0.955	-0.17	0.183	-0.082		0.118
A006277_01	0.277	0.362	0.482	0.444	0.35	0.211	0.283		0.104
A006278_01	-0.07	0.047	0	0.305	0.341	0.558	0.437		0.409
A006282_01	-0.959	-1.022	-0.021	0.274	-0.345	-0.59	-0.159		-0.171
A006284_01	-0.617	-0.625	NA	NA	-0.896	-1.222	-0.585	NA	
A006288_01	0.011	0.152	-0.126	0.494	0.069	0.082	-0.063		0.005
A006291_01	-0.241	0.309	0.161	-0.201	0.071	0.702	0.444		0.739
A006298_01	-0.455	-0.008	0.088	0.568	-0.297	-0.066	0.059		0.363
A006313_01	-0.754	-0.382	-0.841	-0.375	-0.22	-0.083	-0.133		0.044
A006316_01	0.08	0.386	NA	-0.212	0.029	0.256	0.019	NA	
A006323_01	-0.631	-0.576	-0.143	0.094	0.03	0.018	0.013		0.094
A006324_01	0.121	0.07	-0.032	0.3	0.03	0.076	0.11		0
A006327_01	-0.176	-0.095	0.27	0.102	0.168	0.226	-0.067	NA	
A006329_01	-0.495	-0.419	-1.006	NA	-0.188	-0.283	-0.35	NA	
A006330_01	-0.228	-0.174	0.17	0.065	NA	NA	0.169		-0.017
A006331_01	-0.251	-0.142	-0.053	0.422	-0.017	-0.261	-0.208		-0.2
A006342_01	0.123	0.184	0.287	0.146	0.111	NA	0.045		0.121
A006345_01	-0.399	-0.393	0.011	0.248	-0.178	-0.254	0.443		0.425
A006350_01	-0.407	-0.136	-0.3	0.165	-0.366	-0.256	-0.401		-0.304
A006351_01	-0.164	0.134	-0.093	0.034	-0.14	-0.021	-0.035		0.24
A006357_01	-0.405	-0.328	0.021	0.151	-0.082	-0.057	0.003		0.008
A006373_01	0.37	0.594	0.348	-0.252	0.201	0.461	-0.002		-0.061
A006374_01	-0.377	0.075	0.29	0.321	-0.32	-0.295	-0.211		0.268
A006378_01	0.325	0.321	0.199	-0.018	0.169	0.289	0.062		0.072
A006384_01	0.216	0.285	0.296	-0.092	0.017	0.042	-0.002		0.098
A006385_01	-0.301	-0.177	0.212	-0.05	0.017	-0.273	-0.123		-0.054
A006387_01	-1.156	-1.402	-0.902	-0.872	-0.186	-0.307	0.092		0.05
A006388_01	0.195	0.396	0.416	0.651	0.085	0.341	0.265		0.266
A006389_01	-1.035	-0.776	0.029	-0.086	-0.494	-0.475	0.078		0.222
A006400_01	0.017	-0.178	0.078	0.058	0.012	-0.268	-0.247		-0.275
A006402_01	0.022	-0.09	0.091	0.261	0.069	-0.176	-0.043		-0.014
A006419_01	-0.194	-0.217	-0.145	0.328	-0.171	-0.058	-0.178		0.003
A006421_01	0.566	0.58	-0.112	0.057	0.21	0.648	0.326		0.334
A006422_01	0.113	NA	-0.325	-0.298	0.165	NA	-0.417		-0.39
A006429_01	-0.399	-0.523	-1.148	-0.175	-0.376	-0.139	-0.478	NA	
A006432_01	0.393	0.586	0.153	-0.343	0.233	0.412	0.091		0.041
A006436_01	0.274	0.424	0.147	-0.042	0.093	0.063	-0.051		-0.085
A006441_01	-0.615	-0.692	-1.239	-0.955	-0.381	-0.473	-1.678	NA	
A006442_01	-0.144	0.413	0.097	0.022	-0.049	0.242	0.183		0.394

A006451_01	-0.273	-0.018	0.352	0.195	-0.173	-0.17	0.097	0.14
A006453_01	-0.296	-0.307	-0.089	0.108	0.001	-0.038	-0.066	-0.011
A006456_01	-0.859	-0.7	0.011	0.586	-1.127	-1.115	-0.175	-0.113
A006491_01	-0.055	-0.022	-0.265	-0.176	0.073	0.139	0.017	0.135
A006523_01	-0.395	-0.123	0.269	0.015	-0.291	-0.166	-0.153	0.041
A006529_01	0.37	0.361	0.158	-0.208	0.482	0.459	0.192	0.205
A006550_01	-0.15	-0.196	-0.283	-0.08	0.13	0.011	0.068	-0.14
A006556_01	-0.364	-0.352	0.235	0.259	-0.097	-0.405	0.345	0.231
A006564_01	-0.016	-0.25	-0.178	0.112	0.13	0.041	-0.247	-0.094
A006565_01	-0.21	-0.098	-0.132	-0.105	0.111	-0.051	-0.395 NA	
A006567_01	-1.258	-1.139	-0.471	0.004	-0.614	-0.61	-0.21	-0.023
A006568_01	-0.411	-0.402	-0.621	-0.749	-0.197	-0.173	-0.272	-0.144
A006569_01	-0.088	-0.014	-0.002	0.133	0.19	0.049	-0.024	0.001
A006573_01	-0.325	0.109	0.22	0.223	-0.29	-0.118	-0.187	0.2
A006574_01	-0.527	-0.002	0.227	0.168	-0.397	-0.063	-0.126	0.291
A006575_01	-0.424	-0.047	0.076	-0.002	0.01	0.063	0.009	0.134
A006579_01	0.304	0.045	0.248	0.347	0.17	-0.09	0.022	-0.256
A006580_01	0.309	0.167	0.512	0.335	0.049	0.069	0.213	0.209
A006581_01	-0.107	-0.202	0.075	0.398	0.305	0.289	0.053	-0.142
A006585_01	-0.844	0.043	0.454	-0.124	-0.543	0.078	-0.124	0.459
A006586_01	-0.452	0.033	0.143	0.106	-0.116	-0.046	-0.098	0.164
A006595_01	-0.299	-0.362	-0.692 NA		-0.189	-0.169	-0.295 NA	
A006596_01	-1.643	-1.113	-0.261	-0.574	-1.128	-0.61	-0.423	0.095
A006597_01	-1.337	-0.717	0.01 NA		-0.818	-0.353	-0.282	0.241
A006598_01	-1.043	-0.244	-0.123 NA		-0.496	-0.142	-0.361	0.376
A006603_01	0.734	0.88	0.444	0.208	0.299	0.438	0.336	0.38
A006610_01	0.11	0.287	-0.105	-0.453	0.016	-0.154	-0.19	-0.056
A006611_01	-0.344	-0.223	-0.337	-0.362	0.016	0.042	-0.282	-0.186
A006619_01	0.007	0.231	0.043	-0.203	0.353	0.195	0.139	0.085
A006622_01	-2.152	-2.679	-2.053	-2.315	-1.235	-1.378	-0.803	-0.565
A006637_01	-0.517	-0.449	0.088	0.529	-0.138	-0.136	-0.056 NA	
A006660_01	0.242	0.097	0.435	0.154	0.084	0.028	-0.148 NA	
A006664_01	-0.335	-0.159	0.001	0.022	0.018	-0.035	0.01	0.045
A006665_01	0.813	0.646	0.354	-0.089	0.127	0.336	0.138	0.03
A006674_01	-0.579	-0.628 NA		-0.113	-0.182 NA		-0.211	-0.283
A006676_01	0.358	0.667	0.228	0.191	0.08	0.169	-0.177	0.035
A006681_01	-0.565	-0.502	0.076	-0.039	-0.068	0.005	-0.001	0.177
A006684_01	-0.485	-0.58	-0.272	0.029	-0.28	-0.406	-0.123	-0.094
A006688_01	0.156	0.185	-0.162	0.036	0.083	0.195	-0.095	0.015
A006689_01	-0.24	-0.067	-0.012	0.008	-0.03	-0.253	-0.16	-0.17
A006692_01	0.074	0.017	-0.182	-0.535	0.086	-0.033	-0.085	-0.083
A006694_01	0.298	0.253	0.222	0.253	0.122	0.098	-0.1	-0.022
A006696_01	0.296	0.288	0.231	0.044	0.254	0.172	0.135	-0.056
A006708_01	0.472	0.649	0.542	0.275	0.533	0.498	0.203	0.06
A006710_01	-0.267	-0.099	0.037	-0.061	0.036	0.162	-0.176	-0.149
A006715_01	0.029	0.108	0.155	0.215	0.144	-0.079	0.209	0.058
A006716_01	0.022	-0.18	0.558	0.655	0.147	-0.164	0.571	0.411
A006724_01	0.587	0.734	0.873	0.974	0.193	0.294	0.189	0.173
A006726_01	0.479	0.519	0.124	-0.109	-0.864	-0.482	0.014 NA	
A006730_01	0.075	0.472	0.149	-0.362	0.309	0.474	0.134	0.224
A006733_01	-0.455	-0.537	0.071	-0.431	0.045	-0.29	-0.019	-0.237
A006735_01	-0.092	-0.027	-0.297	-0.001	0.027	0.006	-0.121	-0.184
A006736_01	-1.748	-1.815	-2.09	-1.807	-0.642	-0.585	-0.926	-0.688
A006737_01	0.209	0.076	0.121	-0.102	0.109	-0.034	0.058	-0.149
A006738_01	0.117	0.073	0.038	-0.201	-0.024	-0.057	0.124	0.107
A006742_01	0.145	-0.135	-0.194	0.128	-0.091	0.106	-0.277	-0.307
A006744_01	-0.068	-0.119	0.187	0.111	0.131	0.257	0.343	0.199
A006748_01	-0.267	-0.373	0.165	0.376	0.069	-0.105	0.209	0.133
A006754_01	-0.732	-0.658	-0.291	-0.409	-0.394	-0.188	0.072	0.194
A006755_01	0.492	0.49	0.643	-0.201	0.457	0.671	0.515 NA	
A006761_01	-0.794	-0.621	-0.224	-0.284	-0.349	-0.259	0.381	0.387
A006763_01	0.161	0.352	0.328	0.038 NA		0.485	0.405	0.065
A006769_01	-0.393	-0.541	-0.214	0.166	0.201	-0.137	-0.28	-0.243
A006771_01	0.042	0.069	-0.155	-0.036	-0.06	0.132	-0.157	-0.003
A006781_01	0.41	0.279	0.025	0.187	0.062	-0.037	0.042	-0.022
A006787_01	-0.033	-0.182	-0.497	-0.317	0.008	0.17	-0.092	-0.102
A006789_01	-1.02	-1.13	-0.539	-0.281	-0.241	-0.778	0.357	0.057
A006790_01	0.419	0.515	0.225	0.294	0.14	0.38	0.206	0.298

A006794_01	0.186	0.26	0.024	0.234	0.078	0.247	-0.196	0.056
A006797_01	0.504	0.462	-0.059	0.212	0.043	-0.076	-0.058	-0.22
A006799_01	-0.16	-0.356	-0.383	0.063	0.319	0.33	0.087	0.01
A006800_01	0.254	0.119	-0.677	-1.274	-0.03 NA		-0.145	-0.358
A006802_01	-2.272 NA		-1.775	-1.627	-1.804	-2.413	-0.143	-0.2
A006803_01	-0.146	0.157	-0.096	0.091	-0.005	0.103	0.2	0.193
A006804_01	0.142	0.149	0.225	-0.024	0.215	0.24	0.091	0.173
A006805_01	-0.124	-0.057	0.09	0.354	-0.054	0.117	0.067	0.158
A006806_01	-0.539	-0.644	-0.231	-0.155	-0.006	-0.176	0.069	-0.093
A006808_01	-0.2	-0.045	0.287	0.277	0.018	-0.047	0.161	0.003
A006809_01	-0.047	0.009	0.143 NA		-0.107	-0.261	-0.239 NA	
A006811_01	0.024	-0.167	0.221	-0.163	0.046	0.147	0.237	-0.017
A006815_01	-0.016	-0.174	-0.054	0.13	0.222	-0.029	0.028	-0.098
A006816_01	-0.325	-0.219	0.024	-0.121	-0.296	-0.343	-0.032	-0.098
A006817_01	-0.191	0.063	0.013	-0.175	0.072	0.039	-0.167	-0.129
A006819_01	-0.209	-0.324	-0.138	-0.218	-0.132	-0.09	-0.049	0.094
A006821_01	-0.128	-0.166	-0.101	0.064	-0.108	-0.144	-0.154	-0.244
A006822_01	-0.505	-0.459	-0.686	-0.128	-0.047	-0.105	0.021 NA	
A006824_01	0.935	0.894	0.633	1.318	-0.239 NA		-0.435	-0.323
A006826_01	-0.094	0.034	0.215	0.365	0.038	0.219	-0.416	-0.184
A006827_01	0.124	0.022	0.521	0.149	0.479	0.48	0.589	0.522
A006828_01	-0.463	-0.199	0.011	0.086	-0.145	-0.008	-0.159 NA	
A006829_01	-0.197	-0.261	-0.251	-0.351	-0.074	0.075	0.087	-0.005
A006830_01	-0.344	0.152	0.101	0.003	0.124	0.377	-0.283	0.132
A006831_01	-0.011	0.14	0.142	0.16	0.266	0.194	-0.069	-0.043
A006832_01	-0.322	-0.278	-0.455	-0.41	0.058	-0.016	-0.096	-0.128
A006847_01	-0.033	-0.167	0.213	0.699	-0.502	-0.966	-0.094	-0.102
A006849_01	-0.177	0.049	-0.077	0.166	0.163	0.031	-0.249	0.041
A006850_01	-0.127	-0.103	0.114	0.346	-0.029	-0.135	-0.146 NA	
A006852_01	-0.279	-0.28	0.238	-0.376	0.074	-0.036	-0.117	-0.089
A006854_01	-0.43	-0.356	-0.353	-0.6	-0.195	-0.366	-0.21	-0.282
A006857_01	-0.01	0.024	-0.204	0.424	-0.196	-0.067	-0.311 NA	
A006864_01	-0.144	0.005	0.109	0.357	0.008	-0.158	-0.174	-0.003
A006867_01	-0.035	-0.065	-0.22	0.165	-0.137	-0.252	-0.145	-0.121
A006868_01	-0.217	0.14	-0.396	0.284	-0.057	0.416	-0.35 NA	
A006869_01	-0.359	-0.34	0.13	-0.759	-0.069	-0.106	0.197	0.159
A006871_01	-0.125	0.125	-0.07	-0.259	0.102	-0.048	-0.111	-0.1
A006876_01	0.101	0.27	0.088	0.159	0.003	0.039	0.033	0.069
A006880_01	0.041	-0.045	0.216	0.087	0.083	-0.066	0.171	0.174
A006882_01	-0.151	0.025	-0.015	0.247	-0.184	-0.025	-0.129	-0.131
A006885_01	0.229	0.169	-0.125	-0.096	0.22	0.333	-0.366	-0.313
A006890_01	0.43	0.341	0.097	-0.304	0.137	0.332	0.255	0.058
A006893_01	-0.093	-0.097	-0.391	-0.355	-0.093	0.001	-0.187	-0.232
A006896_01	0.314	0.441	0.342	0.033	0.269	0.246	0.059	0.081
A006897_01	-0.595	-0.627	-0.106	-0.5	-0.034	0.045	0.348	0.322
A006907_01	0.135	0.292	-0.131	-0.029	0.19	0.187	0.07	0.018
A006913_01	-0.444	-0.235	-0.065	-0.134	-0.733	-0.415	0.13	0.411
A006918_01	-0.048	-0.134	-0.248	-0.255	0.005	-0.096	0.023	0.044
A006919_01	-0.281	-0.101	0.585	0.278	0.558	0.635	0.038	0.14
A006924_01	-0.07	0.172	0.408	0.324	0.407	0.611	-0.205	-0.281
A006928_01	0.259	0.374	-0.332	0.099	-0.052	-0.062	-0.222 NA	
A006935_01	0.58	0.527	0.696	0.853	0.624	0.93	0.568 NA	
A006937_01	0.308	0.328	-0.088	0.291	0.009	-0.096	-0.201	-0.057
A006944_01	-0.896	-0.953	-0.623	-1.353	-0.17	-0.179	-0.02	0.155
A006948_01	0.064	-0.048	0.339	-0.055	0.322	-0.048	0.367	0.288
A006949_01	-0.101	-0.212	-0.193	0.298	-0.163	-0.081	-0.14	-0.135
A006954_01	-0.127	-0.249	-0.275	-0.529	0.146	-0.037	0.003	0.121
A006959_01	-0.269	-0.146	-0.195	0.008	0.051	-0.121	0.076	0.046
A006971_01	0.516	0.463	0.526	-0.122	0.307	0.636	0.246	0.299
A006972_01	-0.144	-0.088	-0.244	-0.089	-0.403	-0.5	-0.087	-0.017
A006974_01	0.157	0.052	-0.7	-0.603	-0.093	0.157	-0.377 NA	
A006975_01	-0.029	-0.05	-0.61	-0.741	0.215	0.29	-0.951	-0.869
A006984_01	0.414	0.361	0.2	0.13	0.011	-0.236	-0.17	-0.283
A006988_01	0.137	0.293	0.303	0.086	-0.091	-0.12	0.043	0.111
A006992_01	0.588	0.522	0.325	0.321	0.046	0.23	0.144	0.133
A007000_01	-0.344	-0.44	-0.331	-0.044	-0.114	-0.096	-0.211	-0.302
A007002_01	0.048	0.14	-0.428	0.526	0.036	0.093	-0.132	-0.088
A007010_01	0.054	0.067	0.407	0.21	-0.087	-0.074	-0.045 NA	

A007017_01	-0.41	-0.735	-0.397	-0.267	0.114	-0.033	0.18 NA	
A007021_01	-0.243	0.021	0.056	0.028	-0.122	-0.122	-0.075	-0.006
A007023_01	0.226	0.157	-0.501	0.165	-0.019	0.098	-0.053	-0.215
A007045_01	-0.041	0.059	0.282	-0.377	0.255	0.072	-0.107 NA	
A007051_01	-0.408	-0.083	0.298	0.203	-1.123	-1.387	-0.207 NA	
A007052_01	-0.528	-0.328	-0.222	-0.381	-0.1	0.062	-0.02	0.091
A007054_01	0.538	0.64	0.593	0.187	0.116	0.241	0.515	0.336
A007058_01	-0.612	-0.695	-0.464	-0.405	0.388	0.359	0.073 NA	
A007061_01	0.137	-0.297	0.253	0.649	-0.263	-0.484	-0.109	-0.122
A007062_01	0.021	0.113	-0.052	-0.158	-0.182 NA		0.086	-0.014
A007064_01	0.682	0.876	0.544	0.975	0.221	0.074	0.57	0.595
A007067_01	0.176	0.246	0.311	0.291	0.026	0.043	-0.14	0.015
A007073_01	0.348	0.232	0.804	0.589	0.591	0.461	0.529	0.443
A007075_01	-0.292	-0.19	-0.246	0.075	-0.102	0.15	-0.242	-0.228
A007087_01	0.046	0.019	-0.636	-0.821	-0.139 NA		-0.125	-0.236
A007090_01	-0.142	-0.176	-0.004	-0.033	0.063	0.155	-0.091	-0.01
A007093_01	-0.23	-0.143	-0.077	0.238	0.086	0.067	0.099	0.061
A007098_01	0.073	0.269	0.415	-0.144	0.248	0.251	-0.163 NA	
A007103_01	0.061	0.124	-0.017	0.061	0.1	-0.004	-0.239	-0.046
A007112_01	0.191	0.057	-0.119	-0.157	0.181	0.211	0.146 NA	
A007117_01	0.335	0.362	-0.025	-0.358	0.254	0.37	0.091	0.043
A007119_01	-0.203	-0.259	-0.384	0.086	0.022	0.3	-0.022	-0.027
A007130_01	0.456	0.443	-0.03	0.136	-0.067	-0.052	-0.05	-0.043
A007131_01	0.02	-0.42	-0.257	-0.067	0.195	0.118	0.027	-0.038
A007132_01	0.182 NA		0.108	0.16	-0.074 NA		-0.124	-0.134
A007142_01	-0.341	-0.322	0.045	-0.156	-0.305	-0.547	0.015	0.002
A007148_01	-0.104	-0.223	0.166	-0.022	-0.11	-0.006	0.027	-0.038
A007152_01	0.311	0.414	0.446	0.665	0.003	0.151	0.089	0.022
A007153_01	0.126	-0.079	0.005	0.12	0.119	-0.051	-0.014	-0.101
A007158_01	-0.067	-0.136	-0.049	-0.006	0.074	0.107	-0.023	0.077
A007167_01	-0.266	-0.289	-0.192	-0.588	0.135	0.109	-0.358	-0.23
A007169_01	0.218	0.016	-0.007	0.135	0.118	0.149	0.132	-0.028
A007170_01	0.243	0.242	0.525	0.251	0.021	0.286	0.099	0.091
A007173_01	-0.043	-0.034	-0.266	0.149	0.029	-0.122	-0.05	-0.055
A007183_01	0.237	0.127	0.086	-0.062	0.279	0.099	0.031	-0.144
A007211_01	-0.702	-0.326	-0.211	-0.638	-0.258	-0.083	0.17	0.277
A007218_01	-0.479	-0.339 NA		0.322	-0.594	-0.672	-0.272 NA	
A007219_01	-0.337	-0.255	-0.193	-0.859	-0.279	-0.422	-0.187	-0.064
A007221_01	0.126	-0.165	-0.225	-0.055	0.037	0.12	-0.037	-0.025
A007222_01	0.405	0.501	0.258	-0.363	0.174	0.266	-0.137	-0.177
A007225_01	-0.371	-0.364	-0.325	0.096	-0.217 NA		-0.202	-0.133
A007228_01	0.384	0.248	0.383	0.373	-0.022	-0.196	0.087	0.053
A007234_01	-0.448	-0.574	-0.278	0.147	-0.22	-0.194	-0.181	0.009
A007242_01	-0.096	-0.24	0.313	0.112	0.134	-0.037	0.13 NA	
A007243_01	-0.573	-0.826	-0.223	-0.645	-0.076	-0.306	0.162 NA	
A007245_01	-0.128	-0.275 NA		-0.018	0.038	-0.176	0.096	-0.143
A007246_01	-0.468	-0.994	-1.169	-1.014	-0.895	-1.708	-1.529	-0.963
A007250_01	0.314	0.233	0.121	-0.144	0.223	0.265	0.06	-0.044
A007251_01	-0.998 NA		-1.145	-0.968	-0.633 NA		-0.201	-0.246
A007252_01	0.167	0.314	-0.217	-0.135	-0.338	-0.029	-0.135	0.073
A007255_01	-0.473	-0.351	-0.314	-0.236	-0.022 NA		0.155 NA	
A007256_01	0.602	0.463	0.69	0.813	0.31 NA		0.404	0.137
A007258_01	0.364	0.423	0.379	0.055	0.115	0.133	0.032	0.259
A007259_01	-0.155	-0.216	-0.1	-0.022	-0.245	-0.331	-0.181	-0.193
A007260_01	-0.898	-1.152	-1.099	-1.103	-0.32	-0.627	-0.179	-0.116
A007262_01	0.091	0.251	0.267	0.565	-0.076	0.166	-0.076	0.049
A007265_01	-0.051	-0.049	-0.083	0.136	0.039	0.061	-0.124	-0.031
A007266_01	0.169	0.087	0.373	-0.229	0.386	0.219	0.177	0.164
A007268_01	-0.139	-0.285	0.106	-0.243	0.149	0.072	0.019	-0.075
A007272_01	0.136	0.233	-0.228	-0.558	-0.092	0.362	-0.105 NA	
A007273_01	0	0.154	-0.088	-0.131	-0.055 NA		0.115 NA	
A007274_01	-0.006	-0.339	0.17	-0.09	0.182	0.262	-0.034	0.092
A007275_01	0.076 NA		-0.044	-0.015	-0.106 NA		-0.047	-0.061
A007277_01	0.296	0.19	0.452	-0.026	0.144	0.11	0.118	0.049
A007278_01	-0.817	-0.662	0.067	0.113	-0.258	-0.405	0.123	0.112
A007279_01	0.519	0.552	0.619	-0.098	0.211	0.414	0.401	0.344
A007280_01	-0.345	-0.645	-0.08	-0.566	-0.237	-0.366	0.011	-0.051
A007281_01	0.116	0.114	-0.294	-0.129	0.195	0.138	-0.055	-0.108

A007283_01	-0.018	-0.192	-0.404	-0.836	0.233	0.319	0	-0.084
A007284_01	-0.446 NA		-0.896	-0.341	0.129 NA		-0.089	-0.198
A007285_01	-0.722	-0.478	-0.009	0.267	-0.092	0.075	0.371	0.677
A007287_01	0.065	-0.014	-0.419	-0.074	0.083	0.184	-0.072	-0.002
A007288_01	0.85	0.755	0.23	-0.883	0.273	0.49	0.135	-0.12
A007290_01	0.374	0.27	-0.312	0.048	-0.057	0.036	-0.309	-0.411
A007291_01	-0.023	0.056	0.869	1.032	0.99	0.933	0.388	0.413
A007293_01	0.175	-0.025	-0.288	0.168	0.12	0.313	-0.068	-0.011
A007294_01	-0.668	-1.278	-0.834	-0.699	-0.294	-0.523	-0.259	-0.357
A007297_01	-0.564	-0.24	-0.454	0.109	-0.178	0.058	0.044	0.05
A007298_01	-0.07	-0.141	-0.323	-0.168	-0.099	-0.34	-0.056	0.042
A007299_01	-0.09	-0.455	-0.271	0.209	0.124	-0.059	0.208	0.008
A007300_01	-0.013	-0.163	0.573	0.494	-0.241	-0.43	0.15	0.087
A007302_01	-1.644	-1.872	-0.571	-0.75	-0.957	-1.155	-0.299	-0.204
A007303_01	0.223	0.288	0.533	0.033	-0.036	-0.162	0.153	0.027
A007305_01	-1.214	-1.102	-0.319	0.001	-1.623	-1.993	-0.462	-0.262
A007306_01	0.624	0.467	0.22	0.277	-0.308	0.101	0.383	0.442
A007307_01	0.067	0.286	0.039	0.254	0.047	0.058	-0.214	-0.075
A007309_01	0.171	0.02	-0.153	-0.016	0.075	0.181	0.095	0.157
A007310_01	0.111	0.012	0.002	-0.255	-0.039	0.114	-0.091	-0.035
A007311_01	1.145	0.933	0.494	0.547	0.261	0.354	0.147	0.097
A007313_01	-0.032 NA		0.416	0.061	-0.317	-0.283	0.372 NA	
A007314_01	-0.116	0.091	-0.147	-0.034	-0.303	-0.099	-0.232	-0.181
A007315_01	0.242	0.271	0.198	-0.665	-0.076	0.209	0.029	0.194
A007317_01	0.557	0.482	0.275	0.07	-0.031 NA		0.169	0.125
A007318_01	-0.339	-0.326	-0.067	0.084	-0.617	-0.776	-0.143	-0.098
A007320_01	0.397	0.542	0.177	0.281	-0.072	0.178	-0.014	0.014
A007322_01	0.235	0.229	-0.16	-0.1	0.192	0.406	-0.149	-0.122
A007324_01	-0.106	0.181	-0.19	0.46	0.075	0.128	-0.247 NA	
A007325_01	0.745	0.631	0.431	0.547	0.3	0.537	0.36	0.376
A007327_01	-0.295	-0.057	0.01	-0.435	-0.276	-0.06	0.208	0.27
A007331_01	-0.028	-0.134	-0.471	0.077	-0.063	-0.461	-0.218	-0.144
A007333_01	0.061	-0.069	-0.213	0.384	0.211	-0.177	-0.2	-0.166
A007334_01	-0.801	-1.071	-0.606	-0.895	-0.56	-0.841	-0.355	-0.198
A007335_01	0.093	0.104	-0.104	-0.272	0.268	0.198	0.022	-0.055
A007336_01	0.313	0.11	0.383	0.516	0.414	0.451	0.086	0.039
A007338_01	-0.166	-0.316	-0.203	0.062	-0.21	-0.29	-0.257	-0.105
A007340_01	-0.05	-0.015	-0.031	0.384	-0.247	-0.276	-0.038	-0.03
A007341_01	-0.781	-0.795	-0.671	-0.68	-0.559 NA		0.128	0.069
A007342_01	-0.138	-0.417	0.241	0.406	-0.19	-0.467	-0.261	-0.214
A007347_01	0.485	0.79	0.605	0.506	-0.062	0.005	0.146	0.427
A007348_01	0.189	0.21	0.381	-0.219	0.142	0.231	0.216	0.259
A007349_01	-0.548	-0.539	-0.529	0.315	-0.19	-0.276	-0.255	-0.073
A007351_01	-0.092	-0.087	-0.131	-0.574	-0.052	-0.363	-0.165	-0.153
A007353_01	-2.904	-2.608	-1.116	-1.136	-1.693	-1.427	-0.652	-0.179
A007354_01	-0.238 NA		-0.441	-0.033	0.112	0.137	-0.128 NA	
A007357_01	0.777	0.596	0.023	0.665	-0.167	-0.122	-0.529	-0.429
A007361_01	-0.392	-0.388	-0.268	-0.155	-0.08	-0.225	-0.264 NA	
A007362_01	0.846	1.001	0.08	0.259	0.473	1.024	-0.162	0.158
A007363_01	0.067	0.195	0.326	0.171	-0.049	-0.041	0.008	-0.061
A007364_01	0.149	0.074	-0.04	0	0.021	-0.023	-0.095	-0.068
A007365_01	0.077	0.109	0.465	0.703	0.005 NA		0.192	0.116
A007366_01	-0.093	-0.092	-0.008	-0.078	0.04	-0.042	-0.022	-0.178
A007367_01	-0.414	-0.213	-0.711	-0.483	-0.739	-0.514	-0.087	-0.066
A007370_01	0.646	0.743	0.217	0.019	0.058	0.381	0.179	0.409
A007372_01	-0.257	-0.379	-0.117	-0.17	-0.061	0.001	-0.012	-0.079
A007373_01	0.277	0.122	-0.204	0.228	0.114	-0.029	-0.111	-0.145
A007375_01	-0.001	-0.127	0.053	0.062	0.189	0.168	0.21	0.186
A007379_01	-0.019	0	0.765	0.756	0.162	0.061	0.311	0.245
A007382_01	1.02	0.799	0.32	0.237	0.4	0.472	0.188	0.075
A007383_01	-0.497	-0.693	-0.135	-0.2	-0.061	0.192	0.379	0.262
A007384_01	-0.037	0.024	-0.026	-0.113	0.062	0.214	-0.086	0.027
A007385_01	-1.056	-1.332	-0.463	-0.941	-0.525	-0.756	0.006	-0.133
A007386_01	0.345	0.363	0.39	0.496	0.303	0.251	-0.06 NA	
A007387_01	0.356	0.058	-0.114	0.294	0.067	-0.102	-0.125	-0.146
A007394_01	-0.057 NA		-0.219	0.173	-0.073 NA		-0.024	0.024
A007395_01	0.037	0.131	-0.029	-0.61	0.004	0.139	0.143	0.083
A007405_01	0.392	0.285	-0.101	-0.214	0.279	0.497	0.041	-0.027

A007406_01	0.455	0.21	-0.012	-0.226	0.076	0.183	0.013	-0.008
A007409_01	-0.09	-0.017	0.382	0.494	-0.089	-0.275	0.161 NA	
A007414_01	-0.033	0.012	0.359	0.42	0.034	0.145	0.487	0.437
A007422_01	0.017	0.073	0.156	0.306	0.12	0.115	0.308	0.185
A007424_01	0.082	0.243 NA		0.258	0.147	0.066	0.031	0.069
A007428_01	-0.928	-0.871 NA		-0.392	-0.281	-0.388	-0.349	-0.15
A007429_01	-0.024	-0.168	-0.929	-0.908	0.298	0.479	-0.016	-0.042
A007430_01	-0.277	-0.269	-0.081	-0.152	0.025	-0.226	-0.21	-0.122
A007431_01	0.05	0.014	0.151	-0.011	0.214	0.082	-0.143	-0.058
A007433_01	-1.306	-1.182	-1.15	-1.657	-0.085	0.107	-0.015	0.1
A007434_01	0.201	0.043	0.037	-0.024	0.087	0.25	-0.215	-0.122
A007435_01	-0.203	-0.215	-0.068	0.159	0.185	-0.083	-0.126	-0.003
A007436_01	-0.141	0.238	0.577	0.304	-0.272	-0.069	0.29	0.395
A007438_01	-0.203	-0.266	-0.167	0.063	0.103	0.017	-0.122	-0.078
A007442_01	-0.956	-0.972	-0.486	-0.545	-0.476	-0.462	-0.405	-0.111
A007445_01	-0.248	-0.269	0.142	0.254	0.052	-0.136	-0.022	0.179
A007459_01	0.496	0.755	0.4	0.073	-0.425	-0.491	-0.214	-0.089
A007468_01	-0.256	-0.224 NA	NA		0.015 NA		-0.191 NA	
A007475_01	0.454	0.567	0.58	0.797	-1.052	-1.452	-0.25	-0.017
A007479_01	-0.152	-0.033 NA		0.586	0.305	0.175	-0.333 NA	
A007484_01	-0.182	-0.167	-0.451	0.133	-0.079	-0.323	-0.325	-0.276
A007485_01	0.212	0.179	-0.143	0.038	0.04	0.115	-0.095	-0.017
A007498_01	-0.082	0.085	-0.21	-0.537	0.035	0.041	0.045 NA	
A007499_01	0.521	0.649	0.199	-0.049	0.077	0.541	0.179	0.278
A007502_01	-0.362	-0.207 NA		-0.236	-0.414	-0.192	-0.324	-0.039
A007508_01	0.238	0.119	-0.454	0.169	-0.255	0.04	-0.138	-0.068
A007510_01	-0.446	-0.418	0.29	0.079	-0.103	-0.26	-0.06 NA	
A007513_01	-0.135	-0.061	-0.211	0.41	-0.14	-0.131	-0.301	-0.194
A007519_01	-0.016	0.031 NA		0.622	-0.085	-0.161	-0.068	-0.029
A007520_01	-0.573	-0.526	-0.136	0.133	-0.053	0.003	0.101	0.103
A007521_01	-0.318	-0.393	-0.25	0.185	0.037	-0.212	-0.053 NA	
A007522_01	0.092	0.123	-0.073	0.114	0.024	0.009	-0.018	0.106
A007524_01	0.061	-0.106	0.144	-0.105	0.321	0.132	-0.011	-0.056
A007526_01	0.219	0.425	0.102	-0.456	0.233	0.4	-0.024	0.165
A007530_01	0.275	0.241	0.074	-0.245	0.243	0.581	0.045	0.148
A007535_01	0.37	0.344	0.033	0.325	0.722	0.974	-0.043	0.169
A007537_01	-0.108	0	0.276	-0.136	0.278	0.38	0.103	0.171
A007548_01	-1.375	-1.463	-0.26	-0.238	-0.019	0.013	0.608	0.745
A007549_01	0.241	0.017	-0.176	-0.088	0.042	0.187	-0.091	-0.098
A007554_01	0.282	0.271	-0.009	0.082	0.024 NA		0.09	0.147
A007555_01	-0.084 NA		0.015	0.28	-0.508 NA		-0.341	-0.337
A007564_01	-0.327	-0.504 NA	NA		-0.181 NA	NA	NA	
A007565_01	0.21	0.107	-0.294	0.067	0.153	-0.017	0.04	0.018
A007567_01	-0.124	0.281	0.227	0.213	0.035	0.079	-0.13	0.09
A007573_01	0.062	0.015	0.201	0.014	0.021	-0.229	0.192	0.045
A007575_01	0.503	0.61	0.277	-0.244	0.105	0.418	0.148	0.058
A007577_01	-0.029	0.064 NA		-0.251	0.13	0.441	0.263	0.242
A007582_01	0.475	0.08	0.601	-0.07	0.361	0.213	0.472 NA	
A007584_01	-0.192	-0.145	-0.077	-0.085	-0.257	-0.124	-0.11	0.035
A007589_01	-0.308	-0.271	-0.318	-0.155	-0.013	-0.007	0.053	-0.005
A007590_01	0.354	0.23	0.361	0.385 NA		0.48	0.137	-0.079
A007593_01	0.132	0.127	-0.244	-0.016	-0.207	-0.349	-0.329	-0.311
A007596_01	0.232	0.223	-0.086	-0.676 NA		0.442	0.088	0.078
A007597_01	0.686	0.539	0.068	-0.139	0.084	0.226	0.002	-0.098
A007599_01	-0.729 NA		-0.38	-0.358	-0.256	-0.275	0.207	0.135
A007600_01	-0.062	-0.034	-0.022	0.122	0.101	-0.09	0.025	0.095
A007604_01	-0.931	-1.122	-0.808	-0.604	0.012	-0.139	0.147	0.139
A007606_01	-0.19	-0.184	-0.025	0.013	0.176	-0.258	-0.092	-0.143
A007616_01	0.352	0.402	0.359	-0.168	0.129 NA		0.005 NA	
A007618_01	-2.508	-2.645	-2.74	-2.275	-2.009	-2.109	-0.463	-0.279
A007620_01	0.306	0.372	0.275	0.077	0.143	0.252	-0.058	-0.053
A007621_01	-0.325	-0.138	-0.068	0.216	-0.189	-0.125	-0.261	-0.115
A007622_01	-0.325	-0.278	-0.217	-0.101	-0.2	-0.593	-0.267 NA	
A007627_01	0.282	0.133	-0.271	0.498	-0.149	-0.606	0	-0.005
A007630_01	0.251	0.208	0.303	-0.04	0.261	0.288	0.343	0.031
A007644_01	0.537	0.727	0.031	0.362	0.104	0.203	-0.014	0.194
A007646_01	0.14	0.202	0.393	0.524	0.351	0.408	0.329	0.422
A007648_01	-0.365	-0.237	-0.001	-0.073	-0.022	-0.186	-0.039	0.04

A007649_01	-0.564	-0.463	-0.394	-0.797	-0.146	-0.27	-0.098	-0.046
A007651_01	0.582	0.533	-0.067	-0.166	0.308	0.224	-0.095	-0.003
A007654_01	0.365	0.223	0.202	0.124	0.018	-0.162	0.154	0.044
A007656_01	1.316	1.346	1.103	1.268	0.361	1.14	0.342	0.497
A007657_01	0.004	-0.082	0.01	0.512	0.22	0.066	0.1	-0.008
A007659_01	-0.073	0.02	0.126	-0.066	-0.006	0.072	0.175	0.104
A007665_01	0.1	-0.145	0.054	0.198	-0.123	-0.275	-0.097	-0.186
A007680_01	-0.303	0.01	0.041	-0.393	-0.02	0.212	0.046	0.201
A007686_01	-1.939 NA	NA		-1.95	-1.174	-1.723	-0.943	-0.773
A007696_01	0.292	0.401	0.373	0.186	0.348	0.666	-0.071	0.117
A007697_01	0.118	0.111	0.255	-0.113	0.155 NA		0.148	0.195
A007702_01	-0.256	-0.357	-0.148	-0.237	0.098	-0.172	0.074	0.004
A007704_01	0.527	0.713	0.124	0.243	0.166	0.187	0.172	0.176
A007709_01	-0.527	-0.35	-0.017	-0.183	-0.057	-0.094	-0.035	-0.042
A007714_01	0.066	0.047	-0.066	-0.069	-0.187	-0.019	-0.107	0.065
A007716_01	-0.301	-0.134 NA		0.271	0.061	0.072	-0.112 NA	
A007723_01	0.314	0.233	-0.154	0.205	0.158 NA		-0.171 NA	
A007725_01	-0.109	-0.051	-0.266	0.174	0.041	-0.1	-0.038	-0.034
A007727_01	0.176	0.21	-0.005	-0.341	0.232 NA		-0.279	-0.158
A007730_01	0.408	0.39	0.083	0.487	-0.096 NA		-0.133	-0.102
A007733_01	0.481	0.394	-0.089	0.126	-0.1	0.057	-0.102	-0.083
A007736_01	0.033	0.024	0.018	-0.109	-0.003	-0.109	0 NA	
A007739_01	0.328	0.263	-0.346	0.197	-0.014	0.222	0.151	0.137
A007744_01	0.192	0.078	0.303	0.28	0.066	-0.357	0.103	0.135
A007746_01	-0.843	-1.136	-0.739	-1.179	-0.512	-0.892	-0.427	-0.311
A007749_01	0.543 NA		-0.308	0.186	0.145 NA		-0.073	0.011
A007750_01	0.138	0.211	-0.492	-0.545	0.231	0.547	-0.235	-0.058
A007753_01	-0.424	-0.639	-0.495	-0.364	0.016	-0.049	0.058	0.068
A007756_01	0.255	0.118	0.273	0.205	0.081	0.208	0.277	0.338
A007757_01	-0.538 NA	NA		0.301	-0.343	-0.227	-0.342	-0.065
A007759_01	0.159	0.117	0.201	0.206	0.319	0.17	-0.007	0.004
A007762_01	-0.118 NA		0.087	-0.182	0.176 NA		0.262	0.259
A007765_01	-0.307	-0.088	-0.149	-0.032	0.009	-0.066	0.081 NA	
A007766_01	-0.109	0.231	0.153	-0.359	-0.074	0.027	-0.016 NA	
A007767_01	-0.336	-0.152	-0.022	-0.366	-0.181	-0.055	0.052	0.148
A007768_01	0.706	0.787	0.449	0.307	0.518	0.602	0.266	0.182
A007770_01	-0.529	-0.4	-0.705	-0.64	-0.366 NA		-0.327	-0.099
A007776_01	0.062	-0.017	-0.084	-0.194	-0.275	-0.551	0.057 NA	
A007778_01	-0.291	-0.39	-0.196	-0.429	0.025	-0.125	-0.009	-0.079
A007781_01	-0.133	-0.249	-0.229	-0.571	0.39	0.446	-0.2	-0.154
A007786_01	-0.003	-0.142	-0.131	-0.381	0.212	0.31	0.039	0.01
A007791_01	0.031	-0.028	0	-0.044	0.088	-0.102	0.057	0.014
A007792_01	-0.072	-0.026	0.195	0.148	-0.141	-0.12	-0.117	-0.138
A007793_01	0.241	0.142	0.158 NA		0.081	0.133	0.04 NA	
A007794_01	-0.21	0.102	0.3	0.086	0.094	0.371	0.388	0.4
A007795_01	0.462	0.638	0.634	0.858	0.463	0.618	0.564 NA	
A007797_01	1.815	1.753	1.351	1.63	0.933	1.24	0.47	0.578
A007798_01	-0.009	0.17	-1.256	-1.084	0.124	0.103	-0.428	-0.291
A007801_01	0.669	0.804	0.275	-0.154	0.06	0.286	0.026	-0.043
A007804_01	-0.31	-0.191	0.094	0.479	-0.128	-0.286	0.102	0.242
A007805_01	0.005	0.027	0.142	0.222	0.072	-0.126	0.262	0.012
A007806_01	0.861	0.759	0.517	0.159	0.249	0.615	0.47	0.424
A007808_01	0.449	0.51	0.377	0.267	0.21	0.303	-0.051	-0.044
A007809_01	-0.039	-0.038	0.259	0.008	-0.008	0.063	-0.063	-0.091
A007810_01	0.266	0.804	0.351	0.198	0.296	0.514	0.296	0.197
A007811_01	-0.005	-0.06	0.053	0.205	-0.271	-0.594	0.056	-0.054
A007812_01	-1.516	-1.949	-0.611	-1.013	-0.709	-1.206	-0.158	-0.135
A007814_01	-0.635	-0.578	-0.458	-0.216	-0.289	-0.567	-0.248	-0.219
A007815_01	-0.894	-0.901	0.074	0.675	-1.064	-1.343	-0.182	0.104
A007816_01	-0.009	-0.223	0.237	0.763	-0.311	-0.425	0.009	0.268
A007817_01	-0.104	0.046	-1.101	-0.94	0.241	0.33	-0.244	-0.249
A007820_01	-0.658	-0.623 NA		0.515	0.468	0.512 NA		0.233
A007823_01	-0.208	-0.031	-0.416	0.135	-0.121	0.047	-0.136	0.022
A007827_01	-0.109	-0.074	-0.346	-0.393	0.131	0.244	0.07	0.097
A007829_01	-0.588	-0.604	-1.071	-0.654	-0.167	-0.059	-0.347	-0.219
A007830_01	-0.255	-0.392	-0.401	-0.889	0.03	-0.383	-0.283	-0.361
A007832_01	-0.075	-0.317	-0.132	-0.088	-0.03	-0.082	-0.092	-0.131
A007833_01	-0.237	-0.038	-0.128	0.158	-0.198 NA		0.202	0.292

A007834_01	-0.204	-0.094	-0.173	-0.018	-0.099	0.048	-0.073 NA	
A007835_01	-0.153	-0.213	-0.562	-0.127	-0.088	0.149	-0.186	-0.232
A007836_01	0.864	0.746	0.95	0.682	0.429	0.503	-0.233 NA	
A007840_01	0.235	0.07	0.096	0.036	-0.068	-0.022	-0.217	-0.402
A007844_01	-0.071	-0.148	-0.374	-0.331	-0.088	-0.041	-0.178	-0.14
A007846_01	-0.388	-0.147	-0.172	0.084	-0.098	0.048	-0.205	-0.138
A007848_01	-0.086	-0.076	-0.056	0.222	0.095	0.114	-0.03	-0.003
A007850_01	-0.154	-0.114	-0.211	-0.209	0.136	0.237	0.002	0.062
A007852_01	0.21	0.213	0.121	-0.011	0.269	0.27	0.017	-0.005
A007859_01	-0.567	-0.523	-0.684	-0.267	-0.088	-0.037	-0.483	-0.501
A007860_01	-0.736	-0.829	-1.264	-1.23	-0.051	0.018	-0.472	-0.367
A007862_01	0.227	0.272	-0.055	-0.111	0.084	-0.088	-0.024	0.042
A007865_01	-0.148	-0.089	-0.127	-0.077	0.048	-0.017	0.06	-0.004
A007868_01	-0.062	-0.187	0.058	0.402	0.085	-0.181	-0.094	-0.299
A007870_01	0.232	0.124	-0.033	0.148	-0.126	-0.082	-0.057	-0.083
A007871_01	-0.009	-0.307	-0.032	0.228	0.017	-0.076	-0.072	-0.073
A007873_01	-0.012	-0.046	0.058	0.027	-0.089	-0.245	-0.127 NA	
A007875_01	0.149	0.057	-0.147	0.353	0.273	0.108	-0.04	-0.058
A007876_01	-0.595	-0.678	-0.057	-0.103	0.048	-0.095	0.343	0.015
A007877_01	-0.083	0.084	-0.047	-0.395	0.142	0.269	0	-0.008
A007878_01	0.295	0.266	0.445	-0.223	0.377	0.454	0.169	0.038
A007880_01	-0.186	-0.172	-0.117	-0.054	-0.073	-0.136	-0.213	-0.239
A007883_01	-0.29	-0.406	-0.086	0.331	-0.062	-0.121	-0.213	-0.099
A007885_01	0.137	0.267	0.214	0.218	0.135	0.168	0.1 NA	
A007886_01	-0.14	0.107	0.108	-0.06	0.138	0.018	-0.184	0.055
A007891_01	-0.745	-0.821	-0.241	-0.148	-0.478	-0.72	-0.143	-0.209
A007892_01	-0.212	-0.412	0.409	0.468	0.144 NA		0.619	0.45
A007893_01	0.592	0.398	0.012	-0.283 NA	NA		0.238	0.088
A007894_01	-0.253	-0.078	0.132	0.087	-0.184	-0.081	-0.01	0.148
A007896_01	0.418	0.277	-0.118	-0.243	0.123	0.083	-0.162	-0.098
A007897_01	-1	-1.063 NA		-0.58	-0.36	-0.581	-0.698	-0.621
A007898_01	-1.051	-1.296	-1.012	-0.803	-0.784	-0.961	-0.268	-0.309
A007899_01	-0.257	-0.021	0.061	0.066	-0.139	-0.307	-0.113	-0.075
A007901_01	0.357	0.178	-0.069	0.26	0.089	0.014	0.147	0.108
A007902_01	-0.211	-0.271	-0.023	-0.042	-0.089	-0.153	-0.064	-0.239
A007903_01	0.086	-0.108	-0.12	0.163	-0.216	-0.287	-0.029	-0.107
A007905_01	-0.197	-0.158	-0.26	-0.283	-0.165	-0.073	0.798	0.564
A007906_01	-0.461	-0.329	-0.3	-0.352	-0.031	-0.114	0.164	0.092
A007923_01	0.241	0.237	-0.224	-0.003	0.072	0.03	-0.036	-0.3
A007924_01	0.305	0.204	0.153	0.075 NA		-0.11	0.049	0.041
A007925_01	0.611	0.443	0.257	0.444	0.234	0.358	0.268	0.097
A007926_01	-0.763	-0.176	0.547	-0.111	-0.401	-0.103	0.062	0.47
A007929_01	-0.11	0.061	0.016	0.061	-0.166	-0.174	0.007	0.012
A007930_01	0.386	0.384	-0.184	0.362	0	-0.024	-0.303	-0.244
A007931_01	0.035	0.276	-0.231	0.522	-0.151	-0.13	-0.413	-0.119
A007932_01	-0.022 NA		-0.237	0.225	-0.202	-0.023	0.103	0.088
A007934_01	0.125	0.136	0.216	0.216	-0.055	-0.221	0.187	0.08
A007939_01	0.428	0.406	0.126	-0.085	0.155	-0.113	0.085	0.059
A007941_01	-0.408	-0.403	-0.445	0.25	-0.023	-0.134	-0.235	-0.173
A007942_01	-0.11	0.033	-0.3	-0.417	-0.321	-0.189	-0.12	-0.011
A007945_01	-0.214	-0.294	0.124	0.275	-0.134	-0.268	-0.091	-0.049
A007947_01	-0.651	-0.511	-0.225	-0.145	-0.194	-0.375	0.027	0.019
A007949_01	-0.08	-0.161	0.115	0.481	-0.281	-0.563	-0.393	-0.106
A007950_01	0.747	0.745	0.386	-0.039	0.113	0.368	-0.039	-0.003
A007951_01	0.024	-0.117	-0.466	0.005	-0.153	-0.138	-0.193	-0.223
A007952_01	-0.08	-0.082	-0.215	-0.27	-0.217	-0.189	0.057	0.127
A007953_01	-0.074	0.012	-0.053	0.283	-0.23	-0.211	-0.251	-0.031
A007954_01	-0.407	-0.63 NA	NA		0.12	-0.031	-0.046	-0.017
A007955_01	-0.056	-0.183	0.198	0.443	-0.264	-0.473	-0.171	-0.178
A007959_01	0.115	-0.014	0.223	-0.303	0.106	0.138	-0.17	-0.176
A007961_01	0.038	0.149	0.06	-0.08	-0.168	0.073	0.151	0.379
A007964_01	0.295	0.535	0.918	1.148	-0.25	-0.542	0.606	0.494
A007966_01	-0.038	0.024	0.092	-0.31	0.346	0.394	0.146	0.271
A007967_01	-0.324	-0.361	0.103	-0.219	-0.059	-0.186	0.2	0.201
A007969_01	-0.626	-0.574	-0.068	-0.085	-0.132	-0.016	-0.121	-0.112
A007971_01	-0.606	-0.896	-0.075	-0.607 NA		-0.391	-0.09	0.08
A007973_01	-0.282 NA		-0.366	-0.528	-0.195 NA		-0.204	-0.173
A007974_01	-1.202	-1.016	-1.185	-0.582	-0.41	-0.304	0.211	0.26

A007975_01	0.332	0.326	0.61	0.886	-0.036	-0.281	-0.413	-0.436
A007977_01	0.484	0.542	-0.139	-0.022	-0.102	0.402	0.011	0.222
A007981_01	0.118	0.185	0.435	0.679	-0.521	-0.162	0.297	0.511
A007982_01	-0.075	-0.158	0.122	0.512	0.212	0.005	0.087	0.131
A007983_01	-0.227	-0.238	-0.638	-0.051	-0.059	-0.174	-0.226	NA
A007988_01	0.16	-0.079	0	0.146	0.367	0.225	-0.128	-0.16
A007989_01	-0.111	-0.036	-0.049	NA	0.128	0.196	-0.079	NA
A007993_01	0.844	0.805	0.342	0.148	0.279	0.494	0.306	0.123
A007994_01	-0.209	0.036	0.115	-0.099	-0.259	-0.138	-0.041	0.006
A007998_01	-0.074	-0.059	0.253	0.558	0.073	0.134	-0.13	-0.143
A008004_01	-0.309	-0.176	-0.297	-0.332	-0.164	-0.038	-0.026	-0.233
A008005_01	-0.081	0.082	NA	NA	0.174	-0.074	-0.232	NA
A008007_01	0.754	0.886	0.622	0.542	0.423	0.482	0.277	0.206
A008009_01	0.016	0.052	-0.318	0.246	-0.352	-0.26	-0.209	NA
A008010_01	-0.111	0.117	0.195	0.439	-0.102	-0.266	-0.271	-0.293
A008012_01	0.259	0.227	0.363	-0.06	0.254	0.034	0.176	0.175
A008014_01	0.155	0.326	0.057	0.032	0.116	0.219	-0.221	NA
A008017_01	0.311	0.374	0.064	-0.016	-0.17	-0.198	-0.008	-0.03
A008018_01	-0.136	-0.278	-0.409	0.166	-0.245	-0.135	-0.217	-0.096
A008026_01	0.367	0.447	-0.163	0.143	0.082	0.272	-0.083	0.372
A008027_01	0.122	0.027	0.227	0.219	0.06	-0.098	-0.027	-0.04
A008033_01	-0.159	-0.162	-0.415	0.235	-0.051	-0.301	-0.041	-0.034
A008035_01	-0.089	-0.114	0.025	0.336	0.046	-0.044	-0.109	0.053
A008036_01	-0.028	-0.031	0.06	0.165	0.021	-0.18	0.008	-0.07
A008038_01	0.058	0.027	0.082	-0.058	-0.059	0.179	0.114	0.209
A008039_01	0.471	0.268	0.158	-0.152	0.075	0.412	0.2	0.349
A008042_01	-0.563	-0.592	-0.457	-0.692	-0.353	-0.371	0.03	-0.024
A008043_01	-0.456	-0.367	-1.084	-0.59	-0.184	-0.297	-0.6	NA
A008044_01	0.137	0.094	0.109	0.05	-0.104	NA	-0.202	NA
A008047_01	0.569	0.54	0.491	0.43	0.274	0.484	0.198	0.231
A008049_01	0.379	0.421	-0.069	-0.588	-0.035	0.108	0.158	-0.078
A008052_01	-0.514	-0.848	-0.067	0.123	-0.137	-0.696	0.069	0.027
A008053_01	0.202	0.288	-0.135	-0.029	-0.088	0.301	0.002	0.267
A008055_01	-0.272	0.072	0.222	0.389	-0.607	-0.579	-0.397	-0.068
A008056_01	0.346	-0.047	0.326	0.225	-0.225	-0.503	-0.482	-0.15
A008060_01	0.145	0.099	0.378	0.49	0.056	-0.247	-0.117	0.094
A008068_01	-0.301	-0.393	0.116	0.032	-0.065	-0.17	-0.235	NA
A008070_01	0.072	0.315	-0.034	-0.356	-0.055	0.09	0.201	0.129
A008074_01	0.021	0.206	0.041	-0.098	0.167	0.176	-0.033	0.231
A008081_01	0.231	0.354	0	0.106	0.02	-0.042	-0.089	-0.126
A008083_01	0.207	0.055	-0.166	-0.28	0.005	0.373	0.139	0.053
A008087_01	-0.697	-0.275	-0.177	0.178	-0.264	-0.09	-0.154	0.222
A008088_01	0.317	0.432	-0.062	-0.141	-0.02	0.179	-0.32	-0.248
A008089_01	0.016	-0.015	-0.636	0.09	0.155	-0.067	-0.65	-0.446
A008090_01	0.233	0.043	-0.064	0.058	0.076	-0.009	0.038	-0.157
A008092_01	0.247	0.084	0.1	0.063	0.138	0.062	0.158	0.014
A008094_01	0.359	0.458	NA	NA	0.255	0.074	-0.13	-0.143
A008107_01	0.103	-0.024	-0.235	-0.057	0.142	-0.172	0.157	-0.012
A008119_01	-0.922	-0.551	-0.353	-0.126	-0.415	-0.456	-0.446	NA
A008122_01	-0.585	0.013	-0.18	NA	-0.374	-0.011	-0.41	NA
A008127_01	0.091	0.012	-0.117	0.126	0.09	0.173	-0.089	NA
A008130_01	0.002	-0.189	0.125	NA	0.147	-0.103	0.088	NA
A008131_01	0.564	0.706	-0.586	0.25	-0.228	0.186	-0.251	-0.164
A008132_01	0.375	0.371	0.047	0.08	0.063	0.173	-0.097	-0.097
A008133_01	0.425	0.191	-0.112	-0.29	0.223	0.34	0.284	0.153
A008135_01	-0.161	0.133	-0.097	-0.221	-0.167	-0.019	-0.264	0.028
A008136_01	0.101	0.075	0.02	-0.3	0.041	0.141	0.175	0.039
A008137_01	-0.496	0.086	NA	-0.237	0.054	0.461	-0.086	0.305
A008139_01	-0.153	-0.313	-0.143	-0.01	-0.251	-0.389	-0.303	NA
A008143_01	0.161	0.405	0.321	0.319	-0.047	-0.246	-0.06	-0.111
A008148_01	-0.167	-0.147	0.129	-0.057	0.106	0.117	0.091	0.17
A008153_01	-0.202	-0.083	NA	NA	-0.039	-0.119	-0.1	0.091
A008161_01	0.136	0.184	0.013	0.074	-0.076	0.241	0.018	-0.011
A008164_01	0.418	0.397	0.162	0.108	0.262	0.283	0.093	NA
A008165_01	-0.493	-0.176	-0.195	0.087	0.103	0.067	0.157	0.371
A008166_01	-0.687	0.017	0.279	0.06	-0.415	0.021	-0.081	0.369
A008170_01	0.19	NA	0.125	-0.205	-0.013	NA	0.138	0.006
A008172_01	-0.428	-0.49	0.135	-0.139	-0.059	-0.228	0.16	0.14

A008173_01	-0.028	-0.044	-0.145	-0.115	0.054	-0.055	-0.033	-0.115
A008179_01	-0.096	-0.23	-0.584	0.027	-0.151	-0.241	-0.217	-0.204
A008182_01	0.777	0.896	-0.243	-0.781	0.475	0.741	-0.093	0.038
A008183_01	0.428	0.488	0.137	0.155	0.282	0.275	0.011	0.122
A008184_01	-0.132	-0.06	-0.077	-0.175	-0.231	-0.159	0.038	-0.077
A008191_01	-0.905	-0.986	-0.17	-0.5	-0.317	-0.323	-0.092	0.29
A008198_01	-0.143	-0.266	-0.155	0.063	-0.301	-0.397	0.043	0.043
A008201_01	-0.005	0.048	-0.607	0.076	0.22	0.247	-0.022	0.119
A008202_01	-0.249	-0.111	-0.116	0.261	-0.023	-0.076	-0.079	0.025
A008212_01	-0.526	-0.361	-0.254	0.073	-0.333	-0.178	-0.544	-0.09
A008213_01	-0.184	-0.165	-0.26	0.251	0.034	0.025	-0.072	-0.073
A008214_01	-0.432	-0.451 NA		-0.24	-0.242	0.026	-0.66	-0.384
A008215_01	-0.227	-0.261	-0.795 NA		0.044	-0.06	-0.366 NA	
A008218_01	-0.001	-0.346	-0.326	-0.028	-0.023	-0.095	-0.104	-0.209
A008221_01	-0.224 NA		-0.241	0.08	-0.027 NA		0.032	-0.072
A008245_01	-0.25	0.012	0.28	-0.092	-0.181	-0.184	0.155	0.03
A008247_01	-0.178	0.069	0.1	-0.408	0.043	0.157	0.062	0.083
A008251_01	-0.61	0.003	0.542	-0.131	-0.215	-0.04	0.121	0.395
A008252_01	-0.901	-1.069	-1.286	-1.436	-0.477	-0.566	-0.983 NA	
A008254_01	0.301	0.211	0.3	-0.096	-0.537 NA		0.147	0.35
A008260_01	-0.153	-0.467	-0.087	0.151	0.06	-0.051	-0.369 NA	
A008262_01	-0.344	-0.526	-0.619	-0.094	0.067	0.116	0.068	0.12
A008268_01	0.31	0.251	0.321	0.13	0.186	0.002	-0.192	-0.408
A008270_01	-0.61	-0.565	-0.776	-1.035	-0.241	-0.26	-0.354 NA	
A008271_01	-0.052	-0.003	0.099	0.136	0.091	0.014	0.029	0.038
A008272_01	-0.308	-0.383 NA		-0.987	-0.183	-0.061	-0.407	-0.377
A008277_01	0.133	0.152	0.044	0.115	0.225	0.204	0.129	0.11
A008280_01	0.047	-0.001	-0.292	-0.756	0.139	-0.062	-0.931	-1.128
A008281_01	-0.218	-0.049	0.258	0.176	0.034	0.01	0.116	0.338
A008283_01	-0.173	-0.298	-0.144 NA		0.028	-0.168	0.144	-0.02
A008289_01	0.043	0.128	-0.064	0.216	0.225	0.185	0.093	0.191
A008290_01	0.08	0.083	-0.16	0.237	0.125	0.249	-0.065	0.069
A008291_01	-0.028	0.036	-0.1	0.161	0.088	0.097	-0.205	-0.133
A008292_01	0.459	0.317	0.591	0.445	0.248	0.1	-0.014	-0.16
A008300_01	-0.041	-0.19	-0.09	0.018	-0.078	-0.022	-0.016 NA	
A008301_01	-0.065	0.104	-0.143	0.202	0.225	0.263	0.059	0.125
A008302_01	0.125	0.166	0.021	0.337	0.249	0.255	-0.017	0.187
A008303_01	0.353	0.346	0.218	0.569	0.428	0.561	-0.286	-0.356
A008305_01	-0.328	-0.526	-0.789	0.374	-2.144	-2.716	-2.165 NA	
A008308_01	0.449	0.332	0.457	0.182	0.114	0.173	0.066	0.069
A008310_01	-0.029	0.248	-0.109	-0.041	0.027	0.042	-0.258	-0.094
A008312_01	-0.468	-0.773	-0.163	-0.492	-0.232	-0.43	-0.047	0.076
A008313_01	0.34	0.378	0.039	0.211	0.146	0.144	0.069	0.15
A008314_01	0.135	0.107	-0.073	0.268	0.045	0.089	0.002	0.025
A008315_01	-0.437	-0.408	0.119	0.46	-0.152	-0.385	-0.093	-0.077
A008321_01	-0.048	0.02	0.044	-0.074	0.114	-0.073	-0.135	-0.098
A008325_01	0.097	-0.051	0.059	0.26	0.142	-0.021	-0.034	0.13
A008326_01	0.021	0.011	-0.029	0.217	0.193	0.139	0.167	0.194
A008327_01	0.066	0.035	-0.198	0.209	0.058	0.134	0.051	0.166
A008329_01	-0.043	-0.013	0.175	-0.006	-0.034	-0.139	-0.118	-0.184
A008330_01	-0.26	-0.535	-0.755	-1.072	-0.166	-0.251	-0.323	-0.305
A008335_01	0.153	0.28	0.004	0.618	-0.125	-0.214	-0.125	0.129
A008336_01	0.258	0.359	-0.042	0.028	-0.024	0.285	-0.151	-0.092
A008338_01	-0.018	0.011	-0.125	0.172	0.097	0.038	-0.085	0.078
A008339_01	-0.097	-0.153	-0.265	0.128	0.054	-0.004	-0.031	0.055
A008342_01	0.005	-0.078	-0.055	-0.39	0.235	0.095	-0.054 NA	
A008350_01	0.008	-0.013	0.014	0.359	-0.13	-0.26	-0.365 NA	
A008351_01	-0.105	-0.057	-0.156	0.22	-0.079	-0.046	-0.08	0.076
A008356_01	0.193	-0.064	-0.058	0.114	-0.011	-0.126	-0.024	0.04
A008358_01	0.427	0.357	0.15	0.484	0.102	0.214	-0.009	0.035
A008368_01	-0.384	-0.126	0.006	0.247	-0.056	-0.004	-0.154	-0.039
A008372_01	0.131	0.34 NA		-0.603	0.216	0.47	0.052	0.057
A008377_01	-0.139	-0.04	0.17	0.003	-0.035	-0.308	-0.248 NA	
A008379_01	0.545	0.748	-0.237	-0.118	0.05	0.52	-0.039	0.114
A008381_01	0.004 NA	NA		0.159	0.045 NA		0.102	0.095
A008382_01	0.075	0.032	0.066	0.434	0.076	-0.204	0.011 NA	
A008386_01	-0.128	-0.384	-0.146	-0.084	-0.229	-0.371	0.244	0.077
A008390_01	0.088	-0.139	0.057	-0.379	0.11	0.263	-0.034	-0.025

A008391_01	-0.068	-0.058	0.201	0.691	0.622	0.907	0.168	0.211
A008394_01	0.56	0.605	0.049	0.181	-0.134	0.298	0.216	0.181
A008397_01	-0.286	-0.05	-0.113	-0.325	-0.173	-0.122	0	0.173
A008398_01	0.166	0.335	0.268	0.166	0.177	0.146	0.121	0.154
A008408_01	-0.073 NA		-0.116	-0.576	0.162 NA		0.119	0.032
A008414_01	-0.559	0.092	0.478	-0.092	-0.354	0.031	0.003	0.445
A008415_01	0.877	0.905	1.449	1.607	0.699	0.864	0.29	0.314
A008423_01	-0.268	-0.049 NA		-0.402	0.724	1.059	-0.601 NA	
A008432_01	0.088	0.027	0.192	-0.12	-0.157	-0.229	-0.099	-0.154
A008441_01	0.084	0.124	-0.094	-0.013	0.035	0.222	-0.018	0.037
A008445_01	0.171	0.153	0.05	0.098	-0.159	-0.276	-0.14	0.076
A008446_01	0.008	-0.186	-0.12	0.009	-0.002	-0.106	-0.006	-0.034
A008448_01	0.202	0.483	0.217	0.542	0.009	-0.096	-0.303	-0.264
A008449_01	0.465	0.376	0.323	0.661	0.056	-0.23	-0.01	-0.181
A008452_01	-0.099	0.023	0.046	0.425	-0.061	-0.157	-0.384	-0.115
A008453_01	0.285	0.312	0.573	-0.102	0.327	0.41	0.036	-0.083
A008454_01	0.25	0.136	0.338	-0.152	-0.062	0.122	-0.056	-0.007
A008459_01	-0.854	-0.928	-0.94	-0.593	-0.164	-0.16	-0.365	-0.455
A008463_01	-0.42 NA		0.108	0.381 NA	NA		0.138	0.201
A008472_01	-1.536	-2.21	-1.308	-1.782	-1.639	-2.528	-0.785	-1.015
A008473_01	0.294	0.285	-0.118	0.105	-0.15	0.03	-0.132	0.093
A008475_01	-0.48	-0.514	-0.392	0.207	-0.278	-0.242	-0.275	-0.137
A008481_01	0.226	0.492	0.302	-0.339	-0.011 NA		0.294	0.303
A008483_01	0.221	0.294	0.09	-0.132	0.071	0.078	-0.15 NA	
A008485_01	-0.289	-0.358	0.057	-0.369	-0.074	-0.377	-0.206	-0.226
A008486_01	0.287	0.157	0.167	0.435	-0.008	-0.086	-0.115	0.064
A008499_01	0.047	0.294	0.097	0.175	-0.237	-0.234	0.062	0.135
A008500_01	-0.522	-0.605	-0.445	-1.158	-0.169	-0.094	-0.15	-0.083
A008505_01	-0.47	-0.465	-0.525	0.252	-0.205 NA		-0.169	0.071
A008507_01	-0.024	0.021	0.232	-0.167	-0.172	-0.165	-0.332	-0.268
A008511_01	-0.325	-0.109	0.027	0.464	-0.315	-0.346	-0.416	0.009
A008512_01	0.953	0.88	-0.445	0.447	-0.512	-0.089	-0.216	-0.281
A008514_01	0.052	0.098	0.006	-0.177	0.014	-0.032	0.147	0.135
A008518_01	-0.404	-0.142	-0.304	0.406	-0.056	0.402	0.429	0.285
A008520_01	0	-0.078	-1.153	-0.978	-0.134	0.108	-0.436	-0.317
A008531_01	0.422 NA		0.125	-0.166	0.138 NA		-0.121 NA	
A008532_01	-0.082	-0.005	-0.078	0.066	0.174	0.249	-0.28	-0.275
A008533_01	-0.262	-0.576	-0.065	0.208	-0.094	-0.129	-0.019	-0.038
A008534_01	0.139	-0.126	-0.153	-0.282	0.108	0.076	-0.264	-0.329
A008537_01	-0.334	-0.3	-0.569	0.397	-0.143	-0.151	-0.258	-0.227
A008538_01	-0.09 NA		0.026	-0.185	0.107 NA		0.167	0.115
A008541_01	-0.215	-0.05 NA		0.03	0.193	0.203	-0.614	-0.339
A008544_01	0.117	0.061	-0.621	0.248	0.028	0.273	-0.07	0.065
A008545_01	-0.031	0.015	0.241	0.002	0.235	0.23	0.533	0.379
A008546_01	0.011	0.015	-0.572	-0.494	0.056	0.06	0.101	0.145
A008548_01	0.025	0.081	0.423	0.505	-0.294	-0.575	0.042	-0.068
A008549_01	0.042	-0.087	0.09	0.564	-0.213	-0.68	-0.131	-0.143
A008553_01	0.603	0.578	-0.192	0.518	0.084	0.247	0.107	0.13
A008557_01	-0.267	0.086	-0.061	0.043	0.069	0.156	-0.143	-0.088
A008562_01	0.54	0.346	1.769	2.157	1.432	1.513	0.16	0.219
A008564_01	0.225	0.122	-0.189	0.041	-0.03	-0.08	0.042	0.11
A008571_01	0.561	0.274	-0.221	0.152	0.128	0.276	0.049	0.039
A008572_01	-0.428 NA		-1.315	-0.966	-0.112 NA		-0.484	-0.316
A008573_01	-0.189	-0.236	-0.023	-0.056	0.381	0.117	0.168	0.131
A008575_01	-0.014	0.109	0.147	0.102	0.171	0.051	-0.031	-0.074
A008576_01	-0.221	0.218	-0.186	-0.73	0.312	0.374	0.181	0.152
A008578_01	1.287	1.121	0.991	0.839	0.57	0.796	0.289	0.163
A008580_01	0.787	0.641	0.204	0.256	0.126	0.14	0.14	-0.099
A008582_01	-0.764	-0.521	-0.542	-0.11	-0.001	0.176	-0.391	-0.038
A008583_01	0.1	0.147	0.081	0.281	-0.115	-0.098	-0.054 NA	
A008586_01	0.297	0.037	-0.339	-0.065	0.742	0.241	-0.203	-0.161
A008587_01	-0.288	-0.351	-0.363	-0.276	-0.41	-0.744	-0.343	-0.184
A008588_01	0.213	0.169	0.201	0.353	-0.028	-0.58	0.069	-0.059
A008589_01	0.596 NA		0.003	0.465	0.156 NA		0.179	0.158
A008598_01	0.026	-0.449	-0.295	0.33	-0.158	-0.232	-0.255	-0.303
A008599_01	0.215	-0.096	0.055	-0.441	0.018	-0.165	0.202	0.148
A008601_01	0.679	0.916	0.968	0.673	0.11	0.25	0.548	0.636
A008602_01	0.417	0.329	0.33	0.892	0.297	0.302	0.179	0.179

A008603_01	-0.414	-0.05	0.108	-0.414	0.197	0.239	0.028 NA	
A008604_01	0.505	0.688	0.146	0.05 NA		0.053	-0.133	-0.034
A008605_01	-0.999	-0.674	0.064	-0.324	-0.513	-0.133	-0.119	0.244
A008608_01	-0.34	-0.53	0.018	0.144	-0.235	-0.421	-0.026	-0.086
A008615_01	0.517	0.525	-0.076	-0.509	0.334	0.417	0.12	0.043
A008616_01	0.346	0.232	-0.202	0.071	0.316	0.277	0.028	-0.012
A008621_01	0.065	0.028	0.013	0.602	0.077	-0.382	-0.235 NA	
A008622_01	-0.248 NA		-0.466	-0.203	-0.182 NA		-0.208	-0.245
A008627_01	0.247	0.332	-0.561	-0.225	0.177	0.579	0.013	0.09
A008631_01	0.135 NA		-0.15	0.177	-0.031 NA		0.078	0.176
A008632_01	-0.009	-0.206	-0.13	0.433	-0.116	-0.221	-0.12 NA	
A008637_01	0.358	0.37	0.443	0.535	0.419	0.457	0.074	-0.004
A008638_01	-0.083	0.061	-0.118	-0.334	-0.012	-0.06	-0.057	-0.209
A008639_01	-0.049	-0.202	-0.404	-0.248	0.065	0.033	-0.364	-0.247
A008641_01	-0.212	-0.293	-0.343	0.081	-0.028	-0.12	-0.116	-0.204
A008644_01	-0.142	-0.125	-0.373	0.206	0.011	-0.133	-0.031	-0.047
A008645_01	-0.017	-0.187	-0.43	0.14	-0.15	-0.26	-0.282	-0.202
A008648_01	-0.44	-0.565	-0.26	0.218	-0.25	-0.337	-0.209	-0.083
A008649_01	0.786	0.765	0.143	0.061	0.286	0.348	0.043	0.059
A008651_01	0.26	0.075	0.16	-0.163	0.052	-0.055	0.009	0.053
A008652_01	0.007	0.357	0.234	0.667	-0.119	-0.205	-0.269	0.009
A008653_01	0.036	0.103	-0.026	-0.065	0.281	0.233	0.05	0.127
A008654_01	0.316	0.165	0.009	-0.523	0.333	0.289	0.101	0.155
A008655_01	-0.163	-0.434	0.225	0.155	-0.026	-0.441	0.126 NA	
A008657_01	-0.158	-0.716	-0.048	0.269	-0.004	-0.258	-0.083	-0.13
A008658_01	-0.019	0.042	-0.886	-0.976	-0.117	-0.055	-0.737	-0.601
A008660_01	-0.975	-1.198	-0.283	0.198	-0.205	-0.371	0.348	0.204
A008663_01	0.398	0.516	0.079	0.4	-0.076	-0.175	-0.231	-0.127
A008664_01	-0.093	-0.156	0.19	0.116	0.339	0.183	-0.194	0.01
A008667_01	0.306	0.068	-0.011	0.217	0.334	0.294	-0.022	-0.036
A008668_01	-0.239	-0.118	-0.3	0.248	-0.221	-0.427	-0.154 NA	
A008670_01	-0.018	-0.113	0.034	0.065	0.019	-0.257	0.07 NA	
A008673_01	-0.384	-0.412	-0.41	-0.539	0.044	-0.055	-0.298	-0.201
A008676_01	0.144	0.15	0.162	0.357	0.083	0.206	-0.065	-0.006
A008682_01	-0.092	-0.09	-0.055	0.045	0.054	-0.162	-0.278	-0.246
A008685_01	0.482	0.449	0.027	-0.199	0.319	0.45	0.06	-0.026
A008686_01	0.438	0.453	0.183	0.113	0.148	0.186	0.047	0.097
A008692_01	0.739	0.865	-0.374	-0.267	0.456	0.701	-0.703	-0.495
A008693_01	-0.283	-0.388	0.319	0.29	-0.132	0.03	0.08	0.289
A008699_01	-0.101	0.086	-0.261	0.056	-0.017	0.161	-0.081	0.091
A008703_01	0.516	0.297	-0.145	0.192	0.215	0.275	-0.089	-0.227
A008707_01	-0.411	-0.422	-0.891	-0.875	-0.045	0.033	0.071	0.018
A008720_01	-0.134	-0.176	-0.224	-0.392	0.071	-0.06	-0.168	-0.044
A008721_01	0.192	0.232	0.183	-0.379	-0.017	0.001	0.121 NA	
A008722_01	0.53	0.56	0.063	-0.015	0.62	0.694	-0.041	-0.064
A008726_01	-0.1	0.124	0.005	0.158	-0.002	-0.007	-0.332	-0.207
A008727_01	0.301	0.133	0.194	0.234	0.196	-0.039	-0.324	-0.347
A008728_01	0.167	-0.039	-0.32	-0.891	0.141	0.218	-0.271 NA	
A008731_01	0.341	0.116	0.05	0.648	-0.007	-0.166	-0.076	-0.069
A008733_01	0.332	0.219	-0.295	-0.097	0.262	0.261	-0.143	-0.153
A008735_01	0.028	0.1	-0.152	-0.843	0.049	0.278	0.131	0.059
A008737_01	0.256	0.11	0.273	-0.03	0.093	-0.037	-0.03	-0.157
A008739_01	0.018 NA		-0.144	0.144	0.109 NA		0.008 NA	
A008742_01	-0.059	-0.389	0.615	0.502	0.164	0.191	-0.188	-0.049
A008748_01	-0.441 NA	NA	NA		-0.048 NA		-0.113 NA	
A008752_01	0.362	0.568	0.144	-0.623	0.095 NA		0.202	0.18
A008753_01	-0.358	-0.605	-1.052	-0.139	-0.126 NA		-0.453	-0.307
A008755_01	0.423	0.27	-0.277	-0.031	0.066	0.127	-0.042	-0.032
A008758_01	-0.147	-0.117	0.148	0.157	-0.033	-0.069	0.01	0.15
A008759_01	-0.3	-0.186	0.088	0.083	0.183	-0.123	-0.073	0.034
A008762_01	-0.593	-0.335	0.228	0.136	-0.109	-0.136	0.164	0.196
A008763_01	-0.431	-0.152	-0.254	0.312	-0.55	-0.277	-0.225	0.122
A008764_01	-0.091 NA		-0.275	-0.05	0.007 NA		-0.261	-0.007
A008775_01	0.213	-0.012	0.032	0.41	0.208 NA		0.122	0.107
A008776_01	0.048	0.022	0.209	0.228	0.051	0.195	0.124	0.174
A008783_01	-0.201	-0.233	-0.613	-0.406	0.424	0.433	-0.479	-0.293
A008784_01	0.565	0.749	0.401	0.117	0.053	0.129	-0.169	0.059
A008790_01	-0.144	-0.223	-0.231	0.438	-0.173	-0.377	-0.178	-0.141

A008793_01	-0.273	-0.235	0.034	-0.151	-0.066	-0.354	-0.271 NA	
A008794_01	0.199	0.741	-0.011	0.196	0.107	0.342	-0.104	0.057
A008795_01	0.273	0.271	-0.14	0.26	-0.095	0.175	-0.027	-0.057
A008798_01	-0.112	-0.215	-0.568	0.242	0.143	0.007	-0.122	-0.048
A008800_01	-0.126	-0.023	-0.472	-0.108	-0.063	0.074	0.026	-0.001
A008801_01	-0.724	-0.394	0.271	-0.182	-0.204	-0.052	-0.057	0.294
A008803_01	-0.287	0.005	0.435	0.618	0.32	0.441	0.093	0.173
A008805_01	-0.367	-0.236	0.031	0.367	-0.175	-0.3	-0.278	-0.271
A008807_01	0.043	0.076	-0.558	-0.356	-0.231	0.162	-0.14	-0.055
A008810_01	0.54	0.288	0.173	-0.22	0.267	0.084	0.143	-0.146
A008813_01	-0.075	-0.22	-0.115	-0.184	0.267	0.164	0.1	0.012
A008814_01	0.089	0.115	0.063	-0.115	0.094	-0.147	-0.041	-0.131
A008818_01	-0.133	-0.083	0.232	0.599	0.385	0.463	1.026	0.969
A008819_01	-0.094	-0.006	-0.743	-0.578	-0.084	0.159	-0.211	-0.016
A008821_01	0.167	0.282 NA			-0.09	-0.035	-0.465 NA	
A008827_01	-0.395	-0.061	0.189	0.258	-0.036	0.072	-0.209	-0.144
A008830_01	-0.593	-0.532	0.11	0.335	-0.094	-0.26	-0.163	-0.078
A008835_01	-0.047	-0.115	-0.577	0.382	-0.038	-0.076	-0.214	-0.122
A008838_01	0.264 NA		-0.205	-0.015	-0.07 NA		-0.213	0.03
A008840_01	0.346	0.595	-0.088	-0.068	0.243	0.101	-0.225 NA	
A008842_01	-0.132	-0.118	-0.032	0.2	-0.149	-0.174	0.074	-0.033
A008846_01	0.38	0.368	0.038	0.315	0.155 NA		0.102 NA	
A008847_01	0.063	0.581	0.337	0.078	0.093	0.263	-0.095	0.359
A008855_01	0.4	0.378	-0.171	0.141	0.149	0.021	-0.07	-0.116
A008857_01	-0.249	-0.417	0.415	0.409	-0.056	0.014	0.475	0.932
A008858_01	0.301	0.116	0.254	0.192	0.168	0.32	-0.036	0.051
A008860_01	0.107	0.114	0.009	0.339	0.089 NA		0.103	-0.054
A008861_01	-0.461	-1.097	-0.116	0.281	-0.495	-0.881	-0.14	-0.069
A008862_01	0.06	-0.063	-0.107	-0.11	0.065	-0.334	0.076	-0.102
A008863_01	-0.261	-0.18	-0.002	-0.123	0.085	-0.121	0.111	0.087
A008865_01	-0.659	-0.518	-0.126	-0.088	-0.437	0.031	0.206	0.37
A008867_01	-0.408 NA		-1.38	-1.513	-0.398 NA		-0.83	-0.553
A008872_01	0.3	0.111	0.149	0.405	0.348	0.21	0.328	0.321
A008873_01	1.019	0.908	1.295	0.919	1.001	1.095	0.29	0.486
A008874_01	-0.008	0.036	-0.108	0.114	0.083	0.019	-0.253	-0.179
A008877_01	0.132	-0.053	0.098	-0.073	0.081	0.061	-0.15	-0.088
A008878_01	0.327	0.192	-0.048	0.35	0.409	-0.132	-0.25	-0.167
A008880_01	0.008	-0.121	-0.168	0.241	0.059	-0.099	0.068	0.009
A008881_01	0.422	0.287	0.436	0.694	0.235	-0.037	0.213	0.108
A008882_01	-0.453	-0.496	-0.115	0.105	-0.048	-0.063	0.162 NA	
A008883_01	-0.107	-0.017	0.09	0.291	-0.391	-0.809	-0.056	-0.155
A008889_01	-0.073 NA		0.079	-0.156	-0.229 NA		-0.159	-0.089
A008890_01	-0.025	0.008	-0.475	0.296	0.068	-0.187	-0.3 NA	
A008896_01	0.145	0.043	0.232	0.464	0.187 NA		0.223	0.143
A008899_01	-0.205	-0.342 NA			0.127	-0.25	0.032 NA	
A008904_01	0.447	0.607	-0.078	0.101	-0.11	0.046	-0.307	-0.205
A008906_01	-0.079	-0.246	0.601	0.332	0.359	0.337	0.463	0.227
A008909_01	0.211	0.451	0.148	-0.016	-0.26	0.314	-0.032	0.12
A008913_01	-0.035	0.083	-0.17	-0.001	-0.102	-0.291	-0.17	-0.147
A008919_01	-0.862	-0.633 NA		0.204	-0.812	-0.888	-0.466	-0.092
A008920_01	0.036	-0.166	0.085	0.35	-0.677	-1.064	-0.462	-0.393
A008922_01	0.41	0.332	0.529	0.544	0.073	0.156	0.121	0.132
A008924_01	-0.09	-0.171	-1.507	-1.367	0.093	0.006	-0.821	-0.823
A008926_01	0.164	-0.015	-0.138	-0.13	-0.044	-0.169	0.041	-0.036
A008929_01	0.121	0.276	0.119	-0.004	-0.093	-0.001	-0.032 NA	
A008933_01	-0.432	-0.162	0.012	0.224	-0.019	0.073	0.451	0.312
A008934_01	0.328	0.455	0.17	-0.071	-0.051	0.059	-0.002	-0.102
A008936_01	-0.303	-0.462	-0.174	0.251	0.258	0.06	-0.019	0.005
A008937_01	0.206	0.212	-0.156	0.084	0.033	-0.114	-0.167	-0.018
A008938_01	0.336	0.314	0.173	-0.543	0.325	0.376	0.183	0.053
A008939_01	0.45	0.686	-0.002	-0.15	0.101	0.31	-0.102	-0.037
A008944_01	-0.388	-0.264	-0.159	0.319	-0.045	-0.185	-0.275	-0.095
A008945_01	0.19	0.189	0.029	0.458	0.043	-0.018	-0.142	-0.227
A008949_01	-0.213	0.094	0.108	0.187	0.015	-0.107	-0.209	-0.093
A008950_01	-0.373	-0.698	-0.53	-0.089	-0.088	-0.309	-0.088	-0.157
A008952_01	-0.365	-0.245	-0.105	-0.013	-0.269	-0.413	-0.47	-0.341
A008953_01	-0.046	-0.178	-0.466	-0.168	-0.064	-0.057	0.037	-0.04
A008955_01	-0.114	-0.469	-0.428	-0.362	0.04	-0.197	-0.182	-0.118

A008958_01	-0.074	-0.101	-0.343	-0.757	-0.196	-0.007	-0.292	-0.176
A008961_01	-0.767	-0.559	-0.448	-0.449	-0.313	-0.102	-0.166	0.163
A008963_01	-0.108	-0.167	-0.107	-0.176	0.104	-0.035	-0.143	-0.151
A008965_01	0.194	0.471	-0.305	0.255	0.057	0.253	-0.208	-0.019
A008967_01	-0.062	0.162	0.314	-0.11	0.134	0.114	-0.169	-0.04
A008969_01	-0.183	-0.015	0.178	0.228	-0.183	-0.232	-0.197	-0.097
A008972_01	-0.381	-0.347 NA	NA		-0.185	-0.244	-0.066 NA	
A008973_01	0.429	0.617	0.315	0.057	0.193	0.211	0.16	0.087
A008974_01	-0.604	-0.188	-0.064	-0.146	-0.254	-0.216	-0.29	0.051
A008975_01	-0.081	0.132	0.371	-0.003	0.053	0.11	0.036	0.104
A008980_01	-0.081	0.247	0.152	0.357	-0.411	-0.505	-0.49	-0.291
A008981_01	0.057	0.045	0.014	-0.458	0.098	0.024	0.117	0.007
A008983_01	-0.018	-0.195	0.1	0.318	0.19	0.028	-0.064	-0.033
A008984_01	0.137	0.106	-0.078	-0.003 NA	NA		0.143	0.035
A008985_01	0.267	0.295	-0.362	0.09	0.117	0.207	-0.205	-0.063
A008988_01	-0.285	-0.343	-0.479	0.014	-0.263	-0.361	-0.212	-0.179
A008989_01	-0.493	-0.35	0.012	-0.132	-0.08	-0.181	-0.135	0.21
A008992_01	-0.209	0.051	-0.367	-0.056	-0.2	0.152	-0.181	-0.095
A008995_01	-0.297	-0.334	-0.157	-0.132	-0.106	-0.137	-0.062	-0.166
A008997_01	-0.207	-0.56	-0.336	-0.077 NA		0.119	-0.145	-0.075
A008999_01	-0.253	-0.453	-0.089	0.093	0.02	-0.1	0.255	0.183
A009005_01	0.126	0.259	0.236	0.097	0.173	0.179	0.028	0.08
A009011_01	0.856	0.923	0.985	1.492	0.293	0.253	0.709	0.599
A009014_01	-0.209	-0.43	-0.219	0.138	-0.202	-0.143	0.015	-0.141
A009016_01	0.034	0.102	0.071	-0.049	-0.057	0.013	0.196	-0.03
A009021_01	-0.368	-0.222 NA	NA		-0.047	0.048	-0.189	-0.014
A009022_01	0.228	0.023	0.016	0.055	0.182	0.27	0.035	-0.008
A009026_01	0.258	0.323	-0.057	-0.722	0.131	0.288	0.2	-0.02
A009028_01	0.559	0.687	0.003	0.146	0.075	0.161	-0.024	0.03
A009031_01	0.099	0.125	-0.062	0.411	-0.025	-0.386	-0.208	-0.196
A009033_01	-0.338	-0.443	0.054	0.351	0.056	-0.079	-0.063	-0.108
A009036_01	0.41	0.279	0.141	0.362	-0.237	-0.063	0.149	0.138
A009037_01	0.364	0.356	0.801	0.695	0.314	0.384	0.818	0.485
A009044_01	-0.555	-0.276	-1.469	-1.158	-0.306	-0.246	-0.543	-0.35
A009049_01	-0.179	-0.114	-0.29	-0.394	0.366	0.273	-0.169	-0.089
A009052_01	0.14	-0.066	-0.308	-0.109	-0.012	-0.111	-0.005	0.032
A009055_01	-0.292	-0.371	-0.962 NA		-0.008	-0.063	-0.425	-0.104
A009056_01	0.058	0.305	-0.123	0.026	-0.093	-0.055	-0.058	0.012
A009060_01	0.465	0.299	-0.074	-0.178	0.071	-0.116	-0.157	-0.206
A009064_01	-0.094	0.317	0.191	-0.099	-0.003	0.274	-0.045	0.11
A009072_01	-0.406	-0.2	-0.192	0.03	-0.061	-0.059	-0.186 NA	
A009073_01	0.266 NA		0.224	0.192	0.094	0.311	0.13	0.033
A009076_01	-0.459	-0.414	-0.152	-0.3	-0.198	-0.108	-0.162	-0.085
A009077_01	0.022	0.211	-0.022	-0.764	0.312	0.647	0.248	0.366
A009081_01	-0.43	-0.617	-0.079	-0.286	-0.11	-0.23	0.225	0.184
A009087_01	-0.358	-0.171	0.349	-0.118	-0.062	0.055	0.674	0.656
A009088_01	0.588	0.714	0.8	0.316	0.388	0.767	0.514	0.326
A009095_01	0.555	0.408	-0.15	0.442	-0.003 NA		-0.04	-0.114
A009099_01	-0.302	-0.398	0.023	0.134	0.014	0.012	-0.047	0.042
A009102_01	-0.099	-0.307	-0.406	-0.162	-0.027	-0.264	-0.235	-0.309
A009105_01	-0.292	-0.535	-0.184	-0.399	0.143	0.089	0.226	0.07
A009106_01	0.187	0.377	0.635	0.264	0.247	0.429	0.154	0.282
A009107_01	0.98	1.174	0.868	0.458	0.295	0.68	0.905	0.679
A009112_01	0.527	0.528	0.126	-0.18	0.343	0.378	0.052	0.233
A009113_01	-0.004	-0.117	0.075	0.245	0.117	-0.267	-0.072	-0.092
A009114_01	0.182	-0.032	-0.331	0.122	0.188	0.165	0.045	-0.066
A009121_01	0.3	0.229 NA		0.293	0.211	0.448	-0.22	-0.154
A009127_01	0.499	0.425 NA		-0.06	-0.263 NA		-0.067	-0.089
A009134_01	-0.136	-0.097	0.087	0.086	0.129	-0.229	-0.032	-0.244
A009138_01	-0.108	0.019	0.531	0.397	-0.111	-0.335	0.459	0.551
A009139_01	0.638	0.709	0.367	0.297	0.592	0.952	0.597	0.693
A009145_01	-0.279	-0.385	-0.265	0.152	0.084	-0.104	0.037	-0.024
A009147_01	0.261	0.372	-0.115	0.33	-0.197	-0.418	-0.412	-0.475
A009148_01	0.621	0.581	0.479	0.588	0.246	0.396	0.574	0.606
A009151_01	0.195	0.385	-0.349	-0.152	0.21 NA		-0.181	-0.128
A009152_01	0.289	0.292	-0.311	-0.165	0.174	-0.036	-0.255	-0.117
A009153_01	0.289	-0.081	-0.511	-1.241	-0.192	-0.05	-0.364	-0.368
A009156_01	-0.548	-0.448 NA		-0.522	-0.093	-0.316	-0.317	-0.22

A009163_01	-0.29	-0.292	0.083	-0.238	-0.053	-0.132	0.031	0.088
A009165_01	0.861	0.608	0.493	0.771	0.457	0.532	0.141	-0.017
A009169_01	-0.916 NA	NA		-1.564	-0.52 NA		-1.164	-0.886
A009176_01	0.225	0.297	0.051	0.192	0.031	0.085	0.188	0.029
A009182_01	-0.094	0.12	0.21	-0.439	0.211	0.186	0.226	0.253
A009187_01	-0.848	-1.156	-0.32	-0.664	-0.063	-0.034	-0.104	-0.076
A009189_01	0.294	0.029	-0.034 NA		0.109	-0.407	-0.064 NA	
A009196_01	-0.002	-0.023	-0.18	0.187	-0.075	-0.24	-0.307	-0.138
A009203_01	0.427	0.526	0.439	-0.007	-0.126 NA		0.367	0.363
A009205_01	-0.231	0.061	-1.057	-0.356	0.211	0.336	-0.285 NA	
A009221_01	-0.074	-0.046	-0.455	-0.333	0.311	0.332	-0.128	-0.141
A009227_01	-0.607	-0.537	-0.39	-0.005	-0.016	-0.08	-0.105	-0.002
A009233_01	-0.714	-0.793	-0.941	-0.653	-0.157	-0.191	-0.69	-0.55
A009248_01	-0.108 NA		0.182	0.108	0.059 NA		0.17	0.071
A009255_01	-0.785	-0.643	-0.828	-0.614	-0.534	-0.552	-0.725	-0.462
A009256_01	0.13	0.088	-0.376	0.11	-0.065	-0.237	-0.265	-0.383
A009257_01	0.211	0.286	0.356	0.213	0.181	-0.074	-0.099	-0.137
A009260_01	-0.045	-0.054	-0.383	-0.063	0.001	-0.009	-0.633	-0.559
A009262_01	0.207	0.07	0.2	0.343	0.041	0.039	-0.14	-0.203
A009270_01	-0.176	0.102	0.164	-0.163	0.114 NA		0.293	0.257
A009272_01	-0.84	-0.538	-0.397	-0.071	-0.163	0.05	-0.186	0.245
A009273_01	0.045	0.032	-0.097	-0.156	0.034	0.06	0.067	-0.021
A009281_01	0.343	0.358	-0.215	-0.112 NA	NA		-0.126	-0.294
A009282_01	-0.186	-0.334	-0.072	-0.264	-0.036	-0.29	0.233	-0.051
A009284_01	0.009	-0.002	0.335	0.307	0.041	0.016	0.417	0.285
A009289_01	0.004	0.018	-0.139	0.02	-0.099	-0.123	-0.237	-0.259
A009293_01	-0.036	-0.15	-0.166	0.112	-0.025	-0.063	-0.073	-0.042
A009296_01	0.544	0.828	0.062	-0.231	-0.062	0.499	0.021	-0.02
A009303_01	-0.34	-0.176	-0.094	0.171	0.008	0.004	0.16	0.091
A009305_01	0.831	0.72	0.387	-0.258	0.234	0.28	-0.038	-0.092
A009307_01	-0.029	-0.042	-0.176	0.317	-0.123	-0.248	-0.341	-0.326
A009309_01	-0.232	-0.187	-0.141	0.068	0.037	-0.029	0.074 NA	
A009312_01	0.107	0.12	0.085	-0.07	-0.061	0.093	0.142	0.038
A009325_01	-0.585	-0.432	0.128	0.018	-0.757	-1.018	-0.22	0.048
A009328_01	0.67	0.579	0.531	0.695	0.534	0.723	0.301	0.36
A009340_01	-0.333	-0.649	-0.278	0.26	-0.295	-0.761	-0.241	-0.212
A009343_01	-0.108	0.023	0.205	-0.169	0.065	0.076	0.052	0.18
A009348_01	0.276	0.418	0.003	0.267	0.184	0.165	0.065	-0.064
A009353_01	-0.662	-0.341	-0.167	0.264	-0.284	0.014	-0.073	0.212
A009354_01	0.154	0.116	0.085	0.09	0.048	0.145	-0.15	0.001
A009368_01	-0.454	-0.323	-0.215	-0.302	0.015	0.007	-0.031	-0.116
A009369_01	0.39	0.493	0.229	0.374	-0.118	-0.244	-0.183	-0.38
A009370_01	0.2	0.094	-0.029	-0.372	0.132	-0.018	0.072	0.023
A009371_01	0.422	0.338	0.076	-0.419	0.097	0.085	0.423	0.367
A009375_01	-0.288	-0.196	-0.079	-0.148	0.19	-0.05	-0.225 NA	
A009377_01	0.642	0.428	0.509	-0.416	0.162 NA		0.193	0.068
A009378_01	-0.191	-0.169	0.036	-0.288	0.236	0.376	-0.254	-0.278
A009380_01	-0.433	-0.307	0.079	0.044	-0.057	-0.025	-0.157	-0.201
A009390_01	-0.369	-0.225	-0.14	0.046	-0.177	-0.101	0.006	0.026
A009396_01	-0.145 NA		0.402	-0.05	0.128 NA		0.203	0.143
A009398_01	0.221	0.404	-0.129	0.106	0.138	0.332	0.294	0.259
A009399_01	-0.011	-0.075	0.256	-0.312	0.178	0.221	-0.216	-0.134
A009402_01	-0.123	0.282	0.356	0.195	0.241 NA		0.064 NA	
A009409_01	-0.686	-0.779	-1.097	-1.135	-0.234	-0.655	-0.324 NA	
A009410_01	-0.954	-0.009	0.096	0.059	-0.623	0.203	-0.118	0.739
A009411_01	0.468	0.492	0.231	0.112	0.297	0.189	0.292	0.302
A009413_01	-0.109	-0.056	0.396	0.372	-0.675	-1.222	-0.381	-0.322
A009414_01	-0.321	-0.126	-0.109	0.027	-0.338	-0.394	-0.145	0.02
A009415_01	-0.085	0.202 NA		0.137	-0.083	0.116	-0.109 NA	
A009426_01	-0.744	-0.701	-0.533	-0.723	-0.395	-0.421	0.021	-0.092
A009431_01	-0.247 NA		-0.125	0.245	-0.497 NA		0.116	0.146
A009432_01	-0.104	0.116	-0.014	-0.277	-0.195 NA		-0.142	-0.226
A009434_01	0.312	0.584	0.245	0.707	0.391	0.558	0.396 NA	
A009435_01	-0.036	-0.441 NA	NA		-0.149	-0.415	-0.483	-0.168
A009448_01	-0.538	-0.288	0.342	0.058	0.163	0.13	0.066	0.219
A009454_01	0.114	0.037	0.33	0.817	0.101	-0.019	0.193	0.106
A009457_01	0.022	0.215	-0.129	0.329	-0.017	0.089	-0.052	0.007
A009475_01	0.094	0.138	0.393	0.197	0.192	0.14	-0.079	0.022

A009480_01	0.164	0.145	-0.126	0.039	-0.049	-0.083	-0.012	-0.034
A009485_01	0.39	0.328	-0.163	-0.479	-0.059 NA		0.08	0.026
A009491_01	-0.262	0.225	0.258	0.506	-0.263	-0.413	-0.05	0.251
A009495_01	0.105	0.213	0.049	0.147 NA		-0.195	-0.194	0.068
A009496_01	0.353	0.4	0.379	0.462	-0.08 NA		0.088	0.07
A009497_01	0.007	-0.029	-0.593	-0.337	-0.012	-0.026	0.138	0.25
A009498_01	0.209	0.165	-0.065	0.049	-0.301	-0.297	0.011	0.066
A009501_01	-1.85	-1.861	-2.195	-2.214	-0.854	-0.682	-0.815	-0.564
A009502_01	0.283 NA		0.092	-0.332	0.159 NA		0.287	-0.016
A009506_01	-0.211	-0.287	-0.037	-0.133	-0.055	-0.244	-0.092	-0.102
A009507_01	-1.053 NA		-0.152	-0.288	-0.629 NA		-0.082	-0.081
A009512_01	0.144	0.434	0.186	0.735	0.635	0.628	0.326	0.544
A009513_01	-0.042	-0.137	-0.331	0.163	0.036	-0.06	-0.3	-0.376
A009514_01	1.08	0.954	0.294	-1.337	-0.107	0.545	0.302	0.341
A009515_01	-1.945	-2.467	-2.739	-2.654	-1.306	-1.996	-2.581	-1.988
A009517_01	-0.21	-0.349	0.005	0.461	0.13	0	0.053	0.049
A009523_01	-0.392	-0.393	0.271	-0.047	0.22	-0.048	0.339	0.256
A009525_01	0.255	0.217	0.141	-0.376	0.186	0.677	0.178	-0.071
A009530_01	1.038	0.745	0.581	0.8	0.105	0.093	0.103	-0.001
A009531_01	-0.261	-0.535	-0.046	0.09	-0.174	-0.347	-0.187	-0.28
A009534_01	0.162	0.284	0.261	0.29	0.114	0.368	0.229	0.303
A009537_01	-0.311	-0.436	0.159	0.019	0.072	-0.091	0.077	0.065
A009540_01	-0.084	-0.015	0.166	0.841	0.289	0.198	0.272 NA	
A009542_01	0.633	0.47	-0.08	0.143 NA	NA		-0.03	0.053
A009543_01	0.072	-0.015	-0.454	0.243	0.046	-0.209	-0.303	-0.111
A009544_01	-1.028	-1.464 NA		0.142	-0.548	-0.845	-0.014	0.156
A009545_01	-0.048	-0.049	-0.09	-0.107	0.052	-0.131	0.096 NA	
A009548_01	0.552	0.179	0.131	-0.384	0.134	0.269	0.259	0.13
A009549_01	0.16	-0.015	0.422	0.204	0.061	-0.182	0.336	0.22
A009551_01	0.107	0.286	0.197	0.064	-0.051	0.083	0.114	0.219
A009557_01	0.065	-0.266	0.391	0.114	-0.575	-0.783	0.326	0.147
A009560_01	-0.092	-0.236	0.013	-0.018	0.059	-0.065	0.045	0.073
A009561_01	0.169	0.147	-0.293	0.085	0.088 NA		0.025	0.061
A009563_01	-0.06	-0.251	-0.215	0.477	-0.106	-0.309	-0.211	-0.153
A009566_01	0.475	0.324	-0.298	0.192	0.012	0.21	-0.064	-0.093
A009567_01	-0.424	-0.171	0.15	0.111	-0.004	-0.076	-0.124	-0.024
A009568_01	0.398	0.294	0.095	0.62	-0.059	-0.134	-0.137	-0.149
A009573_01	-0.308	-0.3	0.156	-0.136	-0.114	0.116	0.25	0.166
A009579_01	0.114	-0.006	-0.069	-0.34	-0.001	-0.188	-0.107	-0.041
A009580_01	-0.825	-0.45	-0.357	0.057	-0.485	-0.087	-0.346	-0.11
A009581_01	0.078	0.174	0.183	-0.228	-0.029	0.184	0.173	0.26
A009583_01	-0.927	-0.903	-0.64	-0.61	-0.188	-0.346	-0.228	-0.333
A009590_01	0.005	0.196	0.469	-0.037	0.134	0.351	0.546	0.615
A009594_01	0.096	0.137	-0.623	-0.387	0.064	0.174	-0.268 NA	
A009595_01	-0.011	-0.06	0.164	-0.003	0.131	0.018	0.024 NA	
A009603_01	0	-0.202	0.15	0.319	-0.537	-0.653	-1.172	-0.878
A009609_01	0.061	-0.1	0.088	0.447	0.249	0.295	0.004	0.008
A009611_01	-0.211	-0.255	-0.217	-0.472	0.002	-0.021	-0.127	-0.034
A009614_01	-0.045	-0.234	-0.021	0.055	-0.053	-0.244	-0.109	-0.036
A009618_01	-0.096	0.004	-0.478	0.314	-0.11	-0.257	-0.73 NA	
A009619_01	0.297	0.096	-0.081	0.056	0.247	0.292	-0.042	-0.064
A009625_01	-0.071	-0.106	0.173	0.476	0.071 NA		0.232	0.231
A009627_01	-0.508	-0.873	-0.418	-0.885	-0.478	-0.696	0.045	-0.008
A009632_01	0.533	0.558	0.125	0.467	-0.117 NA		-0.041	0.055
A009633_01	-0.599	-0.667	0.032	-0.262	-0.319	-0.331	0.129	0.303
A009639_01	-0.361	-0.217	-0.814	-0.606	0.069	0.113	-0.222	-0.143
A009641_01	0.211	0.183	0.235	-0.188	0.011	-0.12	-0.101	-0.092
A009660_01	-0.373	-0.317	0.299	0.077	-0.307	-0.5	-0.106 NA	
A009661_01	0.48	0.245	0.289	0.058	0.272	0.046	0.082	0.034
A009663_01	0.04	0.331	-0.034	-0.328	0.001	0.313	-0.008	0.08
A009665_01	-0.259	-0.302	-0.496	-0.217	-0.255	-0.131	-0.195	0.066
A009670_01	0.221	0.09	0.307	0.174	-0.1	-0.105	0.125	-0.063
A009676_01	0.183	0.185	-0.276	0.314	-0.088	-0.29	-0.311	-0.053
A009682_01	-0.209	-0.345	-0.312	0.171	-0.13	-0.384	-0.197	-0.194
A009684_01	0.007	-0.033	-0.431	-0.048	-0.534	-0.571	-0.121	0.169
A009688_01	-0.083	0.336	0.019	0.314	-0.16 NA		0.058	0.139
A009691_01	-0.075	0.043	-0.33	-0.252	0.14	0.313	-0.01	0.003
A009693_01	0.258	0.05	0.213	0.083	0.101	0.147	0.113	0.171

A009699_01	-0.003 NA	NA		0.007	0.114 NA		0.069 NA	
A009711_01	-0.124	-0.2	-0.098	0.254	0.187	0.055	-0.024	-0.046
A009713_01	0.716	0.423	0.388	-0.385	0.326	0.203	0.23	-0.002
A009728_01	-0.431	-0.387 NA		-0.191	-0.07 NA		-0.513 NA	
A009731_01	0.498	0.273	0.227	-0.018	0.318	0.167	0.087 NA	
A009733_01	0.387	0.593	0.365	-0.396	0.558	0.767	0.419	0.349
A009737_01	0.12	0.134	0.036	0.099	0.184	0.129	-0.076 NA	
A009738_01	-0.291 NA	NA		-0.364 NA	NA		-0.075	0.069
A009740_01	0.094	0.002	-0.23	-0.14	0.093	-0.143	-0.473	-0.46
A009744_01	0.35	0.127	0.321	0.344 NA		0.182	0.35	0.245
A009746_01	-0.008	-0.27	-0.111	0.222	0.005	-0.277	0.027	-0.052
A009751_01	0.204	0.087	0.318	0.518	0.377	0.281	0.483	0.253
A009752_01	-0.367	-0.815	-0.065	-0.038	0.318 NA		0.606	0.452
A009753_01	0.085	0.023	-0.692	0.203 NA		-0.586	-0.751	-0.499
A009755_01	0.382	0.496	0.173	-0.311	0.333 NA		0.379 NA	
A009761_01	0.252	0.196	0.257	0.162	0.086	0.062	0.099	0.049
A009762_01	0.086	-0.156	-0.243	0.243	-0.06	0.087	-0.104	0.047
A009764_01	-0.108	0.038	0.072	0.585	-0.202	-0.167	-0.221	-0.092
A009765_01	-0.156	-0.333	-0.414	-0.618	0.021	-0.153	0.097	-0.077
A009766_01	0.248	0.185	0.158	0.484	0.003	0.077	-0.19 NA	
A009769_01	-0.155	-0.371	-0.414	-0.217	-0.086	-0.148	-0.039	0.003
A009770_01	-0.157 NA		-0.32 NA		-0.049 NA		-0.002 NA	
A009776_01	-1.502	-1.277	-0.775	-0.871	-0.508	-0.837	-0.705	-0.489
A009777_01	0.055	-0.041	-0.043	-0.286	0.247	0.224	0.218	0.221
A009780_01	0.337	0.463	-0.427	-0.097	0.065	0.392	-0.115	0.034
A009784_01	0.641	0.65	0.201	-0.206	0.248	0.432	0.117 NA	
A009787_01	-0.189 NA		-0.468	-0.261	0.213	0.281	-0.235	-0.113
A009790_01	-0.128	-0.476	-0.043	0.216	0.005	-0.082	-0.164	-0.183
A009792_01	-0.204	-0.163	0.18	-0.016	-0.26	-0.284	-0.298	-0.093
A009796_01	0.049	0.18	0.227	0.048	-0.105	-0.126	-0.203	-0.197
A009797_01	0.307	0.407	-0.018	-0.824	-0.094	0.221	0.114	0.122
A009803_01	0.001	-0.02	-0.589	-0.742	0.137	0.101	-0.076	-0.042
A009805_01	0.267	0.041	-0.186	-0.091	0.132	0.085	-0.02	-0.214
A009809_01	0.133	0.008	0.185	0.193	0.149	0.024	-0.033	-0.047
A009811_01	-0.114	0.095	-0.138	-0.066	-0.358	-0.27	-0.868	-0.536
A009821_01	0.126	-0.096	0.224	0.164	0.201	0.087	0.227	0.047
A009822_01	0.658	0.521	0.286	0.757	0.193	-0.014	-0.741	-0.641
A009826_01	0.265	0.292 NA		-0.188	0.221	0.335	-0.003 NA	
A009834_01	0.059	0.08	-0.297	0.148	-0.082	-0.054	-0.185	-0.242
A009836_01	-0.865	-0.944	-1.102	-1.034	0.08	0.051	-0.889	-0.612
A009843_01	-0.526	-0.655	-0.556	-0.213	-0.059	-0.037	-0.038	0.114
A009845_01	-0.733	-0.798 NA		-0.947	-0.194	-0.26	-0.46	-0.226
A009846_01	-0.517	-0.532	-0.172	-0.242	0.146	-0.015	0.012	-0.057
A009848_01	0.25	0.189	-0.037	-0.409	0.416	0.386	0.157	0.113
A009849_01	0.08	0.072	0.153	-0.127	-0.027	0.127	-0.03	0.031
A009855_01	-0.102	-0.244 NA	NA		-0.051	-0.331	0.039 NA	
A009864_01	0.2	0.125	0.138	0.086	0.153 NA		0.089	0.077
A009867_01	-0.095	-0.009	-0.096	0.218	0.122	0.433	0.168	0.209
A009868_01	0.008	-0.23	0.014	0.095	0.125	-0.147	-0.085	-0.172
A009870_01	0.432	0.579	0.27	0.069	0.057	0.271	-0.097	-0.107
A009879_01	-0.152	-0.106	-0.179	0.247	-0.187	-0.005	-0.344	0.049
A009885_01	-0.048	-0.435	0.019	-0.18	0.211	-0.027	0.228	-0.043
A009890_01	0.915	0.924	0.933	0.758	0.334	0.53	0.952	0.765
A009894_01	0.389	0.403	-0.015	-0.404	-0.02	0.094	-0.21	-0.222
A009895_01	-0.14	-0.068	0.383	-0.009	0.162	0.105	0.106	0.039
A009898_01	-0.399	-0.372	-0.092	0.172	0.065	-0.069	-0.025	-0.088
A009900_01	-2.064	-2.29	-1.68	-1.746	-0.592	-0.497	-1.233	-0.926
A009902_01	0.113	-0.057	-0.184	0.191	0.071	-0.121	-0.076 NA	
A009905_01	-0.028	0.057	0.331	-0.262	-0.316	-0.555	-0.33	-0.241
A009906_01	-0.004	0.139	0.228	1.054	0.71	0.692	-0.006	0.126
A009911_01	-0.47	-0.578	-0.565	-0.345	-0.189	-0.66	-0.129	-0.131
A009916_01	-0.206	-0.02	0.017	0.422	0.083	0.234	0.139	0.213
A009920_01	0.021	-0.044	0.207	-0.004	0.242	0.027	0.106	0.05
A009926_01	-0.311	0.123	-1.111 NA		-0.113	0.144	-0.397 NA	
A009927_01	-0.094	-0.223	0.067	0.112	0.13	-0.166	0.215	-0.074
A009934_01	-0.452	-0.254	-0.31	0.095	-0.39	-0.802	-0.62	-0.42
A009939_01	-0.217	-0.328	-0.327	0.155	-0.075	-0.067	-0.242 NA	
A009941_01	-0.236	0.039	-0.058	-0.193	0.056	0.218	-0.132	-0.052

A009948_01	0.292	0.119	-0.279	0.337	0.047	-0.058	-0.325	-0.101
A009949_01	-0.916	-0.827	-0.449	-0.125	-0.493	-0.584	-0.286	-0.13
A009956_01	0.103	0.166	-0.228	-0.146	0.395	0.314	0.169	0.046
A009958_01	-0.332	-0.039	0.071	-0.22	-0.138	-0.016	-0.121	0.244
A009960_01	0.057	0.134	0.262	0.063	0.209	0.044	0.015	-0.009
A009964_01	0.064	0.074	0.048	0.076	-0.126	-0.021	-0.035	-0.059
A009965_01	0.226	0.278	0.229	0.265	0.006	0.065	0.172	0.118
A009968_01	-0.136	-0.38	-0.486	-0.279	0.114	-0.211	-0.457	-0.385
A009979_01	-0.049	-0.177	-0.09	-0.481	0.058	-0.228	-0.037	-0.174
A009988_01	-0.479	-0.413	-0.753	-0.938	-0.121	-0.113	-0.361	-0.454
A009989_01	-0.573	-0.615	-0.111	-0.245	-0.277	-0.313	-0.182	-0.159
A009990_01	0.395	0.472	-0.116	0.42	-0.002	-0.109	-0.364	-0.261
A009991_01	-0.169	-0.361	-0.047	0.454	-0.003	-0.343	-0.142	NA
A009994_01	-0.101	-0.082	-0.359	0.133	0.046	0.061	0.066	0.077
A009997_01	0.165	0.221	0.194	-0.435	-0.054	0.206	0.159	0.164
A010000_01	-0.025	0.162	0.33	0.287	0.093	-0.066	-0.094	-0.001
A010007_01	0.163	0.146	-0.272	0.131	0.139	NA	-0.223	-0.145
A010011_01	-0.241	-0.121	0.149	0.611	-0.15	-0.138	0.172	0.174
A010018_01	0.142	0.026	0.141	0.17	0.112	0.162	0.116	0.097
A010021_01	-0.07	-0.015	-0.542	0.262	-0.109	-0.011	-0.126	-0.002
A010023_01	-0.367	-0.006	0.323	0.333	0.056	-0.153	NA	0.104
A010025_01	0.303	0.159	NA	-0.061	0.226	0.195	0.1	0.083
A010027_01	-0.064	0.152	0.221	NA	-0.064	-0.17	-0.02	NA
A010028_01	-0.158	-0.001	-0.087	-0.2	-0.142	0.04	-0.058	0.04
A010033_01	0.241	0.294	-0.395	0.013	0.103	0.118	-0.174	-0.071
A010040_01	0.01	0.257	0.088	0.03	-0.017	0.024	0.022	-0.068
A010042_01	0.399	0.206	-0.115	0.234	0.086	-0.337	-0.077	-0.16
A010044_01	0.214	0.191	-0.003	0.303	0.192	-0.017	0.147	0.039
A010047_01	-0.072	-0.175	NA	-0.148	0.104	-0.048	-0.049	-0.145
A010048_01	0.827	0.895	0.953	0.995	0.201	0.089	-0.48	NA
A010049_01	0.257	0.031	0.293	0.394	0.361	0.277	-0.135	-0.097
A010051_01	-0.576	-0.383	0.261	0.152	-0.381	-0.563	-0.239	NA
A010059_01	-0.144	0.035	0.026	0.176	-0.301	-0.331	-0.039	-0.012
A010061_01	-0.04	-0.048	-0.262	-0.481	0.115	-0.139	-0.142	-0.078
A010065_01	0.989	0.955	1.267	0.872	0.357	0.638	-0.069	0.011
A010066_01	-0.639	-0.691	-0.481	-0.489	NA	-0.138	0.343	0.394
A010068_01	-0.099	-0.086	-0.381	-0.121	-0.025	-0.041	-0.398	-0.199
A010172_01	-0.514	-0.574	-0.198	0.162	-0.195	-0.332	-0.077	-0.099
A010173_01	-0.146	-0.305	-0.357	-0.281	-0.039	0.065	-0.088	-0.034
A010174_01	0.087	-0.077	0.116	0.333	-0.04	-0.078	0.294	0.163
A010190_01	0.08	-0.087	-0.142	-0.085	NA	NA	0.114	0.143
A010219_01	0.44	0.738	0.632	0.082	0.183	0.394	0.485	0.334
A010227_01	0.121	0.26	-0.137	0.157	0.035	0.142	-0.193	-0.03
A010255_01	0.146	-0.16	0.33	0.073	0.138	-0.12	0.354	-0.021
A010261_01	0.046	0.287	NA	0.25	0.443	0.596	0.163	0.272
A010262_01	0.015	0.185	-0.295	-0.073	-0.146	0.216	-0.126	-0.046
A010265_01	-0.134	-0.152	0.244	-0.457	0.045	0.123	0.208	0.174
A010270_01	-0.292	-0.133	-0.406	0.048	0.124	0.103	-0.054	NA
A010272_01	-0.23	-0.413	0.254	0.275	-0.199	-0.409	-0.194	-0.207
A010274_01	0.199	0.401	-0.172	-0.494	0.161	0.222	0.135	0.017
A010275_01	-0.164	-0.089	-0.167	-0.257	0.091	-0.023	-0.047	-0.072
A010276_01	-0.06	-0.184	0.402	-0.6	-0.07	-0.345	0.337	0.245
A010282_01	0.195	0.225	0.091	0.045	0.148	0.258	-0.003	-0.027
A010294_01	-0.096	-0.105	-0.108	0.003	0.172	0.206	0.003	0.11
A010296_01	-0.131	-0.039	-0.133	0.707	-0.056	-0.407	-0.028	0.084
A010300_01	-0.154	-0.084	NA	0.061	-0.2	-0.349	0.123	NA
A010306_01	-0.99	-1.044	NA	NA	-0.39	-0.425	-0.392	NA
A010307_01	0.32	0.391	0.059	-0.339	0.368	0.446	0.138	0.158
A010308_01	0.557	0.671	0.244	-0.284	0.226	0.564	0.191	0.187
A010310_01	0.178	-0.11	-0.241	0.02	0.102	0.064	-0.067	-0.046
A010313_01	-0.05	0.005	-0.077	0.288	0.041	NA	-0.06	NA
A010315_01	0.122	-0.127	-0.155	-0.019	0.239	0.229	-0.286	-0.335
A010316_01	0.57	0.5	0.019	-0.329	0.063	0.372	-0.21	-0.117
A010318_01	0.531	0.352	-0.171	0.037	0.115	0.465	-0.323	-0.249
A010320_01	0.219	0.371	-0.248	0.512	-0.123	-0.336	-0.234	-0.258
A010323_01	-0.295	-0.104	-0.41	0.022	-0.133	0.064	-0.068	-0.063
A010327_01	-0.127	-0.071	-0.145	0.147	-0.194	-0.294	-0.288	-0.098
A010328_01	-0.24	-0.351	-0.17	-0.252	0.095	-0.229	-0.02	-0.122

A010329_01	0.558	0.431	0.165	0.057	0.195	0.074	0.027	-0.145
A010333_01	0.265	0.537	0.195	-0.712	-0.392	-0.038	-0.15	0.111
A010343_01	-0.696	-0.79 NA		-0.335	-0.178 NA		-0.544 NA	
A010344_01	-0.181	-0.207	-0.183	0.22	-0.101	-0.243	-0.043	-0.155
A010345_01	0.138	0.175	0.337	-0.221	0.023	-0.104	0.096	-0.082
A010348_01	-0.26	-0.511	-0.459	-0.383	-0.213	-0.269	-0.214	0.212
A010349_01	0.278	0.123	0.337	0.197	0.058	0.133	-0.058	-0.145
A010354_01	-0.646 NA	NA	NA		-0.275	-0.271	-0.59 NA	
A010359_01	0.072	0.052	-0.181	-0.427	0.207	0.15	-0.044	0.087
A010362_01	0.288	0.364	0.098	-0.105	0.353	0.228	-0.153	-0.169
A010363_01	0.282	0.005	-0.06	0.206	0.206	-0.08	-0.075	-0.113
A010365_01	0.201	-0.076	-0.366	0.135	0.043	-0.116	-0.126	-0.138
A010369_01	0.251	0.033	0.122	0.304	-0.17	-0.433	-0.024	-0.209
A010371_01	0.423	0.333	-0.264	-0.221	0.424 NA		0.011 NA	
A010374_01	0.609	0.322	-0.07	-0.007 NA		0.231	0.04	-0.03
A010377_01	0.075	-0.018	0.073	-0.388	-0.062	-0.209	0.035	-0.147
A010378_01	-1.388	-1.533	-0.858	-0.076	-1.751 NA		-1.757	-1.594
A010379_01	0.028	0.213	0.35	0.134	-0.05	-0.033	-0.007	0.172
A010383_01	0.011	-0.008	0.304	0.035	0.502	0.692	-0.072	-0.003
A010390_01	0.24	0.195	0.174	0.596	0.222	0.125	0.438	0.31
A010393_01	-0.06	-0.123	0.406	0.598	-0.998	-1.514	-0.16	-0.19
A010395_01	0.169 NA		0.126	0.401	0.222 NA		0.071 NA	
A010400_01	-0.061	-0.252	-0.448	-0.148	0.157	0.083	-0.267	-0.367
A010404_01	0.065	0.169	0.038	0.161	-0.126	-0.248	-0.137	-0.089
A010411_01	-0.265	-0.421	0.126	0.193	0.105	-0.299	0.137	0.207
A010413_01	0.192	0.354	0.4 NA		0.16	0.313	0.202 NA	
A010414_01	-0.617	-0.665	-0.747	-0.516	-0.298	-0.249	-0.393	-0.159
A010417_01	-0.214	-0.156	-0.163	-0.617	0.247	0.375	0.203	0.169
A010420_01	-0.402	-0.646	-0.214	0.318	-0.223	-0.377	-0.254	-0.221
A010425_01	0.179	0.069	-0.231	0.127	0.032	0.216	-0.132	-0.202
A010433_01	0.07	0.163	0.208	-0.328	0.267	0.307	0.076	0.031
A010434_01	0.16	0.093	0.404	0.252	0.15	0.185	0.197	0.195
A010441_01	0.004	0.034	0.218	0.011	0.165	-0.091	0.087	0.099
A010443_01	0.294	0.195	-0.026	-0.89	0.088	0.274	0.363	0.197
A010449_01	0.116	0.056	0.181	0.124	-0.004	-0.144	-0.005	-0.146
A010451_01	0.362	0.254	-0.05	0.023	0.305	0.389	0.062	0.018
A010452_01	0.305	0.108	-0.034	0.04	0.126	0.209	0.086	0.064
A010456_01	0.093	0.145	0.043	-0.078	0.006	0.115	0.017	0.029
A010457_01	-0.087	-0.086	-0.172	-0.067	0.056 NA		-0.106	-0.142
A010458_01	-0.096	0.021	0.337	0.455	0.099	-0.009	-0.071	-0.094
A010459_01	-0.014	0.191	0.042	0.27	0.168	0.052	-0.076	-0.093
A010460_01	-0.022	0.177	0.248	0.145	-0.321	-0.382	-0.144	-0.103
A010461_01	0.262	0.157	0.774	0.842	0.455	0.245	0.942 NA	
A010463_01	-0.359	-0.458	0.276	0.493	-0.041	-0.295	-0.207	-0.085
A010464_01	0.474	0.177	-0.166	-0.144	0.319	0.5	-0.098	-0.123
A010466_01	0.376	0.174	-0.059	0.018	0.332	0.371	0.114 NA	
A010467_01	0.046	-0.015	-0.418	0.482	0.061	-0.206	-0.165 NA	
A010469_01	-0.204	0.013	0.189	0.408	0.182	0.016	-0.012	-0.088
A010473_01	-0.164	-0.094 NA		0.15	0.112	0.055	-0.171 NA	
A010480_01	0.384	0.145	-0.243	0.126	0.238 NA		0.035	0.081
A010481_01	-0.128	-0.339	-0.751	-0.476	-0.284	-0.721	-0.689	-0.358
A010495_01	-0.276	-0.293	-0.868	-0.655	-0.076	-0.185	-0.459	-0.173
A010498_01	0.408	0.336	-0.364	-0.234	0.194	0.167	-0.226	-0.293
A010502_01	-0.026	-0.074	-0.05	-0.04	0.338	0.497	0.04	-0.11
A010504_01	-0.005	-0.117	-0.045	0.31	0.121	-0.128	-0.122	-0.174
A010506_01	0.062	0.249	0.704	0.699	-0.32	-0.428	0.486	0.673
A010508_01	-0.231	-0.301	-0.187	-0.501	0.1	0.046	-0.089 NA	
A010516_01	-0.113	-0.141	0.029	0.33	0.082	0.041	-0.052	-0.008
A010517_01	-0.4	-0.661	-0.624	0.472	-0.705	-1.097	-0.634	-0.53
A010518_01	-0.098	-0.453	-0.574	-0.144	-1.062	-1.551	-0.229	-0.206
A010522_01	0.565	0.437 NA	NA		0.263	0.104	-0.012 NA	
A010526_01	0.288	0.038	0.339	0.621	0.077	-0.152	0.057 NA	
A010527_01	-0.594	-0.766	-0.191	-0.391	0.103	-0.021	-0.23	-0.499
A010534_01	-0.146	-0.335 NA		-0.383	0.134	0.2 NA		-0.023
A010535_01	-0.364	-0.255	-0.03	-0.399	-0.176	0.097	-0.065	0.135
A010538_01	0.183	0.182	0.305	0.477	-0.144	-0.079	0.04 NA	
A010541_01	-1.273	-1.021	-0.817	-0.334	-0.706	-0.659	-0.391	-0.157
A010544_01	0.331	0.14	0.185	-0.284	0.108	0.042	0.089	0.017

A010548_01	0.576	0.421	0.228	0.318	-0.024	-0.286	0.076	-0.017
A010549_01	0.378	0.417	0.379	-0.045	0.132 NA		0.275 NA	
A010555_01	-1.106	-1.132	-0.737	-1.016	-0.291	-0.176	-0.382	-0.425
A010557_01	-0.353	-0.478	-0.285	-0.142	0.031	-0.302	0.087	-0.095
A010559_01	-0.328	-0.196	-0.438	0.161	-0.047	-0.112	-0.117	0.022
A010563_01	-0.276	-0.441 NA		-0.8	-0.238	-0.248	-0.425	-0.283
A010564_01	0.296	0.102	-0.075	-0.132	0.166	0.229	0.24	0.046
A010568_01	0.015	-0.015	-0.16	0.162	0.163	0.413	0.09	0.129
A010571_01	-0.064	-0.341	-0.508	0.02	-0.26	-0.642	-0.25	-0.163
A010573_01	-0.123	-0.047	-0.156	0.048	0.144	-0.032	-0.001	0.019
A010578_01	0.325	0.317	0.484	0.592	-0.24	-0.482	-0.211	-0.1
A010579_01	0.424	0.462	0.499	1.061	0.341	0.28	0.22	0.287
A010582_01	-0.175	-0.131	-0.387	-0.101	-0.347	-0.496	-0.215	0.092
A010591_01	0.373	0.393	0.197	0.093 NA		0.506	0.163	0.277
A010592_01	0.325	0	0.434	0.216	0.049	0.273	0.307	0.115
A010593_01	-0.61	-0.305	0.023	0.006	-0.242	-0.143	-0.197	-0.034
A010595_01	0.047	0.033	0.023	0.268	0.042	-0.277	-0.072	-0.154
A010599_01	0.9	0.761	0.123	0.289	-0.307	-0.141	-0.161	-0.014
A010601_01	-0.707	-0.448	0.021	0.199	-0.174	-0.178	0.161	0.154
A010602_01	-0.426	-0.445	-0.242	-0.16	-0.148	-0.278	-0.25	-0.159
A010603_01	-0.082 NA		-0.248	0.051	0.095 NA		-0.346 NA	
A010604_01	0.092	0.14	0.071	0.028	0.261	0.174	0.216 NA	
A010605_01	0.198	-0.057	-0.002	0.277	0.064	-0.034	-0.058	-0.124
A010606_01	-0.002	-0.086	-0.385	-0.207	0.151	-0.067	-0.324	-0.418
A010607_01	0.357	0.424	0.06	-0.124	0.362	0.341	0.106	0.082
A010608_01	0.002	0.009	0.031	0.032	0.112	0.128	0.287	0.21
A010611_01	0.247	0.443	-0.221	-0.438	0.429	0.486	0.168	0.179
A010612_01	0.412	0.475	0.581	0.444	0.316	0.416	0.044	0.032
A010615_01	0.247	0.193	0.225	0.205	0.311	0.159	-0.044	-0.067
A010616_01	0.549	0.407	-0.503	-0.026	0.172	-0.052	-0.051	-0.143
A010617_01	0.008	-0.011	-0.246	-0.501	-0.006	-0.158	-0.101	-0.203
A010619_01	-0.83	-0.44	-0.748	-0.344	-0.442	0.007	-0.203	0.018
A010624_01	0.298	0.158	-0.55	-0.713	0.043	0.011	-0.139	-0.157
A010625_01	-0.146	-0.033	0.286	-0.197	0.157	0.111	-0.046	0.082
A010626_01	0.061	0.172	0.239	0.459	0.04	0.009	0.173	0.173
A010628_01	0.105	0.024	-0.26	0.23	-0.068	-0.037	-0.165	-0.051
A010629_01	-0.049	-0.244	-0.177	-0.485	-0.002	-0.428	-0.136	-0.12
A010632_01	-1.506	-1.677 NA		0.087	-0.396	-0.593	-0.277 NA	
A010633_01	0.361	0.355	0.201	0.625	0.381	0.468	0.107	0.064
A010634_01	0.37	0.526	-0.008	0.322	-0.05	0.043	-0.134	-0.108
A010636_01	0.032	-0.306	-0.208	0.337	0.098	-0.164	-0.14	-0.227
A010637_01	0.124	-0.07	0.044	0.448	0.157	0.061	-0.051	-0.032
A010638_01	-0.164	-0.181	0.07	0.618	0.072	-0.003	0.295	0.104
A010643_01	0.326	0.227	0.337	-0.002	0.062	-0.087	0.006	-0.09
A010645_01	0.136	0.25	0.358	0.182	-0.16	-0.08	0.01	0.122
A010647_01	0.368	0.259	-0.113	0.185	-0.041	0.061	-0.266	-0.162
A010648_01	-1.1	-1.234	-0.285	-0.572	-1.07	-1.069	-0.125	0.115
A010650_01	0.092	0.064	-0.165	-0.374	-0.022	0.045	-0.15	-0.098
A010652_01	0.052	-0.088	0.007	0.173	0.167	-0.031	0.038	0.006
A010656_01	-0.453	-0.473	0.06	-0.008	-0.126	-0.511	-0.167	0.023
A010658_01	0.54	0.706	0.059	-0.426	0.85	0.957	-0.189	-0.101
A010659_01	-0.273	-0.306	-0.196	-0.037	0.041	-0.236	0.103	0.069
A010660_01	-0.38	-0.785	-0.249	-0.04	-0.558	-0.89	-0.558	-0.368
A010663_01	0.033	-0.208	-0.022	0.157	0.253	0.089	-0.063	0.015
A010666_01	0.551	0.607	0.655	0.515	0.417	0.536	-0.108	0.002
A010669_01	-1.553	-1.518	-0.825	-0.63	-0.85	-0.909	-0.529	-0.335
A010676_01	-0.233	0.021	-0.153	-0.109	0.413	0.525	0.774	0.728
A010677_01	-0.217	-0.18	-0.244	-0.556	0.078	0.113	-0.21	-0.238
A010678_01	-0.224	-0.241	-0.198	-0.008	0.24	0.102	0.113	0.051
A010679_01	0.174	-0.031	0.089	0.192	-0.016	-0.206	0.045	-0.016
A010681_01	-0.38	-0.534	-0.069	0.216	0.058	-0.118	0.226	0.099
A010689_01	-0.17	-0.18	-0.198	-0.401	-0.439 NA		0.266	0.236
A010690_01	-0.166	-0.038	0.024	-0.334	-0.178	-0.039	0.014	0.143
A010693_01	-0.503	-0.536	-0.261	-0.133	0.052	-0.021	0.086	-0.05
A010696_01	0.021	-0.354	0.147	-0.012	0.336	0.151	-0.356	-0.295
A010698_01	-0.223	-0.494	0.254	0.301	0.08	-0.145	0.243	0.016
A010699_01	0.139	0.485	0.316	0.525	-0.023	-0.135	0.014	0.13
A010701_01	-1.103	-0.934 NA	NA		-0.311	-0.225	-0.686	-0.276

A010704_01	0.167	-0.001	-0.206	-0.79	0.061	-0.038	-0.332	-0.327
A010706_01	-0.173	-0.294	-0.132	-0.429	-0.233	0.183	0.03	0.069
A010708_01	0.71	0.917	0.679	0.672	0.035	0.379	0.373	0.338
A010709_01	0.071	0.11	0.255	0.227	0.169	-0.145	0.131	0.124
A010710_01	0.102	-0.061	-0.191	0.07	0.147	-0.041	0.03	0.044
A010713_01	0.128	0.021	-0.252	0.264	-0.106 NA		0.003	-0.046
A010715_01	-0.613	-0.623	-0.421	0.169	-0.223	-0.273	-0.124	-0.113
A010720_01	0.083	-0.071 NA		NA	-0.133	-0.328	0.01 NA	
A010724_01	0.547	0.381	0.395	0.159	-0.083	0.105	-0.157	-0.106
A010725_01	-0.029	0.09	0.142	-0.175	-0.036	-0.092	-0.118	-0.169
A010727_01	0.449	0.296	-0.423	-0.039	0.113	0.065	-0.124	-0.232
A010729_01	-0.116	-0.086	0.165	0.1	-0.109	-0.094	-0.007	-0.022
A010731_01	1.049	0.902	0.613	1.538	-0.139 NA		0.685	0.5
A010732_01	0.281	0.172	0.005	-0.049	0.281	0.311	0.097	0.135
A010733_01	0.451	0.511	-0.092	0.441	0.051	0.019	-0.416	-0.424
A010734_01	0.342	0.262	-0.285	-0.356	0.274	0.278	0.086	-0.13
A010737_01	-0.153	-0.089	-0.197	0.103	-0.16	-0.073	-0.079 NA	
A010739_01	0.94	0.742	0.572	0.514	0.68	0.794	0.758	0.62
A010744_01	-0.628 NA		-0.355 NA		-0.319 NA		0.167 NA	
A010745_01	-0.033	0.05	0.089 NA		0.074	0.169	0.073 NA	
A010749_01	0.106	0.14	0.206	0.123	-0.089	-0.022	0.324	0.228
A010750_01	-0.091	0.141	0.075	0.067	-0.269	-0.354	0.074	0.317
A010751_01	-0.028 NA		0.089	0.407	0.074	-0.146	0.173	0.175
A010756_01	0.471	0.245	0.37	0.28	0.234	0.121	-0.029 NA	
A010758_01	-0.013	0.032	0.013	-0.01	-0.18	-0.001	0.092	0.178
A010759_01	-0.119	-0.299	-0.051	0.167	0.096 NA		-0.065 NA	
A010772_01	0.143	0.349	-0.2	-0.006	-0.015	0.26	-0.101	0.054
A010775_01	0.007	-0.026	0.192	0.161	0.252	0.012	0.16 NA	
A010776_01	-0.117	-0.31	-0.208	-0.01	0.024	-0.027	-0.14	-0.01
A010781_01	-0.528	-0.864	-0.419	0.166	-0.087	-0.324	-0.145	-0.179
A010790_01	-0.785	-0.691	-0.933	-0.658	-0.248	-0.159	-0.122	0.081
A010803_01	-0.236	-0.2	0.098	0.139	0.032 NA		0.083	-0.05
A010804_01	-0.657	-0.491	0.071	0.502	0.061	0.201	0.629	0.597
A010805_01	0.128	-0.035	-0.064	-0.007	-0.088	-0.025	-0.028	0.009
A010815_01	0.003	0.211	-0.097	0.106	0.35	0.464	0.012	0.053
A010819_01	-0.451	-0.506	0.286	0.454	-0.106	-0.617	0.248	0.07
A010822_01	-0.52	-0.415	-0.78	-0.905	-0.244	-0.331	-0.137 NA	
A010834_01	-0.041	0.043	-0.079	0.187	-0.163	-0.044	-0.106 NA	
A010837_01	0.019	0.174	0.151	0.064	0.011	0.108	-0.046	0.097
A010846_01	-0.218	-0.001	0.191	0.443	0.319	0.193	0.397	0.289
A010851_01	0.167	0.047	-0.074	0.139	0.165	0.078	0.312	0.239
A010863_01	0.733	0.652	0.774	0.855	0.59	0.713	-0.211	-0.105
A010869_01	-0.099	0.013	-0.117	-0.011	-0.001	-0.173	-0.209	-0.268
A010874_01	-0.586	-0.441	-0.197	-0.208	-0.028	-0.058	0.291	0.246
A010875_01	0.809	0.455	0.354	-0.667	0.155	0.423	0.252	-0.057
A010876_01	0.371	0.19	0.137	0.367	0.211	0.047	-0.049 NA	
A010877_01	0.378	0.06	0.497	0.416	0.211	-0.071	0.13 NA	
A010879_01	0.267	0.06	0.125	0.118	0.093	-0.21	0.002	-0.325
A010881_01	0.43	0.363	-0.015	-0.669	0.293	0.504	-0.229	-0.316
A010885_01	0.074	0.15	-0.243	-0.533	-0.061	0.11	0.016	-0.084
A010887_01	-0.037	-0.058	-0.055	0.202	0.072	-0.039	-0.082 NA	
A010892_01	-0.015	0.119	0.097	0.263	-0.01	-0.176	-0.057	0.046
A010893_01	0.144	0.215	-0.087	0.114	-0.091	-0.132	-0.088	-0.026
A010898_01	0.583	0.624	0.642	1.057	0.014	0.026	0.157	0.345
A010902_01	-0.828	-0.877	-0.643	-0.965	-0.259	-0.28	0.066	-0.049
A010909_01	0.029	0.028	0.01	0.391	-0.06	-0.184	-0.137	-0.044
A010911_01	0.788	0.952	0.331	0.704	0.579	0.54	0.122	0.113
A010912_01	-0.009	0.141	0.667	0.498	0.058 NA		0.495	0.285
A010915_01	-0.394	-0.307	-0.293	-0.515	-0.231	-0.302	-0.367	-0.151
A010916_01	0.149	-0.006	0.348	0.013	0.346	0.077	0.463	0.12
A010926_01	-0.166	-0.182	-0.032	0.263	-0.084	-0.46	0.134	0.086
A010929_01	0.085	0.148	-0.189	-0.21	-0.03	0.163	-0.017 NA	
A010934_01	0.238	0.138	0.004	0.235	0.244	-0.054	-0.178	-0.19
A010935_01	-0.758	-1.002	-0.429	-0.199	-0.42	-0.67	-0.314 NA	
A010938_01	0.343	0.596	0.607	0.024	0.306	0.142	0.063	0.108
A010941_01	-0.128	0.096	-0.06	0.08	-0.105	0.092	-0.167	0.114
A010942_01	-0.033	-0.034	0.119	0.005	0.146	0.117	0.081	-0.046
A010943_01	-0.303	-0.23	-0.367	0.111	0.008	-0.269	0.02	-0.117

A010947_01	-0.126	-0.012	-0.238	0.16	0.022	0.005	-0.088	-0.089
A010948_01	0.447 NA		0.043	0.613 NA	NA		-0.067 NA	
A010949_01	-1.456	-1.894 NA		-1.652	-0.926	-1.406	-1.128	-0.827
A010951_01	-0.228	-0.051	-0.332	-0.206	0.099	0.078	-0.238	-0.025
A010955_01	0.172	0.346	0.554	0.618	0.445	0.73	0.593	0.382
A010958_01	-3.074 NA	NA	NA		-1.997	-2.743	-2.016	-1.416
A010960_01	0.161	0.214	0.14 NA		0.055	-0.062	-0.062	-0.004
A010961_01	-1.537	-1.599	-0.904	-1.432	-0.562	-0.761	-0.68	-0.442
A010963_01	-0.107	-0.115	-0.164	-0.271	0.014	0.109	-0.045	-0.121
A010964_01	-0.523	-0.922	-0.424	-0.298	-0.114	-0.336	0.2	0.036
A010973_01	0.433	0.529	0.4	0.027	0.025	-0.386	0.206	0.044
A010976_01	0.279	0.151	0.064	0.132	0.218	0.19	0.001	-0.149
A010980_01	0.037 NA		-0.228	-0.338 NA		0.404	-0.05	-0.248
A010995_01	0.192	0.047	-0.269	0.172	0.108	-0.014	0.024	-0.104
A010996_01	-0.974	-0.871	-0.53	0.05	-0.216	-0.342	-0.065	-0.115
A011002_01	0.173	0.351	-0.016	-0.004	-0.019	0.173	0.15	0.206
A011007_01	-1.04	-1.035	-0.851	-0.563	-0.153	-0.071	0.224	0.158
A011019_01	-0.359	-0.546	-0.434	-0.803	-0.091	-0.376	-0.218	-0.371
A011021_01	0.351	0.483 NA		-0.124	0.142	0.227	0.062	-0.046
A011029_01	-0.67	-0.656	-0.071 NA		-0.18	-0.354	-0.089 NA	
A011033_01	-0.199	-0.456	-0.328	-0.109	0.079	0.133	-0.119	-0.145
A011038_01	-0.254	-0.435	-0.579	-0.26	-0.029	-0.175	-0.241	-0.196
A011039_01	-0.116	-0.117	0.082	0.071	-0.187	-0.229	0.017	-0.01
A011040_01	-0.174	-0.162	0.184	-0.254	0.326	0.292	0.117	0.169
A011046_01	0.331	0.133	0.519	0.498	0.077	-0.351	0.258	0.13
A011048_01	0.658	0.435	0.451	0.405	0.421	0.274	0.42	0.422
A011054_01	-0.19	-0.16	-0.15	0.29	0.233	-0.031	-0.06	-0.111
A011055_01	0.42	0.376	0.164	0.082	0.084	-0.078	-0.127 NA	
A011064_01	-0.358	-0.459	-0.01	-0.193	-0.031	-0.288	-0.189	-0.2
A011068_01	-0.145	-0.059	0.272	0.049	0.024	-0.208	0.209	0.137
A011077_01	-0.125 NA		0.249	0.568	0.216 NA		-0.104 NA	
A011078_01	-0.506	-0.695	-0.416	-0.098	-0.169	-0.441	0.225	0.116
A011085_01	0.206	0.163	-0.031	-0.213	0.102	-0.128	0.491	0.176
A011089_01	0.43	0.351	0.423	0.122	0.017	0.001	0.01	-0.058
A011090_01	0.29	0.257	-0.461	-0.419	0.357	0.186	-0.069	-0.207
A011094_01	0.264	0.073	-0.375	-0.575	0.235	0.347	-0.391	-0.342
A011096_01	-0.037 NA	NA		0.107	0.165 NA	NA	NA	
A011104_01	0.066	-0.051	0.128	0.289	-0.108	-0.218	0.46	0.404
A011108_01	0.275	-0.002	0.221	-0.123	0.322	0.373	0.252	-0.101
A011109_01	-0.35	-0.46	-0.562	-0.843	-0.119	-0.099	-0.318	-0.402
A011114_01	-0.326	-0.105	0.073	-0.903	0.021	0.211	-0.081	-0.073
A011121_01	-0.503	-0.523	-0.099	-0.428	-0.261	-0.53	-0.176	-0.134
A011124_01	0.237	0.151	-0.449	-0.457	0.334	0.248	0.086	0.096
A011130_01	-0.208	-0.119	-0.379	-0.299	0.255	0.514	-0.37	-0.202
A011132_01	-0.077	-0.064	0.187	0.364	0.059	-0.139	0.112 NA	
A011133_01	0.194	0.341	-0.062	-0.076	0.269	0.304	0.164	0.19
A011142_01	-0.135	-0.264	-0.258	0.158	0.078	-0.069	0.129	-0.022
A011146_01	-3.144	-3.589	-2.826	-3.334	-1.929	-2.79	-2.479	-2.046
A011148_01	0.1	0.21	-0.487	-0.073	0.158	-0.059	-0.33	-0.087
A011153_01	0.317	0.23	0.415	0.467	0.204	-0.193	0.224	0.138
A011159_01	-0.295	-0.017	0.014	0.593	-0.137	-0.303	-0.26	0.071
A011163_01	0.389	0.459	0.461	-0.243	0.402	0.503	0.198	0.066
A011164_01	0.501 NA		-0.377	-0.158	0.035 NA		0.15	0.024
A011167_01	0.429	0.369	0.261	0.256	0.252	0.288	-0.046 NA	
A011171_01	-0.634	-0.433	0.064	-0.379	-0.149	-0.211	-0.077	0.02
A011187_01	-0.185 NA		-0.762	-0.883	0.181 NA		0.063	-0.152
A011189_01	0.196	0.001	-0.426	-0.485	0.214	0.248	0.034	0.081
A011190_01	0.408	0.561	0.36	0.556	0.33	0.644	0.543	0.571
A011193_01	0.295	0.608	0.566	0.34	0.698	0.922	0.936	1.002
A011194_01	0.198	-0.041	-0.087	-0.21	0.125	-0.242	-0.044	-0.078
A011198_01	-1.347	-1.877	0.132	-0.559	-0.108	-0.632	-0.685	-0.811
A011199_01	-0.025	-0.102	-0.013	-0.386	-0.422	-0.748	0.184	0.03
A011200_01	0.004	-0.215	0.152	0.263	0.18	0.148	0.248	0.114
A011203_01	-0.506 NA	NA		-0.485	-0.236	-0.49	-0.424 NA	
A011208_01	0.021	-0.065	-0.301 NA		0.039	-0.306	-0.31 NA	
A011223_01	0.062	-0.063	0.049	0.199	0.078	-0.19	-0.05	0.024
A011226_01	0.729	0.395	0.435 NA		0.413	0.219	0.193 NA	
A011227_01	-0.54	-0.465	0.642	0.714	0.019	0.136	1.031	0.954

A011228_01	-0.156	-0.209	0.189	0.334	-0.74	-0.971	-0.867	-0.638
A011231_01	0.32	0.173	-0.101	0.284	0.298	0.393	-0.052	-0.125
A011242_01	-0.102	-0.191	0.074	0.04	-0.139	-0.073	-0.105	0.021
A011250_01	0.333	0.236	0.437	-0.175	0.304	0.302	0.154	0.09
A011263_01	0.277	0.131	0.145	-0.018	0.036	-0.02	0.125	-0.023
A011267_01	0.697	0.646	0.6	0.628	0.169	-0.075	0.365	0.129
A011270_01	0.503	0.484	0.391	0.003	0.364	0.58	0.256	0.364
A011274_01	0.835	0.834	0.851	0.922	-0.196	-0.341	-0.334	-0.256
A011285_01	-1.098	-1.226	-0.583	-1.133	-0.552	-0.66	-0.1	-0.028
A011288_01	0.012	0.048	0.715	1.019	0.661	0.466	0.581	0.183
A011296_01	0.409	0.565	-0.419	0.04	0.325	0.327	-0.231	-0.309
A011301_01	-0.097	-0.005	-0.036	-0.031	-0.151	-0.043	0.082	0.147
A011304_01	0.287	0.38	0.234	0.213	-0.165	0.004	-0.154	0.14
A011306_01	0.197	0.253	-0.108	-0.411	0.254	0.327	0.138	-0.075
A011307_01	0.1	0.495	0.934	0.773	0.625	0.632	-0.098	0.114
A011311_01	-0.049	-0.178	-0.107	-0.529	0.105	0.046	0.086	-0.052
A011320_01	0.816	0.707	1.261	1.716	-0.028	-0.397	-1.044	-0.799
A011322_01	-0.153	-0.39	-0.367	-0.799	0.156	0.201	0.216	0.142
A011323_01	-0.118	-0.078	-0.124	0.184	-0.04	-0.165	-0.041	-0.153
A011326_01	0.067	0.166	-0.428	-0.049	-0.194	-0.095	-0.283	-0.043
A011331_01	-0.212	-0.666	-0.711	-0.251	-0.176	-0.507	-0.853	-0.518
A011336_01	-0.233	-0.263	-0.033	-0.21	-0.09	-0.188	-0.077	-0.14
A011338_01	-0.265	-0.337	-0.402	-0.304	-0.223	-0.452	-0.339	NA
A011339_01	-0.094	0.043	0.227	0.096	-0.244	-0.145	-0.204	-0.028
A011341_01	0.054	-0.257	NA	0.087	0.092	-0.141	-0.03	-0.094
A011342_01	0.496	0.558	-0.133	-0.101	0.099	0.053	-0.104	-0.024
A011343_01	0.567	0.728	0.414	0.354	0.4	0.449	0.042	0.151
A011344_01	-0.394	-0.496	-0.216	0.409	-0.737	-0.844	-0.281	-0.021
A011349_01	0.168	0.034	0.187	-0.276	0.27	0.105	0.129	0.077
A011356_01	-0.111	NA	-0.359	0.324	-0.008	NA	0	0.18
A011359_01	-3.321	-3.911	-2.991	-3.438	-2.136	-2.481	-1.766	-1.442
A011361_01	0.157	0.341	0.149	-0.136	-0.112	-0.089	0.007	0.069
A011372_01	-0.146	0.07	0.155	0.572	-0.078	-0.502	0.042	NA
A011374_01	-0.295	-0.268	0.229	-0.329	-0.007	-0.231	0.072	0.004
A011382_01	-0.124	-0.259	-0.235	0.049	-0.219	0.007	-0.11	-0.013
A011384_01	-0.015	0.062	0.21	-0.084	0.098	-0.072	0.1	-0.099
A011385_01	0.18	0.091	0.002	-0.154	0.114	-0.004	0.183	-0.035
A011387_01	-0.214	-0.001	-0.102	0.066	0.108	0.103	-0.108	NA
A011390_01	-0.188	-0.106	-0.279	-0.337	0.005	-0.334	0.005	NA
A011395_01	-0.012	0.129	0.087	-0.464	0.277	0.573	0.153	0.204
A011396_01	0.198	0.217	0.135	0.332	-0.236	-0.458	-0.264	-0.048
A011397_01	-0.352	-0.37	-0.316	-0.244	-0.337	-0.24	-0.181	0.027
A011407_01	-0.284	-0.276	-1.083	-0.974	-0.304	-0.196	-0.662	-0.342
A011414_01	0.653	0.478	0.23	-0.412	0.382	0.328	0.2	0.082
A011416_01	0.16	0.226	0.403	-0.206	0.293	0.347	0.226	0.149
A011419_01	0.181	0.313	0.218	0.597	-0.172	-0.38	-0.245	-0.033
A011422_01	0.079	-0.04	0.049	0.043	0.148	0.062	0.053	-0.089
A011426_01	0.338	NA	-0.308	-0.596	0.224	NA	0.064	-0.113
A011428_01	-0.011	NA	-0.036	-0.315	0.104	0.066	-0.13	NA
A011429_01	0.061	0.476	0.615	-0.205	0.096	0.456	-0.057	NA
A011435_01	0.344	0.323	0.057	-0.32	0.208	NA	0.05	0.142
A011436_01	-1.001	-1.07	NA	-0.282	-1.083	-1.591	-1.136	-0.721
A011441_01	-0.55	-0.391	0.129	0.075	-0.222	-0.301	-0.407	-0.293
A011445_01	-0.066	-0.062	0.215	-0.308	0.132	0.166	0.078	0.082
A011446_01	-0.059	0.142	NA	0.249	0.136	0.076	-0.182	NA
A011452_01	0.178	0.334	0.214	0.256	0.108	0.264	0.01	0.002
A011455_01	-0.364	-0.229	-0.071	-0.012	0.094	0.071	-0.114	-0.247
A011460_01	0.525	0.264	0.421	0.149	NA	0.117	0.186	0.181
A011461_01	0.778	0.085	0.092	0.017	0.535	-0.127	0.05	0.152
A011462_01	0.27	-0.264	-0.433	0.406	0.103	-0.468	-0.126	-0.066
A011471_01	-0.022	NA	0.007	-0.256	0.091	NA	-0.099	NA
A011472_01	0.057	-0.27	0.087	0.014	0.003	0.066	0.238	0.277
A011474_01	0.236	0.085	0.52	0.162	-0.044	-0.12	0.008	0.097
A011478_01	0.232	-0.043	-0.217	-0.7	0.098	0.178	-0.079	-0.003
A011479_01	-0.121	-0.001	0.377	0.395	0.083	-0.046	0.187	0.036
A011480_01	0.123	0.01	0.098	-0.065	0.036	0.038	0.154	-0.002
A011486_01	-0.11	-0.047	0.01	-0.128	-0.229	-0.122	-0.029	0.202
A011487_01	-0.083	NA	-0.405	-0.395	-0.026	-0.039	0.023	0.16

A011489_01	0.38	0.425	1.19	1.361	0.126	-0.115	0.21 NA	
A011491_01	-0.353	-0.439 NA	NA		0.098	-0.333	0.467	0.257
A011505_01	0.468	0.835	0.842	0.85	-0.084	0.24	0.469	0.373
A011508_01	-0.005	-0.079	0.11	-0.045	-0.071	-0.013	0.025	0.168
A011510_01	0.191	-0.057	0.043	0.056	0.104	0.075	-0.041	0.109
A011511_01	0.112	-0.142	0.182	0.383	-0.105	-0.2	-0.162	-0.215
A011512_01	-0.257	-0.202	-0.303	-0.193	0.093	-0.153	-0.221 NA	
A011521_01	0.05	0.114	0.123	-0.28	0.041	0.123	-0.048	-0.064
A011522_01	0.364	0.385	0.206	-0.147	0.182	0.278	0.144	0.084
A011523_01	-0.032	0.001	0.275	0.698	-0.539	-0.739	-0.561 NA	
A011526_01	-0.257	-0.423	-0.314	-0.328	0.014	-0.15	-0.066	-0.075
A011532_01	-2.087	-2.402	-2.654	-2.297	-0.842	-0.747	-1.035	-0.767
A011533_01	0.668	0.67	-0.079	-1.032	0.406	0.374	-0.106	-0.029
A011535_01	-0.15	-0.191	0.243	0.02	-0.109	-0.262	-0.064	-0.149
A011536_01	0.544	0.371 NA	NA		-0.02 NA	NA	NA	
A011539_01	-0.052	-0.186	-0.01	-0.194	-0.092	-0.215	-0.025	-0.001
A011540_01	-0.096	0.051	0.303	0.091	0.1	0.087	-0.07	0.145
A011541_01	0.574	0.516	0.379	-0.19	0.236	0.419	0.284	0.454
A011544_01	0.115	0.124	-0.124	0.037	0.23	0.224	-0.005	-0.169
A011546_01	0.176	-0.116	0.268	-0.128	0.328	0.28	-0.048	-0.063
A011548_01	-1.091	-1.144	0.152	0.717	-2.454 NA		-1.328	-1.141
A011550_01	-1.118	-1.307	-0.208	-0.516	-0.355	-0.918	-0.138	-0.154
A011557_01	0.052	0.108	0.291	0.122	0.127	0.02	0.086	-0.018
A011566_01	0.026	0.063	0.149	-0.271	0.118	0.296	0.151	0.129
A011569_01	0.379	0.215	0.502	0.543	-0.102	-0.204	0.142	-0.024
A011571_01	0.336	0.28	0.391	0.243	0.219	0.003	-0.03 NA	
A011574_01	0.382	0.112	0.1	-0.31	-0.014	0.348	0.054	0.098
A011575_01	-0.448	-0.665	-0.636	-0.205	-0.152	-0.287	-0.038	-0.057
A011576_01	-0.299	-0.611	-0.015	0.162	0.246	-0.044	0.127	-0.08
A011584_01	-0.084	-0.044	-0.086	-0.297	0.184	0.352	-0.007	0.029
A011585_01	0.509	0.533	0.633	-0.365	0.479	0.683	0.195	0.045
A011589_01	0.167	0.039	-0.045	-0.413	-0.042	-0.028	-0.108 NA	
A011592_01	0.139	0.068	-0.29	-0.12	0.082	0.168	-0.112	-0.112
A011593_01	0.601	0.726	0.014	-0.578	0.26	0.549	0.066	0.066
A011600_01	-0.771	-0.702	-0.29	-0.375	-0.415	-0.29	-0.027	0.075
A011601_01	0.917	0.9	0.984	1.358	0.409	0.723	0.639	0.566
A011604_01	0.643	0.524	0.298	0.303	0.032	-0.138	0.008	-0.04
A011606_01	-1.35	-1.313	-1.1	-0.759	-0.438	-0.737	-0.523 NA	
A011607_01	0.358	0.214	0.421	0.01	0.239	0.445	0.144	0.078
A011610_01	-0.47	-0.378	-0.213	0.05	-0.019	0.001	0.195	0.21
A011611_01	-0.094	-0.126	-0.312	-0.132	0.107	-0.226	-0.184	-0.162
A011613_01	0.509	0.614	0.395	-0.531	0.265	0.47	0.406	0.413
A011614_01	0.1	0.301	0.595	0.476	-0.511	-0.648	0.27	0.532
A011619_01	0.742	0.688	0.376	-0.731	0.416	0.531	0.276 NA	
A011622_01	-0.926	-0.795	-0.614	-0.833	0.222	0.342	-0.173	-0.152
A011624_01	0.158 NA		-0.326	-0.075	0.105	0.188	0.078	0.16
A011625_01	0.079	0.119	-0.143	0.224	-0.125	-0.075	-0.151 NA	
A011629_01	0.218	0.521	0.424	-0.083	0.063	0.062	-0.116	-0.013
A011630_01	0.255	0.19	0.084	-0.079	0.241	0.23	0.03 NA	
A011631_01	0.292	0.421	-0.266	-0.174	0.032	0.242	0.084	0.064
A011634_01	0.027	0.068	-0.712	0.255	-0.136	-0.201	-0.196	-0.241
A011637_01	0.58	0.474	-0.001	-0.479	0.246 NA		0.063 NA	
A011650_01	0.102	0.005	0.012	0.016	-0.101	-0.117	-0.145	-0.182
A011652_01	0.026	0.086	-0.089	-0.169	0.142	0.227	-0.04	0.22
A011653_01	0.001	-0.011	-0.2	0.031	0.068	0.016	-0.103	-0.067
A011654_01	0.112	0.035	0.049	0.26	0.12	0.026	0.08	-0.001
A011655_01	-0.214	-0.257	-0.015	-0.515	0.34	0.098	0.12 NA	
A011658_01	-0.566	-0.415	-0.985	-0.85	0.192	0.443	-0.872	-0.645
A011661_01	-0.019	0.032	-0.343	0.222	0.168	0.272	0.081	-0.001
A011662_01	0.197	0.123	-0.419	0.176	-0.389	-0.693	-0.252	-0.214
A011663_01	-0.251	-0.212	0.323	0.214	0.039	-0.037	-0.065	-0.089
A011665_01	0.069	0.138	-0.213	-0.273	-0.006	0.267	-0.003	0.021
A011666_01	0.066	-0.001	-0.02	-0.048	-0.123	-0.301	-0.282 NA	
A011671_01	-0.366	-0.251	-0.202	0.056	-0.205	-0.107	-0.542	-0.099
A011672_01	0.096 NA		0.084	-0.603	0.212 NA		0.162 NA	
A011673_01	-0.076	-0.043	0.17	-0.135	0.697	0.738	0.28	0.234
A011674_01	0.261	0.456	-0.123	-0.072	0.156	0.112	0.036	0.034
A011675_01	-0.177 NA		0.055	-0.342	0.161 NA		0.309	0.357

A011677_01	-0.238	-0.364	-0.462	-0.039	0.061	-0.129	0.177	0.011
A011678_01	-0.319	-0.444	-0.017	-0.057	0.063	-0.142	0.224 NA	
A011687_01	-0.008	0.131	0.024	-0.356	0.051	0.154	0	0.146
A011689_01	-0.22	-0.165	0.637	0.588	0.213	0.12	0.721	0.61
A011691_01	0.352	0.248	0.033	-0.3	0.388	0.386	0.151	0.051
A011692_01	-0.2	0.091	-0.061	-0.304	-0.085	0.276	-0.034	0.159
A011693_01	-0.335 NA		-0.505	0.02	-0.113 NA		-0.017	0.085
A011694_01	0.088	-0.004	-0.032	-0.318	-0.151	0.184	0.081	0.187
A011695_01	0.164	0.353	-0.18	-0.222	0.184	0.27	-0.184	-0.053
A011696_01	0.195	0.283	-0.126	-0.262	0.251	0.457	0.103 NA	
A011700_01	-0.541	-0.132	0.027	0.059	-0.066	0.044	-0.195	0.155
A011703_01	0.098	-0.011	0.358	-0.37	0.344	0.221	0.327	0.242
A011712_01	0.31 NA		0.165	-0.27	0.412 NA		0.305	0.244
A011713_01	0.499 NA		0.217	0.102	-0.16 NA		0.084	-0.085
A011716_01	0.175	0.054	-0.131	-0.244	0.139	0.269	0.116	0.077
A011717_01	0.477	0.783	-0.018	0.094	-0.385	-0.193	-0.033	0.157
A011718_01	-0.193 NA		0.166	0.514	-0.072	0.52	0.312	0.441
A011719_01	0.041	0.327	0.187	-0.635	0.383	0.681	0.055	0.216
A011720_01	-0.86	-0.658	-0.338	-0.13	-0.348	-0.36	-0.109 NA	
A011722_01	0.491	0.53	0.506	0.274	-0.148	-0.013	-0.025	0.071
A011724_01	-0.329	0.079	0.382	0.13	0.201	0.161	0.025	0.316
A011725_01	0.63	0.504	0.095	-0.026	0.106	0.158	0.032	-0.012
A011726_01	-1.355	-1.236	-1.26	-0.643	-0.368	-0.133	-0.167	0.072
A011728_01	-0.376	-0.379	-0.307	0.119	0.009	-0.049	0.103	-0.01
A011732_01	0.047	-0.007	0.427	0.058	0.071	0.227	0.343	0.523
A011740_01	0.509 NA		0.166	-0.309	-0.038 NA		0.712	0.497
A011743_01	-0.022	0.389	0.16	-0.399	-0.051	0.28	-0.12	-0.122
A011749_01	-0.104	-0.331 NA			-0.076	-0.299	-0.066 NA	
A011750_01	-0.228	-0.093	0.192	0.13	0.158	0.252	-0.149	-0.024
A011752_01	-0.161	-0.003	0.187	-0.177	0.061	0.249	0.068	0.103
A011755_01	-0.433	0.155	0.065	0.166	-0.382	0.364	0.066	0.561
A011757_01	-0.118	-0.098	0.049	-0.37	0.071	0.242	0.052	0.115
A011758_01	-0.558	-0.652	-0.514	-0.517	-0.362	-0.277	-0.102	0.021
A011760_01	0.313	0.52	0.235	0.549	-0.204	0.023	0.006	0.138
A011761_01	0.043	-0.24	-0.292	0.269	-0.085	-0.124	0.144	0.1
A011762_01	-0.011	-0.068	0.05	0.233	-0.139	-0.173	-0.138 NA	
A011763_01	0.29	0.328	0.087	0.021	0.348	0.564	-0.048	-0.006
A011764_01	0.362	0.227	0.336	0.076	0.253	0.084	0.303	0.186
A011766_01	0.293	0.428	0.501	0.437	0.138	0.117	0.711	0.575
A011767_01	-0.132	-0.204	-0.372	-0.11	0.087	0.147	-0.07	-0.021
A011769_01	-1.108	-1.029	-0.739	-0.26	-0.217	-0.25	-0.156	-0.146
A011770_01	0.033	-0.163	-0.265	-0.221	0.251	0.22	-0.124	-0.216
A011772_01	-0.004	-0.201	-0.055	-0.208	0.076	-0.239	0.142	-0.13
A011773_01	-0.093 NA		-0.173	-0.562	0.256	0.321	0.233 NA	
A011774_01	0.077	0.038	0.358	-0.159	0.083	-0.023	0.067 NA	
A011775_01	-0.136	-0.212	0.02	-0.005	-0.012	0.116	0.08	0.087
A011777_01	-0.139	0.195	0.465	0.246	-0.104	-0.003	0.478	0.469
A011778_01	-0.174	-0.017	0.165	0.081	0.23	0.222	-0.019	0.123
A011779_01	-0.377	-0.545	0.039	0.156	0.032	-0.09	0.208	0.084
A011780_01	-0.007	-0.254	0.066	0.048	0.075	-0.149	0.179	0.076
A011781_01	-1.023	-1.334	-0.403	-0.299	-0.553	-0.883	0.268	0.099
A011782_01	0.693	0.61	-0.144	-0.043	0.02	0.093	-0.036	-0.187
A011784_01	-0.127	-0.237	0.145	0.069	0.121	0.005	0.332	0.142
A011788_01	-0.535	-0.683	-0.134	-0.139	-0.373	-0.539	-0.105	-0.135
A011793_01	-0.016	-0.027	-0.329	0.062	0.081	0.143	0.349	0.372
A011795_01	0.678	0.696	-0.395	-0.286	0.581	0.538	-0.014	-0.008
A011797_01	0.035	0.102	0.436	0.772	0.22	0.45	0.162 NA	
A011798_01	-0.141	-0.044	-0.092	-0.178	0.067	0.001	0.007	0.029
A011800_01	0.057	-0.075	-0.153	-0.391	0.206	0.139	0.082	-0.123
A011802_01	-0.116	-0.12	0.084	-0.004	-0.101	-0.066	-0.058	-0.178
A011806_01	-0.471	-0.286	0.271	-0.356	0.024	0.231	0.142	0.035
A011807_01	-0.145	-0.151	0.195	0.228	-0.503	-0.256	-0.011	0.137
A011808_01	0.517	0.636	0.224	0.432	-0.097	0.063	0.057	0.185
A011810_01	0.543	0.767	0.214	0.81	0.81	1.059	0.449	0.54
A011811_01	-3.379	-4.087 NA		-3.545	-2.576	-3.193	-1.893	-1.657
A011812_01	-0.29	-0.267	0.136	-0.029	-0.01	0.046	-0.082	-0.055
A011813_01	-0.149	-0.142	0.047	0.089	-0.043	-0.041	-0.256	-0.062
A011814_01	0.476	0.326	-0.083	0.018	0.007	0.355	0.02	-0.061

A011816_01	0.67	0.341	0.221	-0.302	0.536	0.351	0.224	-0.081
A011817_01	0.198	0.264	-0.079	-0.017	0.575	0.566	-0.048	-0.12
A011819_01	-0.419	-0.363	0.38	0.317	-0.005	0.096	-0.227	-0.264
A011820_01	0.236	-0.143	-0.448	-0.572	0.21	0.205	-0.395	-0.303
A011822_01	0.706	0.556	0.028	-0.158	-0.08	-0.156	-0.12	-0.027
A011825_01	0.102	0.003	-0.084	0.028	0.129 NA		0.114	0.063
A011826_01	0.541	0.548	0.338	0.056	-0.03	0.037	0.248	0.092
A011830_01	-0.082	-0.013	-0.002	-0.218	0.037	0.022	0.02	-0.197
A011831_01	0.138	0.126	0.277	0.211	0.004	0.209	-0.057	0.031
A011838_01	0.083	-0.096	0.355	0.131	0.109	0.031	0.02 NA	
A011842_01	0.145	-0.07	0.142	0.448	0.332	0.231	0.097	0.036
A011843_01	-0.122	0.144	-0.225	0.091	-0.288	0.044	-0.247	-0.014
A011844_01	0.316	0.308	0.458	0.188	0.181	0.424	0.24	0.283
A011852_01	0.068	0.215	0.17	0.198	0.2	0.101	0.147	0.108
A011853_01	-0.037	-0.197	0.248	0.402	-0.046	-0.148	0.208	0.058
A011854_01	0.162	-0.038	-0.153	0.075	0.121	0.203	0.472	0.375
A011855_01	0.146	0.285	0.14	0.489	0.096	-0.012	-0.061	-0.025
A011856_01	-0.057 NA		-0.174	-0.092	-0.099 NA		0.005	0.13
A011858_01	0.163	-0.159	0.053	0.221	-0.106	-0.217	0.09	-0.067
A011859_01	0.175	0.049	-0.038	0.114	-0.071	-0.088	-0.134	-0.177
A011861_01	-0.376	-0.837	-0.347	0.319	-0.686	-1.406	-0.544	-0.495
A011862_01	-0.56	-0.648	-0.14	-0.566	0.201	0.085	0.07	-0.007
A011864_01	-0.355	-0.56 NA		-0.645	0.093 NA		0.46	0.215
A011865_01	-0.166	-0.422	0.019	-0.134	0.16	-0.197	-0.109	-0.152
A011866_01	0.038	0.09	-0.255	-0.079	0.164	0.143	-0.097	-0.156
A011870_01	0.013	0.089	-0.024	-0.034	0.157	0.042	-0.173	0.01
A011872_01	0.08	0.111 NA		-0.833 NA	NA		0.027	0.066
A011874_01	-0.111	-0.337	0.242	-0.382	0.147	-0.216	0.078	-0.148
A011875_01	-0.193	-0.161	-1.006	-0.571	-0.112	-0.13	-0.352	-0.355
A011877_01	-0.089	-0.182	-0.331	0.178	0.155	0.025	-0.19	-0.382
A011881_01	-0.174	-0.275	0.07	-0.068	0.218	0.011	0.062	0.024
A011885_01	-0.277	-0.177	0.064	-0.325	-0.112	-0.331	-0.117 NA	
A011887_01	-0.48	-0.775	-0.386	0.219	-0.136	-0.334	-0.186	-0.155
A011888_01	-0.361	-0.317	0.059	-0.115	0.041	-0.158	0.22	0.161
A011889_01	-0.592	-0.931	-0.415	-0.716	-0.679	-0.651	0.003	0.093
A011890_01	0.207	0.002	-0.143	0.38	-0.194	0.03	-0.131	-0.082
A011895_01	-0.019	-0.146	0.176	0.116	-0.093	-0.291	0.024	-0.027
A011896_01	-0.649	-0.518	-0.859	-0.969	-0.446	-0.305	-0.566	-0.291
A011901_01	-0.242	-0.273	-0.086	0.312	-0.094	0.003	0.019 NA	
A011903_01	0.04	0.003	0.316	-0.029	-0.008	0.01	0.233	0.065
A011910_01	-0.251	-0.314	-0.237	0.331	-0.135	-0.286	-0.289	-0.221
A011912_01	0.889	0.957	0.332	0.012	0.39	0.809	-0.409	-0.253
A011915_01	-0.085	-0.278	0.321	0.633	-0.155	-0.479	-0.106 NA	
A011921_01	0.318	0.164	-0.229	0	0.141	0.003	-0.134 NA	
A011932_01	0.175	0.157	0.514	0.553	0.691	0.735	-0.587	-0.31
A011935_01	0.37	0.289	-0.23	0.132	0.188	0.174	-0.121	-0.245
A011936_01	0.342	0.192	-0.054	0.172 NA	NA		-0.182	-0.16
A011941_01	-0.295	0.051	0.274	0.518	-0.227	-0.103	-0.259	-0.045
A011942_01	-0.08	0.259	0.367	0.122	0.22	0.299	0.261	0.332
A011946_01	0.091	0.187	0.249	-0.301	-0.091	0.068	0.295	0.381
A011949_01	0.483	0.416	0.039	-0.32	-0.046	-0.083	-0.06	-0.001
A011950_01	-0.205	-0.185	0.381	0.016	0.194	0.044	0.121	0.087
A011957_01	0.529	0.622	0.637	-0.173	0.447	0.502	0.074 NA	
A011963_01	-0.826	-0.891	-0.263	-1.057	-0.333	-0.559	0.479	0.555
A011965_01	-0.184	0.393 NA		0.189	-0.04	0.071	-0.229	0.367
A011966_01	-0.203	-0.229	-0.164	-0.196	0.1	-0.056	0.026	-0.162
A011967_01	0.282	0.236	0.029	0.091	-0.146	0.037	-0.115	-0.09
A011976_01	-0.449	-0.892	-0.59	-0.778	-0.248	-0.504	-0.444	-0.435
A011977_01	0.408	0.259	0.373	0.158	0.304	0.079	-0.162	-0.036
A011978_01	0.251	-0.131	-0.01	0.05	0.13	-0.29	-0.294	-0.344
A011985_01	0.406	0.452	0.132	-0.368	0.202	0.365	0.075	0.055
A011986_01	0.257	0.304	-0.152	0.408	0.009	-0.097	-0.298	-0.26
A011988_01	0.352	0.212	0.332	0.288	0.174	-0.039	0.057	-0.013
A011992_01	-0.158	0.021	-0.057	-0.096	0.06	-0.08	-0.04	-0.049
A011995_01	0.604	0.773	0.293	0.106	0.202	0.657	0.089	0.294
A011996_01	-0.235	-0.18	-0.279	-0.472	0.392	0.284	0.012	-0.082
A012001_01	-0.368	-0.526	0.331	0.277	0.132	0.153	0.241	0.173
A012008_01	-0.1	-0.145	0.364	-0.069	0.028	-0.06	0.013	0.002

A012009_01	-0.115	-0.169	-0.138	0.152	0.098	-0.239	0.079	-0.155
A012010_01	-0.013	0.121	-0.004	-0.207	0.01	0.161	-0.012	0.196
A012011_01	0.382	0.335	0.264	0.229	0.233	0.187	-0.011	-0.103
A012012_01	0.295	0.271	0.056	-0.052	0.416	0.342	0.146	0.053
A012013_01	0.878	0.598	0.226	0.391 NA	NA		0.059	-0.159
A012014_01	0.158	0.041	0.432	-0.036	0.346	0.457	0.046	-0.031
A012021_01	-0.332	-0.247	0.038	-0.051	-0.276	-0.399	-0.1	-0.103
A012028_01	0.306	0.235	0.006	0.539	0.032	-0.125	0.589	0.428
A012030_01	-0.066	-0.125	-0.724	0.071	-0.057	-0.11	-0.204	0.088
A012031_01	0.187	-0.078	0.163	-0.304 NA	NA		0.736	0.419
A012033_01	0.076	-0.069	0.079	-0.668	0.199	-0.134	-0.067	-0.302
A012039_01	0.699	0.411	-0.012	0.517	-0.08	-0.259	-0.128	-0.259
A012043_01	0.409	0.19	0.079	0.567	0.031	-0.088	-0.091	-0.091
A012046_01	-0.047 NA		0.093	-0.053	-0.041	-0.003	0.004	-0.03
A012049_01	-0.603	-0.94	-0.671	-1.267	-0.354	-0.446	-0.938	-0.648
A012050_01	0.05	-0.271	0.027	0.257	-0.016	-0.321	0.002	-0.035
A012060_01	-0.155	-0.276	0.031	0.304	-0.009	-0.059	0.13	-0.131
A012066_01	0.222	0.279	0.095	-0.305	0.139	0.072	-0.042	-0.039
A012068_01	0.195	0.156	-0.318	0.042	-0.105 NA		-0.017 NA	
A012069_01	-0.114	-0.219	-0.279	-0.489	0.222	0.031	-0.01 NA	
A012075_01	0.279	0.162	-0.168	-0.219	-0.001	0.051	0.179	0.064
A012076_01	0.161	0.088	-0.238	-0.351	0.305	0.167	0.346	0.132
A012078_01	-0.025	0.022	-0.02	-0.259	0.127	0.113	0.181	0.05
A012079_01	0.157	0.164	0.02	-0.316	0.188	0.103	-0.022	-0.032
A012080_01	0.145	0.223	0.281	1.174	0.241	0.146	-0.02	-0.013
A012084_01	0.179	0.054	0.262	0.238	0.091	-0.22	-0.229	-0.249
A012085_01	-0.122	-0.316	0.168	-0.681	0.123	-0.06	0.141	-0.123
A012086_01	0.19	0.229	0.113	0.399	0.143	0.268	-0.078	-0.186
A012088_01	-0.314	-0.317	-0.006	0.18	-0.211	-0.337	-0.144	-0.077
A012091_01	-1.959	-2.134	-1.264	-1.603	-0.556	-0.745	-0.386	-0.167
A012092_01	0.352	0.387	0.14	0.24	-0.08	-0.08	-0.104	-0.027
A012093_01	-0.359	-0.452	-0.456	0.161	-0.042	-0.075	-0.445	-0.111
A012098_01	0.067	-0.013	0.546	-0.096	0.413	0.04	0.087	0.006
A012104_01	-0.329	-0.434	-1.283	-0.708	-0.011	-0.2	-0.473	-0.316
A012108_01	0.061	-0.084	-0.384	0.116	-0.031	-0.054	0.006	0.008
A012113_01	-0.89	-0.678	-0.075	-0.553	-0.392	-0.219	-0.188	-0.032
A012115_01	0.07	-0.013	-0.257	0.111	-0.356	-0.499	-0.392	-0.342
A012116_01	-1.27	-1.625	-0.852	-0.92	-1.087	-1.767	-1.082	-1.011
A012117_01	-0.508	-0.458	0.014	0.055	-0.293	-0.315	-0.034	-0.109
A012119_01	-1.027	-1.282	-1.129	-1.229	-0.806	-0.841	-0.654	-0.567
A012120_01	0.193	0.251	0.169	0.169	0.068	0.221	0.308	0.192
A012123_01	-0.103	-0.095	-0.147	-0.123	0.378	0.305	0.37	0.149
A012125_01	0.426	0.231	0.294	0.202 NA		0.205	0.089	-0.069
A012126_01	0.272	0.026	-0.375	-0.298	-0.001	-0.175	-0.154	-0.42
A012127_01	0.38	0.323	0.211	-0.098	0.207	0.3	0.055	0.001
A012129_01	-0.149	-0.216	-0.063	-0.054	0.148	-0.079	0.257	0.077
A012130_01	-0.248	-0.334	-0.37	0.448	-0.158	-0.231	-0.096	-0.066
A012131_01	0.163	0.02	-0.234	0.389	-0.057	-0.12	-0.33	-0.222
A012132_01	0.013	-0.095	0.209 NA		-0.013	-0.308	0.076	-0.247
A012134_01	0.212	0.038	-0.01	-0.379	0.287	0.222	0.222	0.134
A012141_01	0.158	0.097	0.068	-0.341	0.058	-0.087	0.219	0.173
A012144_01	0.19	0.086	-0.184	-0.349	0.177	0.139	-0.006	-0.145
A012145_01	0.355	0.324	0.592	0.246	0.207	0.23	0.239	0.156
A012149_01	0.231	0.203	0.467	0.258	0.126	-0.043	-0.182	-0.122
A012150_01	0.258	0.412	-0.103	0.136	-0.188	-0.214	-0.049	0.006
A012155_01	0.724	0.541	-0.001	0.331	0.033	0.459	0.332	0.122
A012158_01	0.166	0.261	0.163	-0.305	0.071	0.129	0.12	0.089
A012159_01	0.682	0.482	0.841	0.715	0.919	1.058	-0.227	-0.243
A012163_01	-0.966	-1.111	-0.291	-0.121	-0.482	-0.809	-0.218 NA	
A012167_01	-0.162	-0.012	-0.163	0.066	-0.045	-0.245	-0.062	-0.161
A012168_01	-0.104	-0.051	0.007	-0.148	0.209	0.04	-0.09	-0.053
A012171_01	0.037	-0.056	0.107	0.396	0.239	-0.147	-0.25 NA	
A012174_01	0.146	-0.021	-0.012	0.517	0.233	0.185	-0.005	-0.223
A012175_01	-0.329	-0.313	-0.307	-0.058	-0.078	0	-0.234	-0.191
A012176_01	-0.598	-0.485	-0.528	-0.251	-0.121	-0.018	-0.177	-0.165
A012178_01	0.239	0.322	-0.02	-0.571	0.523	0.5	0.013	-0.016
A012184_01	-0.394	-0.169	0.382	0.429	-0.117	-0.22	-0.19	-0.209
A012185_01	0.134	-0.122	0.213	-0.077	0.315	0.152	0.418	0.207

A012186_01	-0.301	-0.197	-0.069	-0.477	0.038	-0.099	-0.005	0.216
A012193_01	-0.058	-0.02	-0.225	0.035	0.181	0	-0.18	-0.115
A012200_01	-0.577	-0.569	-0.284	0.169	-0.468	-0.755	-0.158	-0.006
A012203_01	0.275	0.068	0.229	0.246	0	-0.246	0.038	-0.081
A012207_01	0.381	0.296	0.179	0.011	0.47	0.549	0.408	-0.031
A012210_01	0.223	0.053	-0.041	-0.286	0.211	-0.028	0.075	-0.095
A012213_01	0.036	0.05	-0.075	-0.087	0.016	-0.088	0.045	0.218
A012214_01	-0.333	-0.2	-0.377	-0.354	-0.014	0.114	0.053	0.076
A012215_01	-0.053	-0.183	-0.282	-0.352	0.206	-0.09	0.149	0.039
A012218_01	0.358	0.398	0.321	-0.217	0.444	0.298	0.086	0.111
A012219_01	-0.204	-0.216	-0.348	0.164	-0.108	-0.181	-0.179 NA	
A012221_01	0.399	0.364	0.011	0.355	-0.048	0.028	-0.064	-0.139
A012223_01	0.222	0.34	-0.043	0.099	-0.156 NA		0.033	0.1
A012229_01	0.898	0.929	0.578	0.338	-0.077	0.198	0.155	0.055
A012231_01	0.051 NA	NA	NA		0.014	-0.15	-0.343 NA	
A012234_01	-0.126	-0.148	-0.087	-0.068	0.233	0.056	0.048	-0.077
A012237_01	0.206	-0.073	-0.189	0.44	-0.099	-0.204	-0.421 NA	
A012239_01	-0.127	-0.282	0.068	0.477	-0.213 NA		-0.234	-0.119
A012247_01	0.249	0.271	-0.358	0.258	-0.174	0.053	-0.087	-0.022
A012251_01	-0.592	-0.528	-0.296	0.061	-0.388	-0.775	-0.292	-0.194
A012254_01	0	0.114	0.26	-0.309	-0.163	-0.084	-0.052	0.044
A012256_01	-0.535	-0.373	0.009	-0.033	0.167	0.208	-1.229	-0.899
A012257_01	-2.412	-2.628	-2.845 NA		-2.171	-2.803	-1.384	-1.095
A012259_01	0.464	0.567	0.889	0.813	-0.228	-0.553	0.391	0.484
A012264_01	-0.195	-0.368 NA		-0.088	-0.314	-0.671	-0.242	-0.15
A012272_01	-0.319	0.074	0.074	0.139	-0.105	0.028	-0.123	0.044
A012275_01	-0.616	-0.581	-0.609	-0.723	-0.04	-0.182	-0.007	-0.003
A012276_01	0.113	0.121	0.226	0.031	0.069	-0.067	-0.119	-0.131
A012277_01	0.741	0.813	0.533	0.445	0.649	0.775	-0.089	-0.089
A012283_01	-0.802	-0.445	-0.192	-0.12	0.097	0.017	-0.228 NA	
A012291_01	-0.261	-0.492	-0.054	-0.214	0.209	-0.046	-0.016	-0.214
A012293_01	0.16	0.128	-0.053	0.333	0.136	0.083	-0.406	-0.248
A012294_01	-0.283	-0.244	0.322	0.284	0.269	0.21	-0.048	-0.08
A012295_01	-0.022	-0.123	0.142	-0.086	0.017	-0.168	0.07	-0.102
A012299_01	-0.319	-0.278	0.197	0.082	-0.084	-0.007	0.126	0.126
A012309_01	0.056	0.007	0.052	0.16	-0.17	-0.098	-0.072	-0.083
A012311_01	-0.01	-0.193	-0.124	-0.134	0.085	-0.185	-0.185	-0.078
A012313_01	-0.221	-0.385	0.17	-0.196	0.008	-0.364	0.21	-0.071
A012321_01	0.398 NA		-0.06	-0.531 NA	NA		0.24	0.15
A012323_01	-0.265	-0.276	-0.101	0.069	0.039	-0.088	0.038	-0.038
A012324_01	0.317	0.278	-0.384	-0.031	-0.278	-0.034	-0.597	-0.494
A012325_01	0.579	0.267	-0.118	-0.513	0.037	0.336	0.089	-0.008
A012326_01	-0.218	-0.242	-0.072	0.072	-0.051	-0.057	0.017	-0.095
A012331_01	0.8	0.648	0.638	0.867	0.112	-0.245	0.455	0.482
A012332_01	0.639	0.682	-0.344	-0.17	0.36	0.144	-0.025	-0.206
A012334_01	0.381	0.422	-0.365	0.137	0.052	0.065	-0.049	-0.023
A012336_01	0.536	0.612	1.006	0.707	0.414	0.295	0.003	0.059
A012337_01	0.068	0.043	-0.081	0.299	0.079	0.118	-0.337	0.045
A012340_01	0.032	0.115	-0.29	-0.202	0.066	-0.026	0.174	-0.066
A012341_01	0.015	0.053 NA		-0.214	-0.045	-0.198	0.023	-0.076
A012351_01	0.177	0.058	-0.428	-0.018	0.216	0.082	-0.374	-0.302
A012353_01	0.281	0.272	-0.075	-0.268	0.013	0.083	0.005	-0.04
A012354_01	-0.143	-0.26	-0.104	-0.402	0.04	0.085	0.37	0.272
A012357_01	0.102	0.115	0.263	0.242	0.137	-0.052	-0.103	-0.175
A012360_01	-0.221	-0.379	-0.043	-0.013	0.184	0.133	0.304	0.185
A012364_01	-0.169	0.333	0.357	0.005	-0.121	0.237	-0.239	0.232
A012366_01	0.086 NA		-0.435	0.227	0.074 NA		0.068 NA	
A012367_01	0.048	0.3	0.003	-0.289	0.072	0.116	0.142	0.303
A012369_01	1.544	1.294	1.259	0.943	0.004	-0.089	0.379	0.264
A012370_01	0.001	-0.165	0.16	-0.243	-0.103	-0.099	-0.05	-0.211
A012371_01	0.229	0.435	0.501	0.502	-0.205	0.002	0.059	0.095
A012372_01	0.493	0.356	0.403	0.261	0.477	0.791	0.727	0.431
A012373_01	-0.391	-0.26	0.024	-0.289	-0.255	-0.121	0.097	0.082
A012375_01	-0.04	-0.041	0.04	-0.553	0.081	-0.022	-0.11	-0.017
A012377_01	0.272	0.176	-0.016 NA		0.27	0.174	-0.12 NA	
A012379_01	0.263	0.012	-0.166	-0.293	0.236	0.036	0.047	-0.094
A012381_01	0.233	0.148	0.307	0.234	0.213	0.142	0.261	0.063
A012382_01	0.439	0.16	-0.151	-0.088	0.135	0.15	-0.361	-0.292

A012385_01	0.125	0.264	0.212	0.449	-0.094	-0.086	0.07	-0.082
A012386_01	-0.474	-0.674	-0.511	-0.57	0.121	-0.124	0.314	0.226
A012388_01	-0.199	-0.216	-0.156	-0.232	-0.364	-0.33	-0.193	-0.086
A012390_01	-0.342	-0.362	-0.222	0.015	-0.097	-0.479	-0.278	-0.117
A012393_01	-0.022	0.073	-0.131	0.079	-0.079	-0.097	-0.044	0.142
A012396_01	0.833	0.656	0.492	0.497	0.675	0.575	0.134	0.053
A012397_01	0.879	0.859	-0.23	-0.776	0.24	0.582	0.069	0.109
A012398_01	-0.541	-0.443	-0.109	-0.474	-0.217	-0.349	-0.307	-0.154
A012400_01	0.426	0.262	0.392	-0.05	0.021	0.096	0.305	0.224
A012402_01	-0.009	-0.007	0.236	-0.241	0.022	0.074	0.084	0.083
A012404_01	0.562	0.142	0.124	-0.676 NA		0.063	0.124	-0.012
A012407_01	-0.405	-0.246	-0.208	-0.18	-0.083	-0.103	0.181	0.005
A012410_01	0.573	0.39	0.03	0.354	-0.009	0.293	-0.163	-0.139
A012415_01	-1.544	-2.118 NA		-2.063	-0.947	-1.606	-0.896	-0.637
A012421_01	0.054	-0.223	0.038	-0.221	0.183	0.199	-0.094	-0.158
A012422_01	0.469	0.751	0.495	-0.179	-0.109	0.305	0.023	0.241
A012423_01	0.156	-0.031	-0.019	-0.394	0.326	0.178	0.145	-0.064
A012425_01	0.104	0.012	-0.527	-0.686	0.071	-0.075	-0.199	-0.389
A012428_01	-0.374	-0.375	-0.08	0.359	-0.137	-0.234	-0.158	-0.208
A012429_01	-0.026	-0.189	0.038	1.074	-1.378	-2.243	-1.297	-1.077
A012430_01	0.553	0.965	0.694	0.311	0.867	1.191	0.019	0.144
A012440_01	-0.166	-0.38	-0.418	-0.291 NA	NA		-0.222	-0.264
A012442_01	-1.008	-1.156	-0.012	-0.195	-0.739	-0.698	0.139	0.179
A012445_01	-0.12	-0.142	0.028	0.065	0.131	0.292	-0.069	-0.079
A012449_01	0.764	0.715	-0.005	-0.023	-0.026	0.256	0.073	0.159
A012451_01	0.034	-0.142	0.037	-0.066	0.269	-0.155	0.104	-0.107
A012454_01	0.201	0.152	0.285	0.577	-0.16	-0.534	-0.086	-0.239
A012458_01	-0.813	-0.72	0.029	-0.181	-0.4	-0.482	-0.38	-0.079
A012460_01	0.27	-0.001	0.021	0.213	0.031	-0.119	0.246	0.014
A012464_01	-0.197	-0.332	-0.028	-0.218	-0.194	-0.431	0.085	0.106
A012466_01	0.446	0.297	0.163	-0.074	0.248 NA		0.208	0.047
A012467_01	-1.135	-1.676	-1.851	-1.871	-0.75	-0.999	-0.818	-0.676
A012468_01	-0.325	-0.419	0.002	-0.288	-0.255	-0.32	0.276	0.203
A012469_01	-0.062	-0.005	-0.181	-0.128	0.196	-0.132	0.211	-0.021
A012473_01	-0.069 NA		0.111	-0.056	-0.004 NA		-0.03	0.079
A012479_01	0.137	0.238	-0.53	0.184	0.227	0.064	-0.247 NA	
A012482_01	-0.108	-0.076	0.073	0.3	-0.111	-0.139	-0.421	-0.187
A012487_01	-0.634	-0.907	-0.195	-0.36	-0.459	-0.861	-0.044	-0.035
A012493_01	0.015	0.279	0.432	0.354	-0.021	-0.195	-0.341	-0.201
A012499_01	0.14	-0.091	0.063	0.046	0.125	-0.107	0.072	-0.163
A012501_01	0.17	-0.045	0.013	-0.033	0.052	0.012	0.206	0.058
A012502_01	-0.052	-0.016	0.067	-0.02	0.232	0.173	-0.068	-0.127
A012504_01	-0.348	-0.376	0.062	-0.3	0.023	-0.265	-0.033 NA	
A012513_01	-0.141	-0.176	-0.556	-0.099	-0.075	-0.012	-0.194	-0.155
A012518_01	-0.485	-0.204	-0.356	-0.619	-0.138	-0.005	-0.113	-0.165
A012526_01	-0.474	-0.385	-0.461	-0.389	0.046	-0.279	-0.106 NA	
A012527_01	0.517	0.277	0.111	0.134	0.072 NA		-0.15	-0.173
A012532_01	0.186	0.388	0.165	-0.037	-0.163	0.125	0.059	0.053
A012533_01	0.196	0.133	-0.14	-0.237	0.363	0.153	-0.049	-0.122
A012537_01	0.246	0.195	0.111	-0.1	-0.097	-0.077	-0.147	-0.039
A012543_01	-0.517	-0.486	-0.446	-0.297	-0.122	-0.332	-0.629 NA	
A012557_01	0.291	0.171	-0.064	-0.456	0.168	0.295	-0.024 NA	
A012562_01	-0.57	-0.648	-0.06	0.285	0.075	-0.046	-0.271 NA	
A012563_01	-0.371	-0.201	-0.209	-0.502	-0.028	-0.356	-0.035	0.229
A012565_01	-0.386	-0.208	0.146	-0.104	0.162	0.063	-0.06	0.061
A012566_01	-0.057	-0.074	0.067	0.116	0.005	-0.117	-0.008	0.059
A012567_01	0.094	0.023	-0.06	-0.253	0.178	0.177	0.117	0.087
A012572_01	-0.085	0.128	-0.214	-0.59	-0.194	0.056	-0.328	-0.034
A012577_01	-0.494	-0.573 NA	NA		-0.378	-0.542	-0.407	-0.196
A012578_01	0.102	0.005	0.252	0.385	-0.477	-0.569	-0.122	-0.018
A012579_01	-0.845 NA		-0.407	-0.6	-0.095 NA		0.291	0.256
A012580_01	-0.037	0.172	-0.056	0.094	-0.02	-0.043	-0.222	0.23
A012581_01	0.565	0.413	-0.013	0.702	-0.436	-0.744	-1.152 NA	
A012585_01	0.431	0.307	0.656	0.548	0.81	0.595	-0.018	0.02
A012587_01	-0.362	-0.302	-0.718	0.104	-0.067	-0.305	-0.234	-0.238
A012590_01	0.189	0.118	-0.072	0.171	-0.051	0.043	-0.255	-0.085
A012591_01	-0.363	-0.149	0.283	0.456	-0.05 NA		-0.045	-0.03
A012594_01	-0.225	-0.245 NA		0.153	-0.033	-0.231	-0.05	-0.168

A012595_01	-0.762	-0.815	NA	-0.198	-0.097	-0.234	-0.524	NA
A012597_01	-0.371	-0.109	0.147	-0.072	-0.185	-0.057	-0.22	-0.138
A012604_01	0.184	0.07	0.151	0.423	-0.038	-0.233	0.11	-0.053
A012607_01	-0.482	-0.679	-0.285	-0.632	-0.36	-0.679	0.162	0.065
A012618_01	-0.269	-0.473	-0.057	-0.001	0.052	-0.007	-0.111	-0.185
A012621_01	-0.444	-0.722	0.071	-0.195	-0.31	-0.646	-0.027	-0.291
A012623_01	-0.111	-0.03	0.135	-0.185	-0.07	-0.023	-0.046	-0.017
A012625_01	-0.076	-0.099	-0.233	0.117	-0.098	-0.097	-0.09	0.019
A012626_01	-0.848	-0.991	-1.02	-0.814	-0.13	-0.342	-0.267	-0.148
A012627_01	-0.076	-0.405	-0.033	-0.255	0.211	-0.035	0.044	-0.084
A012628_01	-1.032	NA	NA	NA	-0.83	NA	NA	NA
A012631_01	0.087	0.028	NA	0.3	0.057	NA	-0.609	-0.452
A012633_01	0.563	0.439	0.068	0.143	0.438	0.351	0.24	0.078
A012637_01	-0.404	-0.361	0.237	0.103	-0.047	-0.025	0.016	0.162
A012640_01	0.095	0.214	-0.191	NA	-0.106	NA	NA	NA
A012641_01	0.061	0.143	0.373	0.164	-0.032	-0.228	0.119	0.055
A012646_01	-0.106	0.059	0.231	-0.09	0.028	0.206	0.676	0.683
A012647_01	0.332	NA	0.587	0.321	NA	NA	0.426	0.329
A012648_01	-0.452	-0.326	-0.565	-0.24	-0.232	-0.25	-0.207	0.005
A012649_01	-0.602	-0.592	0.366	0.154	-0.192	-0.353	0.34	0.294
A012650_01	0.187	-0.187	0.16	0.116	0.101	0.136	-0.031	0.102
A012651_01	-0.088	-0.083	-0.367	-0.526	-0.322	-0.18	-0.157	-0.111
A012653_01	-0.119	-0.206	-0.376	-0.354	0.014	-0.037	0.071	-0.047
A012654_01	0.234	0.055	-0.025	-0.039	-0.123	-0.565	-0.173	-0.125
A012655_01	-0.017	0.155	0.346	0.174	0.479	0.673	0.199	0.277
A012657_01	-0.253	-0.451	-0.547	0.2	-0.03	-0.239	-0.271	NA
A012660_01	0.007	-0.034	-0.066	0.5	-0.214	NA	-0.121	-0.047
A012664_01	-0.06	-0.089	-0.345	0.069	-0.192	-0.105	-0.069	0.03
A012665_01	-0.125	-0.271	-0.459	-0.207	0.14	NA	-0.17	-0.311
A012672_01	-0.525	-0.421	-0.433	-0.474	-0.251	-0.038	-0.091	0.08
A012678_01	-2.229	-2.755	-2.73	-2.764	-1.523	-1.863	-1.408	-1.093
A012680_01	0.594	0.598	0.332	0.414	NA	NA	0.119	0.147
A012685_01	-0.41	-0.446	-0.213	-0.083	0.14	0.125	0.173	0.043
A012694_01	0.373	0.312	-0.025	-0.567	0.197	0.299	-0.22	-0.186
A012695_01	-0.024	-0.126	-0.026	0.055	0.323	0.336	0.303	0.064
A012696_01	0.562	0.462	0.171	0.621	0.282	0.153	-0.235	-0.108
A012697_01	0.006	0.005	-0.264	0.079	0.088	0.093	-0.082	-0.06
A012700_01	0.226	0.091	0.131	0.274	-0.084	-0.532	0.121	0.073
A012704_01	0.248	0.161	-0.012	-0.305	0.286	0.393	-0.03	-0.052
A012705_01	0.406	0.433	0.004	0.044	0.238	0.226	-0.053	-0.076
A012706_01	-0.071	-0.185	0.076	0.085	0.211	-0.214	0.04	-0.08
A012707_01	0.36	0.09	-0.428	-0.201	0.047	-0.143	-0.446	-0.386
A012710_01	0.12	0.225	0.206	0.481	0.127	0.156	-0.143	-0.048
A012712_01	0.779	0.82	0.199	-0.514	-0.071	NA	-0.197	-0.207
A012714_01	0.006	-0.189	0.195	0.121	0.101	0.315	0.11	0.173
A012715_01	-0.206	NA	0.035	0.102	0.069	NA	0.268	0.114
A012722_01	0.023	-0.417	-0.141	-0.336	0.051	-0.421	-0.191	-0.274
A012723_01	0.297	-0.141	-0.048	-0.118	0.114	-0.071	-0.02	-0.037
A012724_01	-0.364	-0.963	-0.402	-0.432	0.014	-0.455	0.229	NA
A012726_01	0.237	0.029	0.278	-0.049	0.172	-0.063	0.216	0.012
A012728_01	0.007	-0.072	-0.004	0.029	0.196	0.294	0.083	0.038
A012730_01	0.355	0.533	0.378	-0.026	0.212	0.341	0.496	0.489
A012732_01	-0.235	-0.05	0.053	0.004	-0.029	0.095	-0.438	-0.23
A012738_01	0.159	0.183	0.168	-0.406	0.254	0.141	0.154	0.132
A012739_01	0.972	1.188	0.46	-0.174	0.194	0.389	0.111	0.12
A012741_01	-0.53	-0.438	0.17	-0.452	0.167	0.064	-0.027	-0.053
A012745_01	0.168	0.13	-0.121	-0.453	0.14	0.057	-0.075	-0.035
A012747_01	0.769	0.807	0.107	0.184	0.425	0.736	0.056	-0.013
A012748_01	1.002	0.941	1.384	1.839	1.155	1.151	0.314	0.25
A012749_01	-0.649	-0.583	-0.368	-0.333	-0.204	-0.33	0.017	-0.075
A012752_01	-0.716	-0.6	-0.369	-0.176	-0.449	-0.696	-0.145	-0.021
A012754_01	0.554	0.58	0.191	-0.692	0.351	0.681	0.141	0.123
A012758_01	-0.054	0.056	0.09	-0.719	0.225	0.08	0.115	0.062
A012760_01	0.083	0.149	0.327	0.151	-0.155	-0.115	0.155	0.201
A012762_01	-0.452	-0.532	0.141	0.182	-0.196	NA	-0.034	-0.002
A012767_01	-0.075	-0.097	NA	-0.186	0.246	0.122	-0.061	0.065
A012768_01	-0.086	-0.13	0	0.112	-0.045	-0.185	-0.016	-0.07
A012769_01	0.16	0.359	0.859	0.331	0.42	0.309	0.55	0.576

A012770_01	0.02 NA		-0.133	-0.653	0.072 NA		0.581	0.499
A012771_01	0.092	0.032	0.492	0.087	0.287	0.238	-0.032	-0.052
A012772_01	-0.105	0.088	0.283	-0.453	0.048	0.056	0.254	0.258
A012773_01	-0.217	-0.071	0.461	0.539	0.016	-0.128	0.323	0.316
A012776_01	-0.345	-0.44	0.405	0.443	-0.093	-0.375	0.187	0.17
A012778_01	-1.118	-1.425	-0.427	-0.838	-1.065	-1.486	0.038	-0.077
A012781_01	-0.306	-0.185	-0.134	-0.062	-0.143	-0.057	0.05	0.152
A012787_01	0.192	0.088	-0.172	-0.078	0.162	0.203	0.128	-0.054
A012788_01	0.373	0.091	-0.251	-0.359	0.248	0.013	-0.101	-0.205
A012791_01	0.448	0.307	-0.105	-0.623	0.387	0.435	0.007	-0.145
A012796_01	0.258	0.189	0.249	0.339	-0.242	-0.223	-0.196	-0.167
A012797_01	-0.67	-0.741	-1.007	-0.607	-0.126	-0.087	-0.176	-0.2
A012800_01	0.448	0.267	0.061	0.094	0.179	0.072	-0.239	-0.258
A012807_01	0.485	0.405	0.221	0.247	0.267	0.262	-0.2	-0.191
A012810_01	-1.947	-2.278	-1.735	-1.179	-1.544	-1.516	-0.408	-0.329
A012811_01	-0.535	-0.725	-0.379	-0.822	-0.204	-0.47	-0.192	-0.254
A012812_01	0.518	0.602	0.923	1.028	0.933	1.031	-0.721 NA	
A012813_01	0.547	0.783	0.782	0.385	-0.943	-0.616	0.173	0.307
A012816_01	0.794	0.86	0.253	0.258	0.217	0.207	0.111 NA	
A012817_01	0.011	0.017	-0.184	-0.21	0.082	0.048	-0.121	-0.174
A012818_01	0.413	0.371	0.345	0.16	0.035	0.343	0.318	0.223
A012822_01	0.451	0.329	-0.258	-0.633	0.287	0.126	0.12	-0.091
A012823_01	0.568	0.528	0.375	-0.307	0.406	0.617	0.119	-0.071
A012826_01	-0.551	-0.309	0.364	-0.25	-0.087	0.005	-0.085	0.2
A012828_01	0.014	-0.006	0.035	0.352	0.01	0.144	-0.049	0.07
A012829_01	0.076	0.133	-0.178	0.02	0.034	0.018	0.014	-0.044
A012830_01	0.541	0.254	-0.379	-0.591	0.305	0.433	0.069	0.027
A012832_01	0.584	0.459	0.334	-0.048	0.241	0.42	-0.004	0.065
A012834_01	0.58 NA		-0.178	0.067	0.043 NA		0.077	-0.007
A012835_01	-0.108	0	-0.206	-0.626	0.171	0.256	-0.269	-0.116
A012837_01	0.431	0.3	0.324	0.639	0.327	0.073	-0.04	-0.053
A012838_01	0.525	0.393	-0.363	-0.208	0.013	0.273	-0.197	-0.095
A012839_01	-0.711	-0.894	-1.252	-1.589	-0.186	-0.261	-1.471	-1.161
A012841_01	0.187 NA		-0.062	-0.357	0.375 NA		0.12	0.128
A012844_01	0.382	0.409	-0.133	0.019	-0.309	-0.039	-0.163	-0.054
A012846_01	0.226	0.305	0.101	-0.12	0.055	0.146	0.097	-0.146
A012847_01	-0.427	-0.431	-0.161	-0.293	-0.019	0.094	0.26	0.262
A012849_01	0.577	0.427	0.104	-0.074	0.375	0.543	0.163	0.15
A012854_01	-0.03	0.073	0.199	0.368	0.018	-0.211	0.072	0.127
A012858_01	-0.11	-0.188	-0.372	0.3	0.12	-0.015	-0.124	-0.091
A012860_01	-0.426	-0.633	-0.202	-0.449	-0.038	0.055	0.143	0.122
A012862_01	0.173	0.16	0.082	0.088	0.13	-0.144	-0.11	-0.194
A012865_01	-1.024	-1.391	-1.063	-1.251	-0.056	-0.084	-0.341	-0.178
A012872_01	-3.239	-3.258	-1.822	-1.761	-2.298	-2.565	-1.31	-0.842
A012878_01	0.247	0.127	0.249	0.227	0.076	0.217	-0.008 NA	
A012880_01	-0.738	-0.393	0.886	1.377	0.829	1.531	1.192	1.086
A012881_01	-0.426	-0.188	0.183	0.049	-0.138	-0.154	-0.075	0.094
A012883_01	0.64	0.664	0.375	0.429	0.119	0.223	0.029	0.13
A012885_01	-0.397	-0.522	-0.444	-0.203	0.049	-0.224	-0.108	-0.084
A012887_01	0.355	0.613	0.25	0.617	-0.021	-0.032	-0.265	-0.186
A012888_01	-0.434	-0.984	-1.019	-1.146	-0.284	-0.531	-0.656	-0.698
A012889_01	1.077	1.036	1.4	1.431	0.449	0.333	0.152	-0.044
A012890_01	-0.971	-0.636	-0.641	-0.23	-0.394	-0.151	-0.644 NA	
A012893_01	-2.811	-2.808	-3.709	-4.031	-1.976	-2.932	-2.932	-2.24
A012895_01	0.351	0.25	0.014	-0.673	0.239	0.394	-0.173	-0.169
A012896_01	0.441	0.251	0.282	0.26	0.129	0.131	0.19	-0.005
A012897_01	-0.857	-0.75	-0.525	0.02	-0.538	-0.745	-0.328	-0.136
A012899_01	0.477	0.388	-0.049	0.466	-0.092	-0.147	-0.205	-0.143
A012907_01	0.474	0.3	0.258	0.252	0.158 NA		0.08 NA	
A012913_01	-0.111	-0.29	-0.527	-0.084	-0.242	-0.361	-0.265	-0.198
A012917_01	0.323	0.449	-0.04	-0.332	0.277	0.278	0.055	0.016
A012919_01	0.297	0.012	-0.26	-0.785	0.064	0.071	0.038	-0.042
A012921_01	-0.109	-0.29	-0.126	-0.413	0.02	-0.116	0.059	-0.14
A012930_01	0.213	0.167	-0.122	-0.183	0.262	0.312	-0.027	-0.203
A012932_01	0.047	0.058	0.088	0.142	0.355	0.375	-0.087	-0.17
A012934_01	-0.465	-0.442	0.029	-0.605	0.009	0.012	0.013	0.065
A012936_01	-0.162	-0.149 NA		0	0.012	-0.02	-0.088 NA	
A012937_01	0.183	0.011	0.192	-0.518	0.134	0.037	0.299	0.132

A012940_01	-1.32	-1.01	-0.327	-0.428	-0.353	-0.378	0.005	0.049
A012944_01	0.083	0.277	0.429	-0.438	0.227	0.309	0.006	0.094
A012946_01	0.403	0.403	-0.189	-0.198	0.169	0.387	0.018	0.106
A012951_01	0.163	0.078	-0.2	-0.422	0.214	0.043	-0.047	-0.022
A012958_01	-0.206	-0.225	-0.136	-0.532	-0.167	-0.172	0.075	0.04
A012959_01	-0.132	-0.326	-0.413	-0.401	-0.019	0.076	-0.194	-0.167
A012960_01	0.032	0.093	-0.063	0.436	0.082	-0.057	-0.183	-0.053
A012964_01	0.104	0.207	0.104	-0.456	0.202	0.203	0.333	0.386
A012966_01	-0.876	-0.935	-0.229	-0.366	-0.704	-0.796	-0.077	0.024
A012972_01	-0.251	-0.349	-0.104	0.217	0.184 NA		0.033	0.16
A012977_01	0.277	0.528	0.196	0.466	-0.216	-0.255	-0.199	-0.176
A012978_01	-0.752	-0.729	0.066	0.123	-0.889	-0.927	-0.119	0.177
A012982_01	0.105	0.341	0.693	0.533	0.329	0.453	0.169	0.345
A012986_01	-1.88	-1.941	-1.958	-1.941	-0.794	-1.205	-0.905	-0.872
A012989_01	-0.041	0.053	-0.326	-0.394	0.001	-0.031	-0.049	-0.082
A012995_01	0.589	0.48	-0.187	-0.497	0.196	0.534	-0.02	-0.163
A013000_01	0.277	0.087	-0.334	-0.594	0.156	0.367	-0.194	-0.078
A013003_01	0.663	0.831	0.925	0.85	0.421	0.582	1.084	0.815
A013004_01	-0.729	-0.899	-0.426	-0.061	-0.091	-0.259	-0.432	-0.354
A013011_01	-0.987	-0.937	-0.223	-0.486	0.056	-0.081	0.123	0.077
A013012_01	-0.074	-0.278	0.027	0.252	-0.554	-0.895	0.174	0.149
A013018_01	0.244	0.279	-0.031	-0.246	0.015	0.133	0.047	-0.11
A013019_01	-0.113	-0.111	0.003	-0.267	0.01	0.116	0.434	0.324
A013022_01	0.189	0.17	0.256	0.346	0.087	-0.027	-0.12	-0.11
A013026_01	-0.17	-0.095	0.099	0.104	0.135	0.141	0.028	-0.041
A013029_01	-0.007	0.434	0.496	-0.035	-0.084	0.277	-0.092	0.275
A013032_01	0.021	0.236	0.202	-0.14	0.171	0.138	0.077	0.309
A013034_01	1.45	1.374	1.336	0.921	0.007	0.053	0.431	0.148
A013035_01	-0.049	-0.151	0.117	-0.274	0.037	-0.123	-0.077	-0.199
A013036_01	0.247	0.393	0.304	0.292	-0.231	0.051	0	0.169
A013038_01	-0.619 NA		0.189 NA		-0.325 NA		-0.155	0.413
A013040_01	-0.018	0.085	0.077	-0.265	-0.083	0.092	-0.05	-0.035
A013044_01	0.195	0.171	-0.151	-0.106	0.29	0.104	0.035	-0.015
A013046_01	0.217	0.149	0.403	0.351	0.114	0.101	0.2	0.148
A013047_01	0.326	0.11	-0.028	-0.007	0.05	0.213	-0.259	-0.284
A013050_01	-0.013	-0.236	0.051	-0.027	0.248	0.17	-0.047	-0.148
A013051_01	-0.657	-0.656	-0.642	-0.605	0.238	-0.136	0.326	0.172
A013053_01	-0.105	-0.146	-0.078	-0.101	-0.158	-0.319	-0.201	-0.067
A013055_01	-0.309	-0.306	-0.421	-0.109	-0.28	-0.475	-0.297 NA	
A013058_01	0.069	0.094	-0.24	0.015	-0.11	-0.003	0.04	0.106
A013062_01	0.954	0.932	0.206	0.043	0.423	0.816	0.053 NA	
A013063_01	-0.473	-0.464	-0.082	-0.29	-0.275	-0.332	-0.505	-0.141
A013065_01	0.312	0.243	0.28	0.014	0.042	0.13	0.306	0.248
A013067_01	0.01	0.029	0.268 NA		0.044	0.018	0.031 NA	
A013073_01	0.671	0.664	0.404	0.436	0.573	0.733	0.131	0.12
A013074_01	0.686	0.72	-0.144	-0.727	0.114	0.574	0.118	-0.008
A013075_01	0.493	0.366	-0.026	0.333	0.132 NA		-0.146	-0.125
A013086_01	0.408	0.335	0.159	0.675	0.073	0.006	0.019	-0.024
A013087_01	0.599	0.64	0.428	-0.067	-0.082	0.257	0.09	0.207
A013088_01	0.123	0.068	-0.021	-0.591	0.312	0.245	0.135	-0.005
A013090_01	0.043	0.08	-0.56	-0.704	0.015	-0.114	-0.241	-0.112
A013093_01	-0.372	-0.487	-0.046	0.411	-0.195	-0.298	-0.196	-0.257
A013095_01	0.434	0.879	0.661	0.368	0.9	1.276	0.036	0.16
A013098_01	-0.633	-0.312	-0.016	-0.246	-0.158	-0.184	0.147	0.084
A013105_01	-0.265	-0.363	-0.533	-0.353 NA	NA		-0.148	-0.25
A013107_01	-0.92	-1.093	0.049	-0.218	-0.662	-0.723	0.219	0.069
A013109_01	-0.115	-0.273	-0.01	-0.044	0.255	0.228	0.339	0.251
A013111_01	0.137	0.205	-0.003	-0.311	0.099	0.212	-0.094	0.116
A013112_01	0.221	0.376	-0.045	0.023	0.193	0.121	-0.142	0.132
A013118_01	0.046	0.194	-0.043	-0.108	0.017	0.139	-0.045	-0.068
A013119_01	0.606	0.4	0.051	-0.057	-0.232	0.058	-0.022	-0.075
A013129_01	1.229	0.796	0.693	-0.056	0.335	0.627	0.191	0.108
A013130_01	0.151	0.018	-0.037	-0.204 NA		-0.075	0.068	-0.094
A013142_01	-0.696	-0.705	-0.489	-0.728	-0.038	-0.088	-0.293	-0.266
A013143_01	0.679	0.611	0.445	-0.061	0.167	0.203	0.191	0.018
A013154_01	0.225	0.03	0.014	-0.077	0.116	0.038	0.086	-0.105
A013156_01	0.42	0.144	0.245	0.146	0.25	0.199	0.421	0.252
A013164_01	0.195	0.134	-0.471	0.168	-0.169	-0.047	-0.293	-0.172

A013188_01	0.269	0.376	0.767	1.122	0.315	0.421	0.779	0.969
A013192_01	0.376	-0.001	0.051	-0.335	0.213	0.022	0.12	0.099
A013196_01	0.078	0.317	-0.208	-0.033	-0.057	-0.023	-0.22	-0.155
A013212_01	-0.563	-0.645	-0.21	-0.949	-0.156	0.067	-0.154	-0.013
A013215_01	0.632	0.458	0.347	0.093	0.228	0.66	0.34	0.37
A013219_01	-0.266	-0.157	-0.101	-0.059	0.11	0.037	0.026	0.057
A013223_01	0.365	0.338	0.153	-0.177	0.165	0.367	0.135	0.345
A013227_01	-0.281	-0.332	-0.145	-0.077	0.101	0.015	-0.044	-0.13
A013238_01	-2.496	-2.728	-3.592	-3.964	-2.355	-2.821	-2.712	-1.924
A013240_01	0.659	0.561	0.646	0.493	0.202	0.227	0.14	0.134
A013244_01	-0.183	-0.225	-0.047	0.249	-0.031	-0.188	-0.143	-0.184
A013246_01	-0.002	-0.321	-0.201	0.326	0.101	-0.343	-0.259 NA	
A013249_01	-0.225	-0.2	-0.332	-0.033	-0.078	-0.02 NA		-0.129
A013260_01	-0.29	-0.558	-0.278	-0.041	0.077	-0.083	0.012	-0.086
A013266_01	0.118	0.168	0.073	-0.345	0.042	0.175	0.163	0.086
A013268_01	-0.332	-0.278	0.142	-0.17	0.057	-0.028	0.379	0.283
A013270_01	-0.047	-0.027	-0.084	-0.12	0.207	0.257	0.02	-0.06
A013277_01	0.192	0.296	-0.173	-0.411	-0.035	0.447	0.198	0.195
A013278_01	0.034	-0.046	-0.178	-0.161	0.009	-0.082	-0.127	-0.175
A013281_01	0.343	0.243	-0.155	0.064	-0.054 NA		-0.033	-0.112
A013282_01	0.425	0.205	0.298	-0.297	0.16	0.091	0.334	0.08
A013287_01	0.236	0.293	-0.072	-0.483	0.285	0.286	0.067	0.028
A013299_01	0.11	0.05	0.114	0.021	-0.011	-0.122	0.034	-0.116
A013356_01	-0.363	-0.134	0.148	0.231	-0.12	-0.2	-0.041	0.07
A013397_01	0.513	0.682	0.635	0.254	0.357	0.415	0.069	0.284
A013402_01	-0.043	-0.083	-0.595	-0.758	0.261	0.086	0.283	0.094
A013406_01	0.501	0.528	0.789	0.189	0.295 NA		0.583 NA	
A013408_01	-0.118	-0.11	-0.29	0.005	-0.105	-0.176	-0.134	-0.13
A013412_01	0.403	0.332	-0.374	0.08	-0.073	-0.132	-0.189	-0.541
A013413_01	-0.741	-1.051	-0.97	-1.422	0.444	0.162	0.184	-0.04
A013414_01	0.595	0.264	0.256	0.222	0.277	0.232	0.146	-0.065
A013416_01	-0.252	-0.089	-0.381	-0.516	-0.042	-0.17	0.131	-0.024
A013417_01	1.28	1.229	0.849	0.949	0.686	1.076	0.361	0.354
A013419_01	-0.146	-0.019	0.07	-0.165	0.097	0.157	0.222	0.35
A013420_01	-0.352	-0.502 NA	NA		-0.032	-0.339	-0.271	-0.428
A013421_01	-0.031	0.004	-0.526	-0.335	0.054	0.084	-0.182	-0.223
A013423_01	-0.231	-0.218	-0.125	0.241	0.155	-0.147	-0.09	-0.092
A013428_01	0.05	0.048	-0.366	-0.39	0.282	0.072	-0.033	-0.163
A013429_01	1.049	1.057	0.957	0.158	0.476	0.617	0.653	0.506
A013435_01	-0.661	-0.866	0.037	-0.088	0.524	0.517	0.451	0.246
A013440_01	0.377	0.168	0.538	0.207	0.057	-0.021	0.188	-0.107
A013447_01	-0.94	-1.413 NA	NA		-0.107	-0.577	0.131 NA	
A013461_01	-0.232	-0.238	-0.151	-0.078	-0.103	-0.329	-0.262	-0.065
A013462_01	0.105	-0.042	0.088	-0.355	0.04	0.021	0.014	-0.019
A013463_01	-0.504	-0.582	-0.422	-0.036	-0.237	-0.231	-0.344	-0.353
A013467_01	-0.565	-0.453	-0.391	-0.123	-0.651	-0.713	0.241	0.133
A013468_01	-0.178	-0.257	-0.405	-0.697	0.027	0.181	-0.16	-0.112
A013469_01	0.216	0.146	0.075	-0.456	0.229	0.074	0.207	0.09
A013470_01	-0.359	-0.311	-0.544	-0.684	0.068	-0.085	-0.093	-0.175
A013475_01	-0.085	-0.436	-0.383	-0.025	-0.079	-0.518	-0.493	-0.656
A013477_01	0.112 NA		-0.104	-0.108	0.075 NA		-0.083 NA	
A013479_01	-0.243 NA		0.088	-0.096	0.063 NA		-0.011	-0.018
A013487_01	0.181	0.073	-0.028	-0.007	0.198	0.099	-0.115	-0.061
A013488_01	0.48	0.278	0.329	-0.195	-0.044	-0.234	0.313	0.072
A013490_01	-0.119	-0.028	0.075	-0.402	0.147	0.119	0.143	-0.014
A013498_01	0.414	0.355	-0.225	0.604	0.14	-0.018	-0.228	-0.304
A013503_01	-0.146	-0.38	-0.364	0.346	0.033	-0.113	-0.24	-0.273
A013510_01	-0.332	-0.588 NA		-0.887	-0.139	-0.395	-0.287	-0.326
A013518_01	0.287	0.167	0.416	-0.204	0.077	0.125	0.379	0.225
A013519_01	-0.84	-0.478	0.207	-0.036	-0.014	0.071	0.497	0.828
A013520_01	0.164	-0.193	0.39	0.273 NA		0.036	0.389	0.041
A013522_01	0.189	0.278	0.147	-0.073	-0.176	-0.197	-0.22	-0.085
A013534_01	0.082	0.068	0.328	-0.101	0.032	-0.047	-0.045	-0.029
A013535_01	-2.248	-2.128	-0.429	-0.553	-0.513	-0.361	-0.27	0.163
A013537_01	0.461	0.412	0.693	0.699	0.106	0.679	0.245	0.162
A013547_01	0.07	-0.017	-0.025	-0.005	0.28	0.167	0.058	-0.089
A013548_01	0.185	0.111	0.155	0.454	0.2	0.087	-0.024 NA	
A013554_01	-1.475	-1.416	0.055	0.452	-1.659	-1.861	0.379	0.509

A013555_01	-1.363	-1.33	0.244	0.011	-1.309	-1.631	0.766	0.491
A013559_01	-1.37	-1.678	-1.17	-1.321	-0.853	-1.153	-0.71	-0.614
A013560_01	-0.26	-0.591	-0.879	-0.949	0.03	-0.06	-0.294	-0.233
A013561_01	-0.14	-0.354	0.048	0.057	-0.41	-0.629	0.148 NA	
A013562_01	0.08	0.373	0.058 NA		0.744	0.755	0.486	0.43
A013564_01	-0.513	-0.607	-0.035	0.308	-0.091	-0.398	0.041	0.072
A013571_01	-0.293	-0.441	0.146	-0.101	-0.036	-0.315	-0.024	-0.297
A013572_01	-0.585	-0.703	-0.313	0.188	-0.174	-0.408	-0.293	-0.272
A013574_01	0.005	0.065	0.01	0.003	0.046	0.055	0.003	-0.117
A013577_01	0.027	0.078	0.079	0.139	0.082	0.106	-0.029	0.028
A013579_01	0.395	0.328	0.054	0.43	0.194	0.158	-0.261	-0.148
A013586_01	-0.532	-0.565	-0.43	-0.223	0.176 NA		-0.095 NA	
A013590_01	-0.166	-0.12	-0.012	-0.068	0.129	-0.103	0.053 NA	
A013591_01	-0.142	-0.197	0.059	-0.221	0.138	-0.192	0.224	-0.071
A013604_01	-0.18	-0.512	-0.292	-0.042	0.103	-0.076	0.129	-0.05
A013605_01	-0.383	-0.483	-0.376	0.112	0.014	-0.115	0.123	0.076
A013606_01	-0.149	-0.149	0.146	0.2	-0.19	-0.317	-0.008	0.034
A013614_01	0.163	-0.182	0.505	0.447	0.054	-0.244	-0.309 NA	
A013616_01	0.352	0.354	-0.11	-0.169	0.15	0.087	-0.103	-0.17
A013617_01	0.356	0.251	0.061	0.035	0.169	-0.054	-0.2	-0.321
A013618_01	-1.574	-2.014	0.103	0.652	-0.834	-1.4	0.346	0.231
A013619_01	0.233	-0.092	-0.118	0.035	0.215	0.176	0.04	-0.068
A013622_01	0.399	0.358	0.106	-0.057	0.199	0.141	-0.096	-0.132
A013625_01	0.011	-0.136	0.069	-0.099	0.053	-0.118	0.078	-0.257
A013627_01	-0.501	-0.458	-0.776	-1.09	-0.299	-0.243	-0.388	-0.157
A013628_01	0.022	-0.013	0.033	0.097	0.225	0.168	0.011	0.027
A013632_01	-0.152	-0.309 NA		-0.09	0.24	0.275 NA	NA	
A013633_01	-0.051	-0.208	0.086	0.435	-0.013	-0.453	0.039	-0.084
A013634_01	-0.066	-0.013	-0.229	-0.213	0.148	0.103	-0.248	-0.212
A013637_01	-0.186	-0.284	0.288	-0.014	0.05	-0.145	0.103 NA	
A013640_01	0.305	0.189	-0.069	-0.394	0.169	0.25	0.029	0.035
A013643_01	0.308	0.263	0.225	-0.476	0.522	0.596	0.272	0.025
A013644_01	0.332	0.241	0.144	-0.2	-0.093	-0.029	0.124	0.094
A013646_01	0.064	0.005	0.215	0.167	0.194	0.137	-0.109	0.075
A013647_01	0.11	0.156	0.069	-0.213	0.246	0.297	-0.003	-0.272
A013651_01	0.129	0.302	-0.072	-0.203	-0.101	-0.2	-0.114	-0.037
A013657_01	-0.53	-0.265	-0.325	-0.375	-0.081	-0.251	-0.636	-0.608
A013658_01	0.306	0.27	0.001	-0.084	0.116	0.078	-0.055	-0.155
A013659_01	0.891	0.713	0.558	0.675	0.021	0.222	-0.01	-0.171
A013660_01	0.206	0.264	0.165	-0.064	0.381	0.238	0.044	-0.072
A013661_01	0.132	0.028	-0.17	-0.046	0.215	0.146	-0.242	-0.101
A013662_01	0.216	0.197	0.134	-0.446	0.075	0.175	0.09 NA	
A013663_01	-0.223	-0.427	-0.382	-0.645	0.073 NA		-0.2	-0.272
A013664_01	-0.297	-0.26	-0.46	-0.754	0.069	0.063	-0.35	-0.221
A013667_01	0.295	0.305	0.205	-0.278	-0.193	-0.475	0.343	0.06
A013668_01	-0.478	-0.2	-0.471	0.081	-0.203	0.087	-0.216	-0.043
A013669_01	-0.587	-0.378	-0.025	-0.114	-0.099	-0.084	0.13	0.02
A013671_01	0.559	0.408	0.176	-0.304	0.228	0.213	0.03	-0.053
A013674_01	0.408	0.284	0.002	0.131	0.079	-0.09	-0.16	-0.108
A013675_01	0.436	0.112	0.137	-0.09	0.23	0.188	0.315	0.05
A013676_01	0.729	0.682	1.903	1.729	1.275	1.231	0.594	0.651
A013680_01	0.363	0.064	-0.239	-0.013	0.043	0.225	0.052	-0.15
A013681_01	-0.301	-0.32	-0.093	0.127	-0.349	-0.426	-0.142	-0.177
A013682_01	0.302	0.304	-0.519	-1.048	0.262 NA		-0.012	-0.134
A013684_01	-0.239 NA		0.146	0.132	-0.033 NA		0.177 NA	
A013685_01	0.462	0.497	0.218	0.313	0.202	0.071 NA	NA	
A013689_01	-0.085	-0.086	0.008	-0.293	0.186	0.121	0.046	-0.101
A013691_01	0.015	-0.046	0.538	0.785	0.185	0.102	-0.634	-0.758
A013692_01	0.628	0.611	0.361	-0.48	0.182	0.196	0.053	0.124
A013695_01	-0.176	-0.182	-0.773	-0.507	0.016	0.044	0.033	0.027
A013697_01	0.23	0.25	0.064	-0.236	0.795	1.017	-0.317	-0.187
A013699_01	0.405	0.433	0.308	0.066	-0.249	0.061	-0.191	-0.031
A013700_01	-0.67 NA		-0.896	-0.992 NA		0.332	0.058	-0.019
A013705_01	-0.219	-0.425	0.376	-0.23	-0.14	-0.36	0.546	0.408
A013707_01	0.101	-0.099	-0.184	0.194	0.059	-0.202	-0.184	-0.365
A013710_01	0.016	0.061	-0.363	-0.104	0.119	-0.057	0.006	-0.058
A013711_01	0.811	0.586	0.233	1.046	-0.661	-1.205	-1.238	-1.032
A013714_01	-0.046	0.148	0.517	0.095	0.273	0.655	-0.188	0.051

A013715_01	0.09	-0.032	0.023	0.013	0.102	0.119	-0.165	-0.297
A013717_01	-0.179	-0.362	-0.906	-0.991	-0.212	0.272	-0.452	-0.43
A013719_01	-0.767	-0.786	-0.005	-0.376	-0.22	0.08	-0.001	0.118
A013720_01	-0.055	-0.234	-0.349	0.02	0.045	-0.121	-0.024	-0.153
A013721_01	0.19	-0.034	-0.607	-1.215	0.032	0.342	-0.338	-0.393
A013723_01	-0.217	-0.218	-0.339	-0.293	0.162	-0.175	-0.047	-0.124
A013724_01	-0.289	-0.351	-0.272	-0.14	0.006	-0.014	-0.106	0.035
A013727_01	0.324	0.407	0.042	-0.139	0.011	0.107	-0.207	-0.21
A013728_01	-0.121	0.114	0.245	-0.151	0.06	-0.078	-0.02	0.095
A013731_01	0.367	0.175	0.426	0.023	0.29 NA		0.041 NA	
A013732_01	-0.965	-1.338	-1.614	-1.651	-0.444	-0.559	-1.208	-0.975
A013733_01	0.488	0.247	0.252	0.651	0.226	0.121	0.012	-0.092
A013735_01	-0.454	-0.509	0.078	-0.157	-0.078	-0.184	-0.219	-0.111
A013736_01	-0.251	-0.257	-0.029	-0.129	0.038	0.144	0.108	0.059
A013739_01	-0.244	-0.514	-0.497	0.182	-0.22 NA		-0.208 NA	
A013744_01	-0.732	-0.759	-0.468	-0.876	-0.35	-0.332	-0.271	0.063
A013746_01	0.237	-0.055	-0.25	-0.315	-0.116	0.043	-0.075	-0.131
A013747_01	0.138	0.238	0.08	-0.396	-0.124	-0.047	0.038	0.063
A013749_01	-0.89	-1.217	-0.043	0.032	-0.303	-0.647	0.005	0.064
A013751_01	-0.368	-0.491	-0.518	-0.257	0.07	0.071	-0.174	-0.056
A013755_01	-0.309	-0.315	-0.483	-0.512	-0.794	-0.849	-0.524	-0.41
A013756_01	-0.374	-0.021	-0.093	0.11	0.194	0.047	-0.107	-0.083
A013758_01	0.035	0.131	0.194	-0.119	-0.085	0.07	0.087	0.102
A013764_01	0.473	0.765	0.156	0.257	-0.126	0.09	-0.157	0.152
A013765_01	0.236	0.168	0.148	-0.028	0.095	0.308	0.362	0.332
A013770_01	-0.632	-0.862	-0.223	-0.198	-0.039	-0.081	0.061	-0.053
A013773_01	0.072	0.085	-0.228	-0.737	-0.007	0.062	-0.105	-0.035
A013774_01	-0.324	-0.548	-0.149	-0.406	-0.697	-0.86	-0.315	-0.304
A013775_01	-0.149 NA		0.275	0.044	-0.32 NA		-0.057	0.068
A013778_01	-0.422	-0.056	0.314	-0.058	0.013	0.015	-0.073	-0.141
A013780_01	-0.509	-0.926	-0.902	-0.923	0.269	0.275	-0.181	-0.445
A013782_01	0.369	0.283	0.394	0.443	0.391	0.31	-0.051	-0.117
A013785_01	0.409	0.1	0.253	-0.196	0.196	0.004	0.187	0.015
A013787_01	0.559	0.609	0.234	0.2	0.191	0.212	-0.266	-0.103
A013795_01	-0.034	-0.303	-0.438	-0.538	0.156	-0.106	-0.156	-0.17
A013796_01	-0.476	-0.47	0.164	-0.253	-0.162	-0.169	-0.031	0.022
A013799_01	-0.901	-1.12	-0.352	-0.325	-0.176	-0.327	-0.075	0.003
A013801_01	-0.116	-0.321	0.139	-0.005	0.065	0.004	0.045	0.021
A013805_01	0.039	-0.204	0.029	0.254	0.425	0.39	-0.303	-0.35
A013806_01	0.169	0.156	0.424	-0.029	0.1	0.076	0.021	-0.021
A013807_01	-0.088	-0.27	-0.005	0.207	-0.019	-0.216	-0.01	-0.121
A013810_01	0.308	0.099	0.39	-0.33	0.008 NA		0.07 NA	
A013829_01	0.147	0.157	0.29	-0.272	0.123	-0.005	-0.179	-0.171
A013831_01	-0.887	-1.245	0.015	0.339	-0.189 NA		-0.074	-0.162
A013832_01	0.413	0.4	0.048	-0.465	0.152	0.186	0.031	-0.039
A013833_01	-0.213	-0.374	-0.642	-0.343	-0.176	0.107	-0.4	-0.364
A013835_01	0.163	0.122	-0.577	-0.29	-0.234	-0.051	-0.561	-0.317
A013847_01	0.383	0.184	0.023	-0.19	0.314 NA		0.141	-0.008
A013856_01	0.082	0.25	0.507	0.237	0.088	0.047	-0.143 NA	
A013857_01	-0.145	-0.058	-0.191	-0.012	-0.027	0.115	0.016	-0.055
A013863_01	-0.018	-0.247	0.014	0.222	0.031	-0.218	0.05	-0.123
A013872_01	-0.658	-0.736	0.611	0.647	-0.703	-1.344	0.45	0.118
A013875_01	0.013	-0.42	-0.012	-0.302	0.634	0.629	-0.482	-0.556
A013876_01	-0.218	-0.147	0.065	0.516	0	0.136	-0.182	-0.034
A013879_01	-0.325	-0.402	-0.143	0.024	0.053	0.054	-0.075	-0.122
A013880_01	0.899	0.823	0.342	-0.53	0.475	0.558	0.135	0.101
A013884_01	0.17	0.099	0.258	0.035	0.147	0.094	0.114	0.021
A013887_01	0.542 NA		0.165	0.322	0.267 NA		0.318	-0.01
A013889_01	0.211	0.061	-0.006	-0.286	0.337	0.131	-0.103	-0.185
A013896_01	-0.027	-0.262	0.018	-0.568	0.216	-0.117	0.035	-0.045
A013898_01	-0.233	-0.221	0.149	-0.51	0.159	0.098	0.125	0.083
A013901_01	0.155	0.235	-0.176	-0.064	0.09	0.148	-0.004	-0.076
A013903_01	1.036	1.211	0.905	1.103	-0.301	-0.264	0.019	0.158
A013904_01	0.014	-0.123	-0.21	-0.181	-0.21	-0.369	-0.212 NA	
A013911_01	0.055	0.03	0.237	0.842	-0.113	-0.463	-0.408 NA	
A013912_01	0.161	0.067	-0.044	-0.203	0.201	0.189	-0.036	-0.07
A013914_01	-0.282	-0.204	-0.174	0.1	-0.012	-0.111	-0.154	-0.014
A013931_01	0.139	0.051	-0.106	0.22	-0.158	-0.097	0.113	-0.034

A013932_01	0.266	0.068	-0.07	0.018	0.201	0.132	0.068	0.003
A013942_01	0.761	0.667	0.776	0.626	0.227	0.43	0.318	0.19
A013944_01	-0.049	-0.056	0.049	-0.543	0.234	0.187	0.078	0.053
A013945_01	0.02	-0.061	-0.156	0.227	0.098	0.038	-0.163	-0.118
A013948_01	-0.35	-0.14	-0.159	0.031	0.149	0.302	0.17	0.303
A013950_01	0.426	0.182	0.275	-0.224	0.096	0.215	-0.001	-0.143
A013951_01	-0.029	-0.103	-0.219	-0.024	0.065	0.172	0.176	0.146
A013956_01	0.046	-0.166	0.077	-0.058	0.19	0.107	-0.06	-0.124
A013960_01	-0.279	-0.257	-0.204	-0.296	-0.08	0.136	-0.036	-0.011
A013971_01	0.192	0.34	0.218	-0.812	0.266	0.23	0.144	0.08
A013973_01	0.174	0.074	0.139	0.239	0.102	-0.118	0.235	0.074
A013974_01	0.726	0.669	0.494	0.294	0.461	0.593	-0.025	-0.095
A013975_01	0.46	0.465	0.866	0.219	0.357	0.537	0.469	0.388
A013980_01	-0.255	-0.293 NA		-0.586	0.169	0.014	-0.071	-0.358
A013987_01	-0.043	0.066	-0.206	-0.057	0.13	0.036	-0.165	-0.152
A013989_01	0.575	0.369	-0.021	0.246	-0.11	0.109	-0.371	-0.309
A013994_01	-0.265	-0.18	0.099	-0.033	0.056	0.005	0.006	0.009
A013995_01	1.177	1.076	1.16	0.865	0.311	0.642	0.377	0.267
A013998_01	0.166	0.16	0.398	0.236	0.221	0.019	0.094	-0.045
A014000_01	0.342	0.431	0.03	-0.847	0.232	0.568	0.31	0.199
A014010_01	0.27	0.437	0.205	-0.714	0.082	0.253	0.13	0.171
A014014_01	0.18	-0.032	-0.025	-0.561	0.25	0.209	-0.195	-0.246
A014015_01	0.151 NA		-0.459	-0.159	0.23 NA		-0.031	-0.038
A014016_01	-0.357 NA	NA		0.416	0.089 NA		0.241	0.192
A014017_01	-2.001	-2.333	-1.981	-2.118	-1.72	-2.082	-1.491	-1.116
A014019_01	-0.109 NA	NA	NA	NA		0.264	0.03	0.003
A014020_01	-0.109	-0.117	-0.037	-0.398	-0.003	0.029	-0.016	0.081
A014021_01	-0.36 NA		-1.413	-1.819	-0.429 NA		-1.371	-1.064
A014024_01	0.041	-0.11	0.037	0.139	0.254	0.299	0.274	0.193
A014025_01	0.354	0.074	0.121	-0.25	0.45	0.379	0.165	-0.099
A014026_01	0.26	0.593	-0.411	-0.301	-0.247	0.135	-0.317	-0.44
A014027_01	-0.336	-0.06 NA	NA		0.022	0.202	0.016	0.244
A014031_01	0.106	0.061	-0.169	-0.255	0.259	0.207	0.075	-0.068
A014036_01	-0.447	-0.134	-0.445	0.116	-0.082	-0.042	-0.181	0.038
A014038_01	0.485	0.648	0.171	0.275	-0.075	0.207	0.044	-0.017
A014040_01	-2.324	-2.341	-1.476	-1.044	-2.69	-3.324	-2.059	-1.459
A014043_01	0.667	0.353	0.075	-0.123	0.042	0.121	0.225	0.073
A014046_01	-0.283	-0.341	-0.265	-0.735	0.346	0.218	-0.282	-0.365
A014056_01	-0.204	-0.156	-0.305	-1.222	-0.09	-0.027	0.069	0.034
A014062_01	0.226	0.201	0.205	0.04	0.184	0.207	0.181	0.106
A014064_01	-0.233	-0.212	0.069	-0.199	0.014	-0.204	0.198 NA	
A014066_01	0.345	0.338	0.924	0.778	0.222	0.176	0.38	0.221
A014067_01	0.275	0.321	-0.017	0.23	0.183	0.199	-0.046	-0.057
A014068_01	1.243	0.909	1.462	1.448	-0.296 NA		0.341	0.043
A014069_01	-0.542	-0.716	0.222	0.194	-0.031	-0.061	0.075	0.199
A014072_01	-0.091	-0.262	0.139	0.195	0.021	0.063	-0.059	0.007
A014075_01	0.076	0.101	0.077	0.571	0.201	-0.131	0.168	0.17
A014083_01	0.527	0.377	0.054	-0.093	0.212	-0.002	-0.137	-0.33
A014084_01	0.206	0.242	0.077	-0.869	-0.068	0.201	0.017	0.023
A014085_01	0.023	-0.047	0.48	0.307	-0.013 NA		-0.056 NA	
A014086_01	-0.004	-0.026	-0.024	0.203	-0.674 NA		-0.695	-0.679
A014088_01	0.236	0.26	0.274	0.356	-0.075	0.089	0.101	0.028
A014089_01	0.392	0.376	0.125	-0.159	0.35	0.442	0.306	0.1
A014095_01	0.144	0.208	0.434	0.037	-0.026	-0.134	0.111 NA	
A014097_01	-0.059	-0.461	-0.162	-0.458	-0.041	0.171	-0.177	-0.211
A014098_01	0.156	0.056	-0.05	0.316	0.122	0.099	0.208	0.08
A014109_01	0.786	0.853	0.15	-0.025	0.052	0.411	0.063	0.014
A014112_01	-0.039 NA		0.065	-0.183	0.056 NA		0.219 NA	
A014113_01	-0.03	-0.049	0.027	0.277	0.068	-0.08	-0.003	-0.148
A014115_01	0.74	0.669	0.648	0.611	0.757	1.031	0.56	0.322
A014117_01	0.178 NA		-0.284	-0.238 NA	NA		0.003	-0.078
A014119_01	-0.354	-0.203	-0.056	0.03	-0.071	-0.008	0.234	0.135
A014121_01	-0.761	-0.665	0.639	0.398	0.182	0.41	0.871	0.677
A014124_01	-0.016	-0.051	-0.267	-0.447	0.101	0.207	-0.126	-0.112
A014126_01	0.435	0.069	-0.046	0.021	0.125	0.131	0.06	0.046
A014130_01	0.067	-0.161	0.382	0.381	-0.083	-0.313	-0.314	-0.302
A014131_01	-0.974	-0.823	0.549	0.527	-0.803	-0.904	-0.286	-0.262
A014132_01	-0.083	-0.238	-0.384	-0.337	0.141	-0.08	0.038	-0.007

A014136_01	0.352	0.127	0.073	0.004	-0.253	-0.248	-0.161	-0.116
A014137_01	0.026	0.056	-0.332	-0.5	-0.033	0.081	-0.047 NA	
A014139_01	0.21	0.038	0.307	0.092	-0.219	-0.349	-0.128	-0.238
A014140_01	-0.065	-0.259	-0.543	-0.229	-0.095	-0.113	-0.08	-0.105
A014141_01	-0.39 NA		0.264	0.14	-0.417 NA		0.202	0.109
A014144_01	0.481	0.237	-0.279	-0.054	0.135	0.407	-0.009	0.022
A014146_01	-0.418	-0.287	-0.166	0.339	-0.143	-0.347	-0.144	-0.153
A014147_01	0.854	0.608	0.592	-0.037	0.421	0.574	0.192	0.076
A014155_01	0.063	0.217	-0.283	-0.202	0.299	0.338	0.123 NA	
A014161_01	0.452	0.363	0.709	-0.014	0.437	0.578	0.201	0.041
A014163_01	0.354	0.05	-0.121	0.461	-0.165 NA		-0.1	-0.359
A014165_01	0.151	0.26	0.435	-0.096	0.03	0.227	0.236 NA	
A014167_01	0.198 NA		-0.312	-0.416	-0.065 NA		-0.068	0.039
A014168_01	-0.66	-0.578	-0.435	-0.037	-0.406	-0.261	-0.028	0.049
A014169_01	0.98	1.013	1.068	0.993	0.201	0.135	-0.221	-0.091
A014174_01	-0.141	-0.373	0.067	-0.294	0.187	0.008	0.343	0.168
A014176_01	-0.045	-0.113	-0.255	-0.023	0.182	-0.008	-0.063	-0.194
A014177_01	0.056	-0.068	0.151	0.347	0.016	0.004	0.058	0.045
A014178_01	0.27	0.255	-0.19	0.195	0.141 NA		0.094 NA	
A014179_01	0.724	0.449	0.155	-0.195	0.404	0.096	0.131	-0.234
A014180_01	0.406	0.164	-0.148	-0.356	0.391	0.645	-0.234	-0.26
A014182_01	-0.257	-0.242	0.213	0.199	-0.461	-0.419	0.012	-0.072
A014185_01	-0.056	-0.206	-0.046	0.224	0.198	-0.042	0.113	0.054
A014186_01	1.153	1.094	0.596	0.302	-0.003	0.155	0.451	0.321
A014188_01	-0.414	-0.563 NA		-0.302	-0.031	-0.297	-0.091 NA	
A014189_01	-0.707	-0.903	-0.371	-0.467	-0.519	-1.044	-0.082	-0.218
A014192_01	0.49	0.218	0.18	-0.226	0.205	0.239	0.015	-0.056
A014194_01	-0.304	-0.441	-0.087	-0.425	0.042	-0.118	0.077	-0.086
A014201_01	-0.005	0.071	0.115	0.354	-0.205	0.055	-0.018	-0.116
A014202_01	0.324	0.154	0.368	0.208	0.055	-0.024	0.06	-0.044
A014203_01	0.22	0.196	0.472	0.123	-0.093	-0.361	-0.07	-0.166
A014204_01	0.641	0.448	-0.169	0.127	-0.08	0.061	-0.153	-0.16
A014205_01	0.077	0.049	-0.193	0.279	0.136	0.194	0.487	0.429
A014208_01	-0.239	0.042	-0.334	0.021	-0.044	-0.398	-0.082 NA	
A014209_01	0.418	0.336	0.748	0.271	0.278	0.171	0.546	0.227
A014210_01	-0.026	-0.409	0.038	-0.097	-0.722	-1.148	-0.266	-0.363
A014213_01	0.196	0.079	-0.226	0.16	-0.161	-0.07	-0.423	-0.232
A014224_01	-1.022	-0.883	-0.353	-0.393	-0.165	-0.041	-0.073	0.028
A014229_01	0.782	0.616	0.101	-0.125	0.052	0.606	0.117	0
A014233_01	-0.671	-0.918	0.113	-0.212	-0.558	-0.764	-0.024	0.101
A014239_01	0.392	0.33	0.102	0.261	-0.039	-0.206	-0.312	-0.304
A014245_01	0.208	-0.072	0.193	-0.001	0.097	-0.154	0.054	-0.149
A014247_01	-1.071	-1.619 NA		-0.582	-1.46 NA	NA	NA	
A014248_01	-0.295	-0.498	-0.237	0.459	-0.052	-0.043	-0.097	-0.144
A014249_01	-0.334	-0.456	-0.564	0.141	0.031	0.068	-0.157	-0.046
A014250_01	-0.182	-0.44	-0.173	-0.447	-0.115	-0.049	-0.138	-0.17
A014253_01	0.108	0.207	-0.473	-0.516	0.141	0.265	-0.239	-0.227
A014256_01	0.289	0.393	0.08	-0.144	-0.056	0.231	-0.068	-0.038
A014257_01	-0.282	-0.377	-0.267	-0.061	0.116	-0.234	0.096	-0.07
A014264_01	-0.032	0.059	0.208	-0.115	0.157	-0.038	0.078	-0.182
A014270_01	-0.116	-0.396	-0.021	0.178	0.087	-0.168	-0.049	-0.377
A014274_01	-0.543	-0.542	-0.328	-0.666	0.08	0.145	0.138	0.205
A014275_01	-2.314	-2.487	-1.394	-0.521	-2.273	-2.894 NA		-3.01
A014276_01	0.29	0.202	0.228	-0.058	0.29	0.369	0.179	0.107
A014278_01	0.678	0.499	0.088	0.053	0.061	0.313	-0.016	-0.113
A014286_01	0.086	0.387	0.341	0.175	-0.003	0.011	-0.001	0.037
A014293_01	0.574	0.262	-0.012	0.16	0.671 NA		0.725	0.295
A014295_01	0.421	0.053	0.226	-0.367	0.121	0.446	0.259	0.144
A014304_01	-1.342 NA		-1.105	-0.984	-0.132	-0.151	0.321	0.259
A014305_01	0.296	0.07	0.074	-0.181	0.02	0.229	0.091	0.176
A014307_01	0.063	-0.02	-0.1	-0.12	-0.267	-0.607	0.162	-0.095
A014310_01	0.559	0.505	1.073	0.487	0.251	0.046	0.724	0.537
A014313_01	0.189	0.294	-0.211	-0.251	0.191	0.16	-0.199	-0.179
A014317_01	0.068	-0.086	-0.027	0.256	0.304	0.09	-0.198	-0.384
A014319_01	-0.446	-0.202	0.269	-0.139	-0.117	-0.155	-0.105	-0.016
A014323_01	0.252	0.101	0.731	0.245	0.002	-0.207	-0.178	-0.24
A014325_01	-0.165	-0.478	0.25	-0.064	0.108	0.014	0.47	0.296
A014331_01	0.156	-0.048	-0.008	0.06	0	-0.267	0.01 NA	

A014339_01	-0.073	-0.164	0.294	0.282	-0.064	-0.338	0.161	-0.071
A014344_01	0.058	-0.004	-0.207	-0.084	0.056	0.183	-0.076	0.042
A014441_01	0.144 NA		0.24	-0.505	0.322 NA		0.105	-0.095
A014442_01	-0.421	-0.337	0.133	0.216	0.112	-0.168	0.273	0.237
A014443_01	0.445	0.28	0.272	-0.06	0.379	0.319	-0.084	-0.236
A014448_01	0.273	0.531	0.223	-0.605	0.299	0.245	0.002	0.022
A014449_01	-0.133	-0.301	-0.372	0.069	-0.05	-0.044	-0.198	-0.126
A014455_01	0.715	0.705	0.249	0.134	0.666	0.673	0.449	0.295
A014457_01	0.31	0.373	-0.081	0.282	-0.041 NA		-0.029	-0.056
A014459_01	0.422	0.334	-0.142	-0.765	0.24	0.224	0.263	-0.032
A014462_01	0.215	0.13	-0.079	-0.013	0.12	-0.066	0.041	0.033
A014463_01	-0.105	-0.079	-0.043	0.115	0.068	0.101	-0.071	-0.039
A014464_01	-0.884	-0.719	-0.367	0.483	-1.829	-2.301	-1.647	-1.247
A014468_01	-0.046	-0.134	-0.475	-0.865	0.233	-0.091	-0.148	-0.236
A014469_01	-0.488	-0.45	-0.156	-0.51	0.15	0.03	0.168	-0.02
A014472_01	0.347	0.206	0.187	0.035	0.338	0.246	0.226	-0.099
A014473_01	-0.052	-0.232	-0.369	-0.21	0.19	0.002	-0.156	-0.067
A014474_01	-0.321	-0.177	0.139	-0.273	0.128	0.059	0.395	0.201
A014486_01	-0.219	-0.292	-0.098	0.072	-0.207	-0.248	-0.076 NA	
A014493_01	0.632	-0.052	-0.194	-0.234	0.294	0.03	0.184	0.206
A014495_01	0.261	0.2	0.179	-0.087	0.263	0	-0.02	-0.122
A014497_01	-0.574	-0.23	-0.101	0.412	0.054	-0.078	-0.049	-0.025
A014501_01	-0.189	-0.333	-0.294	-0.147	-0.234	-0.197	-0.258	-0.214
A014502_01	-0.329	-0.296	-0.514	-0.226	-0.086	-0.222	-0.098	0.022
A014503_01	0.061	0.001	-0.981	-0.303	0.186	0.26	0.082 NA	
A014509_01	0.122	0.112	-0.343 NA		0.252	0.392	-0.005 NA	
A014510_01	-0.099	0.288	-0.174	-0.057	0.139	0.322	-0.148	0.023
A014514_01	0.295	0.08	0.014	0.189	0.201	-0.031	0.185	-0.006
A014516_01	0.503	0.521	0.232	-0.424	0.362	0.262	0.124	0.139
A014519_01	-0.532	-0.374	-0.503	-0.405	0.537	0.683	-0.584	-0.303
A014520_01	-0.624	-0.67 NA	NA		-0.283	-0.34	-0.079 NA	
A014522_01	0.093	0.085	-0.263	-0.275	0.075	0.228	-0.302	-0.226
A014526_01	1.13	1.123	1.217	1.463	0.504	0.996	0.198	0.147
A014529_01	0.35 NA		0.25	-0.033	0.325 NA		0.236 NA	
A014531_01	-0.105	-0.095	-0.203	0.226	-0.097	-0.055	-0.069	-0.144
A014532_01	0.278	0.21	0.116	-0.998	0.072	0.074	0.283	0.126
A014537_01	-0.101	-0.114	-0.352	-0.605	0.125	-0.168	0.043	0.065
A014539_01	0.608	0.519	-0.049	-0.08	0.083	-0.282	-0.338	-0.53
A014543_01	-0.085	0.012	-0.015	0.197	-0.08	-0.326	-0.246	-0.173
A014544_01	-0.477	-0.469	-0.387	-0.576	-0.186	-0.432	-0.336	-0.233
A014548_01	0.266	0.091	0.177	-0.345	0.245	0.232	0.291	0.053
A014550_01	-0.005	-0.063	0.142	0.12	0.165	0.079	-0.094	0.003
A014556_01	-0.195	-0.023	0.035 NA		0.043	-0.352	-0.139 NA	
A014560_01	-0.072	-0.433	0.22	0.008	0.081	-0.349	0.249	-0.222
A014570_01	0.409	0.402	0.279	-0.031	0.267	0.091	0.181	0.253
A014571_01	-0.887	-0.588	-0.319	-0.124	-0.468	-0.298	0.042	0.112
A014574_01	0.042	0.398	0.222	-0.493	0.092	0.325	0.05	0.041
A014576_01	0.239	0.181	0.251	-0.233	0.372	0.459	0.507	0.259
A014577_01	-0.584	-0.451	-0.315	-0.174	-0.693	-0.9	-0.413	-0.307
A014580_01	0.136	0.067	-0.173	-0.204	0.073	-0.024	-0.063	-0.105
A014581_01	-1.429	-1.471	-1.121	-0.853	-0.817	-0.671	-0.451	-0.383
A014587_01	-0.594	-0.423	-0.542	-0.177	-0.19	-0.139	-0.141	0.097
A014590_01	0.082	0.045	0.016	-0.453	0.141	-0.055	0.006	-0.044
A014594_01	-0.169	-0.29	0.407	-0.2	-0.084	-0.036	0.179	0.17
A014596_01	0.574	0.585	-0.211	0.035	0.272	0.246	0.177	0.106
A014597_01	0.464	0.337	-0.088	-0.147	0.288	0.476	0.067	-0.101
A014600_01	0.509	0.443 NA		-0.074	0.258	0.327 NA		-0.018
A014601_01	0.343	0.289	-0.582	-0.41	0.153	0.412	-0.209	-0.117
A014611_01	-1.425	-2.063	-0.539	-1.026	-0.581	-0.761	-0.457	-0.548
A014612_01	-0.41	-0.627	-0.078	-0.215	-0.235	-0.269	0.146	0.212
A014615_01	0.061	0.191	-0.144	0.018	-0.192	-0.286	-0.23	-0.078
A014621_01	0.777	0.741	0.246	0.662	0.51	0.27	0.199	0.037
A014622_01	-0.279	-0.351	-0.707	-0.477	0.158	0.155	0.134	-0.151
A014628_01	0.288	0.256	0.351	-0.086	0.107	0.07	0.145	0.042
A014629_01	0.773	0.386	0.738	-0.018	0.421	0.344	0.135	-0.273
A014632_01	0.519	0.385	-0.017	0.2	-0.148	-0.031	-0.315	-0.002
A014633_01	-0.333	-0.395	0.293	-0.22	0.113	-0.273	0.519	0.312
A014634_01	-0.797	-0.896	-0.46	0.309	-0.246	-0.521	0.054	-0.014

A014636_01	-0.183	0.1	0.375	0.028	0.268	0.122	-0.163	-0.08
A014637_01	0.281	0.166	0.25	-0.163	0.625	0.381	0.403	0.217
A014639_01	-0.04	0.061	0.215	0.261	0.007	-0.033	-0.131	-0.248
A014643_01	0.538	0.337	0.648	0.395	0.733	0.694	0.045	0.087
A014644_01	0.37	0.21	0.057	0.075	-0.015	0.033	-0.259	-0.137
A014646_01	0.062	-0.126	-0.07	-0.464	0.001	0.127	-0.145	0.029
A014650_01	-0.106	-0.013	0.034	-0.477	0.035	-0.067	-0.024	0.02
A014654_01	-0.077	-0.081	0.03	0.048	0.292	0.156	-0.053	-0.049
A014655_01	0.278	-0.046	0.095	0.217	0.042	-0.222	-0.029	-0.105
A014660_01	-0.604	-0.422 NA	NA		0.203	-0.369 NA		-0.188
A014661_01	-0.532	-0.78	-0.29	0.364	-0.042	-0.294	-0.001	-0.193
A014662_01	0.287	0.21	0.183	0.276	0.135	0.161	0.193	-0.017
A014667_01	-0.738	-0.828	-0.483	-0.493	-0.173	-0.229	-0.326	-0.081
A014669_01	-0.353	-0.196	0.17	-0.124	-0.123	-0.041	0.017	0.066
A014675_01	0.042	0.017	-0.138	0.112	0.281	0.093	-0.129	-0.096
A014676_01	0.537	0.499	-0.281	-0.085	0.202	0.104	-0.103	-0.254
A014677_01	0.595	0.597	0.092	-0.027	0.409	0.438	0.095 NA	
A014682_01	0.327	0.195	-0.671	-0.147	-0.11	0.153	-0.202	-0.059
A014684_01	0.467	0.365	0.278	-0.385	0.234	0.247	-0.002	0.022
A014685_01	0.089	0.029	0.068	-0.073	0.145	-0.187	0.124	0.065
A014688_01	0.937	1.124	0.565	0.576	0.413	1.143	0.758	0.811
A014699_01	0.357	0.337	0.49	-0.551	0.562	0.557	0.054	0
A014701_01	-0.06	0.179	0.048	-0.145	-0.334	0.471	0.168	0.403
A014702_01	-0.164	-0.355	-0.126	-0.536	0.193	0.101	0.498	0.367
A014704_01	1.067	0.874	-0.034	-0.151	-0.186	0.266	-0.108	-0.151
A014705_01	-0.424	-0.696	-0.584	-0.549	-0.141	-0.199	-0.443	-0.429
A014706_01	0.058	-0.087	-0.35	-0.222	0.138	-0.163	-0.051	-0.084
A014707_01	0.449	0.588	0.09	0.221	-0.077	-0.007	0.041	-0.146
A014708_01	-0.065	-0.194	0.256	-0.356	0.273	0.097	0.251	-0.099
A014709_01	-0.289	-0.238	-0.306	-0.607	-0.116	-0.287	-0.611	-0.446
A014716_01	0.052	-0.058	-0.054	-0.183	-0.17	-0.166	-0.335	-0.257
A014717_01	-0.445	-0.408	-0.209	0.065	-0.206	-0.163	-0.239	-0.175
A014720_01	-0.836	-1.164	-0.617	-0.365	-0.148	-0.555	-0.296	-0.203
A014721_01	-0.305	-0.407	-0.172	0.183	-0.226	-0.338	-0.017	-0.143
A014722_01	0.351	0.159	-0.173	-0.198	0	0.31	-0.006	0.109
A014723_01	-0.441	-0.45	-0.185	-0.29	0.021	-0.061	0.096	0.074
A014724_01	-1.325	-1.627	-0.441 NA		-0.486	-0.479	0.309	0.151
A014725_01	0.914	0.571	0.185	0.151	-0.095	0.41	0.32	0.246
A014726_01	-1.996	0.091	0.237 NA		-1.592	0.168	0.068 NA	
A014728_01	-0.271	-0.262	-0.232	-0.378	-0.144	-0.126	-0.189	-0.156
A014730_01	-0.003	-0.059	0.178	-0.022	-0.019	-0.168	0.129	-0.031
A014732_01	0.292	0.084	0.166	0.532	0.224	-0.069	-0.054 NA	
A014733_01	0.278	0.073	0.16	-0.474	-0.036	0.189	0.178	0.085
A014738_01	-0.069	-0.116	0.025	-0.008	0.135	0.108	0.013	0.071
A014742_01	0.666	0.496	0.238	-0.055	-0.144	0.068	-0.025	-0.027
A014743_01	0.458	0.412	0.336	-0.426	0.208	0.328	0.27	0.145
A014745_01	0.231	0.3	-0.005	-0.056	0.183	0.197	-0.082	0.001
A014746_01	-1.67	-1.212	-0.257	-0.377	-0.5	-0.203	0.083	0.337
A014750_01	-0.029	-0.061	-0.054	-0.189	-0.274	-0.604	-0.197	-0.013
A014751_01	0.464	0.241	0.228	0.186 NA	NA		0.188	0.06
A014752_01	0.524	0.314	-0.051	-0.354	0.502	0.573	0.165	0.058
A014754_01	0.247	0.197	-0.048	0.017	0.125	0.204	0.135	0.121
A014755_01	0.022	0.221	-0.315	-0.268	-0.004	0.146	-0.252	-0.154
A014758_01	0.591	0.683	0.593	0.806	0.567	0.804	0.122	0.198
A014759_01	-1.168	-1.179	-0.538	-0.619	-0.363	-0.481	0.139	0.258
A014760_01	0.612	0.6	-0.014	-0.35	0.132	0.303	-0.023	-0.28
A014761_01	0.012	-0.003	0.072	-0.598	0.073	-0.173	-0.263	-0.246
A014762_01	0.357	0.304	0.22	-0.097	0.115	-0.017	-0.051	-0.023
A014763_01	0.293	0.157	-0.099	-0.098	0.192	0.499	0.102	0.041
A014765_01	-0.084	-0.148	-0.054	-0.098	0.131	0.132	-0.222	-0.344
A014767_01	0.484	0.619	-0.108	-0.408	0.187	0.515	0.148	0.13
A014769_01	0.168	0.087	-0.065	0.108	0.393	0.395	-0.136	-0.094
A014771_01	0.304	0.144	-0.134	0.216	0.062	-0.167	-0.279	-0.302
A014774_01	-0.41	-0.289	-0.092	0.039	0.011	-0.107	-0.136	-0.201
A014777_01	-0.044	0.188	-0.111	0	-0.161	0.144	-0.249	-0.053
A014780_01	-0.1	-0.162	0.311	-0.027	-0.013	-0.222	-0.08	-0.143
A014783_01	0.393	0.15	-0.144	-0.764	0.179	0.097	-0.233	-0.309
A014785_01	0.523	0.46	0.14	0.197	-0.02	0.089	-0.163	-0.039

A014789_01	-0.054	-0.718	0.513	0.15	0.375	0.468	0.243	0.48
A014793_01	0.601	0.397	0.574	-0.285	0.293	0.502	0.324	0.375
A014794_01	0.274	0.084	0.032	-0.291	0.361	0.207	0.604	0.298
A014798_01	0.28	0.324	0.1	0.432	0.182	0.441	-0.207	-0.112
A014799_01	-1.67	-1.73	-1.095	-0.458	-2.416	-2.964 NA		-2.02
A014800_01	0.246	0.109	0.13	-0.116	0.18	0.015	0.034	-0.072
A014801_01	0.578	0.599	0.425	0.66	0.348	0.662	0.595	0.441
A014802_01	0.292	0.39	0.483	0.436	0.251	0.17	0.19 NA	
A014805_01	0.791	0.686	0.269	-0.428	0.13	0.658	0.162	0.112
A014806_01	0.62	0.506	0.117	0.14	0.043	-0.046	0.038	-0.165
A014811_01	-0.01	0.151 NA		NA	0.355	0.413	0.064	0.167
A014819_01	0.179	0.188	-0.076	0.386	0.193	0.065	-0.024	-0.209
A014821_01	0.295	0.159	0.337	0.024	0.206	0.246	0.132	0.009
A014825_01	0.476	0.428	0.645	0.844	0.191 NA		0.495	0.611
A014832_01	0.12	-0.012	-0.085	0.049	0.137	0.075	0.232	0.255
A014833_01	-0.153 NA		-0.121	-0.751	0.13 NA		0.068	0.116
A014835_01	-0.032	-0.084	0.135	0.049	0.153	0.089	-0.034	-0.067
A014838_01	-0.204	-0.115	-0.18	-0.153	-0.182	-0.346	-0.257	-0.273
A014842_01	-0.25	-0.14	-0.159	0.166	-0.176	-0.27	0	0.07
A014848_01	0.364	0.146	0.384	-0.123	0.174	0.121	0.156	-0.046
A014850_01	0.001	0.017	0.007	-0.201	0.077	0.022	-0.017	-0.079
A014851_01	0.011 NA		0.737	0.076	-0.29 NA		0.841	0.629
A014855_01	0.144	0.157	0.778	0.432	0.743	0.854	0.439	0.121
A014858_01	-0.093	-0.282	-0.437	0.004	0.171	0.279	0.15	0.067
A014860_01	-0.042	0.246	-0.449	-0.482	0.15	0.311	-0.412	-0.334
A014862_01	-0.201	-0.062	-0.289	-0.205	0.115	-0.077	-0.024	-0.045
A014867_01	1.098	0.961	1.685	1.878	0.774	0.844	-0.121 NA	
A014874_01	0.113	0.329	-0.003	0.076	0.254	0.541	-0.363	-0.395
A014875_01	0.049 NA		-0.196	0.564	0.218 NA		0.071	0.177
A014876_01	-1.515	-1.932	-0.98	-1.087	-0.536	-0.839	-0.249	-0.415
A014888_01	0.12	0.181	0.104	0.161	0.005	0	-0.166	-0.109
A014892_01	-0.063 NA		-0.069	-0.697	0.367	0.231	0.161	0.005
A014899_01	-0.307	-0.322	-0.213	-0.24	-0.06	-0.05	0.042	0.157
A014904_01	0.048	-0.01	0.316	0.086	0.029	-0.033	0.01	0
A014914_01	0.376	0.315	0.212	0.465	0.212	0.208	0.297	0.172
A014915_01	0.185 NA		-0.035	0.153	-0.036 NA		0.11	-0.056
A014919_01	0.617	0.563	0.551	0.135	0.364	0.462	0.068	0.004
A014925_01	-0.007	-0.108	0.209	0.325	0.053	-0.172	0.188	0.022
A014927_01	-0.073	-0.528	-0.86	-0.708	-0.012	-0.144	-0.554	-0.528
A014928_01	0.033	0.005	-0.252	-0.072	0.33	0.361	-0.457	-0.455
A014929_01	-0.604	-0.714	-0.217	-0.441	-0.289	-0.282	0.146	0.14
A014931_01	-0.192	-0.207	-0.072	-0.199	-0.029	-0.047	0.036	0.067
A014932_01	0.311	0.096	-0.12	0.018	0.098	0.398	0.096	0.161
A014933_01	0.122	0.096	-0.366	-0.057	-0.058	-0.089	-0.106	-0.116
A014935_01	-0.071	-0.22	0.189	-0.053	0.149	-0.063	-0.02	0.033
A014936_01	0.196	0.229	-0.176	0.197	0.553	0.647	0.351	0.297
A014938_01	-0.329	-0.518	-0.273	-0.043	0.021	-0.184	-0.206	-0.261
A014939_01	-0.574	-0.562	-0.87	-0.954	-0.143	-0.058	-0.419	-0.321
A014942_01	0.099	-0.073	-0.082	0.223	0.313	0.258	-0.15	-0.28
A014945_01	-1.428	-1.6	-0.728	-0.697	-1.09	-1.587	-0.712	-0.714
A014947_01	0.29	0.466	0.414	0.269	0.174	0.364	-0.242	-0.273
A014948_01	-0.949	-1.056	-0.443	-0.149	-0.63	-0.686	-0.241	-0.13
A014951_01	-0.28	-0.296	0.142	0.149	0.131	0.154 NA		0.382
A014952_01	0.072	0.163	0.324	-0.106	0.28	0.252	-0.125	-0.04
A014953_01	0.275	0.223	-0.525	-0.565	0.434	0.507	0.172	0.047
A014954_01	-0.062	-0.163	0.102	-0.067	0.326	0.255	-0.032	-0.053
A014955_01	-0.368	-0.337	-0.298	0.086	0.269	0.081	0.017 NA	
A014965_01	0.602	0.602	0.77	0.574	0.097 NA		0.003 NA	
A014971_01	-0.156	-0.28	0.003	0.25	0.018	-0.122	0.094	-0.01
A014974_01	-0.329	-0.088 NA		NA	-0.375 NA		-0.214 NA	
A014976_01	-0.115	-0.197	-0.175	-0.441	0.097	-0.012	-0.03	-0.041
A014979_01	0.27	0.09	-0.143	-0.078	-0.069	-0.162	-0.22 NA	
A014980_01	0.569	0.557	0.24 NA		0.16	0.286	-0.096 NA	
A014982_01	-0.251	-0.162	0.126	0.472	-0.016	-0.031	0.307	0.273
A014984_01	0.578	0.586	-0.041	0.157	0.297	0.526	-0.268	-0.147
A014986_01	0.392	0.167	-0.212	-0.271	0.083	0.218	0.035	-0.094
A014989_01	0.255	0.248	0.454	0.39	-0.169	-0.122	-0.09	-0.193
A014991_01	0.429	0.266	-0.342	-0.31	0.38	0.471	0.155	0.162

A014996_01	0.334	0.212	0.146	-0.328	0.004	0.216	0.084	0.058
A015002_01	0.066	0.049	0.106	-0.026	-0.055	-0.161	0.049	-0.101
A015008_01	0.032	-0.017	0.094	-0.093	0.265	0.275	0.129	0.109
A015009_01	-0.263	-0.37	-0.795	-0.873	-0.06	-0.115	-0.482	-0.38
A015011_01	-0.164	-0.125	0.04	-0.088	0.016 NA		-0.161	-0.35
A015012_01	-0.047	-0.262	-0.289	0.261	-0.186	-0.147	-0.083	0.036
A015013_01	-0.516	-0.477	-0.412	-0.009	-0.136	-0.083	-0.343	-0.171
A015025_01	0.034	-0.132	0.519	0.151	0.275	0.02	0.483	0.232
A015035_01	0.801	0.606	0.033	0.034	0.12	0.362	0.023	-0.174
A015041_01	-0.159	-0.033	0.263	-0.368	-0.089	-0.254	0.188	0.059
A015042_01	0.456	0.418	-0.117	0.039	0.249	0.306	-0.203	-0.259
A015044_01	0.311	0.229	0.278	-0.095	0.059	-0.039	0.11	0.04
A015047_01	0.206	0.29	-0.159	-0.058	-0.223	-0.219	0.585	0.562
A015050_01	-0.462	-0.431	-0.063	0.158	-0.273	-0.461	0.376	0.384
A015054_01	0.751	0.485	0.295	-0.855 NA		0.427	0.219	0.003
A015056_01	0.412	0.287	0.432	0.4	0.314	0.34	0.112	-0.098
A015062_01	1.04	1.093	0.648	0.224	0.358	0.557	0.508	0.495
A015066_01	-0.601	-0.576	-0.135	0.364	-0.1	-0.202	0.098	0.063
A015067_01	-0.076 NA		-0.351	0.052	0.247 NA		-0.028 NA	
A015071_01	-1.635	-1.44	-0.081	-0.557	-0.621	-0.597	-0.134	-0.154
A015072_01	0.562	0.283	0.192	0.221	-0.037	-0.123	-0.252	-0.106
A015075_01	0.753	0.622	-0.244	-0.638	0.273	0.501	0.012	0.162
A015077_01	0.29	0.246	0.049	0.047	0.097	-0.06	-0.047	-0.087
A015079_01	0.203	0.157	0.198	0.442 NA		0.21	0.598	0.143
A015081_01	0.462 NA		-0.206	-0.011	0.285 NA		0.11 NA	
A015082_01	-0.325	-0.651	-0.182	0.126	-0.164	-0.314	0.127	0.086
A015083_01	0.19	0.144	0.033	-0.22	0.202	0.168	0.105	0.023
A015084_01	-0.061	-0.026	0.227	-0.463	0.28	0.212	0.392	0.36
A015088_01	0.407	0.335	0.076	0.035	0.325	0.567	-0.01	0.1
A015090_01	0.779	0.428	0.093	-0.01	0.164	0.272	0.037	-0.106
A015092_01	-0.013	-0.083	-0.179	-0.098	0.024	-0.096	-0.315 NA	
A015093_01	-0.276	-0.362	-0.024	0.114	-0.187	-0.246	-0.075	-0.051
A015095_01	0.623	0.809	0.662	0.706	-1.237	-1.503	-0.042	0.124
A015096_01	-0.481	-0.644 NA		-0.128	-0.063	-0.305	-0.04	-0.036
A015097_01	-0.279	-0.187	-0.12	0.139	0.058	-0.124	-0.159	-0.25
A015098_01	-0.101	-0.169 NA		0.298	0.12	0.074	0.064	0.054
A015102_01	-0.127	-0.427	0.349	-0.233	0.336	0.174	0.236	-0.046
A015105_01	-0.034	-0.395	-1.026	-0.994	-0.073	-0.167	-0.543	-0.676
A015108_01	0.336	0.043	0.168	0.215	0.079	-0.117	0.144	0.072
A015109_01	0.502	0.395	0.685	0.376	-0.1 NA		0.226	0.112
A015111_01	-0.134 NA	NA		-0.326	0.057 NA		0.09	0.005
A015114_01	0.423	0.384	0.228	0.107	0.375	0.355	-0.353	-0.334
A015118_01	-0.3	0.043	0.229	0.056	0.174	-0.048	0.021	0.037
A015121_01	0.326	0.177 NA		-0.05	0.358	-0.055	0.09 NA	
A015124_01	-0.257	-0.375	-0.131	0.076	0.041	0.023	-0.011	-0.148
A015125_01	-0.14	-0.171	-0.057	-0.119	0.019	-0.226	0.034	-0.021
A015126_01	0.066	0.375	0.531	-0.371	0.086	0.203	0.344	0.304
A015128_01	0.429	0.541	-0.066	-0.614	0.064	0.413	0.173 NA	
A015129_01	0.283	0.199	0.033	0.287	-0.034	-0.007	0.026	0.062
A015134_01	-0.574	-0.819	-1.409	-1.59	-0.035	-0.033	-0.085	-0.172
A015141_01	-0.391	-0.316	0.164	-0.089	0.061	-0.274	-0.034	0.025
A015144_01	-1.004	-0.707	-0.594	-0.412	-0.423	-0.459	-0.143	-0.026
A015147_01	0.205	0.462 NA	NA		0.103	0.001	-0.008	0.119
A015148_01	-0.326	-0.184	-0.238	-0.322	0.251	0.034	-0.059	-0.254
A015149_01	0.245	0.07	-0.194	-0.173	0.17	-0.082	-0.027	-0.138
A015157_01	-0.429	-0.634	-1.007	-0.281	-0.465	-0.733	-0.499	-0.42
A015160_01	-0.2	-0.096	-0.441	-0.08	0.056	-0.04	-0.131	-0.033
A015163_01	-0.046 NA		-0.352	0.285	0.068 NA		-0.235 NA	
A015165_01	0.356	0.248	-0.388	-0.13	0.06	0.331	0.003	-0.012
A015167_01	0.698	0.653	-0.029	-1.467	0.477	0.86	0.273	0.153
A015168_01	0.055	0.083	-0.055	-0.655	0.116	-0.061	-0.18	-0.251
A015171_01	0.7	0.639	0.101	-0.349 NA		0.28	0.098	-0.034
A015181_01	0.297	0.145	0.254	0.125	-0.046	-0.307	-0.129	-0.148
A015182_01	-0.582	-0.519	-0.653	-0.47	-0.1	0.022	0.092	0.045
A015183_01	0.296	0.018	-0.101	-0.377	0.151	-0.161	0.005	-0.08
A015185_01	0.391	0.36	0.038	0.443	0.028	0.297	-0.03	-0.019
A015187_01	0.221	0.056	0.026	0.211	0.12	0.046	-0.087	-0.023
A015190_01	0.028	-0.034	-0.232	-0.173	0.365	0.019	0.139	-0.308

A015196_01	0.169	-0.112	-0.191	-0.082	0.073	0.026	-0.036	0
A015197_01	-0.26	-0.349	-0.539	-0.153	0.044	-0.247	-0.17	-0.078
A015199_01	-0.095	-0.188	0.094 NA		0.133	-0.295	-0.169 NA	
A015203_01	0.342	0.152	0.464	0.49	0.37	0.25	0.403	0.303
A015220_01	0.019	-0.104	-0.039	-0.212	0.107	-0.006	0.391	0.189
A015223_01	-0.117	-0.003	0.173	-0.318	-0.061	-0.053	-0.127	-0.004
A015232_01	-0.118	-0.118	-0.156	0.271	-0.058	-0.064	0.164	0.089
A015235_01	0.03	-0.137	-0.881	-0.237	-0.232	-0.702 NA	NA	
A015236_01	0.315	0.418	0.1	-0.174	0.062	0.039	-0.114	-0.095
A015237_01	0.536	0.611	-0.059	-0.155	-0.036	0.309	0.017	0.16
A015239_01	-0.291	-0.233	0.089	0.073	-0.12	-0.15	-0.124	-0.103
A015240_01	-0.304	-0.435	-0.68	0.133	-0.094	-0.32	-0.197	-0.122
A015243_01	0.251	0.234	0.052	-0.405	0.299	0.366	0.196	0.057
A015246_01	0.207 NA		0.174	0.091	0.194 NA		0.2 NA	
A015249_01	-0.798	-1.1	-0.64	-0.441	-0.266	-0.183	0.001	-0.093
A015251_01	-0.14	-0.099	0.184	0.203	-0.014	-0.038	-0.151	-0.105
A015257_01	0.336	0.49	-0.053	-0.728	0.156	0.234	0.175	0.179
A015260_01	-0.041	-0.198	-0.022	-0.357	0.396	0.433	0.41	0.288
A015263_01	0.63	0.708	0.023	-0.234	0.541	0.938	0.042	-0.081
A015264_01	0.652	0.582	-0.288	-0.272	0.267	0.383	0.193	0.118
A015265_01	0.499	0.495	0.536	0.296	-0.058	-0.005	0.387	0.154
A015266_01	0.497	0.392	0.544	0.39	0.109	-0.017	0.434	0.136
A015267_01	0.413	0.449	-0.222	0.003	-0.066	-0.001	-0.411	-0.361
A015269_01	-0.187	0.225	0.163	-0.236	-0.117	-0.039	0.049	0.201
A015271_01	0.035	-0.172	0.196	0.016	0.131	-0.049	-0.038	-0.356
A015272_01	0.108	0.003	0.099	0.081	-0.011	-0.144	-0.15	-0.256
A015279_01	0.553	0.562	0.305	0.362	0.289	0.454	0.104	0.068
A015281_01	-1.368 NA	NA	NA		-0.165	-0.625	-0.535 NA	
A015283_01	0.247	0.398	0.008	-0.244	0.065	0.211	0.024	0.061
A015284_01	0.045	0.029	-0.023	0.172	-0.108	-0.115	-0.009	-0.048
A015285_01	0.229	0.086	0.134	-0.208	0.328	0.094	0.125	-0.04
A015286_01	0.047	-0.087	-0.408	0.157	-0.002	-0.023	-0.368	-0.084
A015294_01	0.336	0.255	0.397	0.325	0.272	0.023	0.184	0.068
A015296_01	0.103	-0.008	0.143	0.05	0.135	0.223	0.106	-0.121
A015301_01	-0.186 NA	NA		-0.391	-0.015 NA		-0.008	-0.192
A015302_01	0.457	0.368	-0.25	0.422	-0.027	0.067	-0.415	-0.32
A015313_01	0.462	0.153	-0.314	0.019	0.385	0.27	-0.361	-0.288
A015314_01	0.502	0.454	0.007	-0.414	0.111	0.25	0.098	0.094
A015319_01	-0.077	-0.175	-0.15	0.147	0.136	0.046	-0.177	-0.237
A015320_01	-0.199	-0.183	0.004	0.465	-0.104	0.06	-0.06	-0.041
A015321_01	0.558	0.206	0.3	0.325	0.299	0.338	0.406	0.153
A015323_01	0.453	0.574	-0.082	-0.241	0.162	0.197	0.007	0.015
A015331_01	0.809	0.87	0.95	1.01	0.482	0.605	0.321	0.242
A015336_01	0.097	0.086	-0.001	0.212	0.136	0.168	-0.147	-0.267
A015339_01	-1.852	-2.333	-0.824	-1.15	-1.078	-1.503	-0.375	-0.465
A015345_01	1.052	1.009	1.392	1.337	-0.045	0.035	-0.431	-0.32
A015349_01	0.078	-0.189	-0.272	-0.132	-0.02	-0.183	-0.209	-0.253
A015351_01	-0.297	-0.257	0.443	0.534	-0.34	-0.065	-0.04	0.008
A015356_01	-0.602	-0.474	-0.38	-0.216	-0.336 NA		0.117	0.101
A015357_01	0.072	0.421	0.401	0.136	0.073	-0.13	-0.068	-0.018
A015360_01	0.661	0.645	0.313	0.322	-0.028	-0.183	-0.296 NA	
A015361_01	0.442	0.223	-0.152	-0.137	0.037	0.111	-0.056	-0.115
A015368_01	-0.288	-0.219	0.172	0.158	0.127	0.036	-0.198	-0.2
A015378_01	-0.594	-0.257	-0.293	-0.406	-0.13	-0.106	-0.046	0.033
A015380_01	-1.743	-1.483	-1.665	-1.594	-1.104	-1.343	-0.646	-0.573
A015388_01	-0.094	-0.053	-0.018	0.054	0.052	-0.148	-0.052	-0.087
A015394_01	0.208	0.033	-0.565	-0.896	0.188	0.257	-0.097	-0.266
A015397_01	-0.425	-0.78	0.04	0.304	0.066	-0.407	0.029	-0.1
A015404_01	0.299	0.322	0.149	0.202	0.105	0.089	-0.036	-0.059
A015414_01	0.564	0.569	0.312	0.197	0.354	0.372	0.049	-0.012
A015422_01	-0.426	-0.758	-0.276	-0.311	-0.035	-0.174	0.298	0.087
A015423_01	0.11	-0.057	-0.191	0.344	0.46	0.497	-0.016	-0.091
A015431_01	-0.409	-0.247	-0.043	-0.025	-0.317	-0.233	0.055	0.096
A015432_01	0.306	0.321	-0.052	-0.439	0.12	0.173	-0.008	-0.156
A015434_01	0.532	0.328	0.112	-0.047 NA		0.089	-0.111	-0.035
A015435_01	0.112 NA		-0.133	-0.169	-0.11 NA		-0.028	-0.041
A015439_01	-0.406	-0.294	-0.195	-0.495	-0.113	-0.298	-0.579	-0.434
A015442_01	-0.554	-0.601	-0.239 NA		-0.031	-0.346	-0.473 NA	

A015444_01	-0.111	-0.353	-0.364	-0.122	-0.013	-0.296	-0.328	-0.297
A015445_01	-0.068	-0.071	0.05	-0.585	0.24	0.161	0.117	0
A015446_01	-0.311	-0.275	0.209	-0.289	0.588	0.699	-0.195	-0.117
A015447_01	-0.63	-0.635	-0.61	-0.569	0.045	0.046	-0.436	-0.401
A015448_01	-0.5	-0.731	-0.149	0.351	0.138	-0.105	0.264	0.057
A015450_01	0.233	0.122	-0.259	-0.177	0.001	0.22	0.018	-0.105
A015453_01	-0.715	-0.641	-0.271	-0.318	-0.475	-0.562	-0.274	-0.103
A015454_01	-0.124	-0.273	0.1	-0.374	0.08	-0.045	0.395	0.129
A015455_01	0.708	0.676	0.436	0.17	0.048	0.137	0.123	0.006
A015457_01	0.478	0.284	0.223	-0.172	0.277	0.24	-0.028	-0.16
A015458_01	0.234	0.217	0.232	0.101	0.12	0.065	0.103	0.062
A015462_01	-0.046	-0.123	-0.012	-0.339	-0.096	-0.269	-0.01	-0.218
A015463_01	0.717	0.622	0.392	0.588	-0.436	-0.275	-0.48	-0.369
A015464_01	-0.012	-0.16	0.446	0.947	0.208	-0.245	0.426	0.287
A015465_01	0.825	0.996	0.898	0.746	0.486	0.483	0.383	0.465
A015466_01	0.152	0.045	0.077	-0.045	0.244	0.252	0.144	0.031
A015472_01	-0.088	-0.165	0.175 NA		-0.205	-0.508	-0.405 NA	
A015473_01	0.185	-0.034	-0.314	-0.286	-0.149	-0.137	-0.241	-0.267
A015474_01	-0.35	-0.398	-0.132	-0.367	-0.043	-0.263	-0.055	-0.125
A015475_01	0.272	0.085	0.1 NA		0.162	-0.277	-0.023 NA	
A015477_01	0.053	0.197	0.193	0.07	0	-0.018	0.197	0.076
A015481_01	0.033	-0.048	-0.191	-0.334	0.084	-0.006	-0.335	-0.236
A015483_01	-2.888	-3.229	-2.395	-2.843	-1.595	-2.56	-1.947	-1.645
A015484_01	0.028	-0.285	-0.424	0.175	-0.027	-0.179	-0.397	-0.311
A015487_01	-0.48	-0.447	-0.67	-0.838	-0.207	-0.245	0.115	0.008
A015490_01	0.235 NA		-0.512	-0.448	0.062 NA		-0.004	-0.067
A015492_01	-0.73	-0.978	0.195	-0.033	-1.046	-1.489	-0.263	-0.196
A015493_01	0.534	0.423	0.111	-0.509	0.046 NA		0.103	0.003
A015498_01	-1.335	-1.348	-0.107	-0.567	-0.629	-0.633	-0.071	-0.198
A015504_01	-0.327	-0.346	-1.372	-1.292	-0.125	0.129	-0.479	-0.368
A015505_01	0.722	0.314	0.156	0.145	-0.217	-0.231	0.308	0.158
A015508_01	-0.293 NA		-0.87	-0.949	-0.26 NA		-0.364 NA	
A015510_01	-0.668	-0.621	-0.96	-0.527	-0.329	-0.152	-0.686	-0.493
A015511_01	0.091	-0.105	0.102	0.283	0.503	-0.126	-0.014	-0.186
A015513_01	-0.412	-0.103	-0.162	-0.105	-0.085	-0.148	-0.121	-0.063
A015519_01	0.339	0.424	0.21	-0.298	0.125	0.292	0.152 NA	
A015522_01	0.092	-0.013	0.18	0.196	0.15	-0.115	-0.071	-0.189
A015523_01	0.166	0.218	0.238	-0.319	0.271	0.377	0.039	0.072
A015524_01	0.141	0.087	0.09	-0.177	-0.244	-0.3	-0.177	-0.023
A015530_01	0.138	0.166	-0.296	-0.032	0.086	0.017	0.048	0.038
A015534_01	-0.462	-0.38	-0.027	-0.621	-0.019	-0.056	-0.12	0.163
A015536_01	-0.352	-0.34	0.12	0.064	-0.24	-0.331	-0.153	0.022
A015539_01	-0.179	-0.19	0.059	0.288	0.003	0.131	-0.395	-0.282
A015540_01	-1.282	-0.937	-0.634	-0.688	0.177	0.567	0.041	0.141
A015543_01	-0.208	-0.291	-0.187	-0.018	0.342	0.137	-0.472	-0.465
A015548_01	-0.257	-0.194	-1.083	-0.919	-0.288	-0.295	-0.507	-0.434
A015550_01	-0.042	-0.09	-0.167	-0.262	0.129	0.093	0.086	-0.244
A015558_01	0.336	0.407	0.54	-0.506	0.481	0.822	-0.047	0.077
A015563_01	0.641	0.42	0.17	0.153 NA	NA		-0.021	-0.256
A015571_01	-0.29	-0.565	-0.321	0.086	-0.091	-0.162	-0.003	0.007
A015576_01	0.305	0.125	-0.306	0.249	-0.237	-0.173	-0.204	-0.122
A015578_01	-0.147	-0.317	-0.156	0.103	-0.068 NA		0.094	-0.071
A015579_01	0.434	0.418	0.337	-0.019	0.222	0.314	0.006	0.064
A015585_01	-0.293	-0.649	-0.287	0.133	0.021	-0.421	-0.142	-0.071
A015586_01	-0.349	-0.394	-0.05	0.13	-0.111	-0.556	-0.046	-0.154
A015587_01	-0.083	0.146	0.253	0.093	0.257	0.134	0.117	0.154
A015591_01	-0.786	-0.469	-0.398	0.075	-0.2	-0.11	-0.117	-0.013
A015595_01	-0.363	-0.633	-0.553	-0.454	-0.323	-0.431	-0.33	-0.357
A015599_01	0.656	0.686	0.531	0.142	0.062	0.254	0.215	0.35
A015600_01	0.384	0.328	0.28	0.335	0.161 NA		0.151	-0.011
A015605_01	-0.084	-0.027	0.239 NA		0.052	-0.216	0.243 NA	
A015607_01	-0.25	-0.342	0.095	-0.041	0.12	-0.079	-0.036	0.003
A015608_01	-0.038 NA		0.22	0.851	0.506	0.385	0.291	0.407
A015613_01	0.584	0.448	0.244	0.299	0.129	-0.069	0.059	-0.075
A015616_01	0.093	0.001 NA		0.09	0.047	0.026	0.029	-0.07
A015617_01	-0.031	0.168	0.334	-0.006	0.283	0.315	0.069	0.167
A015619_01	-0.001	0.113	0.336	0.402	0.134	0.138	0.027	-0.015
A015625_01	0.213	0.253	-0.005	-0.099	0.246 NA		0.144	-0.124

A015629_01	0.149	0.492	0.651	0.496	0.203	0.461	0.121	0.426
A015634_01	0.294	0.193	0.559	0.388	0.398	0.434	0.12	-0.018
A015635_01	-0.023 NA		0.137	0.027	0.16 NA	NA		0.044
A015637_01	0.007 NA		-0.173	-0.231	0.14 NA		0.091 NA	
A015638_01	-0.117	-0.092	-0.263	-0.164	0.168	0.103	0.107 NA	
A015639_01	-0.081	-0.38	-0.386	-0.902	0.091	-0.042	0.262	0.253
A015641_01	-0.715	-0.868	-0.751	-0.276	-0.223	-0.304	-0.415	-0.395
A015643_01	0.07	-0.007	-0.08	-0.097	0.177	0.005	0.254	0.119
A015645_01	0.043	0.276	0.066	-0.042	0.216	0.099	0.22 NA	
A015646_01	-0.009	0.193	0.301	0.353	-0.117	-0.007	-0.108	0.044
A015647_01	-0.288	-0.507	0.22	-0.037	-0.021	-0.146	-0.017	-0.17
A015648_01	0.148	0.071	0.138	-0.116	0.128	0.038	0.23	0.164
A015649_01	-0.308	-0.358	-0.3	-0.413	0.056	0.139	-0.094	-0.15
A015650_01	-0.083	-0.126	-0.016	-0.084	-0.044	-0.072	0.128	0.002
A015651_01	-0.356	-0.256	-0.295	-0.078	-0.41 NA		-0.138	-0.176
A015653_01	0.071	-0.14	-0.297	0.006	-0.028	0.278	0.214	0.078
A015654_01	-0.138	-0.152	-0.091	-0.406	0.099	-0.052	0.024	-0.091
A015658_01	-0.268	-0.112	-0.257	-0.786	-0.175	0.021	-0.172	-0.066
A015659_01	-0.404 NA		0.423	-0.313	-0.244 NA		0.289	0.079
A015660_01	-0.192	-0.037	-0.056	0.388	0.08	0.218	0.106	0.262
A015662_01	0.324	0.258	0.501	0.252	0.023	-0.142	0.333	0.162
A015663_01	0.469	0.493	0.405	0.367	-0.145	-0.197	-0.016	0.142
A015665_01	-0.026	0.101	0.496	0.449	-0.053	0.001	0.305	0.317
A015667_01	-0.214	-0.213	0.166	0.289	-0.063	-0.396	-0.209	-0.334
A015668_01	-0.002	-0.22	-0.561	-0.161	-0.09	-0.347	-0.189	-0.436
A015673_01	0.147	0.051	0.007	0.28	0.02	-0.042	-0.118	-0.214
A015678_01	0.267	0.19	0.107	0.018	0.225	0.193	0.051	0.071
A015679_01	-0.42	-0.483	-0.587	-0.883	-0.098	-0.189	-0.454	-0.389
A015692_01	-0.119	-0.018 NA		0.067	-0.005	0.44	0.195 NA	
A015697_01	-0.186	0	0.004	0.146	0.053	-0.002	0.205	-0.018
A015703_01	0.039	-0.09	-0.156	-0.13	0.274	-0.055	-0.068 NA	
A015705_01	-0.485	0.132	-0.069	-0.062	-0.143	0.112	-0.17	0.248
A015707_01	-0.013	0.013	-0.04	-0.278	0.193	0.212	-0.009	0.058
A015713_01	0.194	0.079	-0.116	0.109	0.12	0	-0.135	-0.132
A015716_01	0.183	0.221	0.05	-0.33	0.114	0.074	0.018 NA	
A015723_01	-0.261	-0.329	0.028	-0.24	-0.062	-0.116	-0.037	-0.073
A015724_01	0.288	0.363	0.271	0.049	0.258	-0.138	0.095	0.058
A015725_01	-0.074	-0.233	0.123	0.164	-0.004	-0.272	0.006	-0.134
A015733_01	-1.186 NA	NA		-0.147	-0.56 NA		-0.177 NA	
A015739_01	-0.344	-0.285	-0.108	-0.023	-0.108	0.011	-0.068	-0.248
A015744_01	0.493	0.296	-0.004	0.198	0.101 NA		0.071	-0.06
A015747_01	-0.01	-0.1 NA		-0.035	0.281	0.096	0.093	-0.074
A015750_01	0.295	0.088	-0.098	-0.272	-0.03	-0.437	-0.087	-0.137
A015753_01	0.095	0.019	-0.103	0.225	0.025	-0.073	0.021	-0.104
A015757_01	-0.784	-0.806	-0.594	-0.182	-0.389	-0.455	-0.216 NA	
A015762_01	0.1	0.203	0.548	-0.131	-0.262	-0.482	0.198	-0.048
A015763_01	0.487 NA		0.185	-0.209	0.201 NA		0.063 NA	
A015772_01	0.244	0.09	0.519	0.288	-0.064 NA		0.265	0.167
A015776_01	0.092	0.051	-0.272	-0.116	0.337	0.311	-0.055	0.069
A015777_01	0.082	-0.071	0.244	0.105	0.233	0.044	0.235	0.077
A015778_01	0.107	0.176	0.017	-0.14	0.236	0.335	0.145	-0.035
A015779_01	0.274	0.135	0.004	-0.111	-0.435 NA		0.052	-0.022
A015780_01	0.266	0.365	0.176	-0.131	-0.032	0.032	-0.16 NA	
A015790_01	0.257	0.287	0.33	-0.027	0.187	0.306	0.055	0.054
A015793_01	-0.477	-0.883 NA	NA		-0.904	-1.265 NA	NA	
A015794_01	-0.253	-0.341	-0.409	-0.037	0.202	0.091	-0.056	-0.021
A015797_01	0.252	0.205	0.154	0.199	0.356	0.233	-0.266	-0.316
A015800_01	-0.43	-0.38	-0.074	0.282	0.009	-0.377	-0.219 NA	
A015805_01	0.234	0.207	-0.015	-0.038	0.102	-0.022	-0.348 NA	
A015822_01	0.636	0.714	0.091	0.159	0.044	0.408	-0.159	0.123
A015825_01	0.464	0.527	-0.136	0.219	0.083	0.204	-0.282	-0.264
A015827_01	0.281	0.347	0.428	-0.452	-0.059	-0.052	0.139	0.034
A015833_01	-0.032	-0.039	-0.569	-0.283	0.133	0.352	-0.212	-0.242
A015835_01	0.201	0.049	0.163	0.308	0.424	0.492	0.452	0.315
A015837_01	0.114	0.18	0.42	0.263	-0.179	-0.473	0.095	0.019
A015840_01	0.239	-0.021	0.271	0.352	-0.043	-0.373	0.047	-0.11
A015841_01	0.519	0.386	0.358	0.101	0.07	0.148	0.121 NA	
A015843_01	0.478	0.397	0.251	-0.683	0.22	0.477	0.283	0.184

A015844_01	0.395	0.055	0.361	0.204	0.223	0.105	-0.036	-0.211
A015850_01	0.214	0.142	0.221	0.777	0.214	0.372	-0.088	-0.148
A015856_01	-0.324 NA		0.001	-0.242	-0.255 NA		0	0.019
A015860_01	-0.966	-0.962	-1.155	-0.962	-2.108	-3.259	-2.523	-2.138
A015861_01	1.159	0.903	0.035	-0.348	0.27	0.062	0.143	-0.162
A015862_01	0.495	0.384	0.369	-0.122	0.183	0.352	0.171	0.139
A015864_01	0.172	-0.19	-0.069	0.355	-0.567 NA		-0.104	-0.127
A015866_01	0.111	0.275	0.44	0.759	0.308	0.455	0.364	0.131
A015870_01	-0.063	0.121	-0.064	-0.157	0.189	0.146	-0.297 NA	
A015874_01	0.275 NA		-0.011	-0.469	0.178	0.356	0.357	0.281
A015876_01	-0.328	-0.176	-0.113	0.163	-0.093	-0.075	-0.089 NA	
A015877_01	0.675	0.563	0.633	0.581	0.093	-0.101	0.503	0.231
A015878_01	-0.107	-0.39	-0.381	-0.432	-0.273	-0.373	-0.181	-0.326
A015879_01	0.505	0.249	0.694	0.145	0.653	0.452	0.427	0.291
A015881_01	-0.222	-0.167	0.083	-0.359	0.063	-0.088	0.024	-0.105
A015882_01	0.086	0.042	0.416	0.075	0.099	-0.137	0.228	0.034
A015883_01	-0.124	-0.264	-0.74	-0.966	-0.269	-0.283	-0.246	-0.126
A015892_01	-0.295	-0.121	-0.719	-0.382	-0.206	0.017	-0.101	0
A015893_01	-0.156	-0.077	-0.221	0.034	-0.406	-0.44	-0.209	-0.111
A015895_01	-0.267	-0.464	-0.034	0.112	-0.156	-0.445	-0.042	-0.112
A015896_01	-0.134	0.113	0.109	0.068	0.227	0.241	0.21	0.236
A015900_01	-0.475	-0.19	-0.266	-0.418	0.011	0.089	0.008	-0.042
A015904_01	-0.297	0.024	0.167	0.315	0.11	0.306	0.368	0.523
A015905_01	-1.023 NA		-0.182	-0.459	-0.499	-0.795	1.06	0.764
A015906_01	-0.036	-0.066	-0.342	-0.123	0.137	0	-0.012 NA	
A015910_01	0.046	-0.129	-0.111	-0.002	0.276	0.072	0.133	0.044
A015913_01	-0.269	-0.277	0.055	-0.215	0.25	0.042	0.173	-0.009
A015916_01	-0.145	-0.192	0.164	-0.091	0.175	0.035	-0.054	0.074
A015922_01	0.471	0.561	0.116	0.831	0.463	0.364	0.268 NA	
A015923_01	0.059	-0.029	0.361	0.141	0.206	-0.002	0.425	0.326
A015929_01	0.913	0.568	-0.254	-1.041	0.133	0.341	-0.106	-0.258
A015930_01	0.234	0.215	0.068	-0.218	0.111	0.273	0.287	-0.028
A015936_01	-0.363	-0.761	-0.26	-0.018	0.637	0.602	-1.003	-1.161
A015938_01	0.232	0.485	1.071	1.08	0.586	0.831	0.776	0.541
A015940_01	0.367	0.141	0.272	0.351	-0.061	-0.383	-0.1	-0.229
A015941_01	-0.17	-0.125	0.422	0.409	-0.173	-0.534	0.047 NA	
A015946_01	0.1	0.087	0.006	0.32	-0.15	-0.272	-0.108	-0.239
A015948_01	-0.456	-0.372	0.114	0.39	-1.461	-1.878	-0.716 NA	
A015954_01	-0.097	-0.07 NA	NA		-0.075	-0.104 NA		-0.056
A015955_01	-0.276	-0.153	0.304	0.035 NA		0.062	0.427	0.203
A015956_01	0.144	0.107	0.268	0.139	0.095	0.067	-0.106	0.054
A015958_01	-0.502	-0.43	-0.446	-0.127	-0.042	0.086	-0.063	-0.1
A015959_01	-0.1	-0.136	0.115	0.007	0.068	0.12	0.138	0.098
A015962_01	0.293	0.28	0.01	-0.944	0.31	0.478	-0.005	-0.086
A015963_01	-0.465	-0.7	0.081	-0.513	0.432	0.131	-0.067	-0.172
A015967_01	-3.24 NA	NA	NA		-2.344 NA		-0.844 NA	
A015968_01	0.159	0.126	0.159	0.248	0.025	0.054	-0.121	-0.199
A015972_01	0.144 NA		-0.063	-0.203	0.022 NA		-0.034	-0.095
A015973_01	0.052	0	0.149	-0.479	0.103	0.228	0.296	0.272
A015977_01	0.105	0.158	-0.074	-1.315	0.024	0.104	0.178	0.083
A015979_01	-0.52	-0.586	-0.285	-0.092	0.022	-0.11	-0.059	-0.122
A015980_01	0.168	0.196	0.25	0.32	0.205	0.204	0.206	0.282
A015982_01	0.6	0.456	0.035	0.391	-0.146	-0.104	-0.262	-0.31
A015984_01	-0.75	-0.563	-0.645	-1.121	-0.116	-0.088	-0.37	-0.308
A015986_01	-0.096 NA		-0.095	-0.328	0.203 NA		0.059 NA	
A015987_01	0.249	0.286	0.285	-0.033	0.092	0.064	-0.141	-0.202
A015988_01	0.212	0.266	0.171	0.16	-0.092	-0.292	-0.12 NA	
A015990_01	-0.165	-0.232	-0.149 NA		-0.051	-0.019	0.065	-0.004
A015995_01	0.408	0.423	0.278	0.001	0.257	0.141	-0.007	-0.009
A015996_01	-0.214 NA		-0.028	-0.337	-0.006 NA		0.195	0.259
A015997_01	-0.041	-0.104	0.044	0.449	-0.14	-0.353	-0.258	-0.302
A015998_01	0.179	0.285	0.186	-0.185	0.19	0.053	0.292	0.138
A016000_01	0.278	0.285	0.154	-0.506	0.308	0.183	0.25	-0.061
A016011_01	0.193	0.153	0.253	-0.398	0.184	0.137	0.026	-0.036
A016012_01	-0.145	-0.256	-0.24	0.093	-0.001	-0.259	0.073	0.019
A016019_01	0.342	0.234	0.232	0.17	-0.056	-0.216	0.065	0.041
A016020_01	0.013 NA		-0.012	-0.422	-0.025 NA		-0.002	0.085
A016021_01	-0.397	-0.392	-0.294	-0.136	0.151	0.123	0.02	-0.113

A016022_01	-0.179	-0.235	-0.21	0.111	-0.048	-0.163	-0.205	-0.271
A016023_01	0.43	0.441	0.265	0.07	0.083	0.04	-0.059	-0.022
A016028_01	-0.548	-0.34	0.112	0.307	-0.342	-0.356	-0.545	-0.464
A016029_01	-0.241	-0.45	-0.024	-0.298	-0.125	-0.398	-0.204	-0.124
A016033_01	0.817	0.646	0.054	0.164 NA	NA		-0.057	-0.008
A016034_01	0.92	0.765	1.416	1.475	0.945	1.277	0.699	0.623
A016035_01	-0.065	-0.1	-0.053	0.464	-0.09	-0.19	-0.149	-0.207
A016041_01	0.086	0.043	-0.032 NA		0.327	0.234	0.285 NA	
A016044_01	0.266 NA		0.595	0.396	0.183 NA		0.024	0.111
A016046_01	0.29	0.324	0.197	0.432	0.218	0.31	0.122	0.191
A016047_01	-0.037	-0.114	-0.438	-0.233	-0.103	-0.324	-0.263	-0.189
A016048_01	-0.396	-0.706	-0.436	-0.69	-0.101	-0.292	0.051	-0.246
A016051_01	-1.126	-1.235	-0.904	-0.716	-0.433	-0.565	0.136	0.094
A016052_01	0.387	0.433	0.131	0.049	0.186	0.169	-0.032	-0.254
A016055_01	-0.539	-0.505	-0.939	-1.092	-0.251	-0.376	-0.405	-0.28
A016059_01	0.103	0.164	0.133	-0.337	-0.018	-0.042	0.118	-0.006
A016062_01	-0.28	-0.325	-0.002	0.486	-0.206	-0.479	-0.001	-0.104
A016066_01	0.336	0.28	0.138	0.205	-0.2	-0.161	-0.049	-0.093
A016068_01	0.355	-0.047	0.014	0.152	0.182 NA		-0.02	-0.183
A016069_01	0.187	0.203	-0.108	0.029	-0.119	-0.076	-0.134	-0.066
A016070_01	0.236	0.214	0.254	-0.632	0.099	0.139	0.021	0.15
A016072_01	0.614	0.514	-0.021	-0.271	0.093	0.368	-0.058	-0.05
A016073_01	0.162	0.069	-0.313	0.184	-0.073	-0.153	-0.339	-0.143
A016075_01	0.581	0.562	0.237	-0.176	0.227	0.46	0.068	0.046
A016083_01	-1.505	-1.599	-0.647	-0.553	-1.732	-2.245	-1.163	-0.897
A016095_01	0.836	0.916	0.332	-0.021	0.365	0.387	0.174	0.079
A016099_01	0.062	0.048	-0.205	0.172	0.028	-0.048	-0.135	-0.269
A016101_01	0.09	0.02	-0.089	-0.057	0.3	0.259	0.01	0.056
A016103_01	0.254	0.303	0.169	-0.403	0.312	0.409	0.015	-0.05
A016104_01	0.266	0.235	0.267	0.14	-0.079	-0.185	-0.029	0.025
A016105_01	0.373	0.259	0.481	0.099	-0.148	-0.129	-0.036	0.155
A016108_01	-0.337	-0.46	0.124	-0.467	-0.126	-0.017	-0.075	-0.187
A016113_01	0.288	0.55	0.088	0.217	-0.031	0.13	-0.101	0.001
A016117_01	0.185	0.02	0.126	0.069	0.22	0.179	0.043	0.154
A016119_01	0.908	0.687	0.276	-0.799	0.238	0.419	0.212	0.1
A016120_01	-0.123 NA		-0.573	0.04	0.149	-0.177	-0.229 NA	
A016123_01	-0.335	-0.292	0.795	-0.076	-0.135	-0.199	0.138	0.169
A016125_01	-0.26	-0.411	-0.081	0.369	-0.044	-0.277	0.221	0.228
A016126_01	-0.084	-0.094	-0.153	0.594	0.072	-0.036	-0.31	-0.132
A016127_01	-0.843 NA	NA		-0.743	-0.363 NA		-0.408 NA	
A016130_01	0.161	-0.005	0.467	-0.072	-0.199	-0.178	0.178	0.002
A016131_01	0.029	-0.025	0.037	0.346	0.22	0.167	-0.073	-0.095
A016134_01	0.115	-0.082	-0.054	0.56	-0.019 NA		-0.195 NA	
A016139_01	0.327	0.355	0.407	-0.106	0.031	0.174	0.254	0.121
A016141_01	-0.022	-0.113	-0.198	-0.996	0.602	0.509	0.283	0.103
A016147_01	0.057	0.035	0.245	0.466	0.617	0.711	0.748	0.694
A016148_01	0.085	0.212	-0.214	-0.819	-0.063	0.595	-0.267	0.116
A016157_01	0.287	0.39	0.035	-0.237	0.203	0.193	-0.057	-0.143
A016163_01	-0.347	-0.592	-0.292	0.38	-0.229	-0.236	-0.214	-0.245
A016169_01	-0.069	-0.243	-0.276	-0.29	-0.244	-0.004	0.004	-0.072
A016172_01	-0.213	-0.278	-0.316	-0.086	-0.023	0.016	-0.013	0.075
A016173_01	0.197	0.011	0.145	0.81	0.088	-0.137	-0.394 NA	
A016174_01	-0.106	0.085	0.082	0.343	0.004	0.03	-0.117	0.044
A016175_01	-0.079	-0.236	0.417	0.385	-0.465	-0.981	-0.156	-0.186
A016177_01	0.299	0.311	0.861	0.535	0.082	0.011	0.78	0.445
A016183_01	-0.14	-0.111	-0.329	-0.055	-0.164	-0.37	-0.347	-0.232
A016186_01	-0.507	-0.511	-0.286	-0.553	0.086	0.052	-0.02	0.019
A016187_01	0.457	0.5	-0.248	0.129	-0.08	0.014	-0.275	-0.127
A016191_01	0.14	0.355	0.338	0.489	-0.02	0.001	0.198	0.219
A016192_01	-0.011	-0.077	-0.171	0.026	0.16	0.127	0.128	-0.068
A016193_01	0.109	0.185	-0.026	0.223	0.314	0.714	0.046	0.285
A016195_01	0.106	-0.248	0.001	0.409	0.202	-0.113	0.046	-0.273
A016197_01	0.069	-0.039	-0.049	0.259	-0.079	-0.23	-0.081 NA	
A016198_01	0.353	0.424	-0.143	0.201	-0.059	0.24	0.041	-0.161
A016199_01	0.561	0.349	0.317	-0.564	0.203	0.176	0.435	0.287
A016201_01	-0.375	-0.206	-0.054	0.017	-0.352	-0.434	-0.181	-0.089
A016202_01	0.654	0.666	0.002	0.104	0.197	0.465	-0.155	-0.121
A016207_01	-0.109	-0.076	0.18	0.14	0.075	0.033	0.184	0.234

A016209_01	0.326	0.602	0.365	0.603	0.441	0.831	0.35	0.384
A016210_01	0.491	0.274	-0.064	-0.359	0.308	0.504	-0.233	-0.377
A016211_01	-0.502	-0.497	-0.362	-0.134	-0.375	-0.623	-0.508	-0.428
A016215_01	-0.547	-0.731	0.048	-0.129	-0.263	-0.445	-0.243	-0.112
A016216_01	-0.188 NA		-0.937	-1.012	-0.19 NA		-0.614	-0.584
A016221_01	-0.641	-0.252	-0.165	-0.157	-0.189	0.03	-0.274	0.065
A016222_01	-0.484	-0.594	-0.851	-0.164	0.006	-0.109	0.061	0.063
A016226_01	0.318	0.102	-0.458	-0.193	-0.323	-0.105	-0.407	-0.465
A016227_01	0.162	0.259	0.526	0.688	0.553	0.522	0.71	0.676
A016229_01	-0.534	-0.4	-0.573	-0.925	-0.432	-0.239	0.016	0.069
A016232_01	0.111	-0.122	-0.169	0.201	0.096	-0.056	0.057 NA	
A016233_01	0.76	0.828	0.452	0.022	0.148	0.433	0.124	0.073
A016234_01	-1.042	-1.257	0.345	1.08	-0.036	-0.203	0.592 NA	
A016238_01	-2.205	-2.597	-2.194	-2.063	-2.098	-2.256	-1.293	-1.079
A016240_01	-0.325	-0.398 NA		-0.832	0.173	-0.042	0.008	-0.099
A016244_01	0.284	0.269	0.364	0.393	-0.045	0.013	-0.071	-0.13
A016247_01	0.092	-0.011	0.44	0.088	0.062	-0.039	0.372	0.255
A016250_01	-0.154	0.146	0.022	-0.143	-0.425	-0.067	-0.26 NA	
A016255_01	-0.508	-0.681	-0.229	-0.174	-0.106	-0.386	-0.122 NA	
A016260_01	0.121	0.141	0.129	-0.018	0.1	0.001	0.042	-0.203
A016266_01	-0.107	-0.318	-0.237	0.008	0.168	0.136	-0.312	-0.445
A016267_01	-0.374	-0.417	0.356	0.498	0.368	0.209	0.351	0.289
A016269_01	-0.305	-0.265 NA		-0.417	0.099	0.201	0.153	0.256
A016271_01	0.167	-0.027	0.168	0.091	0.294	0.248	0.204	-0.009
A016272_01	0.043	0.054	-0.036	-0.427	0.094	0.263	-0.06	-0.057
A016274_01	0.524	0.444	-0.027	0.163	0.265 NA		-0.04	0.024
A016275_01	0.094	0.005	0.267	-0.169	0.023	0.163	0.088	0.15
A016278_01	-0.023	-0.007	-0.951	-0.744	-0.56	-0.505	-0.77	-0.569
A016281_01	-0.076	0.112	-0.148	0.278	0.14	0.65	0.293	0.354
A016282_01	-0.98	-1.358 NA	NA		-0.12	-0.475	-0.142 NA	
A016283_01	0.098	0.266	0.048	-0.162	0.118	-0.005	0.01	-0.14
A016285_01	0.242	0.128	0.49	0.317	0.308	0.169	-0.018	-0.033
A016286_01	0.045	-0.155 NA	NA		0.156	0.036	0.202 NA	
A016291_01	-0.279	-0.299	-0.109	0.082	0.086	-0.147	-0.096	-0.157
A016297_01	0.248	0.509	0.017	0.116	-0.152	0.128	-0.493 NA	
A016301_01	0.325	0.339	-0.157	-0.085	0.031	0.187	-0.036	-0.049
A016303_01	-0.1	-0.086	-0.39	-0.175	-0.222	-0.308	-0.178	-0.191
A016306_01	0.136	0.174	0.106	0.326	-0.055	-0.187	-0.043	-0.116
A016309_01	0.036	0.262	-0.006	0.124	0.071	0.108	0.04	-0.006
A016312_01	0.022	0.026	0.166	-0.396	0.13	0.037	0.182	0.004
A016314_01	-0.11	-0.22	-0.118	-0.114	0.019	-0.063	0.058	0.065
A016316_01	0.388	0.56	0.338	0.105	0.14	0.107	0.128 NA	
A016317_01	0.012	-0.012	-0.044	-0.028	-0.05	-0.083	-0.191	-0.131
A016319_01	0.751	0.678	0.936	1.255	0.744	0.723	0.255	0.054
A016320_01	-0.147	-0.28	-0.372	-0.001	-0.01	-0.123	-0.217	-0.15
A016321_01	0.158	-0.029	-0.142	-1.427	0.005	-0.041	-0.177	-0.314
A016322_01	0.328	0.783	0.153	0.377	0.086	0.077	-0.61	-0.459
A016323_01	-0.223	-0.362	-0.244	-0.255	-0.158	-0.137	0.081	0.027
A016324_01	0.646	0.62	0.826	1.44	0.575	0.617	-0.24	-0.166
A016325_01	0.203	0.152	-0.324	-0.136	-0.008	0.024	-0.114	-0.08
A016327_01	0.004	-0.003	0.063	0.251	0.041	0.206	0.172	0.11
A016330_01	-0.088	-0.216	0.031	-0.46	0.297	0.149	-0.005	-0.132
A016331_01	-0.063	0.087	0.295	0.288	-0.06	-0.181	0.001	0.111
A016332_01	-0.164	0.032	-0.741	0.556	0.171	0.141	-0.473 NA	
A016333_01	-0.333 NA	NA	NA		0.161	-0.174	0.29	-0.021
A016335_01	0.639	0.52	0.263	0.657	0.054	-0.122	0.005	-0.158
A016337_01	-1.099	-1.331	-0.528	-0.419	-0.447	-0.471	0.004	0.021
A016340_01	-0.477	-0.684	-0.145 NA		-0.063	-0.274	-0.092 NA	
A016344_01	0.392	0.361	-0.078	0.232	-0.083	-0.149	-0.172	-0.272
A016347_01	0.529 NA		-0.193	-0.409	0.164 NA		-0.125	-0.291
A016351_01	0.047	0.051	-0.059	0.017	-0.083	-0.132	-0.06 NA	
A016354_01	0.05	0.03	0.365	-0.081	0.254	0.052	0.115	-0.039
A016359_01	0.665	0.459	0.452	0.612	0.532	0.783	0.404	0.199
A016360_01	0.068	0.262	-0.031	0.102	-0.103	0.09	-0.001	0.101
A016362_01	0.667	0.589	0.526	0.175	0.416	0.359	0.176 NA	
A016363_01	0.207	0.04	0.157	-0.238	0.164	0.153	0.236	0.007
A016364_01	0.375	-0.018	0.309	-0.421	0.335	0.474	-0.575	-0.431
A016367_01	0.411	0.198	-0.546	-0.478	-0.221	0.218	-0.315	-0.189

A016368_01	0.033	0.329	-0.495	-1.348	0.29	0.968	-0.633	-0.62
A016369_01	0.323	0.351	-0.03	0.349	0.236	0.204	0.191	0.01
A016370_01	-0.417	-0.257	0.113	-0.533	0.056	0.073	-0.022	0.022
A016372_01	0.644	0.794	0.862	0.104	-0.027	0.102	-0.151	-0.141
A016373_01	0.729	0.55	-0.128	-0.013	0.247	0.263	-0.206	-0.475
A016374_01	-0.256	-0.313	0.242	-0.201	-0.171	-0.341	-0.035	-0.029
A016376_01	0.053	0.038	0.525	0.126	-0.147	-0.271	-0.018	0.038
A016378_01	0.094	-0.027	0.255	0.05	0.186	0.016	0.106	-0.332
A016380_01	0.016	-0.091	-0.448	0.012	0.075	-0.058	-0.193 NA	
A016382_01	0.736	0.435	-0.305	-0.506	0.236	0.164	-0.138	-0.183
A016383_01	-0.073	0.097	0.307	-0.062	-0.009	0.182	0.052	0.089
A016384_01	0.113	0.102	0.275	0.19	0.066	-0.048	-0.025	-0.049
A016385_01	-0.133	-0.367	-0.199	-0.179	0.177	-0.061	-0.238	-0.416
A016390_01	0.1	0.013	-0.095	-0.055	-0.185	-0.295	-0.085	-0.087
A016393_01	-1.297	-1.646	-0.893	-1.094	-0.199	-0.263	-0.024	0.093
A016394_01	0.47	0.252	0.157	-0.041	0.222	0.455	0.045	-0.017
A016399_01	-0.126	-0.337	0.264	0.252	-0.189	-0.308	-0.114	-0.156
A016402_01	-4.425	-4.147	-1.915	-2.629	-3.706	-3.731	-1.77	-1.146
A016407_01	0.247	-0.005	0.216	0.035	0.425	0.383	0.336	0.119
A016408_01	0.468	0.483	0.155	-0.244	0.361	0.385	0.042	-0.028
A016411_01	0.123	0.327	0.119	-0.336	-0.191	0.075	-0.244	0.017
A016412_01	0.852	0.524	0.053	-0.349	0.214	0.327	0.191	0.085
A016416_01	-0.141	0.108	-0.192	-0.158	0.177	0.439	-0.264 NA	
A016417_01	0.217	0.231	0.547	0.058	0.355	0.461	0.121	0.05
A016419_01	0.054 NA		-0.017	-0.233	-0.148 NA		0.124	0.276
A016420_01	0.935	0.733	0.028	0.568	0.266	0.463	-0.004	-0.012
A016421_01	0.442	0.365	-0.385	-0.512	0.141	0.294	-0.068	-0.119
A016422_01	0.747	0.501	0.148	0.051	-0.211	0.383	0.104	-0.059
A016423_01	-0.602	-0.563	-0.647	-0.522	-0.257	-0.21	-0.205 NA	
A016425_01	-0.177	0.069	-0.079	-0.706	-0.054	0.138	-0.193	-0.243
A016426_01	-0.574	-0.284	-0.235	-0.03	-0.084	0.013	-0.249	0.018
A016431_01	-0.291	-0.605	-0.576	0.142	-0.179	-0.532	-0.217	-0.243
A016432_01	0.551	0.558	0.432	-0.203	0.292	-0.098	0.09	-0.139
A016442_01	-0.803	-0.86 NA		NA	-0.008	-0.032	0.641	0.205
A016443_01	-0.124	-0.165	0.038	-0.221	-0.106	0.039	0.068	-0.017
A016444_01	0.457	0.329	0.174	0.048	0.078	0.161	-0.047	-0.287
A016446_01	-1.55	-2.127	-0.491	-0.723	-1.797	-2.272	-3.816 NA	
A016447_01	-0.327 NA		0.058	-0.027	-0.208 NA		0.148	-0.084
A016449_01	0.303	0.14	0.317	-0.211	0.521	0.386	0.288	0.138
A016453_01	0.572	0.447	0.012	0.006	0.112	0.1	0.006	-0.124
A016456_01	0.329 NA		0.022	0.017	0.353 NA		0.139	-0.117
A016458_01	-0.316	0.009	-0.475	0.477	-0.149	-0.246	-0.051	-0.154
A016459_01	0.604	0.389	0.082	-0.416	0.13	0.215	0.217	0.093
A016460_01	0.133	0.121	0.482	0.001	-0.008	-0.037	0.183 NA	
A016462_01	-1.581 NA		-2.465 NA		-1.418	-1.594	-0.565	-0.396
A016463_01	-0.537	-0.869	-1.049	-0.713	-0.47	-0.514	-0.397	-0.521
A016465_01	0.202	0.028	0.262	-0.009	0.078	0.08	0.14	-0.052
A016466_01	0.212	0.145	0.382	0.527	-0.231	-0.441	-0.12	-0.245
A016472_01	-0.868	-0.83 NA		NA	0.01	-0.068	0.039 NA	
A016473_01	-1.246	-0.978	-0.14	-0.406	-0.891	-0.843	-0.419	-0.287
A016476_01	-0.444	-0.862	-1.164	-1.411	-1.072 NA		-0.379	-0.315
A016478_01	0.528	0.37	0.123	0.021	0.115	-0.014	0.123	-0.073
A016483_01	0.435	0.24	-0.183	0.221	0.085	-0.056	-0.15	-0.2
A016484_01	-0.164	-0.607	0.009	0.606	-0.186	-0.448	-0.038	-0.284
A016494_01	-0.024	-0.271	0.335	0.046	0.112	-0.255	-0.07 NA	
A016502_01	-0.044	0.201	0.436	0.62	0.252	0.246	0.098	0.166
A016509_01	-0.199	-0.47	0.393	0.638	-0.129	-0.425	-0.138	-0.174
A016510_01	0.31	0.197	0.69	0.259	-0.202	-0.43	0.388	0.375
A016511_01	-0.496	-0.435	-0.054	-0.151	-0.202	-0.011	-0.01	0.157
A016514_01	0.108	0.072	0.002	0.125	-0.02 NA		0.055	-0.083
A016516_01	0.412	0.267	0.211	-0.561	0.342	0.312	0.21	-0.01
A016520_01	-0.743 NA		NA	-0.118	-0.047 NA		0.188	0.101
A016536_01	-0.434	-0.912	-1.269	-0.925	-0.562	-1.062	-0.983	-0.722
A016553_01	-0.321	-0.292	0.059	-0.051	-0.017	-0.027	0.195	0.047
A016565_01	-0.314	-0.508	-0.375	0.184	-0.108	-0.222	-0.177 NA	
A016567_01	0.095	0.112	0.198	-0.067 NA		NA	0.017	0.077
A016575_01	-1.385	-1.569	-0.002	-0.372	-0.554	-0.625	0.305	0.255
A016578_01	-1.356	-1.879	-0.852 NA		-1.358	-1.91	0.255	0.07

A016580_01	-0.531	-0.605	-0.216	-0.002	-0.102	-0.163	-0.021	-0.067
A016585_01	0.742	0.645	0.409	-0.099	0.197	0.244	0.092	0.024
A016586_01	0.041	-0.282	-0.565	-0.236	-0.72 NA		-0.47	-0.456
A016588_01	-2.819	-3.161	-1.284	-1.554	-1.837	-2.423	0.324	0.404
A016591_01	0.185	0.263	0.083	0.251	-0.109	-0.161	-0.093	-0.116
A016592_01	-0.054	-0.143	0.095	-0.254	0.2	0.101	0.024	-0.144
A016597_01	0.105	0.089	0.293	0.742	0.336	0.234	-0.208	-0.26
A016605_01	0.084	-0.136	0.047	-0.146	0.204	0.169	0.151	-0.011
A016612_01	-0.217	-0.23	-0.081	-0.197	0.205	-0.007	-0.025 NA	
A016615_01	-2.335	-2.626 NA		-1.968	-1.562	-1.933	-1.64	-1.177
A016618_01	0.323	0.119	-0.408	-0.847	0.059	-0.067	-0.614	-0.603
A016623_01	-0.107	0.076	-0.008	-0.1	0.027	-0.193	-0.085	0.024
A016625_01	-0.136	-0.137	-0.286	0.086	-0.167	-0.495	-0.242	-0.27
A016628_01	-1.012	-1.534	-0.41	-0.675	-0.448	-0.602	-0.255	-0.376
A016631_01	0.127	-0.086	-0.021	0.228	-0.019	-0.2	-0.039	-0.134
A016633_01	0.307	0.367	0.532	0.094	-0.013	0.059	-0.005	-0.14
A016638_01	-0.115	-0.191	-0.095	-0.061	0.023	-0.025	0.048	-0.04
A016644_01	-0.451	-0.674	-0.288	-0.435	0.352	0.171	0.436	0.023
A016645_01	-0.191	-0.191	0.243	-0.343 NA		0.126	0.173	-0.065
A016649_01	0.487	0.235	-0.001	-0.217	0.085	0.092	-0.004	-0.121
A016650_01	-0.191	-0.529	0.112	0.182	-0.15	-0.514	-0.236	-0.128
A016651_01	0.151	0.061	0.049	-0.439	0.286	0.056	0.046	-0.158
A016652_01	-0.524	-0.718	-0.114	-0.487	-0.359	-0.396	-0.522	-0.509
A016656_01	-0.228	-0.128	-0.114	-0.03	-0.006	0.025	-0.167	-0.21
A016658_01	0.332 NA		-0.627	-0.271 NA	NA		0.047	-0.105
A016661_01	0.555	0.536	0.251	-0.709	0.418	0.54	0.332	0.28
A016662_01	0.456	0.416	0.348	0.15	0.087	0.023	0.004	-0.018
A016664_01	0.254	0.212	0.575	0.121	0.145	-0.057	0.099	0.135
A016665_01	0.542	0.372	-0.194	0.431 NA	NA		-0.077	0.031
A016673_01	0.508	0.291	0.875	0.851	0.112	0.013	0.525	0.125
A016676_01	0.396	0.299	0.334	0.841	-0.646	-1.263	-0.181	-0.409
A016682_01	-0.519	-0.582	0.106	0.256	0.184	0.014	0.159	-0.134
A016696_01	0.007	-0.122	-0.286	-0.028	-0.061	-0.075	-0.001	-0.259
A016697_01	0.173	0.214	0.316	0.02	0.298	0.468	0.282	0.061
A016703_01	-0.108	-0.032	0.151	-0.136	0.098	0.219	-0.071	-0.099
A016705_01	-0.559	-0.42	-0.513	0.238	-0.394	-0.425	-0.281	-0.141
A016715_01	-0.255	-0.375 NA		0.282	-0.097	0.002	-0.172	-0.003
A016721_01	-0.823	-0.425 NA		0.26	-0.288 NA		0.016	0.064
A016723_01	0.5	0.577	0.08	-0.234	-0.093 NA		0.259	-0.144
A016728_01	-0.071	-0.037	0.075	0.59	0.218	0.056	-0.103	-0.179
A016731_01	-0.478	-0.354	-0.165	-0.33	-0.101	-0.115	-0.221	-0.323
A016735_01	-0.28	-0.57	-0.417	-0.185	0.072	-0.188	0.194	-0.094
A016736_01	-0.561	-0.693	-0.22	-0.097	-0.271	-0.885	0.024 NA	
A016738_01	-0.021	-0.206	-0.498	-0.008	-0.017	-0.206	0.031	0.096
A016740_01	0.351	0.147	0.018	-0.466	0.223	0.295	0.103	0.066
A016742_01	-0.373	-0.241	0.011	0.138	0.019	0.02	0.144	0.076
A016750_01	0.156	0.115	-0.543	-0.551	0.061	0.187	-0.3	-0.181
A016751_01	-0.235	-0.296	-0.186	0.008	-0.17	-0.299	-0.201	-0.098
A016752_01	0.026	-0.052	0.049	-0.295	0.187	0.022	0.133	0.084
A016754_01	0.425	0.095	0.312	0.404	-0.45	-1.099	-0.949 NA	
A016756_01	0.24	0.018	-0.264	-0.109	0.052	0.161	-0.116	-0.167
A016761_01	0.339	0.355	0.452	0.937	0.199	0.173	0.038	0.083
A016762_01	-1.131	-1.483	-1.914	-1.971	-0.836	-1.273	-0.382	-0.306
A016767_01	-0.395	-0.104	-0.104	0.417	-0.097	-0.09	-0.166 NA	
A016786_01	0.401	0.312	0.14	-0.253	0.05	0.376	0.343	0.227
A016794_01	0.026	-0.321	-0.233	0.224	0.06 NA		-0.096	-0.083
A016797_01	-0.465	-0.58	-0.263	0.185	-0.165	-0.256	-0.112	-0.127
A016803_01	0.095	0.113	0.103	0.023	0.159	0.114	0.291 NA	
A016804_01	-0.009	0.042	0.132	-0.271	0.019	0.012	-0.083	-0.108
A016809_01	0.166	-0.014	-0.055	-0.384	0.122	0.111	-0.095 NA	
A016812_01	0.007	-0.163	0.635	0.113	0.318	0.162	0.208	0.109
A016813_01	0.667	0.653	0.218	-0.405	0.313 NA		0.071	0.019
A016817_01	0.662	0.531	0.062	0.63	0.116	0.041	-0.383	-0.335
A016820_01	0.274	-0.006	-0.016	-0.201	0.103	-0.033	0.26	0.144
A016827_01	0.163	-0.076	0.375	0.262	-0.077	-0.297	-0.261	-0.301
A016830_01	-0.063	-0.251	0.045	-1.236	0.099	0.19	-0.049	-0.076
A016832_01	-0.257	-0.2	-0.01	0.365	-0.053	-0.388	-0.244 NA	
A016836_01	-1.322	-1.444	-0.699	-0.867	-0.576	-0.706	-0.207	-0.13

A016838_01	-0.311	-0.237	0.172	-0.184	0.183	0.053	-0.327	-0.174
A016839_01	-1.107	-1.113	-0.847	-0.633	-0.216	-0.22	0.043	-0.037
A016845_01	0.645 NA		0.335	-0.604 NA	NA		0.389	0.251
A016847_01	0.419	0.267	0.543	0.674	0.206	0.018	-0.695	-0.498
A016851_01	0.329	0.222	-0.117	0.087	0.488	0.49	-0.035	-0.097
A016853_01	-0.633	-0.651	-0.302	0.144	-0.6	-0.491	-0.131	0.083
A016860_01	-0.003	0.026	0.261	0.735	-0.054	-0.36	0.218 NA	
A016868_01	0.26	0.141	0.001	-0.375	0.329 NA		0.006 NA	
A016869_01	0.235	0.36	0.171	0.309	0.033	-0.076	-0.185	-0.098
A016873_01	-0.034	-0.064	-0.214	0.195	0.054	-0.05	-0.082	-0.106
A016875_01	0.232	0.152	-0.029	-0.398	0.091	-0.008	-0.022	-0.216
A016880_01	0.636	0.536	-0.069	-0.364	0.183	0.262	0.111 NA	
A016883_01	-0.147	-0.392	-0.245	0.366	0.114	-0.206	-0.099	-0.315
A016884_01	0.437	0.327	0.57	0.511	0.492	0.345	0.004	-0.001
A016886_01	0.476	0.577 NA	NA		0.001	0.062 NA	NA	
A016888_01	-0.254 NA		0.213	-0.156	-0.483 NA		-0.053	0.086
A016894_01	0.381	0.197	0.229	-0.409	0.346	0.305	0.189	-0.111
A016897_01	0.05	-0.09	0.237	0.321	0.061	-0.11	-0.06	-0.177
A016898_01	-0.714	-0.593	-0.754	-1.147	-0.453	-0.526	-0.832	-0.71
A016900_01	-0.166	-0.123	0.102	0.25	0.013	-0.022	0.126	0.125
A016901_01	-0.011	-0.258	0.038	0.111	0.015	-0.179	0.155	-0.002
A016902_01	-0.32	-0.463	-0.036	-0.266	-0.042	-0.309	-0.131	-0.17
A016904_01	-0.672	-0.669	-0.454	-0.696	-0.199	-0.159	-0.01	-0.068
A016905_01	0.381	0.496	0.207	0.174	0.122	0.141	0.161	0.059
A016907_01	-0.283	-0.378	0.042 NA		-0.126	-0.495	-0.142 NA	
A016909_01	0.175	-0.109	-0.138	0.516	0.287	0.087	-0.022	-0.234
A016913_01	-0.079	-0.131	0.013	-0.347	-0.218	-0.216	0.026	0.094
A016914_01	-0.453	-0.549	-0.073	-0.073	-0.208	-0.371	-0.263	-0.132
A016915_01	-0.201	-0.562	-0.313	0.328	-0.067	-0.207	-0.071	-0.248
A016922_01	-0.215	-0.265	-0.144	-0.001	-0.15	-0.271	-0.487	-0.333
A016923_01	0.079	-0.166	-0.067	-0.309	0.122	0.009	0.021	-0.089
A016924_01	0.248	0.544	0.554	0.386	0.654	0.92	0.416	0.435
A016925_01	-0.684	-1.018	-0.714	-0.521	-0.503	-0.758	0.019	-0.045
A016926_01	0.266	0.136	-0.37	0.348	0.052	0.053	-0.161	0.001
A016929_01	-0.12	-0.161	-0.149	0.324	0.035	-0.251	-0.131	-0.281
A016930_01	-0.602	-0.694	-0.719	-1.313	-0.308	-0.421	-0.418	-0.322
A016931_01	-0.274	0.023	0.088	-0.477	-0.038	0.205	-0.015 NA	
A016933_01	-0.347	-0.205	-0.217	-0.042	-0.171	-0.154	-0.055	-0.034
A016936_01	0.143	0.058	-0.023	0.239	-0.059	0.122	0.148	0.437
A016937_01	0.597	0.657	0.126	-0.203	0.363	0.781	0.429	0.368
A016941_01	-0.082	-0.007	0.109	-0.073	-0.054	0.065	-0.145	-0.094
A016943_01	-0.348	-0.502	-0.254	-0.107	-0.091	-0.216	0.029	0.053
A016946_01	0.164	0.202	0.323	0.555	0.454	0.725	0.05	0.008
A016947_01	0.256	0.318	0.033	0.126	0.067	0.066	0.06	-0.102
A016949_01	0.629	0.601	0.488	0.379	-0.467	-0.67	0.129	-0.011
A016950_01	-0.257	-0.57	0.101	-0.348	0.108	-0.381	0.276	0.101
A016951_01	-1.536	-1.55	-0.905	-0.563	-0.735	-0.942	-0.341 NA	
A016952_01	0.336	0.159	0.035	-0.393	0.143	0.066	0.043	-0.054
A016954_01	0.593	0.522	0.045	0.125	0.259	0.357	-0.11	-0.087
A016955_01	-0.338	-0.413	-0.307	-0.177	-0.007	-0.187	-0.199	-0.35
A016956_01	0.231	0.32	-0.591	-1.045	0.32	0.353	-0.035	-0.205
A016959_01	0.117	0.157	-0.261	-0.576	0.229	0.241	0.17	0.078
A016960_01	0.385	0.322	-0.279	-0.667	0.135 NA		0.032	-0.107
A016966_01	0.116	0.028	0.025	0.48	-0.17	-0.247	-0.278	-0.175
A016967_01	-0.318 NA		-0.101	0.246	0.47 NA		0.48	0.345
A016969_01	-0.299	-0.426	-0.157	-0.118	-0.289	-0.334	0.161	-0.01
A016971_01	-0.123	-0.419	-0.512	-0.383	0.319	0.23	-1.312	-1.095
A016976_01	0.11	-0.172	0.004	0.271	0.217	0.085	0.522	0.12
A016977_01	0.543	0.381	0.25	0.562	0.248	0.076	-0.833	-0.607
A016978_01	-0.024	0.2	-0.28	-0.079	0.204	0.297	0.06	-0.069
A016979_01	-0.138	-0.215	0.031	-0.087	-0.274	-0.633	-0.135	-0.217
A016980_01	0.954	0.944	0.331	0.121	0.035	0.082	-0.033	-0.13
A016984_01	0.139	0.023	0.218	-0.165	0.3	0.06	0.45	0.172
A016987_01	-0.143	-0.164	0.03	-0.147	-0.048	-0.041	0.217	0.018
A016991_01	-0.455	-0.504	-0.065	-0.258	-0.248	-0.452	-0.127	-0.129
A016997_01	0.398	0.279	-0.07	-0.005	0.281	0.08	-0.171	-0.264
A017000_01	0.057	-0.028	0.106	0.323	0.222	0.192	0.175	-0.056
A017002_01	0.241	0.097	-0.163	-0.248	0.225	0.092	0.086	-0.124

A017003_01	-1.1	-0.88	-0.288	-0.485	-0.406	-0.301	-0.154	-0.045
A017004_01	0.198	0.161	-0.027	-0.35	0.075	0.162	0.073	0.027
A017008_01	-0.138 NA		0.108	-0.093	0.109 NA		-0.008	-0.102
A017010_01	0.507	0.302	-0.186	0.111	-0.102	0.035	-0.168	-0.234
A017012_01	0.195	0.111	0.139	0.196	0.213	0.182	0.011	-0.094
A017013_01	-0.237	-0.025	-0.093	0.01	0.083	0.193	0.119	0.234
A017015_01	0.291	0.21	-0.199	0.312	-0.011	-0.135	-0.093	-0.12
A017016_01	0.551	0.376	-0.103	0.267	-0.397	-0.48	-0.493	-0.336
A017020_01	0.157	-0.042	-0.654	-0.603	0.026	0.024	0.044	-0.192
A017021_01	-0.138	-0.166	-0.058	-0.273	0.079	-0.096	0.056	-0.255
A017022_01	0.199	0.086	0.058	0.966	0.046	-0.042	0.138	-0.06
A017024_01	0.046	-0.023	-0.195	-0.094	-0.038	0.191	0.02	0.055
A017025_01	-0.167 NA	NA		0.02	0.001 NA		-0.036	-0.114
A017026_01	0.076	0.155	-0.298	-0.105	-0.221	-0.051	-0.131	-0.146
A017028_01	0.177	0.046	0.117	0.379	-0.085	-0.488	-0.142	-0.38
A017031_01	0.394	0.253	0.109	0.03	-0.002	-0.074	-0.06	-0.124
A017032_01	-0.244	-0.151	-0.159	-0.376	-0.072	-0.186	-0.263	-0.301
A017034_01	-0.641	-0.65	-0.44	0.116	-0.384	-0.263	0.101	0.159
A017035_01	-0.267	-0.422	-0.607	-0.684	0.27	0	-0.131	-0.288
A017036_01	-0.039	-0.039	-0.146	-0.161	0.202	0.291	-0.042	-0.122
A017037_01	-0.082	-0.046	0.147	-0.384	0.114	0.043	0.148	0.033
A017038_01	0.557	0.332	0.628	1.044	-1.963	-1.922	-1.183	-0.902
A017040_01	0.603	0.673	0.289	-0.269	0.037	0.504	0.057	0.072
A017041_01	0.406	0.319	0.188	-0.42	0.174	0.409	0.155	0.178
A017042_01	-0.135	-0.236	-0.054	-0.013	-0.476	-0.909	-0.389	-0.521
A017044_01	0.164	0.009	-0.01	-1.185	0.256	0.441	0.113	0.059
A017045_01	-0.111	0.118	-0.024	0.114	0.036	0.043	-0.084	0.006
A017046_01	-1.122	-1.224	-1.131	-0.446	-0.368	-0.337	-0.33 NA	
A017048_01	0.123	0.09	-0.032	0.165	-0.27	-0.279	-0.286	-0.348
A017049_01	0.252	0.259	0.539	0.36	-0.061	-0.332	0.1	-0.076
A017051_01	0.053	0.101	0.21	-0.056	0.062	-0.056	0.018	-0.106
A017053_01	0.163	0.254	0.101	0.024	0.29	0.029	-0.09	-0.154
A017056_01	-0.001 NA		-0.12	-0.871	0.021 NA		0.313	0.383
A017057_01	0.511	0.552	0.119	-0.342	-0.086 NA		0.085	0.214
A017059_01	-0.663	-0.526	-0.143	-0.248	-0.142	-0.226	-0.186	-0.005
A017063_01	0.159	0.401	-0.059	0.439	0.105	-0.001	-0.263	-0.254
A017064_01	-0.477	-0.344	-0.262	-0.329	-0.183	-0.242	-0.412 NA	
A017068_01	-0.294	-0.223	-0.485	-0.093	-0.239	-0.082	-0.16	-0.014
A017069_01	-1.839	-1.698	-0.67	-0.495	-0.761	-0.445	-0.298	-0.065
A017071_01	0.073 NA		-0.069	-0.368 NA	NA		0.243	0.065
A017072_01	0.85	0.877	0.093	-0.085	0.032	0.461	0.013	0.034
A017073_01	-1.055	-0.975	-0.69	-0.637	-0.164	0.004	-0.13	-0.074
A017075_01	0.105	0.06	0.265	-0.302	0.213	0.004	0.37	0.179
A017079_01	-0.097	-0.191	0.187	0.099	0.129	0.092	0.142	-0.065
A017080_01	0.163	0.302	0.389	0.317	0.226	0.211	0.058	0.009
A017083_01	0.168	0.06	0.2	0.366	-0.086	-0.533	-0.193	-0.207
A017087_01	-0.643	-0.701	0.005	-0.356	-0.364	-0.355	0.439	0.451
A017088_01	-0.188	-0.424	-0.187	0.227	-0.137	-0.641	0.513	0.46
A017091_01	0.643	0.282	0.046	0.134	0.236	0.038	0.109	-0.037
A017092_01	0.193	-0.02	0.055	0.586	-0.324	-0.766	-0.471	-0.41
A017095_01	0.361 NA		0.103	0.391	-0.186 NA		-0.218	-0.26
A017096_01	0.17	0.128	-0.484	-0.745	0.355	0.477	0.002	-0.091
A017098_01	0.482	0.509	0.328	0.249	0.199	0.492	-0.211	-0.138
A017099_01	0.406	0.177	-0.112	-0.12	0.194	0.337	-0.012	-0.105
A017100_01	-0.221	-0.184	-0.09	-0.168	-0.01	0.236	-0.003	-0.216
A017108_01	0.148	-0.136	0.522	0.413	0.224 NA		0.023	-0.027
A017114_01	0.022	0.017	0.227	-0.267	0.146	0.067	0.097	-0.086
A017115_01	0.321	0.367	-0.1	-0.83	0.448	0.358	0.083	-0.019
A017116_01	0.558	0.378	0.604	0.447	0.185	0.084	0.384	0.133
A017117_01	0.475	0.261	0.305	0.348	-0.411	-0.488	-0.524	-0.334
A017120_01	-0.255	0.032	-0.284	-0.335	0.026	0.265	0.063	0.192
A017122_01	-0.404	-1.072	-0.73	-0.359	-0.024	-0.416	-0.072	-0.094
A017127_01	-0.795	-0.743	-0.264	0.07	-0.407	-0.32	-0.18	-0.106
A017128_01	-0.489	-0.38	-0.701	-0.497	-0.083	0.069	-0.279	-0.243
A017130_01	0.542	0.424	0.124	-0.278	0.135	0.531	0.105	-0.041
A017135_01	-0.204	-0.353	-1.074	-0.603	-0.206	-0.295	-0.524	-0.506
A017138_01	0.063	-0.038	0.139	-0.199	0.234	0.275	0.362	0.19
A017139_01	-0.163	-0.048	0.423	0.255	-0.11	-0.104	-0.026	-0.122

A017140_01	-0.625	-0.527	-0.072	-0.121	-0.362	-0.305	-0.254	0.035
A017142_01	-0.279	0.005	-0.371	0.321	0.03	0.064	0.051	0.196
A017149_01	0.268	0.153	0.321	0.153	-0.079	-0.164	-0.027	-0.049
A017151_01	-0.057 NA		-0.175	-0.076	-0.098 NA		-0.203 NA	
A017153_01	0.594	0.489	-0.228	-0.967	0.09 NA		-0.266 NA	
A017160_01	-0.818	-0.845	-0.865	-1.161	-0.349	-0.365	0.024	-0.069
A017162_01	-0.241	-0.116	-0.218	-0.217	-0.137	0.177	0.148	0.191
A017173_01	-0.212	-0.177	0.19	0.329	0.347 NA		0.253	0.096
A017174_01	0.104	-0.067	0.203	-0.315	-0.105	-0.191	0.181	0.122
A017178_01	-0.078	-0.256	-0.205	-0.25	-0.015	-0.065	-0.166	-0.267
A017185_01	0.079	-0.109	0.178	0.901	0.297	0.221	0.216	-0.023
A017192_01	-0.012	0.158	0.297	-0.262	-0.053	-0.033	0.106	0.121
A017194_01	0.539	0.521	0.021	0.459	0.147	0.217	-0.067	-0.128
A017195_01	0.55	0.697	0.931	0.833 NA		0.115	0.643	0.751
A017207_01	0.203	0.087	-0.12	-0.068	-0.056	-0.011	-0.265	-0.397
A017227_01	0.339	0.529	-0.487	0.141	-0.029	-0.102	-0.21	-0.092
A017229_01	-0.426	-0.297	-0.287	-0.177	-0.338	-0.672	-0.083	-0.106
A017235_01	0.193	0.064	0.071	0.193	0.15	0.098	0.057	0.085
A017240_01	-0.278	-0.324	0.065	-0.253	-0.004	-0.133	0.143	-0.12
A017247_01	-0.887 NA	NA	NA		-0.506	-0.424 NA	NA	
A017250_01	0.249	0.599	0.448	-0.788	0.162	0.669	0.538	0.818
A017257_01	-0.148	0.05	0.07	0.355	0.027	-0.096	-0.283	-0.09
A017258_01	-0.042	-0.079	0.094	-0.111	0.244	0.211	0.237	0.141
A017259_01	0.372	0.397	0.259	0.518	0.554	0.5	0.113	-0.136
A017261_01	0.349	0.226	0.383	0.323	0.189	0.05	0.068	-0.027
A017265_01	0.14	0.097	-0.015	-0.06	0.162	0.246	-0.013	0.017
A017266_01	0.271	0.141	-0.116 NA		-0.018	-0.074	-0.272 NA	
A017267_01	-0.009	-0.177	0.418	-0.171	0.152	0.061	0.12	0.008
A017268_01	0.07	0.031	0.066	-0.173	0.115	0.088	0.767	0.435
A017274_01	-0.018	0.029	0.196	0.209	-0.091	0.002	0.061	0.088
A017277_01	0.022	-0.109	-0.045	-0.297	0.151	0.16	0.284	0.208
A017279_01	-0.5	-0.53	-0.411	-0.025	-0.036	-0.019	0.695	0.395
A017280_01	-0.025	0.007	0.094	-0.129	0.134	0.084	0.206	0.099
A017284_01	0.541	0.352	0.721	0.785	0.501	0.899	-0.035	0.02
A017285_01	-0.077 NA		0.106	-0.165	-0.041 NA		0.26	0.068
A017289_01	0.212	0.076	-0.173	-0.018	0.15	0.006	0.079	-0.226
A017293_01	0.611	0.356	-0.026	0.197	0.127	-0.016	-0.193	-0.27
A017305_01	0.126	-0.228	0.119	-0.264	0.103	-0.403	0.157	0
A017306_01	-0.12	-0.139	-0.518	-0.152	0.123	-0.111	-0.17	-0.195
A017307_01	0.476	0.468	0.024	-0.465	0.137	0.144	0.087 NA	
A017308_01	0.079 NA		0	0.122 NA	NA		0.189	-0.185
A017311_01	0.664	0.469	0.855	0.593	0.78	0.799	0.117	-0.123
A017312_01	0.511	0.443	0.009	0.142	0.26	0.297	-0.049	-0.118
A017314_01	1.069	0.953	0.429	-0.137	0.295	0.012	-0.029	-0.047
A017315_01	-0.123	-0.312	-1.146	-0.285	-0.012	-0.106	-0.438	-0.543
A017316_01	0.161	0.102	0.115	0.091	-0.023	0.061	-0.066	0.015
A017321_01	0.021	-0.127	0.119	0.103	0.059	-0.104	-0.192	-0.247
A017326_01	0.257	0.412	0.481	0.13	0.257	0.22	-0.148	-0.052
A017327_01	-0.194	-0.449	0.081	-0.041	0.045	-0.379	-0.189	-0.406
A017328_01	-0.065	-0.036	0.113 NA		0.271	-0.054	0.086 NA	
A017331_01	0.113	-0.08	-0.314	0.068	0.268	-0.156	0.104	-0.048
A017335_01	0.585	0.354	0.66	1.226	0.348	0.612	0.017	-0.064
A017340_01	-0.424	-0.674	-0.393 NA		0.006	-0.18	-0.324	-0.21
A017341_01	0.52	0.559	0.084	0.127	0.095	0.164	0.11	0.119
A017352_01	-0.187	-0.231	-0.121	-0.169	0.071	-0.056	0.012	-0.022
A017353_01	0.373	0.02	0.018	0.068	0.102	0.005	-0.158	-0.29
A017354_01	0.289	0.283	0.029	-0.118	0.375	0.363	0.381	0.179
A017360_01	-0.594	-0.464	-0.595	-0.774	-0.076	0.107	-0.253	-0.149
A017361_01	-0.589	-0.752	-0.673	0.055	-0.605	-0.942	-0.29 NA	
A017363_01	0.259	0.309	-0.304	0.339	0.115	0.12	-0.291	-0.205
A017365_01	0.288	0.24	0.531	-0.151	0.097	-0.029	0.067 NA	
A017378_01	-0.416	-0.321	0.11	-0.344	0.149	0.121	-0.261	-0.1
A017380_01	-0.601	-0.631 NA		-0.211	-0.353	-0.809	-0.172 NA	
A017381_01	-0.178	-0.312	-0.269	0.049	-0.113	-0.065	-0.389	-0.267
A017382_01	0.049	-0.185	-0.18	0.181	0.118	-0.002	0.074	0.006
A017387_01	0.166	-0.015	0.158	-0.389	0.285	0.368	0.103	0.014
A017389_01	0.203	0.027	0.214	-0.25	0.135	0.077	0.014	0.107
A017393_01	-0.372	-0.359 NA	NA		-0.208	-0.249	-0.358	-0.37

A017394_01	-1.264	-0.98	-0.487	0.14	-0.045	0.33	0.213	0.279
A017396_01	-0.253	-0.162	-0.088	-0.086	-0.121	-0.192	-0.195	-0.05
A017405_01	0.159	-0.051	0.258	-0.443	0.281	-0.046	0.049	-0.237
A017413_01	-0.091	0.031	0.068	-0.246	-0.07	-0.101	0.053 NA	
A017419_01	0.505	0.085	-0.542	-0.714	-0.066	0.115	-0.039	-0.181
A017421_01	-0.08 NA		0.079	-0.217	0.252 NA		0.109	0.044
A017423_01	0.438	0.244	0.091	0.338	0.259	0.028	0.28	-0.004
A017425_01	-0.332 NA	NA	NA		0.09	-0.358	0.03 NA	
A017431_01	-0.084	-0.171	-0.41	-0.403	0.134	-0.119	-0.055	-0.336
A017433_01	0.327	0.138	-0.228	0.082	0.073	0.144	-0.171	-0.035
A017434_01	-0.402	-0.185	-0.252	-0.474	-0.075	0.111	0.134	0.178
A017443_01	-0.194	-0.412	-0.191	0.143	-0.102	-0.344	0.01 NA	
A017451_01	-0.36 NA		-0.529	-1.129	0.05 NA		-0.375	-0.529
A017452_01	-1.494	-1.546	-0.844	-0.371	-1.136	-1.421	-1.097	-0.826
A017460_01	-2.008 NA	NA	NA		-1.759 NA		-0.52	-0.46
A017466_01	0.095	-0.109	0.403	0.372	0.112	-0.228	0.062	0.087
A017468_01	0.166	0.577	0.368	0.105	0.076	0.28	0.457	0.666
A017471_01	-0.124	-0.197	-0.278	0.158	0.072	-0.045	-0.007	-0.228
A017476_01	-0.299	-0.185 NA	NA		0.012	-0.304	-0.041 NA	
A017477_01	-1.042	-1.146	-0.363 NA		-0.23	-0.022	-0.023	0.292
A017486_01	0.456	0.274	-0.137	-0.266	0.131	0.172	0.03	-0.049
A017501_01	0.264	0.272	0.712	0.515	0.153	0.054	0.078	-0.001
A017502_01	-0.421	-0.23	0.037	0.073	-0.096	-0.282	-0.014	-0.34
A017508_01	-0.324	-0.322	-0.144	0.126	-0.021	-0.124	-0.075 NA	
A017513_01	-1.731	-2.068	-1.476	-1.274	-1.563	-2.001	-2.585	-1.949
A017517_01	0.385	0.383	0.143	-0.051	0.196	0.191	0.05	-0.071
A017534_01	-0.002	0.077	-1.135	-0.51	0.086	0.168	0.228	0.115
A017549_01	0.406	0.248	0.161	0.137	0.094	0.004	-0.069	-0.135
A017558_01	0.681	0.366	0.025	-0.32	0.315	0.317	-0.142	-0.032
A017559_01	-0.119	-0.453	0.246	0.182	-0.095	-0.271	-0.111	-0.183
A017562_01	-0.293	-0.295	-0.27	-0.199	-0.01	-0.113	-0.077	-0.181
A017563_01	-0.015	0.075	-0.062	0.12	0.001	0.165	-0.025	-0.014
A017564_01	-0.912	-1.253	-1.209	-1.17	-0.196	-0.483	-0.287	-0.419
A017569_01	-0.006	-0.067	0.399	0.382	0.153	0.043	0.175	-0.013
A017570_01	0.032	0.253	0.094	-0.354	0.154	0.09	0.089	-0.039
A017575_01	-0.201	0.096	0.347	0.061	0.164	0.472	0.35 NA	
A017580_01	0.054	0.22	0.064	0.124	-0.017	0.111	0.045 NA	
A017581_01	-0.369	-0.39	-0.302	0	-0.13	-0.157	-0.064	-0.086
A017583_01	-0.116	0.077	-0.333	-0.253	-0.174	-0.085	-0.236	-0.173
A017587_01	0.098	0.252	0.118	-0.164	-0.168 NA		-0.042	-0.256
A017589_01	0.373	0.428	-0.466	-0.067	0.169	0.25	-0.069	-0.048
A017593_01	0.714	0.757	0.832	0.129	0.284	0.364	0.184	0.106
A017595_01	0.165	0.219	0.218	0.253	0.141	0.254	-0.145	-0.374
A017597_01	0.619	0.431	0.311	-0.006	0.436	0.605	0.253	-0.054
A017600_01	-0.073	0.157	-0.177	0.576	0.022	0.049	-0.015	-0.125
A017604_01	-0.202	-0.276	-0.198	0.005	0.082	0.068	-0.132 NA	
A017612_01	1.232	1.355	0.589	0.815	0.456	0.421	0.436	0.344
A017614_01	-0.057	-0.254	0.223	-0.406	0.374	0.268	0.16	-0.056
A017618_01	0.066	0.102	-0.006	0.173	-0.221	-0.177	0.005	-0.071
A017633_01	-0.124	0.026	-0.127	0.197	0.007	0.229	-0.026	0.309
A017635_01	0.625	0.384	-0.066	-0.62	0.387 NA		0.062	-0.001
A017636_01	0.122	-0.029	-0.121	-0.242	0.189	0.309	0.116	0.085
A017637_01	0.223	0.254 NA		-0.164	0.15	0.348	0.142	-0.01
A017640_01	-0.174	-0.526	0.167	0.102	-0.078	-0.176	0.188	0.029
A017641_01	0.647	0.564	-0.047	-0.059	0.28	0.377	-0.123	-0.136
A017644_01	0.271	0.062	0.172	0.107	0.04	-0.153	-0.048	-0.127
A017646_01	-0.936	-1.082	-0.395	0.048	-0.062	-0.309	0.049	-0.077
A017652_01	-0.213	-0.377	-0.523	-0.856	-0.143	-0.13	-0.14	-0.276
A017653_01	-0.498	-1.126 NA		-0.323	-0.16 NA		0.034	-0.023
A017656_01	0.02	0.096	0.471	0.464	0.143	0.129	-0.399	-0.293
A017657_01	-0.271	0.037	0.213	0.182	-0.145	-0.207	-0.071	0.304
A017659_01	0.034	0.059	0.221	0.273	0.198	0.013	-0.146	-0.252
A017664_01	0.463	0.194	0.488	-0.398	0.147	0.29	0.089	-0.068
A017667_01	-0.062	-0.198	0.243	0.455	-0.531	-0.904	-0.346	-0.486
A017668_01	0.3	0.233	-0.225	0.232	0.013	-0.042	-0.087	-0.114
A017671_01	-0.097	-0.126	-0.453	0.117	-0.057	-0.25	-0.108	-0.176
A017672_01	-0.514	-0.188	0.233	-0.125	-0.294	-0.171	-0.092	0.295
A017692_01	0.678	0.672	0.674	-0.188	0.353	0.357	0.398	0.186

A017693_01	-0.181	0.094	0.224	0.076	-0.014	0.019	-0.187	-0.067
A017695_01	-2.152	-2.76	-0.967	-1.419	-0.422	-0.649	0.084	-0.035
A017699_01	-0.049	-0.244	0.096	-0.207	-0.038	-0.323	0.169	-0.112
A017701_01	0.163	-0.028	-0.548	0.095	-0.216	-0.221	-0.492	-0.311
A017703_01	0.253	0.122	0.214	-0.181	0.132	-0.091	-0.036	-0.106
A017713_01	-0.03	-0.162	-0.144	0.023	-0.011	-0.19	-0.019	-0.058
A017714_01	0.8	0.58	0.763	0.959	-1.368	-1.906	-1.444	-1.244
A017715_01	-0.602	0.024	-0.182	0.5	-0.065	0.16	0.063	0.163
A017716_01	-0.21	-0.315	0.08	0.193	-0.07	-0.285	-0.104	-0.135
A017718_01	0.292	0.431	-0.12	-0.061	-0.18	0.103	-0.086	0.015
A017726_01	0.485	0.435	-0.088	0.069	0.09 NA		0.026	-0.172
A017734_01	-0.251	-0.111	-0.189	0.099	-0.061	-0.022	-0.005	-0.005
A017737_01	-2.967 NA	NA	NA	NA	-1.237	-2.024 NA	NA	
A017740_01	-0.139	-0.394 NA	NA	NA	-0.041	-0.273	-0.366 NA	
A017742_01	0.154	-0.133	0.147	-0.192	-0.263	-0.312	-0.145	-0.33
A017743_01	0.227	0.03	0.144	0.201	-0.108 NA		-0.142	-0.383
A017746_01	0.441	0.378	-0.04	0.535	0.275	0.003	0.327 NA	
A017749_01	0.06	-0.127	0.111	0.111	0.255	0.063	0.249	-0.181
A017754_01	0.038	-0.391 NA		0.276	0.023 NA		0.139	-0.097
A017756_01	-0.161	-0.062	0.25	-0.038	-0.174	-0.142	-0.094	-0.084
A017757_01	-0.321	-0.194	-0.128	0.023	0.083	-0.19	0.094	-0.203
A017758_01	0.015	0.019	0.257	0.475	0.089	0.33	0.384	0.449
A017762_01	0.296	0.498	0.47	-0.727	0.398	0.489	0.141	0.241
A017764_01	-0.15	-0.281	0.078	0.309	-0.028	-0.435	-0.078	-0.076
A017767_01	0.652	0.42	1.161	0.942	0.761	0.79	0.227	0.152
A017768_01	0.061	0.07	-0.076	-0.117	-0.24	-0.045	0.001	0.058
A017769_01	0.011	0.045	0.273	-0.293	0.141	0.136	0.051 NA	
A017771_01	-0.043	0.173	0.316	0.028	0.081	-0.035	0.055	0.006
A017777_01	0.021	-0.065	0.045	0.317	0.249	0.092	0.095	-0.061
A017779_01	0.079	0.078	0.225	-0.369	0.05	-0.143	0.103	0.026
A017782_01	0.274	0.399	0.439	-0.289	0.157	-0.007	0.442	0.276
A017783_01	0.087	-0.007	-0.04	0.203	-0.646	-0.841	0.323	0.161
A017794_01	0.675	0.718	0.69	-0.163	0.15 NA		0.592	0.376
A017798_01	0.348	0.339	0.427	0.128	0.293	-0.144	0.152	0.016
A017799_01	0.153	0.194	0.105	-0.424	0.302	0.249	0.172	-0.063
A017801_01	-0.033	-0.114	0.259	0.318	0.106	-0.199	-0.164	-0.153
A017803_01	0.496	0.601	0.222	-0.561	0.194	0.346	0.142	0.114
A017807_01	-0.148	-0.096	0.335	0.193	-0.029	-0.374	0.038	0.029
A017808_01	0.381	0.312	0.141	0.19	-0.066	-0.217	-0.053	-0.149
A017812_01	-0.208 NA		0.445	-0.041	-0.095	-0.206	0.304 NA	
A017813_01	-0.836	-0.899	-0.195	-0.254	-0.777	-1.025	-0.132	-0.132
A017815_01	1.236	1.113	1.701	1.861	0.459	0.584	-1.263	-1.011
A017824_01	-0.71	0.178	0.282	-0.247	-0.379	0.14	-0.165	0.487
A017825_01	0.251	0.385	0.435	0.272	0.189	0.179	-0.19	0.095
A017835_01	-0.283	-0.248	-0.278	0.24	0.026	-0.088	-0.25	-0.231
A017837_01	-0.071	-0.028	0.336	-0.043	-0.634	-0.287	0.187	0.292
A017839_01	0.276	0.239	0.274	0.2	-0.06	-0.041	-0.057	-0.028
A017845_01	0.285	0.251	0.25	0.118	0.086	0.2	0.179	0.136
A017848_01	0.68	0.205	0.22	-0.227	0.17	0.26	0.116	-0.039
A017849_01	-0.236	-0.569	-0.127	0.222	0.122	0.02	-0.016	-0.017
A017850_01	0.773	0.705	0.545	0.418	0.215	0.369	0.038 NA	
A017852_01	0.556	0.421	0.119	-0.048	0.28	0.328	0.096	0.106
A017855_01	0.439	0.021	-0.198	-0.781	0.176	0.151	0.199	-0.043
A017856_01	-0.543	-0.524	-0.227	-0.205	-0.564	-0.402	-0.301	0.019
A017858_01	-0.471	-0.418	-0.007	-0.474	0.249	0.063	0.022	-0.129
A017859_01	-0.597	-1.331	-0.336	-0.059	-0.39	-0.814	0.117	0.18
A017860_01	-0.477	-0.083 NA	NA	NA	-0.769	-0.816	-0.928	-0.841
A017861_01	-0.635	-0.468	-0.373	0.06	0.016	-0.1	-0.016	-0.075
A017863_01	0.023	0.191	0.218	0.009	0.094	-0.089	-0.036	0.042
A017866_01	-0.317	-0.307 NA	NA	NA	0.168	-0.203	0.033 NA	
A017867_01	-0.769	-0.532	-0.185	-0.316	0.058	0.034	-0.087	-0.029
A017868_01	-0.006	-0.165	-0.408	-0.455	0.348	0.337	0.021	-0.179
A017869_01	-0.284	-0.446	0.073	0.237	0.051	-0.17	-0.142	-0.185
A017871_01	0.308	0.17 NA		0.326	0.554 NA	NA	NA	
A017872_01	-0.454	-0.292	0.15	-0.356	-0.081	0.002	-0.159	0.045
A017873_01	0.051	0.082	-0.118	0.346	0.036	-0.122	-0.218	-0.052
A017874_01	-0.35	-0.299	-0.133	-0.377	0.001	0.021	-0.086	-0.115
A017877_01	-0.349	-0.063	-0.176	-0.144	0.01	0.234	-0.1	0.069

A017878_01	0.021	-0.236	-0.007	-0.359	0.207	0.077	-0.304	-0.278
A017880_01	-0.102	-0.403	0.272	0.187	0.133	-0.123	0.262	-0.004
A017882_01	-0.562	-0.532	0.049	-0.106	-0.387	-0.253	-0.317	-0.091
A017885_01	-0.591	-0.863	-0.286	0.07	-0.452 NA		-0.415 NA	
A017886_01	-0.037	-0.043	0.229	0.363	0.075	-0.086	-0.034	0.076
A017887_01	-0.584	-0.282 NA		-0.117	0.001 NA		-0.003	-0.071
A017890_01	0.271	0.603	0.069	-0.503	0.159	0.437	-0.034	-0.047
A017892_01	0.16	0.154	0.296	-0.24	0.075	0.029	0.04	0.042
A017894_01	0.107	0.026	-0.265	0.269	-0.127	-0.267	-0.282	-0.325
A017897_01	0.008	-0.206	-0.524	0.106	-0.222	-0.449	-0.32	-0.22
A017899_01	0.423	0.305	0.218	0.233	0.171	0.24	0.064	0.058
A017900_01	0.153 NA		-0.11	-0.149	0.036 NA		0.487	0.33
A017901_01	-0.021	-0.064	-0.184	-0.279	0.154	-0.021	-0.072 NA	
A017902_01	-0.335	-0.254	-0.038	-0.202	0.015	0.117	0.364	0.413
A017904_01	-0.769	-0.999	-0.333	0.004	-1.384	-1.938	-0.205	-0.273
A017909_01	-0.375	-0.353	-0.109	0.23	-0.196	-0.281	-0.259	-0.257
A017913_01	0.235	0.035	-0.285	-1.151	0.755	0.87	-0.196	-0.275
A017915_01	-0.28	-0.351	-0.074	0.182	-0.345	-0.415	0.098	0.23
A017916_01	-0.314 NA		-0.014	0.086	0.056 NA		0.195	-0.049
A017918_01	0.922	0.775	0.359	-0.18	0.082 NA		0.23	0.162
A017920_01	-0.245	-0.453	0.324	-0.024	0.103	0.042	0.223	0.067
A017922_01	-0.052	-0.041	-0.093	-0.502	0.26	0.241	0.159	0.006
A017923_01	-0.159	-0.376	-0.146	-0.313	-0.235	-0.233	-0.134	-0.066
A017924_01	0.744	0.854	0.164	-0.261	0.656	0.659	-0.203	-0.491
A017925_01	-0.552	-0.552	-0.467	-0.651	-0.119	-0.257	-0.313	-0.395
A017928_01	0.303	0.107	0.228	-0.057	0.147	-0.102	-0.053	-0.085
A017933_01	-0.085	-0.071	-0.454	-0.182	-0.153	-0.252	-0.447	-0.44
A017934_01	0.294	0.142	-0.076	-0.187	0.316	0.431	0.122	-0.161
A017935_01	-0.066	-0.044	-0.087	-0.653	0.28	0.393	-0.025	-0.208
A017936_01	-0.237	-0.17	0.121	0.019	0.01	0.044	-0.736	-0.572
A017937_01	0.081	0.037	0.115	-0.356	0.06	-0.067	0.05 NA	
A017938_01	-0.136	-0.144	-0.022	0.198	0.277	0.25	0.63	0.472
A017942_01	-1.215	-1.632	-1.259	-0.501	-1.213	-2.003	-1.934	-1.388
A017945_01	0.314	0.274	0.083	0.106	0.103	0.34	-0.009	-0.058
A017949_01	0.258	0.208	0.171	-0.584	0.222	0.1	0.174 NA	
A017950_01	-0.181	-0.274	-0.224	0.054	-0.207	-0.281	-0.012	0.111
A017951_01	-0.206	-0.262	0.153	0.014	0.033	-0.158	0.316	0.217
A017952_01	-0.14	0.071	-0.023	-0.159	-0.051	0.043	0.079	0.142
A017955_01	-0.556	-0.469	-0.288	-0.526	-0.129	-0.079	0.231	0.21
A017957_01	0.007	-0.052	-0.23	0.355	0.287	-0.031	-0.04	-0.114
A017962_01	-0.341	-0.089	0.344	-0.035	-0.034	0.069	0.295	0.4
A017965_01	0.3	0.252	0.265	-0.478	0.343	0.351	0.036	-0.103
A017967_01	-0.27	-0.167	-0.32	0.293	-0.112	0.16	-0.531	-0.14
A017971_01	-0.295	-0.268	-0.262	0.045	-0.364	-0.259	-0.352	-0.015
A017972_01	0.328	0.408	0.329	0.404	-0.053	-0.048	-0.002 NA	
A017974_01	-0.226	-0.2	-1.511	-0.84	-0.22	-0.152	-0.703	-0.373
A017975_01	0.328	0.368	0.071	-0.378	0.142	0.337	0.144	0.242
A017977_01	-0.19	-0.171	-0.43	-0.106	0.134	0.064	-0.243	-0.206
A017979_01	-0.572	-0.734	-0.146	-0.745	-0.337	-0.19	-0.32	0.16
A017980_01	-0.647	-0.684	-0.167	-0.357	-0.131	-0.05	-0.021	0.068
A017982_01	-0.24	-0.412	-0.193	-0.513	0.015	-0.14	-0.097	-0.096
A017983_01	-1.191	-1.495	-0.241	-0.62	-0.313	-0.681	-0.078 NA	
A017985_01	0.587	0.828	0.316	-0.13	0.092	0.442	-0.087	-0.066
A017987_01	-0.05	-0.184	-0.194	-0.03	0.059	-0.044	-0.023	-0.117
A017991_01	0.06	0.025	0.211	0.033	-0.122	0.052	-0.129	-0.133
A017993_01	-0.225	-0.365	-0.426	-0.141	-0.142	-0.054	-0.084	-0.036
A017994_01	0.11	-0.184	-0.059	0.054	0.156	-0.002	-0.145	-0.193
A017995_01	-1.419	-1.724	-2.293	-2.362	-1.079	-1.599	-0.506	-0.449
A017996_01	0.082	0.077	0.039	-0.219	0.107	0.038	-0.04	-0.123
A018000_01	-0.132	-0.12	-0.064	-0.114	0.046	-0.038	-0.192	0.003
A018004_01	-0.155	-0.201	-0.332	-0.196	-0.066	-0.149	0.019	-0.036
A018006_01	-1.784	-2.184	0.29	0.247	-1.75	-2.297	0.208	0.212
A018011_01	0.594	0.313	0.26	0.057	-0.116	0.222	0.146	0.082
A018016_01	0.189	0.152	0.053	-0.196	0.06	0.313	0.039	0.016
A018017_01	0.755	0.632	0.425	0.244	0.173	0.191	-0.008	-0.026
A018019_01	1.339	1.38	0.609	0.884	0.462	1.088	0.479	0.677
A018022_01	0.558	0.426	0.432	-0.443	-0.084	-0.022	-0.117	0.005
A018025_01	-0.175	-0.36	-0.139	-0.172	0.042	-0.137	0.165	0.082

A018028_01	0.424	0.47	-0.048	0.015	-0.146	0.077	-0.307	-0.186
A018029_01	0.14	0.209	0.032	0.159	0.202	0.265	0.017	-0.211
A018032_01	-0.936	-1.296	-1.787	-2.23	-1.9 NA		-2.023 NA	
A018034_01	-0.747	-0.715 NA		NA	-0.055	0.161	-0.206	-0.227
A018038_01	0.399	0.24	-0.405	-0.04	0.058	0.446	0.076	0.018
A018041_01	1.163	1.002	0.343	0.562	0.202	0.759	0.178	0.213
A018042_01	0.174	0.17	0.234	0.112	-0.135	-0.026	0.184	0.071
A018043_01	0.107	0.085	-0.057	-0.152	0.075	0.132	-0.136	-0.133
A018046_01	0.631	0.45	0.052	-0.748	0.266	0.574	0.284	0.316
A018047_01	0.426	0.346	-0.139	-0.229	-0.082	0.054	-0.16	-0.074
A018048_01	0.054	0.192	0.072	-0.078	0.151	0.337	-0.034	-0.112
A018049_01	-0.435	-0.511	-0.261	-0.56	-0.264	-0.634	-0.061	-0.056
A018052_01	-0.073	-0.199	-0.455	-0.649	-0.042	-0.001	-0.068	-0.048
A018054_01	-0.446	-0.495	-0.437	-0.298	-0.259	-0.252	0.058 NA	
A018058_01	0.042	0	0.206	0.493	0.541	0.729	0.236	0.132
A018060_01	0.222	-0.115	-0.403	0.171	-0.199	-0.156	-0.058	-0.111
A018062_01	0.322	0.212	-0.1	-0.144	0.327	0.414	0.379	0.222
A018064_01	-0.605	-0.534	-0.398	-1.08	-0.229	-0.112	-0.29	-0.094
A018065_01	0.498	0.243	0.27	0.651	0.381	0.59	0.282	0.176
A018066_01	-0.337	-0.315	-0.389	-0.866	0.264	0.564	-0.319	-0.119
A018067_01	-0.103	-0.309	-0.08	-0.203	-0.207	-0.274	0.156	0.014
A018068_01	-0.243	-0.099	0.184	-0.374	0.135	0.178	-0.077	0.105
A018069_01	0.372	0.242	-0.342	0.213	-0.154	-0.117	-0.29	-0.219
A018070_01	0.462	0.164	-0.054	-0.243	0.066	0.403	0.077	-0.066
A018071_01	0.195	-0.095	0.126	0.418 NA		NA	-0.05	-0.107
A018072_01	-0.289	-0.231	0.022	0.202	-0.167	-0.155	-0.154	0.018
A018074_01	-0.013	-0.22	-0.057	-0.047	0.039	-0.095	-0.057	-0.08
A018076_01	0.79	0.599	-0.358	-0.241	0.284	0.172	-0.171	-0.106
A018080_01	0.239	0.538	0.164	0.348	0.241	0.307	-0.123	0.001
A018081_01	0.32	0.495	0.152	-0.186	0.19	0.318	0.294	0.139
A018085_01	-0.378	-0.083	-0.006	0.145	0.089	0.159	-0.034 NA	
A018088_01	0.586	0.445	-0.062	0.167	-0.026	0.366	0.087	0.145
A018089_01	-0.194	-0.259	-0.385	-0.49	0.149	0.264	0.1	0.109
A018092_01	0.018	0.154	0.281	-0.273	-0.154	0.055	-0.098	0.115
A018093_01	0.074	-0.184	-0.247	-0.254 NA		0.116	0.098	-0.033
A018097_01	0.541	0.229	0.182	0.077	0.394	0.117	0.67 NA	
A018098_01	-0.234	-0.347	-0.303	-1.406	-0.022	-0.052	-0.218	-0.206
A018099_01	-0.175	-0.321	0.14	-0.123	0.191	0.036	0.022	0.035
A018100_01	0.466	0.411	0.925	1.263	0.275	0.073	0.774	0.512
A018101_01	-0.311	-0.457	-0.562	-0.28	0.201	0.053	-0.117	-0.13
A018102_01	0.428	0.463	0.398	0.028	0.122	0.2	0.257	0.241
A018103_01	-0.28	-0.094	-0.118	-0.146	0.063	0.155	-0.388	-0.306
A018104_01	-0.218	-0.295	-0.233	-0.04	0.144	-0.018	-0.029	0.012
A018105_01	0.025	-0.11	-0.674	0.112	-0.368	-0.164	-0.448	-0.368
A018106_01	0.579	0.321	0.595	-0.159	0.295	0.313	0.653	0.323
A018107_01	-0.643	-0.639	-0.355	-0.086	-0.247	-0.327	-0.142	-0.129
A018108_01	0.501	0.33	-0.049 NA		0.284	0.304	0.104 NA	
A018110_01	0.246	-0.019	-0.071	-0.076	0.134	0.164	0.004	-0.139
A018111_01	-0.143	-0.148	0.054	-0.682	0.024	-0.088	0.071	-0.018
A018115_01	-0.153	-0.263	-0.201	-0.35	-0.086	0.119	-0.161	-0.236
A018117_01	-0.201	-0.125	0.015	0.029	-0.206	-0.392	-0.179	-0.096
A018119_01	0.849	0.792	0.553	0.434	0.129	0.248	0.417	0.248
A018126_01	-0.125	-0.163	-0.02	0.208	-0.185	-0.424	-0.092 NA	
A018128_01	0.143	0.298	0.4	0.084	0.309	0.181	0.224	0.038
A018135_01	-0.009	-0.201	0.21	0.386	0.223	-0.045	-0.07	-0.194
A018139_01	-0.393	-0.582	-0.06	-0.62	-0.091	-0.2	-0.109	-0.055
A018147_01	0.022	0.092	-0.131	0.269	0.297	0.298	0.244	0.236
A018151_01	-0.134	0.052	0.358	0.452	0.297	0.056	-0.013	0.036
A018153_01	0.315	0.09	-0.014	-0.285	0.104	0.493	-0.059	0.044
A018154_01	-0.876	-0.767	-0.356	-0.312	-0.259	-0.239	-0.114	0.004
A018155_01	0.262	0.253	0.052	0.379	0.035 NA		0.07	0.024
A018156_01	-0.161	-0.445	-0.334	-0.756	0.164	0.04	-0.072	-0.153
A018157_01	0.315	0.538	0.544	0.824	0.032	0.382	0.307	0.391
A018159_01	-0.311	-0.304	0.269	-0.375	0.279	0.528	0.265	0.139
A018163_01	-1.617	-1.873 NA		-1.43	-1.191	-1.955	-0.546	-0.481
A018171_01	-0.248	-0.342	-0.163	-0.145	0	-0.176	-0.189	-0.235
A018174_01	0.105	0.167	-0.026	-0.093	0	-0.048	0.072	-0.117
A018175_01	-0.076	-0.1	-0.399	-0.281	0.047	0.132	0.117	0.079

A018176_01	-0.33	-0.272	-0.511 NA		-0.246	-0.403	-0.187	-0.028
A018179_01	0.317	0.174	-0.041	-0.114	0.342	0.496	0.261	-0.007
A018182_01	-0.047	-0.18	-0.082	0.542	-0.046	-0.154	-0.143	-0.293
A018183_01	-0.546	-0.627	-0.545	-0.322	-0.371	-0.113	-0.282	-0.144
A018185_01	0.312	-0.067	-0.215	-0.07	-0.074	-0.046	-0.002	-0.124
A018189_01	-1.571	-1.469	-0.915	-0.182	-0.359	-0.026	-0.173	0.072
A018193_01	0.28	0.22	-0.13 NA		0.359	-0.115	-0.072	-0.331
A018195_01	-0.041	0.067	0.141	0.298	0.048	0.214	-0.093	-0.153
A018200_01	0.041	-0.24	-0.147	0.219	0.041	-0.031	-0.083	-0.219
A018204_01	0.355	0.335	-0.048	0.187	0.11 NA		0.019 NA	
A018205_01	0.007	-0.019	-0.111	0.093	0.259	0.291	0.159	-0.198
A018206_01	-0.452	-0.486 NA		-0.503	0.169	0.153	-0.051	-0.161
A018207_01	0.281	0.323	0.249	-0.663	0.168	0.154	0.006	0.134
A018210_01	0.266	0.198	-0.052	-0.127	0.021	0.303	0.138	0.044
A018211_01	-0.419	-0.48	-0.092	0.1	-0.2	-0.463	0.056	-0.146
A018214_01	-0.768	-0.725	-0.264	-0.391	-0.195	-0.068	-0.268	-0.157
A018216_01	0.272	0.044 NA		0.087	0.058	-0.058	0.015 NA	
A018226_01	0.069 NA		-0.499	0.202	-0.053 NA		-0.273	-0.091
A018234_01	-0.293	-0.174 NA		0.087	-0.221	-0.279	-0.36 NA	
A018237_01	-0.15	-0.236	-0.101	0.518	-0.285	-0.793	-0.187	-0.137
A018239_01	-0.681	-1.388 NA	NA		-0.218	-0.783	-0.479	-0.643
A018240_01	0.55	0.512	0.495	0.207	0.324	0.812	0.164	0.174
A018241_01	-0.053	-0.061	0.116	-0.201	0.178	0.052	0.153	0.027
A018242_01	0.036	-0.176	-0.316	-0.083	-0.111 NA		-0.154	-0.16
A018243_01	-0.217	-0.337	-0.251	-0.261	0.014	-0.103	0.09	0.008
A018248_01	0.118	0.1	-0.001	0.178	0.186 NA		-0.036	-0.315
A018249_01	0.329 NA		0.111 NA		-0.003 NA		0.033	-0.189
A018251_01	1.006	1.288	1.393	1.179	0.65	0.587	0.845	0.905
A018253_01	0.355	0.271	-0.095	-0.445	0.071	0.193	-0.138	-0.127
A018254_01	0.117	0.144	0.001	-0.278	0.214	0.15	0.152	0.074
A018256_01	0.447	0.28	0.039	-0.109	0.211	0.27	0.199	0.13
A018258_01	-0.196	-0.265	-0.373	-0.387	0.061	0.07	0.144	0.1
A018259_01	-2.463	-2.53	-1.661	-1.478	-1.155	-1.427	-0.746	-0.636
A018264_01	-0.138	0.281	0.285	0.031	0.222	0.364	0.168	0.1
A018266_01	-0.003	-0.182	0.095	-0.322	0.131	0.155	0.008	-0.055
A018267_01	-0.118	-0.208	0.259	-0.032	0.131	0.27	0.131	0.196
A018269_01	0.546	0.397	0.516	0.77	0.474	0.612	0.562	0.315
A018270_01	-0.929	-1.049	-0.354	-0.718	-0.318	-0.445	0.138	-0.104
A018272_01	-0.298	-0.515	0.092	-0.226	-0.061	-0.172	-0.175	-0.182
A018273_01	0.405	0.194	0.373	0.086	0.275	0.18	0.076	0.007
A018276_01	-0.43	-0.316	-0.056	0.302	-0.191	-0.21	-0.339	-0.329
A018277_01	0.16	0.189	-0.173	0.021	-0.023	-0.042	-0.295	-0.179
A018280_01	-0.322	-0.579	-0.126	-0.298	0.086	-0.17	0.099	-0.033
A018297_01	0.073	-0.053	0.13	0.075	-0.428	-0.345	-0.248	-0.133
A018300_01	0.734	0.588	0.192	0.478	0.273	0.331	0.179	0.215
A018304_01	0.227	0.073	0.166	0.146	0.005	-0.318	-0.146 NA	
A018307_01	-0.357	-0.453	-0.461	-0.214	-0.26	-0.16	-0.162	-0.096
A018308_01	0.188	0.458	1.308	0.962	0.785	0.919	0.557	0.464
A018312_01	0.282	0.566	0.602	0.256	0.041	0.054	0.065	0.051
A018314_01	0.157	-0.103	0.151	-0.036	0.003	-0.104	-0.122	-0.265
A018315_01	-0.022	-0.347	0.115	0.019	-0.124 NA		0.006	-0.185
A018319_01	-0.253	-0.377	-0.521	-0.021	0.375	0.617	-0.16	-0.267
A018321_01	-0.264	-0.54	0.031	0.228	-0.001 NA		0.059 NA	
A018323_01	0.053	0.298	-0.079	-0.003	-0.04 NA		0.1 NA	
A018330_01	0.171	0.104	0.189	-0.229	0.383	0.203	0.254	0.139
A018334_01	0.78	0.608	-0.182	-0.194	-0.021	0.464	-0.156	-0.156
A018338_01	-0.098	-0.127	0.01	-0.012	0.082	-0.064	-0.049	0.053
A018340_01	0.307	0.16	0.209 NA		0.27 NA		0.052 NA	
A018343_01	0.343	0.123	0.133	0.376	0.187	-0.077	0.116	-0.138
A018344_01	0.149	0.102	0.331	0.107	-0.072 NA		0.038	-0.323
A018348_01	0.264	0.33	0.293	0.705	0.226	0.123	-0.011	-0.021
A018349_01	0.075	0.29	0.371	0.212	0.121	-0.032	0.731	0.715
A018354_01	-0.636	-0.608	0.128	0.202	-0.117	-0.08	0.152	0.026
A018355_01	-0.337	-0.721	0.167	0.317	-0.675 NA		-0.276	-0.32
A018357_01	-0.151	-0.131	0.539	-0.089	-0.143	-0.139	0.141	0.185
A018358_01	-0.093	0.412	0.039	0.077	-0.138	0.253	-0.189	0.208
A018362_01	0.178	0.08	-0.175	0.142	0.297	0.134	-0.354 NA	
A018371_01	0.2	0.23	0.063	-0.392	0.026	0.122	-0.044	0.075

A018373_01	-0.356	-0.531	-0.288	-0.58	0.046	-0.09	0.134	0.101
A018377_01	0.099	-0.014	0.137	0.003	0.002	-0.14	-0.025	-0.165
A018384_01	0.228	-0.009	-0.03	-0.677 NA		0.078	0.359	-0.049
A018386_01	-0.194	-0.153	-0.066	-0.004	0.167	-0.007	-0.083	-0.075
A018393_01	-0.165	-0.155	-0.381	0.218	-0.397	-0.551	-0.185 NA	
A018395_01	0.032	-0.229	-0.478	-0.21	-0.188	-0.401	-0.249	-0.267
A018397_01	-0.157	-0.204	0.023	-0.251	-0.037	0.061	-0.039	-0.036
A018399_01	0.038	0.026	-0.353	0.324	0.103	0.048	-0.274	-0.135
A018406_01	0.625	0.28	0.104	-0.044	0.095	0.168	-0.121	-0.226
A018411_01	0.101	0.07	0.289	0.31	0.093	0.171	-0.092 NA	
A018412_01	-0.241	-0.207	-0.623	0.012	-0.312	-0.052	-0.3 NA	
A018421_01	0.027	0.157	0	0.482	0.045	0.22	-0.027	0.042
A018423_01	-0.643	-0.777	-0.09	-0.465	0.077	-0.211	0.261	0.141
A018426_01	0.155	-0.008	0.073	-0.177	-0.019	-0.2	-0.043	-0.166
A018427_01	-0.103	-0.151	-0.005	0.018	0.114	0.038	-0.152	-0.251
A018428_01	0.053	0.037	-0.413	0.513	-0.099	-0.228	-0.102	-0.172
A018432_01	-0.078	-0.364	-0.057	-0.132	-0.023	-0.08	0.304	0.07
A018440_01	-0.567	-0.853	-0.243	-0.355	-0.083	-0.295	-0.35 NA	
A018442_01	-0.317	-0.458	0.103	-0.237	0.023	-0.153	0.319	0.015
A018445_01	-0.047	-0.055	0.128	0.267	0.189	-0.011	-0.019	-0.047
A018446_01	0.519	0.23	0.479	-0.277	0.226	0.174	0.241	0.066
A018448_01	0.326	0.227	-0.125	-0.169	0.174	0.088	-0.162	-0.252
A018450_01	0.991	0.791	0.711	1.422	0.435	0.161	0.738	0.47
A018454_01	0.159	0.053	-0.081	0.126	0.101	0.038	-0.049	-0.16
A018460_01	-0.245	-0.411	-0.922	-0.886	0.087	-0.166	-0.231	-0.465
A018461_01	0.211	0.513	0.148	-0.497	-0.333	-0.126	-0.218	0.105
A018466_01	-0.458	-0.458	0.063	0.398	-0.075	-0.262	0.15	0.126
A018467_01	1.061	1.079	1.316	1.315	0.273	0.333	0.495	0.449
A018477_01	-0.193	-0.042	-0.003	-0.22	-0.193	-0.084	-0.157	-0.213
A018480_01	-0.093	0.095	0.154	-0.45	0.035	0.105	-0.134	-0.028
A018484_01	0.499	0.359	-0.289	-0.216	0.123	0.297	-0.073	0.03
A018486_01	0.145	-0.041	0.285	-0.202	0.332	-0.002	-0.068	-0.167
A018488_01	0.648	0.594	0.006	0.486	0.333	0.36	0.35	0.26
A018497_01	0.19	0.196	0.272	-0.488	0.278	0.283	0.12	0.002
A018499_01	0.462	0.266	0.322	0.036	0.311	0.129	0.01 NA	
A018500_01	-0.111	-0.3	-0.048	0.223	-0.036	-0.286	0.099	-0.116
A018501_01	0.173	0.281	0.346	0.375	0.121	0.226	0.211	0.229
A018502_01	0.025	0.129	0.435	0.333	-0.068	0	0.207	0.176
A018505_01	0.303	0.374	0.05	-0.684	0.281	0.244	0.025	0.024
A018506_01	0.489	0.431	0.244	0.468	-0.246	-0.333	-0.168	-0.333
A018510_01	-0.56	-0.74	-0.394	-0.401	-0.372	-0.382	-0.048	-0.08
A018516_01	-0.383	-0.414	-0.701	-0.867	-0.307	-0.356	-0.298	-0.345
A018517_01	-0.132	-0.324	0.046	0.263	-0.009	-0.212	-0.125	-0.242
A018518_01	0.33	0.289	0.229	0.044	0.172	0.229	-0.222	-0.353
A018519_01	0.211	0.192	0.033	0.008	0.155	0.111	0.015	-0.202
A018520_01	0.368	0.228	0.122	0.317	-0.071	0	0.066	0.111
A018522_01	0.241	0.251	-0.172	0	0.179	0.184	-0.074	-0.051
A018523_01	-0.06	0.082 NA	NA	NA	0.173	-0.12	-0.253 NA	
A018528_01	0.029 NA		-0.161	-0.086	0.172	0.032	-0.208	-0.136
A018530_01	0.527	0.617	0.398 NA		0.114	-0.027 NA	NA	
A018531_01	0.358	0.001	0.137	-0.505	0.284	0.199	0.201	0.186
A018533_01	0.082	-0.298	-0.43	-0.104	0.147	0.147	-0.113	-0.14
A018536_01	0.131	0.165	0.098	0.323	-0.003	0.05	-0.043 NA	
A018545_01	-0.062	-0.05	0.38	-0.138	-0.166	-0.288	0.261	0.013
A018554_01	-0.05	-0.12	0.22	-0.714	0.125	-0.107	0.216 NA	
A018560_01	-0.248	-0.43	-0.295	-0.155	-0.278	-0.156	-0.192	-0.061
A018561_01	0.471	0.506	-0.295	-0.148	0.288	0.22	-0.018	-0.119
A018563_01	0.396	0.073	-0.288	0.168	0.216	0.045	-0.097	-0.263
A018564_01	-0.148	0.038	-0.314	-0.183	0.11	0.038	-0.237	-0.261
A018566_01	0.435 NA	NA		-0.166	0.204 NA		-0.141 NA	
A018568_01	0.762 NA		0.325	-0.025	-0.365 NA		0.295	-0.035
A018575_01	0.323	0.238	0.442	-0.144	0.203	0.195	0.271	0.222
A018581_01	-0.255	-0.344	-0.571	-1.172	0.073	0.04	-0.222	-0.281
A018583_01	-0.323	-0.402	-0.136	0.022	-0.205	-0.391	0.389	0.06
A018587_01	-0.265	-0.366 NA		-0.161	0.067	-0.201	0.031	-0.204
A018589_01	0.126	-0.061	0.453	0.402	0.287	-0.125	0.256 NA	
A018590_01	0.538	0.34	-0.009	-0.437	0.271	0.465	0.245 NA	
A018591_01	-0.08	-0.074	0.142	0.049	0.223	0.074	-0.075	-0.01

A018598_01	-0.083	NA	NA	-0.573	0.048	NA	NA	-0.255
A018600_01	0.098	0.259	-0.996	-0.522	0.001	0.067	-0.024	0.23
A018604_01	0.337	0.437	-0.352	-0.1	0.12	0.094	-0.252	-0.231
A018607_01	-0.884	-0.806	-1.703	-1.459	-0.104	0.137	-0.763	-0.628
A018613_01	-0.601	-0.663	-0.216	0.272	-0.762	-1.131	-0.595	NA
A018617_01	-0.406	-0.655	-0.088	-0.071	-0.096	0.05	-0.08	-0.037
A018618_01	-0.978	-0.763	-0.225	0.019	-0.372	-0.213	-0.145	-0.061
A018620_01	-0.083	-0.241	0.037	0.429	0.022	-0.329	-0.08	-0.073
A018621_01	0.11	0.082	-0.339	-0.242	0.355	0.12	0.002	-0.062
A018625_01	-0.392	-0.387	-0.663	-0.261	0.041	0.108	-0.025	-0.093
A018628_01	-0.1	-0.23	-0.126	-0.435	-0.032	-0.182	-0.061	-0.083
A018630_01	-0.016	-0.138	-0.246	-0.483	0.245	0.198	0.294	0.107
A018635_01	0.184	-0.027	0.06	0.337	0.214	0.085	0.553	0.307
A018637_01	0.169	0.113	0.007	-0.183	0.074	0.241	0.123	0.041
A018638_01	-0.043	-0.154	-0.243	0.011	-0.478	-0.765	-0.243	-0.226
A018647_01	-0.056	-0.206	-0.107	-0.034	-0.197	-0.229	0.194	0.062
A018649_01	-0.062	0.031	0.088	-0.053	0.093	0.15	0.061	-0.099
A018652_01	0.548	0.211	-0.116	-0.26	0.29	NA	-0.004	-0.171
A018655_01	-0.845	-0.762	-1.562	-1.663	-0.314	-0.08	-0.785	-0.748
A018662_01	0.081	-0.225	0.083	0.124	-0.4	-0.783	-0.119	-0.222
A018663_01	-0.233	-0.19	-0.013	0.015	-0.001	-0.115	-0.049	-0.15
A018665_01	-1.166	-0.977	-0.032	-0.431	-0.731	-0.503	0.11	0.145
A018666_01	0.488	0.224	0.171	0.104	0.253	0.205	0.002	-0.305
A018667_01	0.05	-0.062	-0.018	-0.189	0.286	0.251	0.22	0.057
A018672_01	-0.519	-0.7	-0.898	-0.814	-0.583	-0.462	-0.461	-0.489
A018673_01	0.834	0.875	0.337	1.099	0.602	0.861	0.843	0.684
A018675_01	0.524	0.33	0.175	-0.155	0.176	0.239	0.034	0.032
A018678_01	-0.726	-0.64	-0.7	-0.311	-0.429	-0.558	0.003	-0.055
A018682_01	-0.268	-0.063	0.329	0.081	0.026	0.098	-0.075	-0.077
A018686_01	0.805	0.46	0.512	0.276	-0.11	-0.049	0.385	0.308
A018687_01	-0.025	-0.12	NA	NA	0.999	1.249	NA	-1.366
A018688_01	-0.341	-0.537	-0.045	-0.274	0.186	0.104	-0.14	-0.026
A018694_01	0.169	-0.009	-0.166	0.329	-0.34	NA	-0.09	-0.325
A018696_01	0.153	0.135	0.032	-0.476	0.19	0.16	0.165	0.1
A018699_01	-0.092	-0.06	-0.297	-1.01	0.125	0.245	0.081	0.18
A018707_01	0.219	0.067	0.3	-0.28	0.197	0.172	0.174	0.085
A018708_01	-0.087	0.05	0.259	0.369	-0.07	0.1	-0.113	0.045
A018709_01	-1.098	-1.067	-0.956	-1.042	-0.994	-0.767	-0.586	-0.651
A018710_01	0.008	-0.173	-0.421	0.188	0.143	-0.152	-0.23	-0.185
A018711_01	0.288	0.353	0.63	-0.106	0.318	0.347	0.996	0.739
A018712_01	0.24	0.437	0.247	-0.281	0.26	0.388	0.307	0.163
A018714_01	-0.634	-0.622	0.177	0.275	-0.565	-0.593	0.069	0.03
A018715_01	-0.824	-0.878	-0.196	-0.663	-0.236	-0.248	-0.219	-0.296
A018717_01	-0.271	-0.235	0.103	0.339	-0.067	-0.052	-0.104	0.027
A018720_01	0.064	0.125	0.005	-0.355	0.238	0.198	0.091	NA
A018723_01	-0.042	-0.161	0.052	-0.204	-0.059	-0.16	0.251	0.076
A018737_01	0.525	0.43	0.147	-0.401	0.221	0.19	0.174	-0.064
A018742_01	-0.022	0.049	-0.312	-0.298	0.042	-0.041	-0.019	-0.081
A018746_01	0.156	-0.09	0.027	0.337	0.288	0.029	0.178	-0.165
A018753_01	-0.043	-0.101	-0.284	-0.25	0.323	0.096	-0.264	-0.297
A018758_01	0.186	-0.023	0.012	-0.054	0.121	0.077	0.01	-0.051
A018771_01	-0.076	0.013	-0.464	0.02	0.042	0.103	-0.311	-0.249
A018772_01	0.257	0.203	0.139	-0.05	0.017	0.146	-0.118	-0.114
A018774_01	-1.073	-0.839	-0.088	-0.241	-0.157	-0.072	0.19	0.122
A018778_01	-0.106	-0.426	-0.394	0.224	-0.038	-0.146	-0.195	-0.232
A018779_01	-0.024	-0.049	-0.076	-0.165	0.202	-0.017	0.019	-0.413
A018781_01	-1.122	-0.671	-0.654	-1.236	0.477	0.805	-0.24	0.052
A018786_01	0.154	-0.105	-0.036	-0.393	0.099	0.044	-0.046	-0.189
A018793_01	0.16	-0.023	0.174	-0.158	0.235	0.235	-0.034	-0.273
A018795_01	0.353	0.231	-0.249	-0.391	-0.465	-0.441	-0.513	-0.484
A018803_01	-0.641	-1.091	-0.563	-0.54	-0.507	-1.013	-0.921	-0.843
A018807_01	-0.107	NA	-0.026	-0.063	-0.048	NA	-0.157	-0.142
A018809_01	0.346	0.302	0.251	0.231	0.023	-0.119	-0.138	-0.139
A018810_01	0.038	0.155	-0.014	0.043	0.259	0.297	0.218	NA
A018812_01	0.014	-0.11	-0.012	0.217	0.066	-0.106	-0.005	-0.172
A018814_01	-1.128	-1.689	-0.84	-0.891	-0.866	-0.832	-0.642	-0.555
A018815_01	0.246	0.259	-0.059	-0.084	0.241	0.536	-0.197	-0.292
A018816_01	-0.169	-0.061	0.406	-0.071	0.097	-0.035	0.22	-0.062

A018818_01	-0.138	-0.098	-0.017	-0.13	-0.009	0.144	-0.311	-0.105
A018819_01	0.746	0.475	0.385	0.464	0.226	0.303	0.071	-0.14
A018820_01	0.727	0.858	0.285	-0.178	0.436	0.76	0.132	-0.045
A018823_01	-1.97	-1.988	-1.42	-1.343	-0.838	-1.002	-0.947	-0.828
A018826_01	-0.287	-0.521	-0.139	0.082	-0.345	-0.472	-0.266	-0.435
A018827_01	-0.27	-0.608	-0.456	-0.918	-0.132	-0.118	-0.386	-0.507
A018828_01	0.199	0.037	-0.382	0.012	0.003	-0.157	-0.118	-0.213
A018832_01	0.172	0.376	-0.194	-0.006	0.097	-0.034	-0.117	-0.124
A018833_01	0.261	0.347	0.39	0.397	0.18	0.193	0.342	0.134
A018834_01	0.498	0.178	0.204	-0.145	-0.037	0.124	0.094	-0.067
A018840_01	0.376	0.04	-0.024	0.166	-0.067	-0.196	-0.149	-0.095
A018841_01	-0.618	-0.501	-0.41	-0.394	-0.313	0.013	-0.049	0.071
A018842_01	0.637	0.342	0.189	0.031	0.04	0.017	0.049	-0.008
A018844_01	0.082	-0.017	-0.09	0.214	-0.008	-0.034	0.016	-0.036
A018848_01	-0.311	-0.184	-0.178	0.218	0.047	0.054	-0.136	-0.037
A018849_01	-0.267	0.936	0.763	0.882	-0.097	0.174	0.722	0.296
A018851_01	0.293	0.278	0.045	-0.14	0.157	0.188	-0.095	-0.047
A018852_01	0.03	-0.092	-0.086	-0.797	-0.138	-0.233	-0.376	-0.37
A018862_01	0.641	0.574	0.368	-0.032	0.042	0.022	0.201	0.214
A018863_01	0.244	0.011	-0.218	-0.109	0.1	0.131	-0.233	-0.215
A018864_01	0.107	0.102	0.052	-0.442	0.276	0.241	0.208	-0.032
A018867_01	-0.573	-0.62	-0.236	-0.026	-0.191	-0.438	-0.092	-0.146
A018869_01	0.576	0.758	-0.157	0.25	-0.279	-0.062	-0.614	-0.406
A018871_01	0.235	0.029	0.457	0.176	0.189	0.223	0.444	0.312
A018875_01	0.435	0.425	0.275	0.085	0.173	0.4	0.387	0.199
A018889_01	0.21	0.187	-0.183	0.133	0.098	0.016	0.1	-0.094
A018891_01	1.268	1.262	0.624	1.41	-0.81	-1.135	-1.518	-1.262
A018894_01	-0.225	-0.138	0.046	0.301	-0.041	-0.149	0.014	-0.004
A018896_01	-0.042	0.219	-0.011	-0.625	0.073	0.225	0.183	0.216
A018897_01	-0.608	-0.615	-0.278	-0.075	-0.261	-0.217	0.034	0.054
A018899_01	-0.077	-0.109	-0.152	-0.426	-0.163	-0.284	-0.363	NA
A018904_01	0.275	0.424	0.069	0.355	0.083	0.071	-0.019	-0.077
A018906_01	0.765	0.599	0.433	0.342	0.271	0.282	0.04	0.057
A018908_01	0.513	0.253	0.183	-0.063	0.343	0.032	0.153	-0.02
A018909_01	0.125	-0.263	-0.408	0.261	-0.071	-0.336	-0.461	-0.495
A018911_01	-1.374	-1.235	-0.955	-0.936	-0.705	-0.294	-0.349	-0.165
A018912_01	0.158	0.063	0.14	0.172	0.19	0.231	0.071	-0.017
A018914_01	-0.459	-0.549	-0.224	-0.242	-0.206	-0.376	-0.081	-0.199
A018915_01	0.076	0.174	0.428	0.699	-0.053	-0.005	0.465	0.326
A018919_01	0.259	0.261	0.375	-0.295	0.24	0.287	0.288	0.165
A018920_01	0.491	0.252	0.01	-0.033	0.067	0.258	-0.017	-0.063
A018921_01	-0.266	-0.317	-0.935	-0.857	-0.009	-0.188	NA	NA
A018922_01	0.065	-0.087	0.065	0.203	-0.118	-0.296	-0.023	0.023
A018924_01	0.717	0.374	0.49	0.351	0.01	-0.084	0.054	-0.124
A018925_01	-0.009	-0.189	0.182	-0.096	0.094	0.14	-0.462	-0.352
A018931_01	0.391	0.362	0.461	0.383	0.166	0.034	0.053	0.004
A018932_01	-0.06	-0.303	-0.044	-0.572	0.191	0.073	0.172	0.09
A018933_01	-0.839	-0.962	-0.5	-0.741	-0.305	-0.4	-0.382	-0.462
A018934_01	0.798	0.79	0.244	0.996	0.599	0.635	0.861	0.667
A018935_01	-2.459	-2.635	NA	-1.24	-1.469	-1.561	0.057	-0.04
A018936_01	0.047	-0.013	0.042	0.159	0.114	-0.115	-0.015	-0.033
A018937_01	-1.604	-1.864	-0.91	-1.107	-0.356	-0.41	-0.703	-0.497
A018942_01	-0.128	-0.246	-0.652	-0.326	-0.022	0.064	-0.111	-0.14
A018949_01	0.552	0.184	0.181	0.373	-0.092	-0.322	-0.527	-0.44
A018950_01	-0.358	-0.209	NA	0.026	0.179	-0.112	-0.149	0.033
A018952_01	-0.182	0.204	0.177	-0.219	0.395	0.514	-0.049	0.19
A018955_01	-0.054	-0.217	-0.001	0.103	-0.138	-0.259	-0.029	-0.014
A018959_01	0.432	0.044	0.228	0.203	0.3	0.186	-0.153	-0.227
A018961_01	0.132	0.03	-0.022	-0.114	0.15	-0.05	0.241	-0.096
A018963_01	1.047	0.895	0.116	-0.169	0.197	NA	0.1	0.054
A018964_01	0.338	0.127	-0.084	-0.227	0.336	0.324	-0.086	-0.226
A018970_01	0.235	0.258	0.172	0.389	-0.217	-0.218	-0.444	NA
A018973_01	-0.07	-0.172	0.069	-0.129	0.05	-0.142	0.026	0.047
A018974_01	0.814	0.624	0.633	0.625	0.379	0.373	0.108	-0.079
A018975_01	-0.531	-0.564	0.189	0.353	0.079	-0.159	0.048	-0.027
A018979_01	0.623	0.288	0.729	0.71	0.191	0.151	0.315	0.138
A018982_01	-0.173	-0.189	0.01	-0.131	0.107	-0.017	-0.162	NA
A018983_01	0.564	0.482	0.608	0.346	0.088	0.332	0.342	0.102

A018986_01	-0.153	-0.404	0.036	0.146	-0.211	-0.032	0.293	0.006
A018988_01	-0.29	-0.207	0.02	0.07	0.019	-0.114	-0.131	0.065
A018991_01	0.782 NA		0.205	0.544	0.227 NA		0.082	0.166
A018992_01	-0.002	-0.333	0.028	0.323	-0.064	-0.229	0.008	-0.057
A018998_01	0.389	-0.001	-0.11	0.083	0.279	0.161	-0.002	-0.046
A019000_01	-0.042	-0.488	-0.295	-0.319	0.217	0.123	0.022	-0.123
A019002_01	0.64	0.847	1.639	1.74	0.702	0.853	0.008	0.229
A019012_01	-0.175	-0.204	0.081	-0.17	0.09	-0.18	0.025	-0.098
A019014_01	-0.516	-0.435	-0.593	-0.687	-0.225	0.012	-0.277	-0.125
A019017_01	0.556	0.303	-0.084	-0.845	0.291	0.355	0.241 NA	
A019021_01	-0.25	-0.166	0.075	-0.548	-0.254	-0.307	0.016	0.033
A019022_01	-0.112	-0.132	-1.358	-1.123	-0.157	-0.121	-0.476	-0.342
A019026_01	0.488	0.306	0.285	-0.181	0.376 NA		0.32	0.073
A019027_01	0.665	0.563	0.815	0.102	0.254	0	0.357	0.041
A019032_01	-0.903	-0.793	0.295	0.29	-0.74	-1.259	-0.145	-0.04
A019033_01	0.412	0.305	0.286	0.168	0.219 NA		0.4	0.045
A019040_01	-0.109	-0.254	-0.314	0.262	-0.052	-0.085	-0.161	-0.232
A019041_01	-0.303	-0.235	0.182	0.302	-0.129	-0.155	-0.375	-0.062
A019043_01	-0.084	-0.052	-0.348	-0.927	0.419	0.399	-0.466	-0.287
A019046_01	-0.476	-0.349	-0.334	-0.883	0.157	0.318	-0.328	-0.084
A019047_01	0.324	0.339	0.123	-0.186 NA	NA		0.154	0.193
A019049_01	-0.193	-0.128	-0.332	0.138	-0.182	-0.079	-0.112	-0.193
A019050_01	-0.935	-0.843	-0.207	-0.038	-0.172	-0.301	-0.1	-0.157
A019053_01	0.479	0.518	-0.115	0.129	0.213	0.027	-0.097	-0.165
A019057_01	-0.732	-0.474	-0.353	-0.139	0.088	0.114	-0.073	0.007
A019059_01	0.109	-0.452	-0.235	0.389	0.231	-0.201	-0.023	-0.364
A019060_01	0.137	0.14	-0.059	0.162	-0.147	0.165	0.123	0.158
A019064_01	0.046	0.066	-0.161	0.078	0.069	0.031	-0.109	-0.068
A019068_01	0.334	-0.007	0.121	0.129	0.328	0.149	0.295	0.163
A019074_01	-0.467 NA		-0.531	0.084	-0.423 NA		-0.382	-0.193
A019081_01	0.241	0.176	-0.166	-0.128	0.03	0.179	0.1	0.019
A019086_01	-0.425	-0.315	-0.764	-0.705	-0.265	-0.197	-0.396	-0.288
A019089_01	-0.027	0.406	-0.054	-0.427	-0.027	0.205	0.238 NA	
A019092_01	0.552	0.621	-0.105	-0.253	0.426	0.278	0.034	0.12
A019094_01	-0.306	-0.255	-0.818	-0.666	-0.085	-0.119	-0.259 NA	
A019098_01	0.02	-0.156	0.312	0.093	0.148	-0.146	0.285	-0.079
A019106_01	-0.092	-0.255	0.128	-0.018	0.189	-0.176	-0.208	-0.266
A019110_01	-0.124	-0.047	-0.119	-0.235	-0.2	0.008	-0.294	-0.055
A019116_01	-0.248	-0.122	-0.398	0.142	0.104	0.142	-0.122	-0.009
A019127_01	-0.468	-0.702	-0.243	0.071	-0.68 NA		-0.195	-0.258
A019139_01	-0.198	-0.026	-0.519	-0.154	-0.566	-0.172	-0.318	-0.189
A019143_01	0.153	-0.042	0.193	0.204	0.143	-0.265	0.261	0.007
A019145_01	0.17	0.499	1.008	0.714	-0.556	-0.976	0.018	-0.025
A019146_01	-0.086	-0.263	0.207	0.061	-0.075	-0.43	-0.151	-0.295
A019151_01	-0.329	-0.244	-0.312	0.095	0.132	0	0.006	-0.2
A019155_01	-0.113	-0.247	0.331	0.129	0.12	0.036	0.128	-0.016
A019171_01	0.474	0.399	-0.209	-0.127	0.063	0.538	0.007	0.121
A019174_01	0.056	0.075	0.152	-0.704	0.222	0.307	0.029	0.18
A019181_01	0.379	0.044	-0.227	0.067	0.239	0.133	0.049	-0.074
A019186_01	0.9	0.87	0.761	1.226	-0.045	-0.24	0.661	0.331
A019187_01	0.272	0.412	0.264	-0.14	0.096	0.086	-0.06	0.03
A019188_01	0.063	-0.094	-0.125	0.093	-0.094	-0.436	0.097	0.046
A019192_01	0.514	0.384	-0.232	0.061	0.363	0.222	0.022	-0.196
A019196_01	-0.138	0.064	0.312	0.154	0.358	0.092	0.168	0.113
A019200_01	0.225	-0.089	-0.38	0.448	0.118	-0.051	-0.388	-0.447
A019206_01	0.174	0.082	0.187	-0.139	0.295	0.085	0.17	-0.096
A019211_01	0.118	0.091	-0.371	-0.115	-0.054	0.163	-0.179	-0.114
A019213_01	-1.028	-0.189	0.294	-0.522	-0.381	0.048	0.101	0.368
A019216_01	-0.118	-0.016	0.28	0.367	0.205	-0.018	-0.066	-0.15
A019229_01	0.304	0.438	0.033	-0.029	0.324	0.264	-0.014	-0.101
A019231_01	0.251	0.484	0.135	-0.281	0.244	0.118	-0.031 NA	
A019244_01	0.025	0.039	-0.026	0.112 NA		-0.043	0.01	-0.087
A019247_01	-0.64	-0.424	-0.063	0.229	0.32	0.51	0.608	0.571
A019249_01	0.189	0.102	-0.255	-0.259	-0.093	0.013	-0.038	-0.188
A019252_01	-0.857	-0.68	-0.15	-0.354	-0.099	0.134	-0.163	0.083
A019253_01	-0.145	-0.173	-0.151	0.25	0.048	-0.188	-0.053	-0.225
A019255_01	0.143	0.021	-0.118	-0.127	0.142	0.373	0.108	-0.129
A019261_01	-0.097	-0.108	0.294	0.049	-0.209	-0.225	0.181	-0.084

A019274_01	-0.351	-0.362	-0.35	0.225	NA	0.243	-0.231	-0.27
A019281_01	0.627	0.439	0.526	0.454	0.446	0.512	0.197	0.069
A019289_01	-0.008	0.045	-0.209	0.036	0.001	-0.065	-0.066	-0.072
A019291_01	-0.145	0.04	-0.252	-0.46	0.126	-0.165	0.059	-0.028
A019293_01	0.468	0.299	0.036	-0.813	0.155	0.362	0.206	0.173
A019301_01	0.309	0.478	0.425	-0.833	0.159	0.435	0.236	0.198
A019303_01	0.137	0.133	0.047	-0.16	0.019	0	0.021	-0.129
A019305_01	0.764	0.71	0.161	0.248	-0.46	-0.558	-0.351	-0.385
A019308_01	-0.354	-0.543	0.039	-0.099	0.155	0.131	0.386	0.408
A019312_01	0.282	0.29	0.126	-0.566	-0.111	0.081	0.143	0.195
A019318_01	-0.24	-0.162	-0.533	-0.433	-0.076	0.099	-0.069	-0.085
A019324_01	0.436	0.286	-0.105	0.088	NA	-0.301	-0.451	-0.405
A019325_01	-0.342	-0.415	0.103	0.173	-0.317	-0.378	0.446	0.39
A019326_01	0.026	0.027	-0.183	0.014	-0.346	-0.26	-0.119	NA
A019328_01	-0.647	-0.686	-0.092	-0.287	-0.526	-0.66	-0.208	-0.301
A019330_01	0.368	0.165	-0.07	0.137	0.081	0.042	-0.079	-0.085
A019331_01	-1.839	-1.939	-1.662	-2.17	-0.809	-0.789	-0.761	-0.635
A019336_01	0.395	0.36	0.381	0.323	0.335	0.299	0.01	-0.062
A019338_01	0.231	0.339	-0.112	-0.178	0.008	0.197	0.058	NA
A019340_01	-0.202	-0.153	-0.124	-0.173	NA	-0.05	-0.209	-0.032
A019343_01	-0.279	-0.356	0.007	-0.128	0.042	0	0.131	0.089
A019353_01	0.471	0.284	0.029	-0.288	0.091	-0.094	0.015	-0.183
A019356_01	0.189	NA	NA	-0.426	0.591	0.607	-0.272	NA
A019358_01	-0.414	-0.427	-0.041	-0.377	-0.076	-0.068	0.4	0.302
A019361_01	0.212	0.193	0.142	-0.492	0.298	0.282	0.139	NA
A019367_01	0.143	0.188	0.137	-0.154	0.063	-0.101	0.052	-0.123
A019372_01	-0.541	-0.41	-0.286	0.056	0.02	0	0.006	-0.052
A019383_01	-0.376	-0.428	-0.058	-0.699	-0.092	0.057	0.165	0.098
A019387_01	0.303	0.3	0.252	0.417	0.062	0.13	-0.042	-0.13
A019395_01	-0.24	-0.416	-0.762	-0.828	0.007	-0.294	-0.656	-0.571
A019398_01	0.575	0.685	0.382	0.222	-0.018	0.187	0.287	0.176
A019400_01	0.77	0.684	0.138	0.346	0.004	0.131	-0.193	-0.221
A019403_01	0.297	0.139	0.005	-0.518	0.256	0.228	0.078	NA
A019407_01	-0.447	-0.407	-0.849	-0.79	-0.198	-0.234	-0.208	-0.275
A019411_01	-0.454	-0.409	-0.433	0.004	-0.109	NA	-0.062	-0.095
A019414_01	-0.297	-0.186	-0.26	-0.252	-0.088	-0.127	-0.276	-0.159
A019419_01	0.203	0.096	0.097	-0.405	0.104	-0.145	0.062	-0.026
A019423_01	-0.45	-0.517	-0.633	-0.476	-0.181	-0.31	-0.194	-0.224
A019424_01	-0.285	-0.876	-0.328	-0.3	NA	NA	-0.154	-0.136
A019425_01	-0.748	-0.429	0.069	-0.488	0.629	0.827	0.468	0.52
A019428_01	0.185	0.383	0.477	0.108	0.245	0.355	0.158	0.057
A019429_01	-0.538	-0.195	0.346	0.351	0.262	0.427	-0.014	0.183
A019431_01	0.516	0.365	0.075	0.255	0.33	0.141	0.123	-0.083
A019436_01	-0.454	-0.193	-0.136	-0.317	-0.296	-0.115	-0.112	0.141
A019438_01	0.18	0.136	-0.151	0.119	-0.002	0.05	0.008	0.045
A019442_01	-0.136	-0.247	0.014	0.076	-0.043	-0.322	0.152	0.051
A019443_01	-0.01	-0.089	-0.313	0.271	-0.26	-0.545	-0.331	-0.344
A019444_01	-0.903	-0.29	-0.242	-0.239	-0.253	0.112	-0.471	-0.085
A019445_01	0.346	0.078	-0.484	-0.221	0	0.219	-0.036	-0.039
A019447_01	-0.029	0.277	-0.179	0.032	0.037	0.051	0.065	0.189
A019451_01	-2.086	-1.66	-0.175	-0.643	-0.997	-0.51	0.019	0.413
A019456_01	0.078	0	0.106	-0.25	-0.119	-0.101	-0.039	-0.111
A019457_01	-0.238	0.034	-0.195	-0.585	-0.135	0.148	-0.323	-0.09
A019458_01	-0.723	-0.544	0.051	0.046	-0.353	-0.475	-0.124	-0.119
A019460_01	-0.09	0.022	-0.331	-0.581	0.109	0.207	-0.022	-0.049
A019461_01	0.441	0.429	0.423	0.503	0.266	0.387	-0.126	-0.112
A019465_01	0.288	-0.076	-0.223	0.021	0.115	NA	0.076	-0.136
A019466_01	0.271	0.206	0.165	-0.717	0.454	0.473	0.18	0.052
A019469_01	0.15	-0.03	-0.367	0.024	-0.27	-0.067	-0.168	-0.07
A019472_01	-2.58	-2.455	-2.607	-2.699	-1.295	-1.051	-1.553	-1.149
A019474_01	-0.653	-0.596	-0.885	-1.014	-0.379	-0.299	-0.332	-0.271
A019475_01	-0.117	-0.327	0.145	-0.213	0.087	-0.162	0.04	NA
A019480_01	0.451	0.392	-0.023	0.159	-0.007	-0.168	-0.251	-0.395
A019485_01	-0.076	0.016	0.378	NA	0.316	0.367	0.092	NA
A019491_01	-0.482	-0.372	0.056	0.275	-0.479	-0.767	-0.163	-0.007
A019493_01	-0.041	-0.155	-0.01	0.396	0.261	0.209	0.522	0.286
A019495_01	0.476	0.218	0.093	-0.574	0.262	0.43	0.332	0.133
A019496_01	-0.693	-0.786	-0.082	-0.106	-0.515	-0.607	-0.085	-0.096

A019497_01	-0.078	-0.06	0.169	0.068	0.181	0.252	0.128 NA	
A019500_01	0.473	0.08	0.019	0.004	0.239	0.361	-0.208	-0.17
A019502_01	0.003	0.113	-0.042	-0.221	0.162	0.251	0.232	0.273
A019505_01	0.174	0.091	-0.279	0.065	-0.015	-0.006	-0.197	-0.161
A019510_01	-0.449	-0.328	-0.13	-0.062	-0.329	-0.215	-0.129	-0.035
A019513_01	0.2	0.12	0.157	0.188	0.582	0.452	-0.239	-0.309
A019514_01	-0.039	-0.159	0.061	0.043	0.047	0.021	-0.176	-0.061
A019515_01	-0.474	-0.534	-0.382	-0.535	-0.342	-0.232	-0.251	-0.169
A019517_01	0.088	0.034	0.218	-0.116	-0.004	-0.147	0.459	0.175
A019520_01	-0.734	-0.726 NA	NA		-0.383	-0.364	-0.833 NA	
A019521_01	0.568	0.571	0.353	0.005	0.24	0.177	-0.123 NA	
A019524_01	-0.737	-0.67	-0.499 NA		-0.316	-0.542	-0.725 NA	
A019525_01	0.387	0.229	0.303	0.357	0.2	0.178	0.213	-0.022
A019526_01	-0.073	-0.34	-0.103	-0.141	-0.026	-0.317	0.089	0.016
A019531_01	0.333	-0.244	0.207	-0.607 NA		0.121	0.506	0.261
A019532_01	-0.919	-1.091	-0.734 NA		-0.799	-0.52	-0.163	0.033
A019537_01	-0.447	-0.579	-0.066	-0.073	-0.288	-0.277	-0.301	-0.267
A019538_01	0.391	0.481	-0.099	0.257	-0.381	-0.603	-0.07	-0.022
A019543_01	-0.602	-0.704	-0.526	-0.263	0.207	0.127	0.732	0.603
A019544_01	0.492	0.478	0.475	0.415	0.553	0.62	0.37	0.258
A019556_01	-0.083 NA		-0.348	-0.266	-0.11 NA		0.261	0.14
A019557_01	-0.167	-0.24	-0.335	-0.033	-0.177	-0.17	-0.125	-0.046
A019559_01	-0.502	-0.518	-0.473	-0.548	-0.207	-0.404	-0.346	-0.511
A019560_01	-0.453	-0.498	-0.436	-0.597	-0.003	-0.074	-0.333	-0.184
A019562_01	-1.686	-2.038	-0.71	-0.54	-1.705	-2.6	-1.886	-1.415
A019566_01	-0.14	-0.069	-0.801	0.025	-0.209	-0.239	-0.505	-0.323
A019568_01	-0.535	-0.243	0.165	0.164	-0.052	-0.188	0.009	0.082
A019571_01	-0.171	-0.153	0.299	-0.094	-0.06	-0.176	0.072	0.11
A019572_01	-0.292	-0.55	-0.265	-0.455	-0.05	-0.362	0.137	0.046
A019573_01	-0.106	-0.136 NA		0.092	-0.084	-0.092	-0.246 NA	
A019575_01	-0.047	-0.087	0.193	0.024	0.054	0.606	0.317	0.24
A019576_01	-0.384 NA		-0.623	-1.057	-0.177 NA		-0.491	-0.243
A019578_01	-1.234	-1.493	-0.283	-0.781	0.138	-0.146	0.319	0.348
A019579_01	0.152	0.091	-0.013	-0.372	0.323	0.151	0.227	0.11
A019580_01	0.544	0.439	0.323	0.918	0.294	0.262	-0.01	-0.003
A019582_01	-0.166 NA	NA		-0.013	0.295 NA		0.183	0.002
A019583_01	-0.594	-0.731	-0.472	-0.369	-0.145	-0.334	0.012	-0.226
A019584_01	-0.595	-0.486	-0.128	-0.17	-0.072	-0.12	-0.311	-0.302
A019585_01	-0.213	-0.397	-0.773	-0.503	0.048	-0.034	-0.543	-0.548
A019587_01	0.294	0.457	0.661	1.145	0.802	0.989	0.769	0.741
A019589_01	0.082	-0.181	-0.236	-0.08	0.051	-0.216	-0.052	-0.191
A019590_01	0.172	0.1	0.048	0.256	0.109	-0.009	-0.068	-0.132
A019591_01	0.786	0.471	0.433	0.476	0.326	0.332	0.458	0.29
A019592_01	-0.327	-0.146 NA	NA		-0.113	-0.079	-0.125 NA	
A019597_01	0.238	0.29	-0.111	-0.015	-0.015	0.175	0.005	-0.082
A019602_01	-0.312	-0.132	0.16	0.71	-0.377	-0.522	-0.457	-0.323
A019604_01	0.755	0.588	-0.171	0.286	-0.197	0.27	-0.103	-0.055
A019606_01	-0.745	-0.714	-0.362	0.119	-0.309	-0.32	-0.485	-0.567
A019608_01	0.528	0.837	1.079	1.196	1.051	1.238	0.621	0.898
A019609_01	0.372	0.197	-0.361	-0.26	0.217	0.312	0.02	0.018
A019611_01	1.045	1.072	0.674	1.108	0.427	0.78	0.198	0.161
A019612_01	-0.29	-0.423	-0.605	-0.268	-0.006	-0.067	-0.199	-0.232
A019614_01	0.083	0.014	0.289	0.138	-0.082	-0.26	0.033	-0.083
A019615_01	0.206	0.068	0.101	-0.001	0.042	-0.273	0.019 NA	
A019617_01	0.606	0.582	-0.035	0.154	0.076	0.214	0.193	-0.006
A019618_01	-0.393 NA		-0.305	-0.093	-0.069 NA		0.2	0.058
A019619_01	0.077	0.051	0.251	-0.227	0.144	0.139	0.026	-0.1
A019621_01	0.286	0.247	0.048	0.002	0.129	-0.016	0.027	-0.307
A019625_01	0.749	0.648	0.664	0.159	0.42	0.551	0.346	0.364
A019626_01	0.548	0.388	0.268	0.02	0.091	0.465	0.247	0.136
A019630_01	0.211	-0.233	-0.167	0.177	0.04	-0.449	-0.13	-0.38
A019632_01	-0.148	-0.135	0.008 NA		-0.055	-0.169	-0.223 NA	
A019633_01	-0.642	-0.953 NA	NA		-0.297	-0.714	-0.391 NA	
A019635_01	0.257	0.319	-0.18	-0.047	0.282	0.237	-0.028	-0.145
A019636_01	-1.218	-0.376	0.108	-0.307	-0.418	-0.026	-0.194	0.295
A019638_01	-0.417	-0.364	-0.179	0.078	-0.336	-0.235	-0.229	0.009
A019640_01	-0.049	-0.089	0.291	0.224	-0.448	-0.601	0.092 NA	
A019641_01	0.434	0.048	-0.065	0.057	-0.069	-0.408	-0.314	-0.341

A019642_01	-1.655 NA		-0.57	-0.417	-1.378 NA		-0.302	-0.313
A019645_01	-0.363	-0.386	-0.127	0.059	-0.139	-0.161	0.023	0.01
A019649_01	-0.193	-0.21	-0.379	0.138	-0.142	-0.269	-0.301	-0.207
A019650_01	-0.67	-1.795	-0.993	-0.839	0.059	-0.106	-0.01	0.017
A019654_01	-0.565	-0.652	-0.362	0.008	-0.249	-0.38	-0.041	-0.062
A019655_01	0.305 NA		-0.225	-0.709 NA	NA		-0.111	-0.16
A019659_01	0.231	0.087	0.37	0.26	0.605	0.474	0.187 NA	
A019662_01	0.105	0.262	-0.07	0.045	0.032	-0.004	-0.164	-0.13
A019663_01	-0.928	-1.392	-0.398	-0.287	-0.29	-0.489	-0.053	-0.134
A019666_01	-0.555	-0.709	0.058	-0.194	-0.678	-1.129	0.069	0.07
A019668_01	-0.186	-0.052	-0.77	-0.554	0.463	0.737	0.124	0.153
A019672_01	-0.517	-0.448	-0.143	-0.306	-0.453	-0.655	-0.358	-0.407
A019674_01	0.076	0.036	-0.04	-0.31	0.043	0.001	-0.108	-0.147
A019675_01	-0.243	-0.404	-0.23	-0.281	0.021	-0.086	0.077	-0.015
A019677_01	-0.309	-0.26	0.263	0.115	-0.079	-0.151	0.061	-0.089
A019678_01	-0.891	-0.485	1.036	1.475	1.455	1.56	0.632	1.033
A019679_01	-0.178	-0.53	-0.203	-0.269	-0.003	-0.323	-0.142	-0.532
A019680_01	-1.437	-1.361	-0.394	0.142	-2.007	-2.346	-0.661	-0.462
A019681_01	-0.084	-0.067	0.306	0.156	0.19	0.173	0.005	0.016
A019683_01	0.306	0.142	0.146	0.256	0.091	-0.168	-0.101	-0.209
A019684_01	-0.278	-0.269	-0.03	0.012	0.075	0.064	0.048	-0.006
A019686_01	-0.714	-1.373	-0.468	-0.716	0.073	-0.453	0.064	-0.145
A019691_01	-0.124 NA		-0.066	0.222	-0.087 NA		-0.051	0.046
A019692_01	-2.557	-2.716	-1.462	-1.037	-1.955	-1.968	-0.951	-0.638
A019695_01	0.522	0.533	0.391	-0.368	0.392	0.42	0.151	-0.008
A019698_01	-1.054	-1.057	-0.579	-0.62	-0.285	-0.057	-0.265	-0.124
A019699_01	0.066	-0.081	-0.181	-0.289	0.001	-0.134	-0.073 NA	
A019707_01	0.59	0.339	0.198	-0.026 NA	NA		0.035	-0.278
A019710_01	0.795	0.674	-0.069	0.323	0.13	0.386	-0.167	-0.137
A019712_01	-0.027	0.083	-0.3	-0.324	-0.115	-0.061	-0.097	-0.179
A019713_01	0.28	0.162	0.057	-0.453	-0.059	0.149	-0.15	-0.123
A019714_01	-0.286	-0.133	-0.221	-0.208	-0.221	-0.161	-0.459	-0.31
A019718_01	0.204	-0.034	0.312	0.769	-0.001	-0.237	0.033	-0.158
A019719_01	0.106	-0.158	-0.361	-0.16	0.028	0.112	-0.09	-0.032
A019724_01	-0.395	-0.58	-0.149	-0.066	0.443	0.433	0.547	0.465
A019725_01	0.424	0.442	0.452	0.708	0.714	0.716	0.564	0.459
A019726_01	-0.055	0.096	-0.322 NA		0.163	0.129	0.535	0.21
A019730_01	-0.239	0.374 NA		0.436	-0.002	0.039	0.461	0.307
A019732_01	-0.515	-0.289	0.169	-0.026	-0.194	-0.075	-0.028	0.004
A019733_01	-0.579	-0.417	-0.016	0.149	-0.089	-0.285	-0.021	0.171
A019734_01	0.7	0.488	0.358	0.322	0.456	0.389	0.586	0.166
A019738_01	0.422	0.318	-0.096	0.171	0.195	0.325	-0.026	-0.006
A019741_01	0.316	0.544	0.481	0.725	-0.014	-0.106	-0.035	0.087
A019744_01	-0.084	-0.21	-0.139	0.155	0.039	-0.297	-0.019	0.026
A019745_01	0.625 NA		0.474	0.818	0.149 NA		-0.735	-0.625
A019748_01	0.43	0.471	0.674	0.173	-0.817	-0.704	0.45	0.499
A019749_01	0.028	-0.141	-0.111	0.191	0.12	-0.102	0.012	-0.094
A019750_01	0.188	0.126	0.222	0.335	0.017 NA		0.074 NA	
A019751_01	-0.177	0.014	-0.093	-0.27	0.02	0.295	-0.142	-0.103
A019754_01	-0.134	-0.088	0.272	-0.267	0.208	0.2	0.099	-0.044
A019755_01	-0.767	-0.975	0.373	0.437	-0.919	-1.349	0.201	0.092
A019756_01	-0.325	0.015	0.085	0.287	-0.187	-0.077	-0.198	-0.088
A019758_01	-2.947	-3.259	-2.85	-3.237	-1.944	-2.178	-0.906	-0.752
A019761_01	-0.098	-0.101	0.52	0.359	-0.125	-0.353	0.738	0.698
A019763_01	0.498	0.413	0.108	0.093	0.048	0.177	0.451	0.319
A019766_01	-0.328	-0.097	-0.286	0.312	-0.276	-0.28	-0.231	0.083
A019768_01	0.636	0.743	0.252	-0.372	0.086	0.233	0.001	-0.019
A019771_01	-0.29	-0.374	0.251	0.133	-0.777	-0.877	0.039	-0.03
A019774_01	-0.029	-0.09	-0.104	0.212	-0.349	-0.475	-0.168	-0.266
A019779_01	0.492	0.137	0.704	0.703	0.381 NA		0.264	-0.138
A019781_01	-0.421	-0.821	-0.687	-1.126	-0.37	-0.892	0.037	-0.149
A019783_01	-0.079	-0.268	0.372	0.057	0.183	-0.115	0.125	-0.027
A019785_01	-0.858	-1.173	-0.963	-1.051	-0.011 NA		-0.166	-0.229
A019791_01	-0.015	0.057	-0.541	-0.341	0.351	0.321	0.219	0.081
A019793_01	-0.172	-0.499	-0.111	0.238	-0.271	-0.322	-0.095	-0.105
A019794_01	0.06	0.049	-0.053	-0.319	0.335	0.4	0.152	0.102
A019796_01	0.054	-0.058	0.185	0.075	0.001	0.077	0.115	-0.026
A019797_01	0.274 NA		0.07	-0.223	0.109 NA		0.266	0.325

A019799_01	-0.134 NA		-0.28	0.182	0.012 NA		0.127	-0.028
A019801_01	0.131	0.173	-0.004	-0.055	-0.106	0.186	-0.064	0.119
A019805_01	0.254	0.132	-0.532	0.097	-0.21	-0.014	-0.146	-0.144
A019806_01	-0.494	-0.239	-0.063	0.093	-0.07	0	0.02	0.031
A019810_01	-0.159	-0.45	-0.675	-0.391	0.026	0.07	-0.293	-0.244
A019812_01	-0.134	-0.207	-0.629	-0.775	0.043	0.38	-0.266	-0.089
A019813_01	-0.367	-0.37	-0.514	0.446	-0.263	-0.683	-0.352 NA	
A019815_01	0.043	-0.189	0.064	-0.387	0.153	0.014	0.123	-0.03
A019818_01	0.511	0.714	0.352	0.555	-0.137	-0.162	0.407	0.365
A019820_01	0.26	-0.102	-0.352	0.226	-0.093	-0.329	-0.036	-0.139
A019822_01	-0.003	-0.005	-0.095	-0.239	0.252	0.416	0.203	0.098
A019823_01	-0.45	-0.257	-0.105	0.067	-0.26	0.042	-0.204	-0.086
A019826_01	0.118	0.251	0.301	-0.139	0.07	0.105	0.363	0.249
A019828_01	0.189	0.121	0.209	0.706	-0.064	-0.307	-0.156	-0.334
A019829_01	-0.162	0.141	-0.033	0.281	-0.007	0.254	-0.052	0.088
A019830_01	0.098	-0.038	0.234	0.323	-0.092	-0.094	-0.011	-0.284
A019831_01	-0.495	-0.472	-0.333	-0.663	0.039	0.01	-0.135 NA	
A019834_01	0.323	-0.112	-0.003	0.121	-0.354	-0.595	-0.279	-0.242
A019840_01	0.33	0.33	0.006	0.417	-0.383	-0.372	-0.242	-0.273
A019842_01	0.463	0.639	-0.099	0.216	0.111 NA		-0.078 NA	
A019843_01	-0.691	-0.602	-1.011	-0.589	-1.192	-1.451	0.111	0.101
A019846_01	-0.23	0.105	0.74	0.374	0.299	0.054	0.142	0.142
A019848_01	-0.535	-0.347	-0.184	-0.434	-0.091	-0.192	-0.043	-0.196
A019851_01	-0.72	-0.632	0.153	-0.304	0.101	-0.07	0.566	0.282
A019854_01	-0.319	0.226	0.943	0.454	0.064	0.323	0.496	0.522
A019855_01	0.638	0.738	0.724	1.005	0.516	0.57	0.552	0.449
A019857_01	-0.128	-0.334	-0.143	0.199	0.033	-0.168	-0.18	-0.265
A019858_01	-0.052	-0.079	0.348	0.399	-0.188	-0.195	0.299	0.517
A019861_01	-1.128	-1.018	-0.804	-0.319	-0.959	-1.047	-0.499	-0.225
A019865_01	-0.027	-0.145	-0.37	-0.799	0.201	0.194	0.085 NA	
A019866_01	-0.843	-0.476	0.08	0.104	-0.893	-1.014	-0.293 NA	
A019870_01	-0.007	0.01	0.031	-0.33	0.078	0.11	0.081	0.101
A019872_01	0.401	0.327	0.299	0.362	0.175	0.247	0.26 NA	
A019874_01	-0.654	-0.456	0.239	0.111	0.229	0.326	-0.665	-0.416
A019876_01	0.235	0.154	-0.057	-0.216	0.071	0.217	0.052	-0.122
A019877_01	0.386	0.23	0.095	0.269	-0.016	0.159	0.031	0.042
A019880_01	-0.561	-0.313	-0.431	-0.742	-0.221	-0.046	-0.081	-0.076
A019882_01	0.321	0.278	-0.583	0.31	-0.244	-0.343	-0.568	-0.411
A019885_01	0.211	0.162	-0.479	0.443	-0.001	-0.085	-0.389	-0.177
A019886_01	0.189	-0.007	-0.764	-0.316	0.151	0.263	0.063	0.085
A019887_01	0.264	0.244	-0.225	0.2	-0.399	-0.374	-0.323	-0.174
A019891_01	0.461 NA		-0.162	-0.146	0.033 NA		-0.14	-0.203
A019892_01	-0.459	-0.583	-0.394	-0.625	-0.669	-0.606	0.214	0.155
A019893_01	-2.089	-2.193	-0.693	-0.936	-0.473	-0.486	0.045	0.023
A019894_01	0.226	0.487	0	-0.109	-0.16	0.243	-0.113	0.269
A019895_01	0.921	0.762	0.688	1.143	0.903	0.841	-0.411	-0.407
A019897_01	-0.086 NA		0.245	0.44	0.022 NA		0.002	-0.016
A019898_01	-0.16	0.119	-0.198	-0.244	-0.294	-0.083	-0.02	0.037
A019899_01	0.194	0.304	-0.094	0.048	0.033	0.048	-0.005	-0.063
A019900_01	0.099	0.158	0.085	-0.084	0.225	0.257	0.074	-0.032
A019901_01	0.458	0.466	0.16	-0.374	0.093	0.256	0.01	0.049
A019904_01	0.144	0.011	-0.281	-0.271	-0.008	-0.082	-0.225	-0.306
A019905_01	-0.025	0.157	-0.545	-0.041	-0.015	-0.004	-0.164	0.01
A019916_01	0.14	0.374	0.443	0.148	0.263	0.316	0.26	0.438
A019918_01	-0.13	-0.31	-0.407	0.469	-0.053	-0.212	-0.069 NA	
A019919_01	-0.132	-0.012	-0.542 NA		0.741	0.89	0.39 NA	
A019923_01	-0.353	-0.59	-0.687	-0.218	-0.124	-0.041	0.058	-0.085
A019926_01	-0.184	-0.556	0.014	-0.273	0.204	0.126	-0.124 NA	
A019927_01	0.165 NA		0.037 NA		0.07 NA		0.163 NA	
A019929_01	-0.108	-0.119	0.094	0.101	-0.241	-0.244	-0.077	-0.239
A019934_01	0.219	0.549	0.561 NA		0.008	0.212	0.287	0.397
A019935_01	-0.078	-0.09	-0.032	0.283	-0.089	-0.049	-0.18	-0.239
A019936_01	0.16	-0.038	-0.184	-0.143	-0.158	-0.162	0.002	-0.017
A019940_01	-0.749	-0.573	-0.398	-0.333	-0.282	-0.198	0.23	0.212
A019941_01	0.356	0.347	0.507	0.359	0.235	0.295	0.417	0.27
A019942_01	-1.223	-0.918	-0.915	-0.875	-0.699	-0.682	-0.157	-0.137
A019943_01	0.174 NA		0.368	0.17	-0.258 NA		0.2	-0.168
A019944_01	0.718	0.456	0.335	0.391	0.138	0.402	0.297 NA	

A019946_01	0.609	0.609	0.268	-0.195	0.285	0.39	0.256	-0.013
A019947_01	0.106	0.061	0.064	0.319	0.14	-0.094	0.026	-0.14
A019949_01	-0.404	-0.116	0.148	-0.107	-0.416	-0.18	0.075	0.294
A019952_01	-0.283	-0.38	-0.369	-0.24	-0.082	-0.19	-0.063	-0.101
A019953_01	-0.727	0.128	0.283	-0.08	-0.499	0.058	-0.107	0.604
A019954_01	0.058	-0.056	-0.383	-0.054	0.487	0.342	0.121	-0.102
A019957_01	0.414	0.516	0.343	0.695	0.56	0.557	-0.171	-0.085
A019958_01	-0.007	-0.217	-0.145	-0.007	0.107	-0.167	0.02	-0.141
A019964_01	-1.548	-1.647	-0.537	-0.543	-0.581	-0.545	0.085	0.222
A019965_01	0.126	0.145	-0.261	0.037	-0.126	-0.05	-0.27	0.06
A019968_01	-0.231	-0.223	-0.299	-0.062	-0.111	-0.254	-0.15	-0.068
A019969_01	-0.239	-0.154	-0.209	-0.098	-0.029	-0.123	-0.05	-0.094
A019970_01	-0.327	-0.197	-0.239	0.182	-0.325	-0.341	-0.453	-0.246
A019971_01	-0.88	-0.468	-0.5	-0.706	-0.5	-0.121	-0.768	-0.197
A019972_01	0.374	0.324	0.092	0.046	0.073	0.105	0.132	-0.051
A019973_01	0.003	-0.371	-0.305	0.228	-0.033	-0.175	-0.18	-0.099
A019975_01	-0.665	-0.647	-0.56	-0.613	-0.365	-0.396	-0.173	-0.081
A019976_01	-2.354	-2.61	-1.535	-1.869	-1.78	-2.149	-0.556	-0.289
A019977_01	-0.378	-0.389	0.04	-0.008	0.055	-0.178	-0.054	0.078
A019978_01	0.538	0.374	0.413	-0.227	0.38	0.585	0.182 NA	
A019982_01	0.481	0.451	-0.268	0.159	-0.029	0.025	-0.071	-0.034
A019983_01	-0.104	-0.059	0.101	0.256	0	-0.101	-0.054	-0.007
A019985_01	-0.139	-0.152	-0.368	-0.06	-0.102	-0.071	-0.018	-0.169
A019987_01	0.019	-0.045	-0.33	0.2	0.237 NA		-0.3	0.061
A019991_01	0.022	0.048	-0.023	0.348	-0.309	-0.363	-0.194	-0.25
A019995_01	0.274	-0.718	-0.58	-0.85	0.213	0.075	-0.209	-0.198
A019997_01	-0.364	-0.049	0.169	0.332	0.145	0.117	-0.001	0.01
A020001_01	-0.196	0.191	0.082	-0.058	-0.502	-0.52	-0.472	-0.086
A020005_01	-0.041	-0.178	-0.069	-0.249	0.296	0.554	0.684	0.401
A020008_01	-1.358	-1.23	-0.732	-1.066	-1.087	-1.271	-0.642 NA	
A020009_01	-0.242	-0.365	0.119	-0.12	0.042	-0.118	-0.085	-0.151
A020012_01	-0.081	0.042	0.702	0.889	-0.506	-0.614	-0.908 NA	
A020014_01	-0.167	-0.173	-0.104	0.254	-0.461	-0.814	0.111	0.091
A020016_01	-0.076	0.355	0.394	0.837	-0.121	-0.083	-0.137	0.084
A020017_01	-0.951	-1.29	0.375	0.267	0.892	0.92	0.422	0.226
A020022_01	-1.093 NA		-1.008	-0.927	-0.537 NA		-0.492	-0.624
A020023_01	0.22	0.061	-0.108	-0.034	0.102	0.226	-0.097	-0.117
A020025_01	0.134	0.036	-0.089	0.185	0.12	-0.036	-0.031	-0.194
A020031_01	0.689	0.579	-0.006	-0.424	-0.188	-0.116	-0.181	-0.18
A020033_01	-0.985	-1.213	-0.649	-1.166	-0.37	-0.388	-0.204	-0.029
A020035_01	0.037	0.066	0.882	0.964	0.144	0.052	0.73	0.631
A020036_01	0.453	0.249	-0.065	-0.711	0.283	0.461	0.034	0.048
A020037_01	0.149	0.084	-0.018	0.199	0.127	0.242	0.035	0.075
A020039_01	0.191	0.143	0.63	0.335	-0.234	-0.796	0.089 NA	
A020041_01	-0.097	-0.035	-0.038	0.476	-0.137 NA		0.249	0.148
A020042_01	-0.234	-0.267	-0.388	-0.565	0.002	-0.245	-0.192 NA	
A020043_01	0.28	-0.025	-0.439	0.013	0.201	0.179	0.095	-0.273
A020045_01	-0.474	-0.303	-0.382	0.249	0.127	0.29	-0.573	-0.489
A020046_01	-0.252	-0.52	-0.917	-0.029	-0.021	-0.051	-0.319	-0.274
A020047_01	-0.037	-0.077	0.018	0.042	-0.015	-0.146	-0.039	-0.077
A020048_01	-0.179	-0.267	-0.077	-0.211	-0.358	-0.411	-0.105	-0.221
A020050_01	-0.943	-1.222	-0.482	0.311	-1.117 NA		-0.59 NA	
A020053_01	-0.503	-0.634	0.258	-0.058	-0.085	-0.06	0.141	0.003
A020054_01	-0.16	-0.226	-0.375	-0.056	-0.13	-0.149	-0.099	0.007
A020055_01	-0.103	0.092	0	0.277	-0.138	-0.28	-0.127	0.011
A020056_01	-0.785	-0.444	-0.283	-0.02	-0.28	-0.108	-0.256	-0.173
A020060_01	0.599	0.46	-0.086	-0.328	0.414	0.381	0.039	-0.141
A020061_01	-0.351	-0.298	-0.572	-0.215	0.29	0.415	-0.33	-0.192
A020062_01	-0.756	-0.169	-0.281	-0.254	-0.131	0.183	-0.218	0.177
A020064_01	-0.189	-0.51	-0.075	-0.139	0.369	0.262	0.682	0.497
A020065_01	-0.421	-0.511	-0.973	-1.596	0.229	0.5	-0.287	-0.363
A020068_01	-1.352	-0.837	0.634	0.729	0.366	0.756	0.457	0.604
A020070_01	0.503	0.577	1.299	1.504	0.563	0.597	0.318	0.271
A020071_01	-0.08	0.48	0.421	0.61	-0.075	0.08	-0.636	-0.032
A020072_01	0.235	0.1	0.337	0.041	0.145	-0.01	0.213	0.194
A020073_01	-0.048	-0.176	-0.188	-0.68	-0.025	-0.19	0.038	-0.18
A020074_01	0.522	0.222	0.21	0.253	-0.088	-0.186	0.202	0.131
A020075_01	0.432	0.162	-0.218	0.086	0.068	0.352	0.098	0.12

A020076_01	0.475	0.738	0.555	0.825	0.349	0.755	0.26	0.368
A020077_01	-0.368	-0.418	-0.096	0.024	-0.042	-0.312	-0.298	-0.015
A020078_01	0.069	-0.134	-0.23	0.375	-0.053	-0.133	-0.301 NA	
A020082_01	-0.13	-0.176	-0.186	-0.153	0.354	0.3	0.059	-0.042
A020083_01	-0.667	-0.32	-0.478	-0.169	-0.189	-0.242	-0.24	-0.009
A020086_01	0.124	0.077	-0.192	0.255	-0.146	0.026	-0.19	-0.061
A020089_01	-0.206	-0.331	-0.174	-0.356	-0.043	-0.168	-0.319	-0.322
A020090_01	-0.049	-0.198	0.139	-0.173	0.129	-0.201	-0.006	-0.009
A020091_01	-0.455	-0.251	-0.229	0.035	-0.245	0.023	-0.228	-0.136
A020092_01	-0.544	-0.119	0.074	0.257	-0.236	-0.071	-0.266	0.017
A020098_01	0.073	0.159	-0.462	-0.345	0.116	0.086	-0.15	-0.291
A020099_01	0.245	0.327	-0.01	0.149	-0.227	0.118	-0.03	-0.028
A020100_01	-0.022	-0.148	-0.037	0.211	0.023	0.002	-0.086	-0.163
A020101_01	-0.178	-0.258	-0.337	-0.074	-0.234	-0.302	-0.29	-0.238
A020102_01	0.278	0.35	0.138	0.203	-0.241	-0.246	-0.092	0.02
A020103_01	-0.692	-0.561	-0.234	-0.484	-0.467	-0.633	-0.337	-0.227
A020104_01	-0.116	-0.203	-0.04	0.3	-0.166	-0.083	0.282	0.136
A020105_01	-0.713	-0.531	-0.269	-0.379	-0.464	-0.399	-0.314	-0.114
A020107_01	0.194	0.264	0.323	0.654	-0.333	-0.173	-0.17	-0.005
A020109_01	0.22	0.428	0.118	0.525	0.121	0.521	0.095	0.17
A020116_01	-0.551	-0.505	-0.209	-0.555	0.123	0.018	-0.178	-0.027
A020119_01	-0.326	-0.506	0.221	-0.378	0.193	-0.141	0.049	-0.022
A020120_01	-0.087	-0.001	-0.122	-0.137	-0.081	-0.168	-0.101	0.012
A020121_01	-0.669	-0.596	-0.438	-0.5	-0.221	-0.102	-0.287	-0.279
A020122_01	0.241	0.148	-0.136	-0.06	0.083	0.371	0.131	0.261
A020123_01	0.059	0.02	-0.224	0.062	-0.159	0.163	0.058	0.031
A020125_01	-0.415	-0.266	-0.066	0.167	-0.171	-0.201	-0.235	0.032
A020126_01	-0.423	-0.236	-0.147	-0.008	-0.224	0.058	-0.067	-0.048
A020128_01	-0.147	-0.134	0.026	0.066	0.052	0.025	-0.01	-0.04
A020130_01	0.196	0.101	0.177 NA		0.137	0.136	0.069 NA	
A020132_01	0.143	0.19	-0.16	0.098	0.023	-0.022	-0.071	-0.203
A020134_01	0.145	0.138	0.108	0.097	0.031	-0.011	0.048	-0.004
A020135_01	-0.405	-0.393	-0.261	-0.319	-0.118	-0.377	-0.031	-0.15
A020140_01	0.176	0.193	0.324	0.513	-0.155	-0.058	-0.304	-0.181
A020141_01	-0.205	-0.149	0.193	-0.108	0.126	-0.03	0.13	0.057
A020144_01	0.615	0.45	0.502	0.46	0.432	0.366	0.35	0.185
A020145_01	0.485	0.441	0.504	0.519	0.517	0.437	0.224	0.267
A020155_01	0.311	0.467	0.231	0.255	-0.049	0.314	-0.163	0.003
A020157_01	-0.242	-0.257	0.041	0.113	0.209	0.037	-0.028	0.108
A020160_01	-0.353	-0.336	-0.501	-0.843	-0.024	0.156	-0.3	-0.16
A020162_01	-0.78	-0.65	-0.413	-0.097	-0.302	0.019	-0.025	0.004
A020164_01	-0.123 NA		-0.211	0.51	0.305 NA		-0.005	-0.048
A020166_01	-0.142	-0.043	-0.166	-0.113	-0.04 NA		-0.089 NA	
A020167_01	-0.043	0.357	-0.061	0.007	-0.059	0.033	-0.08	-0.038
A020169_01	-0.122	-0.023	0.246	0.464	-0.203	-0.265	-0.126	-0.169
A020170_01	-0.24	-0.095	0.284	0.278	0.139	0.014	0.248	0.169
A020171_01	-1.017	-0.758	-0.386	-0.175	-0.423	-0.237	0.156	0.304
A020172_01	0.088	0.075	-0.225	-0.083	-0.02	0.138	0.105	0.149
A020173_01	-0.334	-0.205	-0.246	-0.065	0.038	-0.017	0.035	-0.019
A020178_01	0.026	-0.226	-0.457	0.005	0.024	-0.469	-0.516	-0.483
A020179_01	-0.366	-0.214	-0.297	-0.53	0.198	0.235	-0.262	-0.226
A020183_01	-0.497	-0.344	-0.193 NA		-0.371	-0.453	-0.204	-0.238
A020186_01	-1.585	-1.82	-1.082	-1.428	-1.582	-1.875	-0.705	-0.564
A020187_01	-2.139	-2.012	-1.905	-1.229	-2.156	-2.146	-0.698	-0.345
A020188_01	0.504	0.233	0.321	-0.211	0.12	0.046	0.165	0.04
A020189_01	0.038	0.069	0.181	-0.017	0.007	-0.007	0.028	-0.075
A020190_01	-0.281	-0.26	0.107	-0.094	-0.046	-0.137	-0.06	-0.09
A020192_01	-0.092	-0.572	-0.611	-0.269	0.368	-0.029	-0.414	-0.442
A020195_01	-0.251	-0.176	-0.282	-0.201	-0.251	-0.205	-0.294	-0.221
A020196_01	-0.605	-0.563	-0.336	-0.036	0.019	0.069	-0.105	-0.093
A020197_01	0.31	0.056	-0.13	0.143	-0.253	-0.522	-0.154	-0.09
A020198_01	0.513	0.188	0.115	-0.147	0.247	0.166	0.154	0.017
A020199_01	0.159	0.394	0.45	0.358	0.092	0.065	-0.037	0.193
A020200_01	-0.116	-0.046	-0.476	-0.364	-0.104	-0.109	-0.362	-0.205
A020203_01	0.639	0.724	0.817	-0.175	0.118	0.304	0.574	0.567
A020205_01	-0.386	-0.124	-0.526	0.071	-0.086	0.261	0.106	0.025
A020208_01	0.709	0.736	0.049	-0.147	0.147	0.128	-0.168	-0.108
A020210_01	0.452	0.49	0.008	0.112	0.185	0.303	-0.006	0.077

A020211_01	0.051	0.049	-0.58	-0.291	0.415	0.46	0.018	0.081
A020213_01	0.469	0.376	0.424	-0.083	0.226	0.16	0.55	0.335
A020214_01	-0.109	0.146	0.353	-0.393	0.63	0.874	0.673	0.629
A020215_01	0.129	0.156	0.03	0.247	0.161	0.212	0.074	0.01
A020216_01	-0.46	-0.679	-0.113 NA		-0.199	-0.484	-0.207 NA	
A020217_01	-0.991	-1.259	-0.737	-0.242	-1.645	-2.385	-1.982	-1.452
A020219_01	0.105	0.066	0.044	0.31	0.24 NA		0.152	-0.042
A020221_01	0.434	0.171	0.184	-0.459	0.223	0.372	-0.268	-0.173
A020222_01	-0.087	0.178	0.216	0.381	0.299	0.364	0.178	0.215
A020225_01	-0.433	-0.462	-1.136	-1.229	-0.378	-0.198	-1.055	-0.738
A020226_01	-0.23	-0.276	-0.271	-0.097	-0.294	-0.202	-0.077	-0.238
A020228_01	0.077	0.146	0.607	0.102	0.302	0.427	0.55	0.637
A020229_01	-0.497	-0.531	-0.741	-0.624	-0.421	-0.342	-0.422	-0.259
A020233_01	-0.361	-0.315	0.022	0.328	-0.083	0.047	0.188	0.092
A020236_01	-0.345	-0.466	-0.454	-0.637	0.465	0.545	-0.142	-0.234
A020241_01	-0.208	-0.136	-0.125	-0.106	-0.151	-0.265	-0.299	-0.255
A020242_01	0.949	1.294	0.512	0.229	0.624	1.072	0.35	0.486
A020243_01	-0.389	-0.29	-0.053	-0.503	-0.032	0.022	-0.065	-0.003
A020245_01	0.912	0.666	0.645	-0.23	0.315	0.474	0.241 NA	
A020249_01	0.179	-0.199	0.146	0.234	0.1	0.055	0.09	-0.034
A020250_01	-0.043	-0.167	0.066	0.203	-0.117	-0.198	0.141	0.21
A020251_01	0.008	-0.11	-0.048	0.053	0.068	-0.029	0.438	0.296
A020254_01	0.635	0.779	0.179	-0.306	0.169	0.315	0.064	0.311
A020256_01	0.314	0.357	0.014	0.039	0.105	0.314	-0.012	0.084
A020257_01	-0.214	-0.302	0.253	0.451	0.023	-0.055	0.236	0.27
A020258_01	-1.53	-1.357	-1.389	-1	-1.285	-1.425	-1.126	-0.946
A020260_01	-0.579	-0.52	-0.695	-0.481	-0.117	-0.128	-0.16	-0.295
A020264_01	-0.239	-0.265	-0.408	0.421	0.047	-0.329	-0.451	-0.372
A020265_01	-0.309	-0.387	-0.066	0.38	-0.438	-0.862	-0.292	-0.214
A020267_01	0.302	0.391	0.076	-0.078	0.197	0.141	-0.284	-0.063
A020268_01	-0.519	-0.402	-0.027	-0.062	-0.212	-0.223	-0.223	-0.11
A020272_01	0.078	-0.089	-0.147	0.103	0.027	-0.101	0.178	0.156
A020273_01	1.015	0.697	0.576	-0.02	0.475	0.717	0.01	-0.013
A020274_01	0.12	0.191	-0.054	0.139	0.098	-0.101	-0.266 NA	
A020281_01	0.013	-0.09	0.08	0.132	0.098	-0.079	0.056	0.1
A020283_01	0.449	0.443	-0.005	-0.082	0.39	0.288	-0.083	-0.103
A020286_01	0.448	0.381	0.896	0.631	0.403	0.136	-0.053	-0.109
A020289_01	-0.37	0.038	-0.435	-0.792	0.198	0.388	-0.438	-0.497
A020290_01	0.403	-0.078	-0.193	-0.565	-0.135	0.032	-0.225	-0.372
A020291_01	-0.605	-0.554	-0.039	-0.093	-0.117	-0.107	0.101	0.205
A020293_01	0.146	0.052	0.109	0.181	-0.023	-0.234	-0.131 NA	
A020294_01	0.182	0.084	0.181	0.092	0.215	0.159	0.092	0.008
A020295_01	-0.16	-0.225	0.069	-0.205	-0.198	-0.235	-0.028	-0.051
A020296_01	-0.287	-0.399	-0.483	0.195	-0.278	-0.206 NA		-0.043
A020297_01	-0.422	-0.455	-0.099	-0.287	0.197	0.024	0.244	0.093
A020298_01	0.246	0.053	0.137	0.143	0.299	0.419	0.018	-0.142
A020299_01	0.463	0.438	-0.071	0.159	0.023	0.335	0.03	0.15
A020300_01	0.716	0.593	0.229	0.257	-0.477	-0.213	-0.326	-0.044
A020301_01	-0.01	-0.066	0.089	0.003	0.022	0.018	-0.126	-0.112
A020303_01	0.782	0.661	-0.082	0.175	-0.107	0.178	-0.038	-0.027
A020305_01	-0.157	0	-0.006	0.09	-0.127	0.009	0.002	0.061
A020306_01	-0.774	-0.739	-0.254	-0.167	-0.298	-0.256	-0.205 NA	
A020308_01	-0.075	0.041	0.028	0.287	0.319	0.161	-0.201	-0.131
A020309_01	-1.12	-0.891	-0.249	0.349	-0.18	-0.429	-0.083	-0.303
A020311_01	0.405	0.203	-0.43	-0.121	-0.234	-0.225	-0.126	-0.167
A020312_01	-0.503	-0.747	-0.73	-0.415	-0.631 NA		-0.426	-0.469
A020314_01	-0.09	-0.203	0.008	0.589	-0.857	-1.416	-1.056	-0.847
A020317_01	-0.573	-0.229	-0.044	-0.088	-0.306	-0.203	-0.48	-0.111
A020318_01	0.428	0.135	0.463	0.034	0.124 NA		0.426	0.225
A020319_01	-0.541	-0.668	-0.215	-0.261	-0.218	-0.128	-0.326	-0.276
A020320_01	-0.242	-0.174	-0.165	-0.426	0.102	0.073	0.043	0.142
A020321_01	0.166	0.272	0.444	0.237	0.181	0.196	0.222	0.18
A020322_01	0.497	0.482	0.075	0.144	0.016	0.032	0.03	0.066
A020323_01	0.081	0.069	0.07	0.076	-0.079	-0.112	-0.032	-0.008
A020324_01	0.267	0.155	0.143	-0.005	-0.009	0.316	0.003	0.174
A020325_01	-0.602	-0.675 NA		-0.735	-0.028	-0.18	-0.325	-0.101
A020326_01	-0.62	-0.545	-0.213	-0.075	-0.262	-0.081	-0.258	-0.203
A020327_01	0.13	0.215	0.189	-0.15	-0.042	-0.053	-0.093	0.108

A020330_01	-0.931 NA		0.354 NA		-0.541 NA		-0.031	0.571
A020331_01	-0.2	0.092	0.18	-0.183	-0.043	0.15	-0.015	0.124
A020332_01	0.563	0.613	0.403 NA		0.318	0.376	0.502	0.108
A020333_01	-0.081	-0.206	0.057	0.528	0.227	-0.139	-0.02	-0.052
A020336_01	0.08 NA		-0.122	-0.176	0.297 NA		0.224	0.014
A020337_01	0.118	-0.189	0.022	0.124	-0.072	0.005	-0.068	-0.038
A020338_01	-0.218	-0.234	-0.239	-0.419	0.076	0.078	-0.066	-0.191
A020340_01	0.556	0.02	-0.286	0.266	-0.054	0.011	-0.271	-0.165
A020341_01	-0.113	0.102	0.171	-0.482	-0.097	-0.017	0.008	-0.03
A020342_01	-0.229	-0.313	-0.284	-0.271	-0.01	0.152	-0.098	-0.104
A020343_01	0.817	0.831	0.835	0.619	0.195	0.392	0.282	0.282
A020344_01	0.077	-0.127	-0.008	-0.176	0.427	0.547	0.038	-0.041
A020345_01	-0.88	-0.499	-0.584	-0.542	-0.387	-0.073	-0.329	-0.125
A020346_01	-0.298	-0.205	0.043	-0.088	-0.25	-0.321	-0.072	0.162
A020347_01	-0.196	-0.502	-0.586	-0.829	-0.073	-0.382	-0.256	-0.282
A020348_01	0.123	0.187	-0.605	0.09	-0.466	-0.264	-0.091	-0.026
A020349_01	0.391	0.315	0.444	0.335	-0.56	-0.399	0.135	0.068
A020350_01	0.271	0.343	-0.178	0.034	0.245	0.406	-0.525	-0.431
A020352_01	-0.209	-0.103	-0.31	-0.373	-0.219	0.146	-0.555	-0.326
A020353_01	-0.526	-0.536	-0.286	-0.242	-0.332	-0.387	-0.312	-0.022
A020356_01	0.075	-0.135	-0.293	-0.599	0.009	0.14	0.035	-0.199
A020360_01	-0.697	-0.654	0.411	0.362	0.176	0.13	0.452	0.28
A020362_01	0.135	-0.159	0.117	-0.064	0.13	0.051	-0.172	-0.159
A020363_01	0.685	1.094	0.297	0.117	0.595	0.717	0.392	0.412
A020364_01	0.329	0.05	0.098	0.194	0.448	0.249	0.333	0.31
A020367_01	-0.228	-0.238	-0.176	0.05	0.086	0.191	0.057	-0.003
A020368_01	-0.459	-0.604	-0.557	-0.261	-0.591	-0.727	-0.089	-0.19
A020369_01	-0.443	-0.305	-0.399	-0.352	-0.689	-0.919	-0.493	-0.288
A020370_01	0.748	0.57	0.336	0.136	0.163	0.486	0.234	0.242
A020371_01	-0.646	-0.556	0.275	-0.023	-0.548	-0.484	0.173	0.365
A020372_01	0.705	0.582	0.342	-0.177	0.253	0.413	0.109	0.054
A020373_01	0.228	0.395	0.155	-0.043	0.083	-0.08	0.085	0.2
A020375_01	-0.134	-0.301	-0.318	0.151	-0.054	-0.281	-0.273	-0.131
A020376_01	0.254	0.03	-0.223	-0.068	-0.059	0.015	-0.085	0.008
A020378_01	-0.088	-0.277	-0.102	0.169	0.115	-0.06	-0.224	-0.135
A020379_01	0.505	0.329	0.068	0.171 NA	NA		-0.08	-0.203
A020380_01	0.03	-0.016	-0.139	0.353	-0.04	0.186	0.067	0.013
A020381_01	0.305	0.317	-0.162	0.214	-0.272	-0.167	-0.255	-0.185
A020382_01	-0.459	-0.559	-0.276	0.214	-0.115	-0.274	-0.022 NA	
A020383_01	-0.442	-0.152	-0.266	0.147	-0.386	-0.376	-0.117 NA	
A020384_01	-0.015	0.184	0.479	0.133	0.106	0.133	0.5	0.662
A020385_01	-0.06	-0.023	-0.221	0.256	-0.126	0.005	-0.08	0.022
A020386_01	0.71	0.559	-0.129	0.159	-0.034	0.421	-0.011	-0.044
A020390_01	0.085	-0.146	-0.314	0.187	0.29	0.222	0.597	0.261
A020392_01	-0.027	-0.01	-0.095	-0.072	-0.154	0.005	0.025	0.126
A020393_01	0.122	0.006	0.023	0.403	-0.09	-0.341	-0.401	-0.495
A020394_01	0.291	0.348	0.084	-0.261	0.256	0.463	-0.155	-0.166
A020395_01	-0.061	-0.39	-0.599	0.378	-0.213	-0.287	-0.198 NA	
A020396_01	-0.153	-0.23	0.093	-0.255	-0.1	0.008	-0.07	-0.088
A020399_01	0.321	0.286	0.354	-0.036	0.214	0.273	0.238	0.129
A020400_01	0.909	0.89	0.683	0.965	0.339	0.566	0.257	0.12
A020401_01	0.157	0.034	0.134	0.01	-0.272	-0.139	-0.171	-0.058
A020403_01	-0.925	-0.944	-0.246	0.38	-0.148	-0.117	0.313	0.253
A020404_01	-3.693	-4.22	-5.592	-5.549	-3.626	-4.034	-4.471	-2.829
A020406_01	-0.027	0.081	-0.199	0.324	-0.102	-0.078	-0.536	-0.122
A020410_01	-0.604	-0.493	-0.224	0.213	-1.179	-1.236	-0.419	-0.262
A020412_01	0.163	0.318	0.058	-0.371	-0.164	-0.194	-0.058	0.078
A020413_01	-0.091	0.055	0.24	-0.362	0.083	0.18	0.33	0.301
A020418_01	-0.008	0.093	0.049	-0.384	0.013	0.044	0.17	0.161
A020419_01	-1.124	-1.665	-0.971	-0.7	-0.079	-0.092	-0.082	-0.287
A020420_01	-0.939	-1.14	-0.81	-0.853	-0.367	-0.574	0.041	-0.075
A020421_01	0.114	0.142	0.336	-0.249	0.007	0.023	0.327	0.485
A020422_01	-0.013	0.029	-0.045	-0.067	0.103	0.158	-0.302	-0.426
A020423_01	0.421	0.154	-0.096	0.422	0.283	0.351	0.057	-0.017
A020424_01	-0.006	0.315	0.322	0.179	0.207	0.351	0.131	0.332
A020425_01	0.51	0.428	-0.239	-0.188	0.013 NA		-0.085 NA	
A020427_01	-0.542	-0.392	-0.187	-0.2	-0.417	-0.38	-0.35	-0.285
A020428_01	0.26	0.309	0.007	-0.123	0.166	0.532	0.465	0.22

A020435_01	-0.432	-0.598	-0.146	-0.143	-0.107	-0.15	-0.215	-0.183
A020436_01	1.03	1.312	0.28	0.671	-0.433	-0.065	-0.29 NA	
A020437_01	0.079	-0.12	-0.069	-0.129	0.114	0.104	0.095	-0.069
A020438_01	-0.109	-0.457	-0.55	-0.221	0.099	0.098	0.02	-0.097
A020440_01	0.242	0.066	0.034	0.279	-0.06	0.151	-0.42	-0.24
A020441_01	-0.197	0.172	0.077	-0.007	0.042	-0.004	-0.206	0.08
A020442_01	0.1	-0.078	-0.191	0.005	0.063	-0.193	-0.094 NA	
A020443_01	0.408	0.42	-0.418	0.158	0.066	0.083	-0.214	-0.239
A020444_01	0.056	-0.103	-0.243	0.152	0.197	0.08	-0.108	-0.14
A020445_01	0.768	0.642	0.265	-0.153	0.147	0.425	-0.055	-0.013
A020446_01	0.12	0.113	0.128	-0.457	0.174	0.062	0.026	0.048
A020452_01	0.595	0.326	0.346	0.834	0.179	0.091	0.323	0.282
A020455_01	-0.198	-0.285	-0.47	-0.165	-0.095	-0.227 NA		0.142
A020460_01	0.04	0.061	0.763 NA		0.619	0.75	0.308 NA	
A020461_01	-0.384	-0.068	0.482	0.907	0.072	-0.097	0.479	0.371
A020464_01	-0.011	-0.149	0.255	0.477	0.092	0.06	0.124	0.044
A020467_01	-0.12	-0.019	0.12	0.161	0.004	-0.044	-0.063	0.013
A020470_01	-0.11	-0.102	-0.416	0.131	-0.071	-0.252	-0.026	-0.002
A020471_01	0.591	0.63	0.258	-0.439	0.12	0.377	0.25	0.214
A020472_01	0.491	0.351	0.17	0.055	0.258	0.317	-0.035	-0.171
A020474_01	-0.017	-0.041	-0.213	-0.342	0.228	0.18	0.162	0.083
A020477_01	0.117	-0.004	0.189	-0.177	0.278	0.196	0.3	0.176
A020478_01	0.412	0.56	0.145	0.193	-0.09 NA		-0.06 NA	
A020480_01	0.143	-0.001	-0.196	0.47	0.064	0.17	0.085	-0.14
A020481_01	-0.154	-0.199	-0.131	0.175	-0.135	-0.339	-0.175	-0.101
A020482_01	0.172	-0.077	0.004	0.487	0.32	0.325	0.422	0.281
A020484_01	0.6	0.554	0.372	0.617	0.334 NA		0.157 NA	
A020486_01	-0.338	-0.324	0.065	0.169	-0.037	-0.149	-0.102	-0.106
A020488_01	0.269 NA		0.154	0.006	0.47	0.711	0.217	0.026
A020489_01	-0.594	-0.28	-0.185	-0.132	-0.012	0.073	-0.245	-0.212
A020490_01	0.375	0.246	0.323	0.296	-0.047	-0.145	0.017	-0.016
A020491_01	0.08 NA		-0.195	0.093	0.201	0.45	-0.131	0.031
A020493_01	0.212	0.035	0.215	-0.196	0.083	-0.081	-0.214	-0.24
A020497_01	-0.482	-0.167	-0.349	-0.481	0.174	0.301	-0.313	-0.036
A020498_01	-0.321	-0.174	-0.242	0.112	-0.217	-0.075	-0.14	-0.019
A020500_01	-0.562	-0.541	-0.467	0.207	-0.241	-0.255	-0.276	-0.26
A020501_01	1.011	1.042	1.136	1.313	0.52	0.621	0.445	0.266
A020502_01	0.015	-0.079	0.04	0.156	0.01	-0.164	-0.096 NA	
A020504_01	0.36	0.206	0.036	-0.349	0.026	0.328	-0.246	-0.125
A020505_01	0.019	-0.129	-0.023	0.238	0.021 NA		-0.005	-0.201
A020506_01	0.098	0.011	-0.152	0.125	-0.171	-0.126	-0.075	-0.08
A020507_01	0.237	0.235	0.109	-0.047	0.233	0.167	0.079	-0.014
A020509_01	-0.342	-0.304	0.086	-0.071	-0.096	-0.021	-0.007	0.012
A020510_01	0.054	-0.161	0.102	-0.228	0.064	-0.019	-0.087	-0.451
A020511_01	0.339	0.392	0.017	-0.059	0.182	-0.079	-0.145	-0.186
A020512_01	0.231	0.459	0.604	0.721	0.526	0.649	0.491	0.452
A020514_01	-0.197	-0.354	-0.122	0.045	-0.094	-0.171	-0.105 NA	
A020515_01	0.022	0.132	0.1	0.421	0.323	0.463	0.002	0.023
A020516_01	-0.334	-0.193	-0.432	-0.087	-0.685	-0.717	-0.426	-0.327
A020520_01	-0.091	-0.212	-0.333	-0.27	0.186	0.221	-0.034 NA	
A020521_01	0.075	0.247	-0.053	0.078	-0.205	-0.149	-0.119	-0.028
A020522_01	-0.308	-0.203	0.017	-0.197	0.096	-0.042	0.179	0.166
A020523_01	0.416	0.071	0.245	-0.144	0.137 NA		-0.036	-0.228
A020524_01	-0.505	-0.574	-0.597	-0.507	-0.018	-0.407	-0.789 NA	
A020529_01	-0.507	-0.548	-0.252	-0.585	-0.553	-0.428	-0.196	-0.076
A020530_01	-0.259	-0.315	-0.275	-0.592	0.411	0.273	-0.035	-0.067
A020533_01	0.469	0.203	0.091	0.261	0.276	0.356	0.036	-0.107
A020534_01	-0.007	0.206	-0.109	0.055	0.149	0.311	0.071	0.2
A020535_01	0.012	0.208	-0.06	-0.21	0.08	0.155	0.191	0.192
A020537_01	0.497	0.196	-0.599	0.258 NA	NA		-0.269	-0.335
A020541_01	0.311	0.067	0.274	-0.62	0.233	0.073	0.11	-0.012
A020542_01	0.565	0.46	0.157	0.254	0.257	0.485	0.042	-0.057
A020543_01	-0.988 NA	NA		-0.298	-0.224 NA		0.12 NA	
A020544_01	-0.099	-0.317	-0.353	-0.074	0.046	0.107	0.065	-0.077
A020546_01	-0.13	-0.183	0.344	0.196	0.387	0.208	0.326	0.096
A020547_01	0.451	0.111	-0.1	0.088	-0.037	0.026	0.108	-0.022
A020549_01	-0.134	-0.173	-0.089	0.09	-0.156	-0.211	-0.279 NA	
A020550_01	0.536	0.464	-0.127	-0.097	-0.423	0.206	-0.231	-0.169

A020551_01	-0.154	-0.036	-0.23	-0.546	0.193	0.078	-0.004	-0.139
A020553_01	-0.204	-0.178	0.206	0.307	-0.35	-0.459	-0.169	-0.046
A020554_01	-0.377	-0.338	-0.182	0.263	-0.004	-0.022	0.301	0.235
A020556_01	-0.454	-0.611	-0.776	-0.394	-0.834	-1.082	-1.221	-0.816
A020557_01	0.299	-0.117	-0.196	0.438	0.054	-0.291	-0.556	-0.521
A020559_01	0.577	0.835	0.59	1.028	-0.4	-0.355	-0.369	-0.291
A020560_01	1.289	1.502	1.418	1.255	0.811	1.068	0.669	0.844
A020562_01	0.04	0.019	0.075	0.015	-0.008	-0.131	-0.106	-0.05
A020563_01	0.26	0.193	-0.15	0.136	-0.237	0.256	-0.01	0.116
A020564_01	0.434	0.254	0.168	0.022	0.32	0.267	0.136	0.066
A020565_01	0.487	0.554	0.422	0.253	-0.215	0.263	0.232	0.337
A020570_01	0.841	0.471	-0.313	-0.314	-0.029	0.164	0.135	0.018
A020571_01	-0.35	-0.435	-0.132	-0.016	-0.113	-0.08	0.172	0.262
A020572_01	0.475	0.453	0.587	0.278	0.113	0.392	0.66	0.272
A020573_01	-0.705	-0.378	-0.215	-0.342	-0.486	-0.404	0.025	0.184
A020575_01	0.103	-0.083	-0.158	0.187	0.023	0.053	0.122	0.013
A020576_01	-0.179	-0.309	0.024	0.219	-0.011	-0.122	0.055	-0.005
A020577_01	0.58	0.232	0.062	-0.236	0.174	0.537	0.105	0.178
A020578_01	0.338	0.32	-0.173	-0.068	-0.294	-0.309	-0.237	-0.099
A020579_01	0.325	0.362	0.304 NA		0.177 NA		0.294 NA	
A020580_01	0.363	0.179	0.315	0.304	0.63	0.857	-0.148	-0.202
A020581_01	0.906	0.801	0.185	-0.259	0.425	0.492	0.161	-0.165
A020584_01	-0.088	0.155	-0.091	-0.035	-0.398	-0.347	-0.048	-0.091
A020585_01	0.184	0.097	-0.154	0.033	0.103	-0.004	-0.113 NA	
A020586_01	-0.358	-0.287	-0.266	-0.349	-0.024	0.091	-0.235	-0.195
A020587_01	-0.022	0.119	0.086	-0.368	0.133	0.115	-0.002	-0.006
A020588_01	-0.689	-0.571	-0.334	-0.433	-0.069	0.037	0.028	0.145
A020589_01	-0.634	-0.713	-0.474	-0.581	0.014	0	-0.552	-0.529
A020590_01	0.006	0.097	0.087	-0.741	0.398	0.674	0.584	0.6
A020592_01	0.42	0.262	0.138	0.391	0.008	0.049	-0.317	-0.263
A020593_01	0.292	0.162	0.164	-0.115	0.021	-0.069	0.048	0.088
A020594_01	-1.021	-1.166	-0.702	-0.533	-0.603	-0.783	0.704	0.527
A020595_01	0.211	0.429	0.119	-0.323	0.17	0.35	0.248 NA	
A020599_01	-0.038	-0.045	0.286	0.442	-0.824	-1.059	-0.279	-0.238
A020600_01	-0.287	-0.264	-0.141	0.318	-0.286	-0.368	0.275	0.196
A020601_01	-0.136	0.02	-0.153	0.297	-0.387	-0.44	0.185	0.099
A020602_01	-0.315	-0.169	0.061	-0.714	0.006	-0.119	-0.04	-0.154
A020603_01	-1.058	-0.822	-0.392	-0.66	-0.243	0.154	-0.148	-0.055
A020604_01	0.786	0.691	0.433	0.151	-0.072	0.152	-0.075	-0.077
A020605_01	-0.621	-0.766	-0.967	-0.952	0.038	0.156	-0.483	-0.374
A020606_01	0.095	0.383	0.358	0.307	0.133	0.538	0.336	0.164
A020608_01	-0.127	-0.406	-0.033	-0.043	0.032	0.003	0.047	-0.11
A020610_01	-0.236	-0.255	-0.763	0.158	-0.109	-0.012	-0.379	-0.224
A020611_01	-0.193	-0.321	-0.049	-0.473	0.054	-0.084	0.207	-0.151
A020612_01	0.071	0.054	0.103	-0.13	-0.014	0.188	0.095	-0.012
A020613_01	-0.969	-0.954	-0.521	-1.054	-0.154	-0.407	-0.214	-0.294
A020615_01	0.294 NA		0.031	-0.714	0.677	0.928	0.07	-0.022
A020616_01	0.125	0.194	-0.065	0.079	-0.401	-0.584	-0.389	-0.215
A020617_01	0.455	0.486	0.421	0.392	0.595	0.758	-0.08	-0.003
A020619_01	0.214	0.017	0.268	-0.425	0.169	0.057	0.081	0.075
A020620_01	0.585	0.524	-0.172	-0.479	0.143	0.626	0.133	0.063
A020621_01	0.397	0.477	0.042	0.103	0.335	0.533	0.341	0.38
A020622_01	0.645	0.473	0.177	-0.115	0.145	0.386	0.168	0.023
A020623_01	-0.144	-0.101	-0.031	-0.08	-0.046	-0.082	0.056	-0.021
A020625_01	-0.001	0.144	0.057	0.266	0.148	0.2	0.078	0.057
A020627_01	-0.046	-0.461	-0.666	0.128	-0.113	-0.391	-0.077	-0.029
A020629_01	0.253	0.219	0.265	0.213	0.3	0.472	0.038	-0.115
A020630_01	1.012	0.786	0.359	0.393	0.021	0.542	0.243	0.185
A020633_01	0.222	0.438	-0.013	0.236	0.166	0.491	-0.062	0.168
A020638_01	1.02	0.75	0.46	-0.536	-0.18	0.429	0.037	0.046
A020639_01	0.451 NA		0.521	-0.197	0.313 NA		0.315	0.277
A020640_01	-0.367	-0.252	0.341	-0.281	0.042	0.13	0.334	0.224
A020641_01	0.035	0.152	0.322	-0.336	0.023	-0.051	0.24	0.127
A020643_01	0.136	-0.231	0.536	0.61	-0.487	-1.039	0.173	-0.036
A020645_01	0.274	0.278	0.221	-0.029	0.31	0.546	-0.01	0.081
A020646_01	-0.158	-0.139	-0.06	0.184	0.09	0.043	-0.025	-0.087
A020647_01	0.353	0.285	-0.035	-0.582	0.355 NA		0.332	0.216
A020649_01	0.16	0.071	0.09	0.294	0.064	0.051	0.142	0.072

A020650_01	0.827	0.674	-0.143	-0.092	0.175	0.821	0.064	0.042
A020652_01	0.203	-0.003	-0.163	0.107	-0.037	-0.168	0.041	-0.053
A020653_01	0.174	0.141	-0.43	-0.591	0.368 NA		-0.2	-0.365
A020654_01	-0.036	-0.04	-0.036 NA		0.217	-0.015	0.335 NA	
A020656_01	0.545	0.515	0.621	0.684	0.774	0.871	0.387	0.205
A020658_01	0.361	0.204	0.037	0.175	0.017	-0.1	-0.07	-0.283
A020659_01	-0.088	-0.149	0.339	0.133 NA		-0.566	0.002	-0.005
A020660_01	-0.436	-0.203	-0.088	0.314	-0.107	-0.147	-0.295	-0.125
A020661_01	0.565	0.488	0.14	0.324	0.14	0.203	-0.299 NA	
A020663_01	-0.14	-0.43	-0.3	0.313	0 NA		-0.015	-0.108
A020664_01	-0.095	0.292	0.687	0.465	0.113	0.203	0.163	0.224
A020665_01	0.292	-0.07	0.043	-0.338	-0.05 NA		0.141	0.022
A020668_01	0.279	0.288	0.072	0.361	-0.02	0.085	-0.024	-0.016
A020670_01	0.432	0.232	0.396	0.106	0.195	0.13	0.164	-0.057
A020671_01	-0.567	-0.712	-1.117	-0.482	-0.182	-0.185	-0.476	-0.352
A020673_01	0.508	0.466	-0.033	-0.116	0.275	0.45	0.076	-0.146
A020678_01	0.027	-0.183	-0.181	0.307	0.127	-0.07	-0.205	-0.21
A020683_01	-0.036	-0.217	-0.027	0.101	-0.016	-0.098	-0.149	-0.291
A020684_01	-0.792	-0.183	0.488	0.184	-0.216	0.091	0.04	0.493
A020686_01	0.434	0.466	0.646	0.167	0.327	0.582	0.491	0.352
A020689_01	-0.171	-0.193	-0.486	0.043	-0.433	-0.563	-0.729	-0.531
A020690_01	-0.229	-0.271	-0.406	-0.519	-0.11	-0.082	-0.242	-0.487
A020691_01	0.556	0.339	-0.485	-0.18	0.222	0.495	0.286	0.176
A020692_01	-0.352	-0.134	-0.329	-0.189	-0.053	-0.013	-0.308 NA	
A020694_01	0.355	0.141	0.491	-0.468 NA		0.214	0.481	0.295
A020696_01	0.018	0.045	-0.265	-0.608	0.18	0.06	0.034	-0.199
A020697_01	0.381	0.181	-0.188	0.374	-0.264	-0.402	-0.29	-0.38
A020699_01	-0.262	-0.186	-0.24	-0.199	-0.228	-0.211	-0.049	0.156
A020702_01	-0.636	-0.53	0.111	-0.08	-0.171	0.139	0.347	0.47
A020703_01	-0.264	-0.335	0.153	-0.093	-0.303	-0.315	-0.198	-0.152
A020704_01	-0.122	0.168	0.195	-0.15	-0.047	0.222	0.472	0.63
A020705_01	0.309	0.305	-0.009	-0.899	0.038	0.202	0.047	-0.122
A020707_01	0.114	0.057	-0.068	0.072	0.066	-0.062	0.115	-0.199
A020708_01	-0.3	-0.088	-0.028	-0.218	-0.156	-0.189	-0.007	0.091
A020710_01	-0.476	-0.453	-0.48	-0.029	-0.475	-0.342	-0.123	0.011
A020713_01	0.875	0.614	0.439	0.058	0.11 NA		-0.024	-0.124
A020714_01	0.08	0.071	0.178	-0.501	-0.1	-0.053	-0.028 NA	
A020716_01	-0.173	-0.151	-0.448	0.235	0.171	0.055	-0.138	-0.232
A020722_01	-0.256	0.121	0.023	-0.217	-0.106 NA		0.141	-0.149
A020725_01	-0.135	0.249	-0.09	-0.058	-0.136	-0.061	-0.411	-0.097
A020727_01	-0.446	-0.352	-0.269	-0.174	-0.373	-0.424	-0.123	-0.36
A020728_01	0.583	0.703	0.52	-0.095	0.199	0.379	0.041	-0.05
A020730_01	-1.169	-1.485	-0.465	-0.098	-1.263	-1.784	-0.839	-0.723
A020731_01	1.001	0.838	-0.02	-0.103	0.363	0.697	0.1	0.12
A020732_01	-0.544	-0.466	0.295	0.262	-0.517	-0.797	0.116	0.033
A020733_01	-0.169	-0.276	0.477	0.519	-0.242	-0.391	0.098	0.039
A020734_01	-0.068	0.133	0.522	0.597	0.463	0.474	-0.585	-0.392
A020735_01	-0.08	0.011	0.533	0.283	-0.162	-0.077	0.388	0.21
A020737_01	0.024	0.013	-0.246	-0.163	0.355	0.341	-0.203	-0.122
A020738_01	-0.035	-0.041	-0.375	-0.211	-0.283	-0.204	-0.207	-0.192
A020740_01	-0.386	-0.421	-0.282	-0.022	-0.175	-0.282	-0.042	-0.148
A020741_01	0.216	0.088	0.072	-0.116	0.239	0.238	-0.192	-0.403
A020746_01	-0.491	-0.519	-0.303	0.024	-0.389	-0.498	-0.001	-0.086
A020748_01	0.477	0.44	0.613	0.645	0.978	1.238	0.348	0.209
A020750_01	-0.285	-0.218	0.111	0.264	0.066	-0.042	-0.062	-0.073
A020751_01	-0.066	0.219	0.466	0.051	-0.264	0.122	-0.297	-0.105
A020754_01	0.259	0.097	0.684	0.369	0.129	0.024	0.436	0.179
A020756_01	-0.054	-0.112	-0.419	0.009	0.214	0.069	-0.083	-0.049
A020757_01	-0.012	0.011	-0.366	-0.26	-0.085	-0.079	-0.029	-0.155
A020759_01	0.556	0.463	0.068	0.074	0.172	0.18	-0.034	-0.136
A020760_01	-1.603	-1.864	-1.719	-1.816	-1.084	-1.33	-1.172	-0.968
A020761_01	-0.137	-0.042	-0.092	-0.631	0.062	0.402	-0.183	-0.087
A020762_01	0.317	0.225	-0.134	-0.476	-0.025	-0.219	-0.192 NA	
A020763_01	-0.408	0.072	-0.266	-0.182	-0.035	0.295	0.201	0.38
A020765_01	-0.174	-0.287	-0.021	0.029	-0.107	-0.15	-0.13	-0.218
A020766_01	-0.383	-0.091	0.034	0.061	-0.167	0.023	-0.256	-0.108
A020767_01	-0.424	-0.321	-0.627	-0.447	-0.284	-0.314	-0.113	-0.221
A020769_01	0.416	0.435	0.011	-0.233	0.073	0.424	-0.077 NA	

A020771_01	-0.201	-0.017	0.066	-0.314	-0.041	0.07	-0.079	-0.116
A020774_01	-0.349	-0.266	-0.257	-0.375	-0.199	-0.271	0.138	0.037
A020777_01	0.895	0.811	0.75	0.396	0.859	0.946	0.906	0.358
A020778_01	0.555	0.423	-0.344	-0.259	0.051	0.53	0.05	0.089
A020780_01	-0.378	0.017	-0.204	0.142	-0.035	0.11	-0.274	0.228
A020781_01	0.268	0.172	0.022	0.024	0.03	0.007	-0.208	-0.322
A020784_01	-0.275	-0.403	-0.113	-0.818	-0.025	-0.027	-0.179	-0.375
A020785_01	-0.047	-0.017	0.37	-0.276	0.295	0.276	0.005	0.165
A020788_01	0.722	0.822	1.066	1.058	0.154	0.483	0.532	0.578
A020795_01	-0.056	0.012	-0.218	-0.694	-0.14	0.238	0.132	0.139
A020796_01	-0.32	-0.382	-0.328	-0.602	-0.189	-0.142	-0.088	-0.092
A020797_01	0.119	0.48	0.201	0.172	-0.062	0.02	-0.295	-0.003
A020798_01	-0.555	-0.903	-0.354	-0.229	-0.553	-0.833	0.138	0.007
A020799_01	-0.017	-0.141	-0.203	-0.173	0.018	0.113	0.046	0.009
A020800_01	-0.067	-0.183	0.033	0.222	0.254	0.16	0.033	-0.129
A020802_01	-0.247	-0.334	-0.594	0.156	-0.075	-0.18	-0.335	-0.256
A020803_01	-0.238	-0.345	-0.286	-0.215	0.531	0.54	-0.112	-0.159
A020806_01	-0.85	-0.67	-1.086	-0.777	-0.198	0.014	-0.469	-0.415
A020807_01	-0.281	-0.399	-0.444	-0.252	-0.021	-0.033	-0.175	-0.189
A020809_01	-0.136	-0.359	-0.41	0.329	0.171	0.009	-0.029	-0.124
A020811_01	-0.453	-0.831	-0.539	-0.295	-0.14	-0.7	-0.241	-0.271
A020813_01	-0.316 NA		0.33	-0.038	-0.285 NA		0.589	0.666
A020816_01	0.134 NA		-0.287	-0.737	0.249	0.032	0.1	-0.142
A020817_01	-0.364	-0.202	0.396	-0.111	-0.036	-0.215	0.058	0.174
A020818_01	0.12	0.192	0.435	0.24	0.164	-0.009	0.186	0.027
A020819_01	-0.395	-0.666	-0.627	-0.777	-0.15	-0.208	-0.446	-0.506
A020820_01	0.412	0.312	0.141	-0.059	-0.159	-0.003	-0.144	-0.092
A020821_01	0.103	-0.19	-0.085	-0.013	0.083	0.097	-0.084	-0.247
A020823_01	0.315	0.195	0.175	-0.194	0.096	0.1	0.212	0.05
A020825_01	0.504	0.463	0.231	0.292	0.136	0.073	0.05	-0.174
A020826_01	-0.098	-0.074	-0.114	0.05	-0.276	-0.252	-0.363	-0.185
A020827_01	-0.25	-0.307	-0.431	-0.601	0.116	0.08	-0.033 NA	
A020828_01	-0.118	-0.25	-0.365	-0.247	0.036	-0.026	-0.117	-0.169
A020831_01	-0.563	-0.609	0.014	-0.643	-0.003	-0.22	0.188	0.019
A020835_01	-0.18	0.061	-0.008	0.173	-0.404	-0.217	-0.057	0.046
A020836_01	-0.019	-0.041	0.32	0.47	0.478	0.434	0.14	-0.069
A020838_01	-0.064	-0.038	-0.388	0.042	0.112	0.067	-0.109	-0.001
A020839_01	-0.347	-0.318	-0.054	0.216	-0.223	-0.27	-0.138	-0.073
A020841_01	-0.278	0.133	0.452	-0.004	0.085	0.128	-0.068	0.224
A020842_01	-0.137	0.156	0.132	0.019	-0.172	-0.112	-0.224	-0.077
A020843_01	0.099	-0.073	0.239	0.066	-0.174	-0.303	0.017	-0.136
A020844_01	0.577	0.572	-0.023	0.293	0.037	0.186	-0.062	-0.233
A020845_01	0.366	0.215	-0.559	0.229	0.17	0.077	-0.18	-0.324
A020847_01	0.707	0.902	1.098	0.842	0.266	0.362	0.41	0.394
A020849_01	-0.253	-0.179	-0.043	0.313	0.109	0.009	-0.094	-0.127
A020850_01	-0.326	-0.465	0.046	0.01	0.201	-0.011	0.052	0.029
A020852_01	0.668	0.734	0.353	0.004	-0.236	0.026	0.035	0.126
A020853_01	-0.549	0.073	0.232	0.069	-0.028	0.031	-0.228	0.075
A020854_01	0.12	0.088	-0.276	-0.309	0.336	0.253	-0.073	-0.302
A020855_01	-1.205	-0.797	-0.648	-0.546	-0.777	-0.418	-0.267	-0.011
A020860_01	0.264	0.048	0.398	0.153	0.155	0.101	0.199	-0.008
A020861_01	-0.099	-0.07	-0.026	0.292	-0.302	-0.459	-0.244	-0.203
A020863_01	0.046	0.097	-0.338	-0.462	-0.026	0.301	-0.008	-0.015
A020866_01	0.542	0.511	0.257	-0.372	0.401	0.517	0.559	0.305
A020868_01	0.78	0.69	0.406	0.651	0.034	0.35	0.238	0.113
A020869_01	0.163	0.345	-0.065	-0.035	0.049	0.476	-0.401	-0.284
A020870_01	-1.136	-1.276	-0.614	-0.682	-0.911	-1.262	-0.122	-0.064
A020871_01	-0.37	-0.192	0.226	-0.139	0.016	-0.14	-0.143	0.004
A020872_01	-0.294	-0.494	0.015	0.162	-0.235	-0.552	-0.07	-0.254
A020873_01	0.328	0.19	0.316	-0.153	0.383	0.331	0.175	-0.025
A020876_01	-0.266	-0.397	-0.273	-0.102	-0.18	-0.275	0.13	-0.043
A020879_01	-0.078	0.061	0.061	0.18	0.057	0.04	-0.05	-0.105
A020880_01	-1.521	-1.856	-1.904	-1.779	-1.277	-1.452	-1.034	-0.776
A020881_01	-0.26	-0.179	-0.536	-0.09	-0.204	-0.28	-0.227	-0.179
A020882_01	-0.328	-0.299	-0.134	0.045	-0.14	-0.156	0.076	0.172
A020883_01	0.188	0.132	-0.029	0.207	-0.177	-0.126	-0.019	-0.153
A020889_01	-0.837	-0.339	0.178	-0.005	0.041	0.335	-0.184	0.163
A020892_01	-0.376	-0.599	-0.249	0.06	0.148	0.203	0.038	0.113

A020900_01	0.104	0.049	0.235	0.547	0.254	0.19	0.215	0.124
A020902_01	0.333	0.199	-0.399	-0.537	-0.083	0.448	0.238	0.115
A020905_01	-1.125	-1.136	-0.521	-0.596	-1.346	-1.848	-1.015 NA	
A020906_01	0.393	0.25	-0.063	-0.096	0.203	0.199	-0.092	-0.123
A020910_01	0.24	0.303	0.528	0.827	-0.012	-0.217	0.435	0.322
A020916_01	-0.128	-0.244	-0.139	-0.217	-0.435	-0.423	-0.19	-0.154
A020917_01	-1.356	-1.405	-0.487	-0.702	-0.625	-0.569	-0.509	-0.281
A020919_01	0.306	0.151	0.279	0.119	-0.221	-0.494	0.183	0.168
A020924_01	0.08	-0.136 NA		0.265	0.281	0.145 NA		-0.18
A020926_01	-0.208	0.02	0.316	-0.295	0.009	0.509	0.57	0.553
A020928_01	0.402	0.302	0.209	-0.253	-0.104	-0.069	0.237	0.171
A020929_01	-0.466	-0.356	-0.12	-0.394	-0.145	-0.097	-0.058	0.032
A020930_01	0.718	0.661	-0.227	0.495	-0.068	-0.176	-0.643	-0.409
A020934_01	-0.566	-0.918	-0.007	-0.112	-0.497	-0.869	-0.11	-0.1
A020937_01	0.175	0.073	0.152	0.303	0.095	-0.185	0.039	-0.059
A020943_01	0.37	0.103	0.199	0.231	0.064	0.372	-0.091	-0.048
A020944_01	0.069	0.244	-0.148	0.063	0.192	-0.002	-0.023	-0.297
A020949_01	-0.117	0.072	0.476	0.142	-0.02	0.076	0.424	0.326
A020952_01	0.078	0.286	0.204	0.142	-0.284	-0.233	-0.373	-0.256
A020955_01	-0.071	-0.146	-0.519	-0.104	0.435	0.462	0.22	0.105
A020958_01	-0.061	-0.005	-0.068	0.425	0.079	0.274	0.097	0.131
A020959_01	0.2	0.271	-0.272	0.006	-0.122	0.23	0.213	0.372
A020960_01	-0.628	-0.466	-0.146	-0.046	-0.235	-0.282	-0.125	-0.006
A020961_01	0.242 NA		-0.458	-0.614	0.254 NA		0.269	-0.069
A020964_01	-0.64 NA	NA		-0.686 NA	NA		-0.035 NA	
A020965_01	0.135	0.155	-0.011	-0.121	0.133	0.064	0.013	-0.025
A020970_01	-0.141	-0.321	-0.084	-0.133	-0.108	-0.218	0.014	-0.298
A020971_01	-2.864	-3.126	-1.058	-1.024	-0.996	-0.846	0.893	0.662
A020974_01	0.012	0.486	0.26	0.268	-0.31	-0.043	0.085	0.277
A020976_01	0.168	0.064	-0.513	-0.303	-0.022	0.088	-0.089	-0.289
A020978_01	-0.374	-0.274	0.171	0.533	-0.388	-0.661 NA		-1.337
A020980_01	-0.865	-1.288	-1.046	-0.297	-0.482	-0.476	-0.255	-0.194
A020981_01	0.116	0.156	-0.668	0.009	-0.068	-0.008	-0.108	-0.12
A020982_01	0.089	-0.054	-0.046	-0.116	-0.201	-0.17	0.066	0.013
A020985_01	-0.311	-0.469	-0.25	-0.082	-0.047	-0.078	-0.138	-0.092
A020987_01	0.182	0.211	0.105	-0.754	0.161	0.114	0.054	-0.172
A020991_01	-0.062	-0.13	-0.503	-0.114	-0.152	-0.274	-0.009	-0.1
A020992_01	-0.177	-0.264	-0.071	0.167	0.076	0.011	0.079	-0.055
A020997_01	-0.075	0.18	0.03	-0.045	-0.114	0.122	0.037	0.057
A020998_01	0.124	0.022	0.061	0.055	-0.118	-0.274	-0.29	-0.179
A020999_01	0.253	0.202	-0.146	0.227	0.057	-0.065	-0.263	-0.31
A021002_01	0.077	0.236	0.218	-0.158	0.059	0.092	-0.042	0.06
A021003_01	0.333	0.289	0.327	-0.089	-0.007	-0.098	0.333	0.273
A021005_01	0.53	0.183	-0.216	-0.002	-0.343 NA		-0.062	-0.101
A021009_01	-0.208	-0.126	0.32	-0.415	-0.013	-0.149	0.184	-0.196
A021010_01	-0.055	-0.197	-0.39	0.018	-0.141	-0.369	-0.409	-0.336
A021011_01	-0.194	-0.179	0.211	-0.101	-0.197	-0.103	-0.098	-0.01
A021012_01	-0.482	-0.556	-0.467	0.404	-0.114	-0.148	0.062	-0.003
A021015_01	0.328	0.213	0.143	0.163	0.087	0.145	-0.017	-0.139
A021019_01	0.129	0.094	-0.116	-0.023	0.097	0.086	-0.061	0.039
A021021_01	-0.363	-0.424	-0.258	-0.167	-0.101	-0.06	0.188	0.084
A021025_01	-0.195	-0.183	-0.182	0.096	0.077	0.304	0.11	0.076
A021026_01	0.536	0.483	0.648	0.894	0.449	0.453	0.667	0.735
A021034_01	-0.087	-0.028	-0.048	-0.438	-0.076	-0.246	-0.133	0.12
A021035_01	0.234	0.33	0.348	-0.142	0.043	0.231	-0.015	-0.038
A021037_01	0.072	-0.309	0.491	0.449	0.006	-0.555	0.428	0.22
A021040_01	0.298	0.281	-0.173	0.233	-0.008	0.219	0.208	0.132
A021041_01	-1.139	-1.275	-0.325	-0.351	-1.003	-1.252	-0.452	-0.432
A021042_01	-0.407	-0.483	0.323	-0.225	0.351	0.627	0.584	0.444
A021044_01	-0.966	-0.755	-0.173	-0.116	-0.147	0.233	0.342	0.314
A021045_01	0.912	0.82	0.058	0.178	0.172	0.452	-0.049	-0.089
A021046_01	0.06	0.022	-0.48	0.351	-0.118	-0.12	-0.434	-0.312
A021047_01	-0.069	0.055	0.121	-0.134	0.103	0.287	0.261	0.286
A021048_01	-0.471	-0.523	0.114	0.074	-0.203	-0.491	-0.013 NA	
A021049_01	0.46	0.088	0.039	-0.072	-0.004	-0.25	0.006	-0.001
A021051_01	0.497	0.364	-0.6	-1.016	0.194	0.248	-0.633	-0.485
A021053_01	-1.049	-1.407	-0.117	0.174	-1.119	-1.454	0.511	0.31
A021055_01	0.109	0.264	-0.241	0.198	0.424	0.556	0.231	-0.065

A021057_01	0.19	-0.062	-0.467	-0.092	0.141	0.296	-0.039	-0.147
A021058_01	-0.588	-0.372	-0.94	-0.538	-0.161	0.051	-0.237	-0.107
A021059_01	-0.148 NA		0.112	-0.034	-0.156	-0.189	-0.351	-0.05
A021061_01	0.271 NA		0.157	-0.412	0.197 NA		0.499	0.345
A021062_01	-0.446	-0.416	-0.012	-0.032	-0.265	-0.573	0.181	0.066
A021063_01	0.237	0.206	0.148	0.372	0.045	0.26	0.138	0.054
A021064_01	-0.412	-0.084	0.054	0.044	-0.112	-0.126	0.034	0.055
A021065_01	-0.304	-0.014	-0.042	-0.043	0.326	0.931	0.439	0.459
A021066_01	-0.064	-0.297	0.269	0.304	0.347	0.045	0.452 NA	
A021067_01	0.723	0.653	0.369	0.561	0.622	0.538	0.308	0.239
A021068_01	-0.025	-0.121	-0.077	0.058	-0.177	-0.358	-0.006	-0.139
A021069_01	-0.446	-0.427	-0.281	-0.564	-0.231	-0.317	-0.15	-0.253
A021070_01	-0.315	-0.129	-0.209	-0.344	-0.384	-0.128	-0.246	0.158
A021071_01	-0.727	-0.425	-0.28	-0.429	-0.752	-0.224	-0.092	0.276
A021072_01	-3.729	-3.923	-1.902	-1.976	-2.392	-2.872	-0.721	-0.597
A021073_01	0.056	-0.135	-0.1	0.159	-0.044	-0.212	0.069	0.155
A021074_01	0.669	0.683	0.245	0.619	0.215	0.117	0.776	0.734
A021076_01	0.517	0.642	-0.22	-0.197	-0.397	-0.16	-0.131	-0.244
A021078_01	0.733	0.604	-0.02	-0.172	-0.007	0.584	0.135	0.293
A021079_01	0.195	-0.098	-0.1	-0.432	-0.065	0.138	0.012	-0.105
A021081_01	0.643	0.495	-0.242	-0.595	-0.039	-0.057	-0.368	-0.463
A021084_01	-0.038	-0.064	-0.236	-0.046	-0.03	-0.01	-0.047	0.036
A021085_01	0.349	0.321	0.341	0.152	0.638	0.603	-0.002	-0.196
A021086_01	-0.561	-0.653	-0.42	-0.152	-0.118	-0.269	-0.016	-0.131
A021088_01	0.035	0.393	0.306	0.063	-0.268	-0.062	-0.065	-0.011
A021089_01	0.263	0.146	0.291	-0.126	0.105	0.047	0.247	0.128
A021093_01	0.267	-0.069	0.09	-0.285	0.076	0.122	0.02	0.062
A021094_01	-0.055	0.064 NA		0.025	-0.148	-0.073	0.089	0.431
A021097_01	-0.548	-1.279	-0.455	-0.602	-0.117	-0.415	-0.275	-0.323
A021099_01	-0.076	-0.149	-0.025	-0.142	-0.11	-0.183	-0.104	-0.023
A021100_01	0.443	0.261	-0.225	0.133	0.062	-0.083	-0.052	-0.067
A021102_01	-0.303	0.066	0.133	0.093	-0.067	-0.081 NA		-0.164
A021103_01	-0.106	0.179	-0.935	-0.881	-0.226	-0.206	0.275	0.436
A021104_01	-0.466	-0.162	0.44	0.328	0.049	0.04	0.076	0.352
A021106_01	-0.086	-0.007	-0.096	0.222	-0.121	0.038	-0.163	-0.241
A021107_01	0.703	0.603	0.357	0.69	0.13	0.049	0.165 NA	
A021108_01	0.111	-0.453	0.201	-0.004	0.353	0.505 NA		0.552
A021109_01	0.833	0.395	0.39	-0.007	0.356	0.699	0.101	-0.016
A021110_01	-0.182	-0.166	0.205	0.105	0.12	-0.105	0.111	-0.156
A021111_01	-0.509	-0.712	-0.563	-0.37	-0.153	-0.476	-0.252	-0.232
A021112_01	-0.09	-0.043	-0.197	0.374	-0.208	-0.057	-0.011	0.14
A021113_01	0.153	0.211	0.096	0.483	0.381	0.267	0.117	0.123
A021117_01	-0.234	-0.129	0.018	-0.017	-0.122	0.01	-0.177	-0.056
A021118_01	0.113	0.026	0.199	-0.259	-0.138	-0.259	0.333 NA	
A021119_01	0.399	0.514	0.012	0.41	-0.094	-0.084	-0.138	-0.343
A021120_01	0.682	0.248	-0.105	-0.329	-0.004	0.058	0.023	0.008
A021121_01	0.166	0.172	0.095	-0.192	0.188	0.165	0.015	0.14
A021123_01	0.048	-0.086	-0.176	-0.062	0.145	0.034	-0.016	0.003
A021124_01	0.198	0.299	0.561	0.156	0.067	-0.058	0.218	0.167
A021125_01	0.155	0.122	-0.256	-0.303	0.194	0.114	-0.154	-0.301
A021126_01	-0.304	-0.278	-0.396	-0.468	-0.168	-0.077	-0.123	-0.164
A021127_01	0.271	-0.151	0.406	0.279	0.174	-0.024	0.296	0.069
A021128_01	-0.162	-0.397	-0.136	-0.017	-0.031	-0.203	-0.064	-0.178
A021129_01	-0.929	-0.82	-1.169	-1.563	-0.237	-0.477	-0.008	0.002
A021130_01	-0.101	-0.034	0.157	0.093	0.047	0.481	0.236	0.238
A021131_01	0.555	0.387	0.446	0.296	0.138	0.286	0.137	0.131
A021132_01	-0.604	-0.268	-0.309	-0.111	-0.189	-0.186	-0.436	-0.198
A021133_01	0.742	0.631	1.24	1.186	1.206	1.111	0.601	0.483
A021134_01	-0.048	-0.302	-0.034	-0.33	0.023	-0.113	0.003	-0.15
A021136_01	-0.241	-0.277	0.048	0.118	-0.006	-0.168	0.035	-0.133
A021137_01	-2.983	-3.106	-1.487	-1.809	-2.038	-2.099	-0.38	-0.417
A021139_01	-0.289	-0.597	-0.29	0.274	0.166	-0.132 NA		-0.195
A021140_01	-0.282	-0.062	0.059	-0.61	-0.035	-0.135	-0.031	0.238
A021142_01	-0.435	-0.295	-0.228	-0.62	-0.123	-0.098	-0.281	-0.223
A021146_01	-0.439	-0.325	0.218	-0.032	-0.291	-0.336	-0.224	-0.11
A021147_01	-0.632	-0.392	0.193	-0.158	-0.147	-0.099	-0.073	0.187
A021148_01	-0.845	-0.644	0.286	-0.087	-0.124	-0.013	-0.055	0.238
A021149_01	-0.9 NA	NA	NA		0.048	0.445 NA		0.369

A021150_01	-0.669	-0.135	0.452	0.035	-0.533	-0.279	-0.183	0.26
A021160_01	-0.34	0.231	0.424	0.126	0.21	0.25	-0.223	-0.071
A021195_01	-0.126	-0.49	-0.384	-0.49	-0.259	-0.566	-0.288	-0.525
A021200_01	0.355	0.551	0.7	0.679	0.078	-0.112	0.133	0.25
A021206_01	-0.608	-0.802	-0.261	-0.357	-0.536	-0.747	-0.189	-0.285
A021207_01	-0.205	-0.398	-0.373	-0.091	-0.229	-0.321	-0.305	-0.345
A021208_01	-0.055	-0.241	-0.145	-0.235	0.161	-0.186	-0.238	NA
A021209_01	-0.376	-1.05	-0.8	-0.624	-0.423	NA	0.088	-0.033
A021212_01	0.351	0.209	0.102	-0.246	0.175	-0.007	0.098	-0.143
A021213_01	-0.21	-0.319	-0.577	-0.03	-0.396	-0.591	-0.384	-0.413
A021214_01	-0.397	-0.476	-0.104	-0.28	-0.039	-0.103	0.048	-0.054
A021218_01	0.075	-0.152	-0.321	0.182	-0.226	-0.319	-0.22	-0.255
A021219_01	0.889	0.928	-0.497	-1.053	-0.201	0.238	-0.545	-0.381
A021220_01	-0.079	-0.194	0.093	0.058	0.149	0.065	-0.023	0.034
A021222_01	0.274	0.134	-0.086	0.034	0.032	-0.159	-0.222	-0.126
A021223_01	-0.882	-0.816	-0.43	0.015	-0.309	-0.426	-0.216	-0.173
A021224_01	0.174	0.217	0.248	0.361	0.116	0.056	0.354	0.236
A021225_01	-0.16	-0.342	-0.215	0.07	-0.117	-0.37	-0.11	-0.142
A021227_01	-0.079	-0.278	0.158	0.377	-0.45	-1.098	-0.487	-0.823
A021230_01	-3.876	-4.088	-2.65	-3.999	-2.334	-3.66	-2.987	-1.456
A021233_01	0.15	0.049	-0.344	0.041	-0.081	-0.123	-0.269	-0.166
A021234_01	0.151	0.012	0.01	0.145	0.039	-0.07	-0.103	-0.122
A021235_01	0.233	0.103	-0.253	-0.045	0.018	-0.115	0.01	-0.115
A021238_01	-0.73	-0.604	-0.275	-0.052	0.05	-0.065	-0.191	-0.202
A021239_01	-0.654	-0.691	-0.059	-0.06	-0.212	-0.228	-0.038	-0.11
A021241_01	-0.118	0.122	0.136	0.192	-0.053	0.046	-0.188	-0.069
A021249_01	-1.856	-1.989	-1.525	-1.097	-1.101	-1.009	-0.8	-0.287
A021252_01	0.26	0.257	-0.116	0.103	-0.086	-0.06	-0.378	-0.215
A021253_01	0.659	0.54	-0.162	0.178	-0.358	-0.076	-0.426	-0.255
A021261_01	0.677	0.568	-0.106	0.045	0.068	0.015	-0.185	-0.248
A021267_01	0.159	-0.288	-0.141	-0.087	-0.125	-0.438	-0.225	-0.262
A021269_01	-0.239	-0.555	-0.281	-0.116	NA	0.02	0.056	-0.027
A021274_01	0.489	0.285	0.121	0.282	0.084	0.031	-0.103	-0.021
A021276_01	-0.189	-0.225	-0.142	0.161	-0.087	-0.098	-0.105	-0.021
A021293_01	0.016	0.155	0.243	0.282	-0.534	-0.512	-0.552	-0.351
A021294_01	-0.253	-0.361	-0.165	-0.121	-0.045	-0.026	-0.223	-0.115
A021295_01	0.163	0.137	0.106	-0.151	-0.016	-0.09	-0.296	-0.28
A021299_01	0.201	0.16	-0.261	0.427	-0.379	-0.508	-0.864	-0.622
A021303_01	0.454	0.303	-0.343	-0.3	-0.175	-0.193	-0.052	0.035
A021309_01	-0.973	-0.894	-1.108	-0.215	-0.021	0.049	-0.229	NA
A021313_01	0.041	-0.058	-0.204	-0.578	0.024	0.134	-0.366	-0.217
A021323_01	0.43	0.355	-0.146	0.49	-0.015	NA	-0.038	-0.064
A021335_01	0.144	-0.028	-0.074	0.355	0.872	0.646	0.083	-0.041
A021338_01	-0.222	NA	-0.051	0.361	-0.422	-0.969	-0.457	NA
A021339_01	-0.34	-0.662	NA	-0.356	-0.251	-0.342	-0.32	-0.385
A021340_01	-0.297	-0.664	0.039	0.09	-0.139	-0.128	-0.217	-0.083
A021341_01	-0.271	-0.389	-0.279	-0.012	-0.212	-0.159	-0.211	-0.011
A021342_01	0.408	0.265	0.54	0.424	-0.113	-0.299	0.375	0.237
A021344_01	0.836	0.718	-0.132	0.033	-0.182	0.032	-0.259	-0.079
A021347_01	-0.368	-0.595	-0.941	-0.54	-0.296	-0.134	-0.051	-0.014
A021354_01	-1.265	-0.994	NA	NA	-0.318	-0.348	-0.045	0.005
A021368_01	0.228	0.32	0.407	-0.081	-0.063	0.005	0.051	0.086
A021372_01	-0.008	0.114	0.109	-0.138	-0.019	0.126	-0.06	0.147
A021375_01	-0.471	-0.375	-0.627	-0.201	-0.189	-0.115	-0.298	-0.182
A021377_01	-0.791	-0.618	-0.836	-0.782	-0.124	-0.266	-0.33	0.104
A021389_01	0.262	0.118	-0.354	0.52	0.079	0.031	-0.41	-0.244
A021392_01	-0.114	-0.185	-0.022	0.073	-0.087	-0.058	-0.082	-0.247
A021395_01	0.109	0.097	0.197	0.181	0.196	0.455	0.045	0.108
A021401_01	-0.232	-0.35	-0.079	-0.083	0.268	NA	0.063	-0.048
A021411_01	0.785	0.668	0.811	1.376	0.356	0.087	0.679	0.518
A021413_01	0.339	0.404	-0.007	-0.059	0.245	0.241	-0.175	-0.216
A021419_01	-2.479	-2.652	-2.401	-2.439	-1.146	-1.601	-1.74	-1.285
A021427_01	-0.328	-0.351	-0.324	-0.084	0.005	0.058	-0.047	-0.184
A021428_01	0.35	0.151	-0.043	0.398	0.37	NA	0.053	-0.072
A021434_01	-0.193	0.025	0.389	0.328	-0.074	-0.107	0.121	0.5
A021438_01	0.235	0.063	0.225	-0.019	0.016	0.11	0.168	0.129
A021440_01	-0.477	-0.428	-0.352	0.128	-0.225	-0.264	-0.183	-0.072
A021441_01	0.129	0.081	0.001	0.024	0.195	0.167	-0.366	-0.266

A021444_01	-0.581	-0.561	-0.357	-0.214	-0.364	-0.43	-0.152	-0.119
A021451_01	-0.406	-0.315	-0.205	-0.02	-0.185	-0.176	-0.033	0.088
A021454_01	-0.227	-0.586	-0.229	0.362	-0.15	-0.411	-0.254	-0.217
A021462_01	0.081	0.115	-0.133	0.176	0.134	0.198	-0.198	-0.335
A021464_01	0.492	0.396	-0.138	-0.047	0.567	0.644	-0.229	-0.298
A021466_01	-0.216 NA		-0.831	-0.127	-0.334 NA		-0.152	-0.097
A021467_01	0.029	0.303	0.085	0.12	-0.197	-0.331	0.088	0.087
A021472_01	0.144	0.254	-0.297	0.115	-0.292	0.054	-0.091	0.059
A021474_01	0.122	0.119	-0.112	0.138	0.172	0.156	-0.165	-0.164
A021476_01	0.433	0.442	0.322	0.401	0.207	0.192	0.134	-0.07
A021491_01	-0.463	-0.511	-0.421	0.283	-0.12	-0.157	-0.246	-0.151
A021492_01	-0.451	-0.46	-0.086	-0.065	-0.349	-0.189	-0.316	-0.196
A021494_01	-0.034	0.053	0.218	0.015	-0.217	-0.188	-0.315	-0.134
A021497_01	0.038	-0.201	-0.203	0.316	-0.228	-0.257	-0.538	-0.366
A021498_01	-0.34	-0.564	-0.028	0.148	-0.278	-0.297	-0.237	-0.173
A021500_01	0.06	0.002	-0.354	0.069	-0.126	-0.311	-0.437	-0.261
A021510_01	0.301	0.407	0.033	0.264	-0.296	-0.23	-0.332	-0.307
A021511_01	0.315	0.278	-0.076	0.412	-0.158	0.001	-0.082	-0.141
A021517_01	0.152	0.275	-0.304	0.073	-0.044	-0.083	-0.256	-0.257
A021520_01	-0.664	-0.799	-0.037	0.26	0.103	-0.05	-0.006	-0.282
A021521_01	0.616	0.737	0.335	-0.506	0.451	0.795	0.344	0.486
A021526_01	-0.135	-0.358	-0.376	0.337	-0.07	-0.112	-0.147	-0.147
A021528_01	0.357	0.203	0.16	-0.27	0.234	0.005	0.395	0.413
A021529_01	-0.146	-0.294	-0.286	0.199	-0.005	-0.039	-0.196	-0.365
A021538_01	-0.943	-0.749	-0.178	-0.212	-0.332	-0.337	0.34	0.069
A021539_01	0.116	0.33	0.289	0.385	-0.017	0.058	0.054	-0.044
A021542_01	-0.55	-0.353	-0.548 NA		-0.163	-0.485	-0.256	-0.079
A021546_01	-1.32	-1.426	-0.587	-1.156	0.116	-0.067	0.046	0.179
A021549_01	-0.073	0.056	-0.219	0.137	-0.157	-0.138	-0.362	-0.328
A021551_01	-0.377	-0.441	-0.107	0.208	-0.429	-0.631	-0.274	-0.24
A021552_01	-0.012	0.105	-0.269	-0.11	-0.075	0.198	-0.232	-0.054
A021557_01	-0.765	-0.835 NA		-0.91	-0.201	-0.294	-0.597	-0.638
A021560_01	0.104	-0.346	-0.208	0.089	-0.146	-0.443	-0.144	-0.316
A021562_01	-0.487	-0.43	-0.947	-0.713	-0.135	0.033	-0.321	-0.33
A021563_01	-0.273	-0.385	-0.125	0.137	-0.016	-0.207	0.085	0.077
A021565_01	0.024	-0.149	-0.46	0.432	0.065	-0.12	-0.323	-0.217
A021567_01	0.087	-0.227	-0.357	0.078	0.284	0.009	0.043	-0.08
A021568_01	-0.139	-0.528	-0.52	-0.39	-0.215	-0.34	-0.271	-0.223
A021577_01	0.273	0.185	-0.126	0.254	-0.277	-0.347	-0.252	-0.25
A021580_01	-0.222	-0.352	-0.422	-0.076	-0.145	-0.333	-0.218	-0.249
A021585_01	-0.216	-0.479	0.06	0.138	-0.069	-0.486	-0.175	-0.32
A021587_01	0.261	0.116	-0.06	0.263	0.165	0.017	0.037	-0.182
A021589_01	0.086	-0.034	-0.285	-0.525	0.255	0.265	0.012	-0.042
A021592_01	-0.268	-0.295	0.339	0.258	-0.156	-0.238	0.171	-0.085
A021593_01	0.332	0.502	0.487	0.546	-0.288	-0.335	0.094	0.161
A021594_01	-0.518	-0.403	-0.263	-0.211	-0.242	-0.171	-0.159	-0.041
A021595_01	-2.13	-1.776	-2.068	-2.458	-1.321	-1.255	-1.024	-0.758
A021601_01	0.188	-0.005 NA		0.301	-0.181	-0.361	-0.303	-0.309
A021607_01	-0.595	-0.798	-0.067	0.061	0.093	0.029	-0.207	-0.269
A021613_01	-0.937	-1.222	-0.053	0.157	-0.676	-1.28	-0.633	-0.583
A021615_01	0.185	0.351	-0.102	0.309	0.16	0.309	0.134	0.166
A021616_01	-0.139	-0.357	-0.286	0.279	0.041	-0.389 NA	NA	
A021619_01	-0.248	-0.42	0.441	0.349	0.066	-0.285	0.201	0.086
A021628_01	-0.084	0.043	0.656	0.758	1.086	1.09	0.473	0.4
A021629_01	0.016	0.142	0.507	0.781	0.813	0.66	0.157	0.089
A021635_01	-0.727	-0.634	0.074	-0.334	-0.007	0.015	-0.019	0.122
A021636_01	-0.597	-0.5	-0.164	-0.096	-0.014	-0.356	-0.322	-0.273
A021638_01	-0.16	-0.141	-0.014	0.053	-0.054	0.035	-0.086	-0.098
A021640_01	0.492	0.541	0.18	0.13	-0.108	0.038	-0.038	0.159
A021641_01	0.087	-0.44	0.081	0.253	0.249	0.165	0.167	0.007
A021643_01	-0.726	0.045	0.449	-0.126	-0.482	-0.051	0.033	0.402
A021647_01	0.291	0.137	-0.219	0.063	-0.15	-0.215	-0.414	-0.193
A021648_01	0.447	0.232	0.072	-0.191	0.089	0.167	-0.008	-0.036
A021652_01	-0.156	-0.265	-0.072	0.072	0.178	0.153	0.035	-0.006
A021659_01	-0.593	-0.352	-0.311 NA		-0.041	-0.04	-0.234 NA	
A021661_01	-0.31 NA		0.25	-0.104	-0.118 NA		0.138	-0.13
A021662_01	0.139	0.058	-0.22	0.191	-0.152	-0.173 NA		-0.175
A021670_01	-0.275	-0.516	-0.83	-0.394	0.128	-0.036	-0.271	-0.416

A021673_01	0.262	-0.168	-0.216	0.13	-0.128	NA	-0.134	-0.236
A021677_01	0.131	-0.092	-0.112	0.245	0.065	-0.052	-0.027	-0.237
A021682_01	0.277	0.101	-0.054	0.101	-0.161	-0.25	-0.198	-0.326
A021691_01	0.068	0.112	0.277	0.117	0.348	0.281	0.023	0.104
A021696_01	-0.028	-0.14	-0.329	0.2	-0.062	-0.239	-0.178	-0.181
A021697_01	0.264	0.089	0.009	0.373	-0.078	-0.102	-0.02	-0.028
A021700_01	-0.43	-0.537	0.046	0.189	-0.011	0.032	-0.157	0.045
A021701_01	0.035	0.079	0.03	0.169	-0.177	-0.228	-0.266	-0.251
A021703_01	-0.06	-0.106	-0.021	0.405	-0.032	-0.095	-0.44	-0.386
A021708_01	0.002	-0.042	0.108	0.016	0.1	NA	0.151	0.045
A021709_01	-0.701	NA	-0.879	NA	-0.394	NA	-0.403	NA
A021712_01	0.279	0.185	-0.113	0.447	-0.103	-0.281	-0.316	-0.255
A021718_01	1.153	1.025	1.105	1.487	-0.012	NA	0.234	0.164
A021719_01	-0.547	-0.559	0.183	0.279	0.244	0.351	-0.688	-0.722
A021724_01	-0.178	0.136	-0.04	-0.55	-0.407	-0.01	-0.387	-0.115
A021726_01	-0.029	-0.085	-0.505	0.319	-0.367	-0.585	-0.528	-0.313
A021730_01	0.081	-0.187	-0.167	0.129	0.169	-0.126	-0.388	-0.215
A021739_01	-0.538	-0.557	-0.097	0.117	-0.147	-0.403	-0.185	-0.323
A021749_01	0.802	0.976	0.921	1.388	0.368	0.203	0.697	0.408
A021753_01	0.382	0.504	0.325	NA	0.155	0.25	0.074	NA
A021759_01	0.532	0.162	0.312	0.296	0.559	0.596	-0.089	-0.06
A021760_01	0.55	0.421	0.727	0.635	0.395	0.466	-0.212	-0.146
A021765_01	0.158	0.047	-0.03	0.097	0.159	0.087	-0.125	-0.206
A021769_01	0.287	0.042	-0.024	-0.279	-0.035	0.02	-0.253	-0.401
A021771_01	0.229	0.099	-0.084	0.468	-0.22	-0.054	-0.297	-0.033
A021772_01	-0.471	-0.528	-0.161	0.004	-0.144	0.015	0.159	0.093
A021782_01	0.453	0.371	-0.315	0.333	-0.093	-0.322	-0.354	-0.243
A021785_01	0.183	0.01	-0.015	0.165	-0.136	-0.015	-0.118	-0.131
A021786_01	-0.662	-0.531	-0.157	0.076	-0.225	-0.19	0.034	0.039
A021791_01	-0.143	-0.338	-0.076	0.068	0.294	-0.023	0.09	-0.225
A021794_01	-0.545	-0.668	0.132	NA	-0.811	-1.034	-0.026	0.095
A021796_01	0.522	0.299	-0.091	0.76	0.495	0.801	0.012	-0.115
A021797_01	-0.365	-0.685	-0.282	-0.167	0.005	-0.249	0.252	0.114
A021799_01	-0.066	0.06	-0.318	0.219	-0.276	-0.423	-0.287	-0.178
A021802_01	0.345	0.181	-0.481	0.41	-0.087	-0.169	-0.343	-0.36
A021803_01	0.081	-0.093	-0.452	0.203	-0.044	0.044	-0.368	-0.133
A021804_01	0.326	0.386	0.375	0.101	-0.01	-0.17	0.036	0.032
A021805_01	-0.497	-0.379	-0.61	-0.367	-0.18	-0.174	-0.274	-0.276
A021807_01	-0.799	-0.759	-0.218	0.345	-0.039	-0.109	-0.311	NA
A021810_01	-0.278	-0.342	-0.049	-0.163	-0.059	0.028	-0.119	-0.055
A021811_01	-0.254	-0.08	-0.109	0.254	-0.369	-0.12	-0.331	-0.042
A021812_01	1.021	1.064	0.471	0.714	-0.229	-0.204	-0.07	NA
A021813_01	-0.796	-0.434	0.16	-0.274	-0.027	-0.028	-0.221	0.016
A021814_01	-0.608	-0.544	0.003	-0.373	0.037	-0.005	0.315	0.238
A021815_01	-0.434	-0.351	0.032	0.311	-0.046	-0.225	-0.307	-0.162
A021816_01	-0.062	-0.112	NA	NA	-0.036	-0.063	-0.02	-0.04
A021817_01	0.132	-0.016	-0.027	-0.046	0.222	0.198	0.016	-0.016
A021818_01	0.173	0.038	0.213	0.249	-0.079	-0.106	-0.333	-0.131
A021820_01	-1.834	-1.935	-1.151	-1.511	-0.57	-0.691	-0.317	-0.299
A021821_01	-0.404	-0.354	-0.285	-0.18	-0.105	-0.054	-0.283	-0.088
A021822_01	-0.554	-0.279	0.517	-0.167	-0.294	-0.088	0.037	0.328
A021823_01	-0.625	-0.653	-0.397	-0.21	-0.213	-0.822	-0.078	-0.021
A021827_01	-0.31	-0.299	-0.19	-0.238	-0.154	-0.247	-0.14	-0.173
A021828_01	0.364	NA	-0.348	-0.05	0.024	NA	-0.208	-0.037
A021829_01	-1	-0.862	-0.739	-0.346	-1.433	-0.711	-0.564	-0.191
A021830_01	0.025	0.103	0.333	0.788	-0.151	-0.251	-0.851	NA
A021832_01	0.582	0.156	-0.199	-0.212	NA	NA	0.293	0.123
A021833_01	0.238	-0.163	0.086	-0.333	0.323	-0.014	-0.137	-0.483
A021835_01	-0.227	-0.358	-0.375	-0.411	-0.287	-0.525	-0.525	-0.549
A021838_01	0.024	0.414	0.447	0.351	0.089	0.164	-0.091	0.163
A021839_01	0.104	NA	-0.067	-0.001	NA	NA	0.331	0.336
A021840_01	0.023	0.062	0.198	0.218	0.054	-0.015	-0.184	NA
A021842_01	-0.174	-0.253	0.269	0.27	-0.192	-0.42	0.268	0.338
A021843_01	-0.19	-0.149	-0.184	-0.101	0.066	0.107	-0.118	-0.018
A021845_01	-0.051	-0.175	-0.134	0.22	-0.074	-0.15	-0.183	-0.211
A021846_01	0.246	-0.013	-0.207	-0.11	0.066	-0.018	0.11	-0.008
A021848_01	0.135	NA	-0.067	-0.28	0.203	0.429	0.206	0.115
A021850_01	-0.652	-0.465	0	-0.161	0.055	0.295	-0.03	0.223

A021851_01	-0.299	-0.451	-0.431	-0.003	0.438	0.487	0.521	0.211
A021853_01	-0.171	-0.107	0.026	0.079	-0.242	-0.138	-0.414	-0.19
A021856_01	0.653	0.116	-0.077	0.093	0.155	-0.003	-0.189	-0.274
A021857_01	0.355	-0.001	-0.051	0.212	-0.007	-0.19	-0.358	-0.417
A021858_01	-0.28	-0.473	-0.145	0.195	-0.175	-0.102	-0.263	-0.222
A021859_01	0.261	0.272	0.905	0.921	0.588	0.547	0.719	0.397
A021860_01	0.189	0.295	-0.085	0.193	0.088	-0.021	-0.443	-0.483
A021864_01	0.268	0.355	0.546	0.67	0.098	-0.076	0.144	0.069
A021865_01	-0.424	-0.028	0.182	-0.021	-0.065	0.125	-0.326	0.015
A021866_01	-0.003	-0.049	-0.243	0.047	-0.148	-0.168	-0.233	-0.144
A021867_01	-0.246	-0.234	0.297	0.141	0.16	0.147	-0.314	-0.363
A021868_01	0.097	0.161	0.121	0.45	0.229	0.398	0.236	0.368
A021870_01	-0.209	-0.069	0.024	0.179	-0.008	-0.195	-0.017	0.016
A021873_01	-0.255	-0.349	-0.085	-0.242	-0.09	-0.082	-0.196	-0.279
A021874_01	-0.38	-0.096	-0.11	-0.142	-0.167	-0.06	-0.217	-0.061
A021876_01	-0.089	-0.086	-0.16 NA		0.129	0.118	-0.306	-0.246
A021878_01	-0.237	0.074	0.15 NA		-0.143	-0.171	-0.131 NA	
A021882_01	0.513	0.677	1.257	1.229	0.816	1.056	0.803	0.795
A021884_01	0.531	0.321	-0.154	0.322	-0.019	-0.038	-0.289	-0.171
A021885_01	0.011	-0.051	-0.428	-0.057	0.259	0.22	-0.028	0.016
A021888_01	0.569	0.302	0.227	-0.205	0.196	0.139	0.276	0.34
A021889_01	0.433	0.309	-0.251	0.197	0.142	0.196	-0.128	-0.062
A021890_01	0.574	0.602	0.16	0.787	0.185	0.417 NA		-0.153
A021891_01	-0.168	-0.213	-0.297	0.106	-0.191	-0.258	-0.283	-0.101
A021893_01	-2.137	-2.518	-2.397	-2.708	-1.555	-1.981	-1.7	-1.198
A021894_01	-1.108	-0.316	-0.105	-0.366	-0.498	0	-0.248	0.301
A021895_01	-0.057	0.016	-0.217	-0.006	-0.073	0.201	-0.01	0.108
A021897_01	-0.384	-0.387	-0.246	0.198	-0.134	-0.188	0.005	0.043
A021898_01	0.314	0.129	0.514	0.611	0.39	0.262	-0.013	-0.08
A021899_01	0.408 NA		0.258	-0.023	0.023 NA		0.118	-0.151
A021900_01	0.162	0.212	0.127	-0.082	0.102	0.149	0.128	-0.097
A021901_01	0.408	0.453	0.269	0.463	-0.054	-0.136	-0.008	0.293
A021903_01	0.08	-0.131	0.041	0.012	0.202	-0.146	0.666	0.226
A021905_01	0.204	0.237	-0.307	0.052	-0.258	-0.06	-0.32	-0.118
A021906_01	-0.268	-0.189	0.223	0.236	-0.196	-0.306	-0.288	-0.252
A021907_01	-0.603	-0.51	-0.076	-0.449	-0.055	0.059	0.035	0.114
A021908_01	-0.975	-1.269	-0.698	-0.211	-1.297	-1.415	-0.708	-0.406
A021909_01	0.58	0.334	0.022	0.28	-0.018	0.065	-0.048	-0.212
A021913_01	-0.958	-0.725	-0.347	-0.483	-0.534	-0.292	-0.636	-0.599
A021915_01	0.081	-0.194	-0.093	-0.18	0.115	-0.024	0.125	-0.166
A021916_01	-0.383	-0.188	0.051	0.108	0.167	0.256	0.121	0.16
A021920_01	-0.512 NA	NA		-0.638	-0.252	-0.454	-0.072 NA	
A021921_01	-0.112	-0.143	-0.164	-0.315	0.289	0.294	-0.426	-0.368
A021922_01	-0.526	-0.666	-0.614	-0.426	-0.075	-0.093	-0.093	-0.047
A021924_01	-0.699	-0.042	0.368	0.004	-0.593	0.114	-0.063	0.27
A021926_01	-0.367	-0.268	-0.039	0.07	0.058	0.219	-0.094 NA	
A021927_01	-0.034	0.331	0.246	0.104	0.037	-0.022	-0.321	-0.012
A021928_01	0.013	0.126	0.419	-0.107	-0.093	-0.346	0.33	0.31
A021929_01	-0.113	0.065	0.231	-0.037	0.148	0.184	0.175	0.281
A021930_01	-0.703	-0.952	-0.814	-0.274	-1.089	-1.173	-0.942	-0.79
A021931_01	0.557	0.546	-0.359	0.409	-0.163	-0.277	-0.319	-0.356
A021932_01	-0.068	-0.487	-0.232	0.186	-0.095	-0.193	-0.314	-0.367
A021933_01	-0.003	-0.164	-0.101	0.085	0.03	-0.093	-0.16	-0.183
A021934_01	0.274	0.151	0.233	0.639	-0.011	-0.194	0.033	0.073
A021935_01	0.051	-0.164	-0.088	0.168	0.211	0.294	0.194	0.062
A021937_01	0.64	0.554	0.812	0.883	0.713	0.835	0.988	0.724
A021938_01	-0.128	-0.157	-0.224	0.161	-0.357	-0.451	-0.343	-0.318
A021939_01	0.177	0.084	0.068	-0.059	0.177	-0.02	-0.113	-0.131
A021941_01	-0.75	-0.969	-0.089	0.116	-1.733	-2.135	-0.974	-0.859
A021942_01	-0.361	-0.417	-0.989	-0.65	-0.016	0.081	-0.329	-0.413
A021946_01	-0.254	-0.383	-0.746	-0.006	-0.09	-0.495	-0.261	-0.355
A021948_01	-0.128	-0.066	0.112 NA		0.155	0.108	0.095	0.03
A021949_01	0.008	0.183	0.32	0.078	-0.167	-0.146	0.027 NA	
A021950_01	0.184	-0.006	0	0.216	0.076	-0.114	-0.258	-0.254
A021951_01	-0.362	-0.311	0.13	-0.172	-0.086	-0.326	-0.026	-0.246
A021954_01	0.14	-0.323	0.417	0.38	0.556	0.585	0.605	0.249
A021955_01	0.072	0.229	-0.053	-0.183	0.058	-0.018	-0.262	-0.154
A021956_01	0.106	0.174	0.2	-0.035	0.044	0.167	0.089	0.175

A021958_01	-0.279	-0.259	-0.35	-0.209	-0.021	0.173	0.131	0.314
A021959_01	-1.704	-1.392	-2.342	-2.527 NA		-1.27	-2.898	-2.395
A021961_01	0.185	0.162	-0.259	0.123	-0.255	-0.075	-0.418	-0.119
A021962_01	-0.205	-0.066	-0.179	-0.165	-0.052	0.136	-0.157	-0.001
A021963_01	-0.816	-0.75	-0.233	-0.593	-0.234	-0.529	0.189	0.12
A021966_01	-0.39	-0.526	0.164	-0.03	-0.01	-0.238	-0.075	-0.125
A021968_01	0.386	0.431	0.459	0.581	0.14	0.513	0.247	0.475
A021969_01	-0.184	-0.047	-0.141	0.133	-0.119	-0.075	-0.072	0.011
A021970_01	0.255	0.018	0.279	0.315	0.264	0.151	0.151	-0.076
A021971_01	0.566	0.355	-0.368	0.331	0.051	-0.184	-0.331	-0.439
A021976_01	-3.065	-3.717 NA	NA		-2.656	-3.619 NA		-2.751
A021978_01	0.932	1.318	1.524	1.453	0.085	0.475	0.324	0.547
A021979_01	-2.461	-2.748	-3.58	-3.941	-2.153	-3.004	-2.85	-2.255
A021980_01	-0.138	-0.289	0.278 NA		0.054	-0.232	-0.261 NA	
A021981_01	-1.117	-0.837 NA		-0.272	-0.35	-0.249	-0.176	0.001
A021982_01	0.844	0.522	0.277	0.525	0.059	-0.191	-0.137	-0.38
A021983_01	-0.357	-0.483	0.172	0.233	-0.265	-0.611	0.033	-0.091
A021984_01	0.509	0.059	-0.244	0.155	0.073	0.236	0.012	-0.004
A021986_01	0.305	-0.1	-0.094	0.081	0.188	0.04	-0.054	-0.194
A021988_01	0.037	0.139	0.207	-0.004	0.032	0.067	0.021	-0.02
A021989_01	0.202	0.185	-0.097	0.117	0.016	-0.105	-0.183	-0.116
A021990_01	0.079 NA		-0.056	-0.057	-0.415 NA		-0.017 NA	
A021992_01	0.209	-0.056	-0.201	-0.089	-0.031	-0.316	0.039	-0.058
A021993_01	-0.457	-0.222	-0.174	0.043	0.151	0.291	-0.432	-0.208
A021994_01	0.601	0.283	-0.107	0.118	0.125	-0.14	-0.374	-0.301
A021995_01	-0.074	-0.355	-0.452	0.29	0.064	0.078	0.007	-0.012
A021997_01	0.484	0.622	0.161	0.222	-0.43	0.038	-0.201	0.015
A021998_01	-0.405	-0.635	-0.589	-0.381	-0.58	-1.028	-1.505	-1.018
A021999_01	-0.344	-0.572	-0.312	-0.195	0.016	-0.173	-0.51	-0.462
A022000_01	0.97	0.846	1.08	1.483	0.846	1.005	-0.049	-0.084
A022001_01	-2.666	-3.214 NA	NA		-2.197	-3.217	-3.303	-2.264
A022003_01	-0.19	-0.159	-0.272	0.058	-0.305	-0.29	-0.373 NA	
A022005_01	0.063	-0.281	-0.275	0.066	-0.037	0.026	-0.01	-0.138
A022006_01	-0.422	-0.372	-0.479	-0.393	-0.273	-0.145	-0.534	-0.371
A022009_01	0.092	-0.103	-0.367	0.171	-0.035	-0.149	-0.334	-0.353
A022010_01	0.294	0.34	-0.403	0.484	-0.11	0.058	-0.604	-0.396
A022011_01	-0.077	-0.183	-0.368	-0.025	-0.415	-0.377	-0.087	-0.043
A022013_01	0.492	0.588	0.304	0.011	-0.16	0.201	-0.032	0.04
A022014_01	-0.033	0.003	0.087	0.079	-0.372	-0.262	-0.222	0.026
A022015_01	-0.461	-0.726	-0.409	-0.602	-0.079	-0.113	-0.026	-0.083
A022018_01	0.303	0.251	-0.369	0.17	-0.278	-0.22	-0.367	-0.174
A022019_01	0.239	0.329	0.072	0.088	-0.024	0.206	0.094	0.063
A022020_01	0.89	0.733	0.188	0.304	-0.15	0.496	-0.184	0.019
A022021_01	0.366	0.495	-0.178	0.337	-0.369	-0.279	-0.533	-0.206
A022022_01	-0.017	-0.077	-0.092	0.381	0.217	0.048	0.221	0.105
A022024_01	0.371	0.193	0.197	0.497	0.031	0.171	-0.089	-0.315
A022025_01	0.131	0.013	-0.237	0.205	-0.058	0.169	-0.087	-0.078
A022026_01	0.553	0.446	-0.085	0.212	-0.337	-0.106	-0.165	0.005
A022027_01	0.341	0.048	0.337	0.434	0.358	0.089	-0.047	0.131
A022029_01	0.082	0.153	-0.129	-0.826	-0.107	0.167	-0.337	-0.109
A022033_01	0.293	0.056	0.195	0.421	-0.067	-0.252	0.026	-0.077
A022034_01	0.348	0.314	-0.391	0.061	-0.204	0.185	-0.147	-0.02
A022038_01	-0.084	-0.143	-0.213	0.062	0.097	0.054	-0.149	-0.217
A022039_01	0.086	0.113	0.487	0.671	0.678	0.818	0.887	0.855
A022040_01	0.343	0.174	0.297	0.551	0.182	0.136	0.101	0.006
A022043_01	1.131	0.977	0	0.077	-0.296	0.168	-0.048	0.104
A022044_01	0.731	0.5	0.112	0.03	-0.065	-0.063	-0.012	-0.071
A022045_01	-0.697	-0.716	-0.556	-0.97 NA		0.034	-0.483	-0.235
A022046_01	1.027	0.624	0.148	0	-0.247	0.044	-0.109	-0.074
A022047_01	0.055	-0.126	-0.461	0.05	-0.169	-0.461	-0.523	-0.372
A022048_01	-0.554	-0.777	-0.037	0.148	-0.552	-0.692	0.258	0.216
A022077_01	-1.455	-1.224	-0.399	-0.432	-0.593	-0.4	-0.258	-0.119
A022102_01	0.142	-0.132	0.163	-0.327	0.121	-0.13	0.339	0.2
A022105_01	-0.759	-0.46	-0.491	-0.565	-0.082	-0.054	0.051	0.081
A022107_01	0.544	0.367	0.21	0.371	-0.201	-0.204	-0.253	-0.294
A022112_01	-0.855	-0.697	0.166	-0.5	-0.064	0.153	-0.133	-0.031
A022113_01	0.114	0.456	0.537	0.19	-0.126	0.141	0.317	0.368
A022117_01	-0.103	-0.094	-0.11	-0.18	0.095	0.111	-0.012	-0.002

A022118_01	-0.316	-0.078	-0.003	0.061	-0.2	0.139	-0.062	0.094
A022120_01	-0.547	-0.07	-0.044	-0.255	-0.067	0.218	0.18	0.333
A022121_01	-0.507	-0.237	0.182	0.324	0.007	-0.13	0.349	0.359
A022125_01	0.026	0.016	-0.054	0.07	0.199	-0.13	-0.005	-0.228
A022126_01	0.016	-0.115	0.957	0.843	0.364	0.374	0.008	-0.255
A022130_01	-0.225	-0.167	0.411	0.174	-0.035	-0.011	0.01	-0.108
A022138_01	0.319	0.334	0.066	-0.636	0.182	0.122	-0.033	-0.141
A022140_01	-0.495	-0.255	0.145	-0.225	-0.054	-0.213	-0.169 NA	
A022156_01	0.161	0.12	0.326	-0.345	0.167	0.061	0.06	-0.036
A022163_01	0.006	0.143	0.069	0.336	0.089	0.161	-0.019	-0.058
A022164_01	0.7	0.944	0.172	-0.055	-0.011	0.098	-0.176 NA	
A022171_01	0.277	0.528	0.237	0.326	0.223	0.184	-0.077	0.084
A022183_01	0.168	0.14	-0.147	-0.201	0.266	0.077	0.032	-0.113
A022196_01	0.275	0.177	0.343	-0.096	-0.03	-0.24	0.024	-0.168
A022202_01	0.049	0.077	0.234	0.748	0.379	0.234	-0.098	-0.067
A022215_01	-0.281	-0.371	-0.343	-0.286	-0.075	-0.074	-0.015	-0.01
A022218_01	0.332	0.152 NA		0.024	0.039	0.005	-0.053	-0.188
A022230_01	0.06	-0.016	0.109	0.032	0.229	0.076	0.133	-0.116
A022248_01	0.064	-0.165	-0.048	-0.099	0.113	0.034	0.033	-0.269
A022267_01	0.64	0.352	0.59	-0.154	0.311	0.204	0.468	0.16
A022269_01	-1.193	-1.111	-0.953	-0.774	-0.478	-0.911	0.062	-0.073
A022275_01	0.48	0.487	0.303	0.293	0.23	0.145	0.326	0.293
A022279_01	-0.043	-0.084	-0.135	0.25	0.097	0.022	-0.069	-0.162
A022282_01	0.01	-0.193	-0.148	0.217	-0.23 NA		-0.182 NA	
A022283_01	-0.172	-0.293 NA		-0.435	0.342	0.199	-0.058	-0.236
A022300_01	0.248	0.335	0.463 NA		0.311	0.048	0.183 NA	
A022304_01	-0.482	-0.522	-0.142	-0.284	0.118	-0.102	0.256 NA	
A022306_01	-0.33	-0.323	-0.465	-0.676	-0.179	-0.164 NA		-0.221
A022311_01	0.237	0.104	-0.414	-0.952	0.02	0.09	-0.149	-0.118
A022316_01	0.322	0.134	0.445	0.082	0.073	-0.077	0.095	0.014
A022324_01	-0.194	0.258	0.731	1.036	0.447	0.814	0.674	0.508
A022328_01	0.159	0.291	-0.022	0.291	-0.023	-0.051	-0.17	-0.079
A022329_01	0.158 NA		0.177	-0.098	0.585 NA		-0.184	-0.354
A022339_01	0.514	0.444	-0.183	-0.024	0.395	0.306	-0.227	-0.376
A022358_01	-1.805	-1.997	-1.616	-1.546	-0.994	-1.026	-0.3	-0.224
A022365_01	-0.251	-0.372	-0.761	-0.404	-0.167	-0.475	-0.359	-0.419
A022367_01	-0.332	-0.15	0.174	0.342	0.121	0.165	-0.071	-0.04
A022377_01	0.029	0.031	0.259	-0.124	0.116	0.04	-0.064	-0.029
A022381_01	0.688	0.65	1.238	0.784	0.938	0.724	0.533	0.34
A022386_01	-0.199	-0.187	-0.33	-0.386	0.164	0.005	0.012	-0.123
A022394_01	0.654	0.862	0.472	-0.085	-0.088	0.27	0.155	0.145
A022401_01	-0.785	-0.749	-0.567	-0.408	0.202	0.418	0.064	-0.126
A022405_01	-0.203	-0.275	-0.225	-0.376	0.14	-0.154	-0.205	-0.312
A022406_01	0.208	0.334	0.381	-0.296	0.069	-0.183	0.14	0.1
A022410_01	0.324	-0.037	0.165	-0.103	0.389 NA		0.257	-0.007
A022417_01	-0.17	-0.402	-0.391	0.031	-0.063	-0.071	-0.086	-0.051
A022434_01	0.49	0.172	0.27	0.227	0.238	0.035	0.011	-0.155
A022436_01	-0.936	-0.882	0.156	-0.161	-0.402	-0.367	-0.001	0.107
A022444_01	0.283	0.185	-0.141	-0.076	0.014	0.228	-0.238	-0.492
A022447_01	-0.114	-0.334	0.056	0.32	0.147	-0.2	0.127	0.209
A022451_01	-0.021	0.142	0.242	0.469	-0.141 NA		0.014	-0.102
A022457_01	0.228	0.021	0.381	0.345	0.247	0.12	0.097	-0.171
A022479_01	0.207	0.121	0.293	-0.149	0.304	0.208	-0.049	-0.094
A022485_01	0.432	0.139	-0.223	-0.406	0.485 NA		0.056	-0.181
A022486_01	0.216 NA		-0.048	-0.075	0.103 NA		0.049	-0.139
A022488_01	-0.006	-0.008	0.146	-0.412	0.251	0.118	0.094	-0.123
A022495_01	0.209	0.051	0.241	0.441	0.426	0.14	0.158 NA	
A022502_01	-0.375	-0.39	-0.347	-1.062	0.217	0.074	-0.025 NA	
A022509_01	0.063	-0.004	0.286	-0.037	-0.023	0.02	-0.016	-0.108
A022534_01	0.496	0.074	0.201	0.112	0.207	-0.062	0.202	-0.02
A022541_01	0.083	0.278	0.356	-0.346	0.158	0.076	0.545	0.559
A022543_01	-0.513	-1.03	-0.351	-0.263	0.761	0.631	0.146	-0.078
A022546_01	0.041	-0.003	0.762	0.71	0.509	0.213	0.675	0.426
A022551_01	-0.324	-0.509	0.375	0.154	0.167	0.195	0.272	0.17
A022555_01	0.268	-0.056	-0.068	0.16	0.258	0.29	0.009	-0.154
A022556_01	-0.984	-1.118	0.221	0.346	-0.05	-0.247	0.139	-0.03
A022560_01	0.196	0.222	0.27	0.022	0.23	0.014	0.077	-0.145
A022565_01	-0.073	-0.106	0.36	0.347	0.041	-0.285	-0.068	-0.062

A022569_01	-0.072 NA		0.224	-0.059 NA	NA		0.065	-0.011
A022570_01	-1.778	-1.894	-0.272	-0.187	-0.809	-0.93	0.097	0.273
A022571_01	0.043	-0.489	-0.098	0.103	0.179	-0.226	0.179	0.088
A022583_01	-0.431	0.026	0.397	0.056	0.358	0.642	0.4	0.549
A022592_01	-0.158	-0.163	-0.152	-0.217	0.27	-0.073	0.187	0.114
A022599_01	-0.282	-0.521 NA	NA		0.002	-0.447	-0.223 NA	
A022600_01	0.351	0.464	0.292	0.242	-0.007	0.032	-0.115	-0.072
A022619_01	-1.276	-1.841	-0.217 NA		-0.127	-0.227	0.327 NA	
A022624_01	-0.434	-0.551 NA		-0.168	-0.266	-0.355	-0.369 NA	
A022627_01	0.292	0.172	0.306	-0.368	0.269	0.122	0.208	0.215
A022634_01	0.011	-0.125	-0.278	-0.384	0.212	-0.101	0.174	-0.011
A022635_01	-0.251	-0.309	0.324	0.164	-0.062	-0.256	0.364	0.204
A022637_01	-0.232	-0.263	-0.71	-0.55	-0.097	-0.003	-0.363	-0.364
A022643_01	-0.722	-1.027	-1.453	-1.761	-0.56	-0.947	-0.319	-0.492
A022657_01	-0.501	-0.688	-0.539	-0.88	-0.407	-0.692	-0.296	-0.339
A022664_01	0.09	0.174	-0.241	0.157	0.077 NA		-0.025	-0.2
A022666_01	0.14	-0.075	0.064	-0.394	-0.05	-0.084	0.027	-0.138
A022671_01	-0.267	-0.757	-0.119	-0.164	-0.003	-0.33	0.002	-0.265
A022689_01	1.083	1.101	0.38	0.844	-0.134	-0.273	-0.112	-0.066
A022702_01	-0.011	-0.13	0.452	0.428	0.064	-0.184	0.254	0.06
A022705_01	-0.155	-0.525	0.153	0.284	0.246	-0.314	0.017	-0.124
A022708_01	0.203	0.086	-0.267	-0.038	-0.056 NA		-0.076	-0.144
A022729_01	-1.592 NA		-1.34	-1.123	0.085	-0.365	-0.17	-0.325
A022731_01	0.306	0.354	0.585	0.464	-0.053 NA		0.393	0.054
A022735_01	-0.768	-0.725	0.25	0.206	0.184	0.053	0.703	0.616
A022749_01	0.108	-0.229	-0.075	0.061	0.175	-0.284	-0.054	-0.271
A022755_01	0.539	0.406	0.107	0.002	0.099	0.224	-0.048	-0.112
A022764_01	-0.191	-0.431 NA		-0.135	-0.545	-0.954	-0.662	-0.583
A022765_01	-0.304	-0.16	-0.315	-0.536	-0.115	-0.212	-0.061	-0.109
A022779_01	0.405	0.358	0.716	0.604	0.063	-0.246	0.127	-0.04
A022781_01	0.236	0.345	-0.203	-0.456	0.187	0.23	-0.054	-0.152
A022790_01	0.199	0.285	0.381	0.114	0.044	0.042	0.277	0.191
A022796_01	-0.202	-0.304	-0.098	0.033	0.071	-0.201	-0.023	-0.191
A022801_01	0.003	-0.144	0.191	-0.091	0.053	-0.116	0.225	-0.02
A022804_01	-0.487	-0.544	-1.182	-1.16	-0.034	-0.207	-0.533	-0.374
A022808_01	0.032 NA		-0.407	-0.221	-0.013 NA		-0.035	-0.061
A022817_01	0.189	0.105	0.148	-0.354	0.298	0.072	0.076 NA	
A022821_01	0.434	0.33	-0.318	-0.15	-1.945 NA		-2.321	-1.918
A022839_01	0.333	0.098	0.224	-0.115	0.184	0.312	0.457	0.241
A022844_01	0.661	0.501	0.255	0.188	-0.083	-0.176	-0.018	-0.082
A022850_01	0.466	0.753	0.836	0.663	0.22	0.419	0.135 NA	
A022862_01	0.055	0.177	-0.467	-0.111	0.071	0.093	0.06	0.014
A022865_01	-0.096	-0.099	0.074	-0.114	0.101	-0.068	0.282	-0.022
A022874_01	0.025	0.195	-0.182	0.085	0.152	0.134	-0.047	-0.097
A022882_01	-0.176	-0.205	-0.266	0.164	-0.247	-0.235	-0.181	-0.175
A022901_01	-0.261	-0.331 NA	NA		0.205	0.113	-0.314	-0.273
A022911_01	-0.153	-0.284	-0.524	0.184	-0.041	0.071	-0.24	-0.22
A022916_01	0.029	-0.038 NA		-0.278	0.026	-0.093 NA	NA	
A022919_01	0.084	-0.093	-0.228	-0.098	-0.196	-0.35	-0.076	-0.109
A022922_01	-0.095	0.105	0.204	0.177	0.005	-0.177	-0.066	-0.201
A022927_01	-0.106	-0.118	0.093	-0.277	0.03	-0.038	-0.028	-0.139
A022948_01	-0.685	-0.369	0.397	-0.413	-0.166	-0.113	0.095	0.129
A022952_01	-0.255	-0.296	0.474	-0.097	0.208	-0.159	0.155	-0.01
A022967_01	-0.074	-0.242	-0.203 NA		-0.012	-0.411	-0.083 NA	
A022968_01	0.047	0.021	0.045	0.007	-0.009	-0.256	0.043	-0.1
A022972_01	-0.137	-0.126	0.043	-0.023	-0.032	-0.256	-0.313	-0.25
A022975_01	0.004	-0.073	0.081	-0.144	0.18	0.075	0.164	0.077
A022983_01	0.394	0.301	-0.15	-0.131	0.143 NA		-0.205 NA	
A022984_01	0.835	0.633	0.564	0.048	0.426	0.394	0.089	-0.151
A022987_01	-0.945	-0.59	-0.545	-0.659	-0.27	0.162	-0.309	-0.041
A022990_01	0.273	0.194	0.246	0.606	0.179	-0.23	-0.258	-0.39
A022991_01	0.196 NA		0.204	-0.646	0.286 NA		0.092	-0.023
A022993_01	-0.256	-0.271	-0.264	-0.135	-0.002	-0.195	0.172	0.171
A022996_01	-0.461	-0.374 NA		-0.344	0.113	-0.297	-0.325	-0.372
A022999_01	-0.265	-0.803	0.124	0.683	-0.534	-1.377	-0.436 NA	
A023023_01	0.236	-0.028	-0.049	0.098	0.215	0.109	0.03	-0.181
A023027_01	-0.048	-0.397	0.326	0.329	-0.007	-0.241	0.02	0.069
A023029_01	-0.222	-0.652	0.186	0.129	-0.281	-0.261	0.458	0.04

A023030_01	0.384	0.044	0.004	0.166	0.215	0.29	0.323	0.303
A023035_01	-0.443	-0.357 NA	NA		0.064	-0.417	-0.016 NA	
A023040_01	-0.053	0.102	0.049	-0.381	0.019	-0.161	-0.183 NA	
A023041_01	-0.308	-0.406	-0.343	-0.188	-0.246	-0.569	-0.24	-0.38
A023043_01	0.207	0.004	0.439	-0.356 NA		0.24	0.287	-0.027
A023045_01	-0.412	-0.505	-0.198	-0.738	-0.095	-0.359	-0.11	-0.235
A023054_01	0.143	0.379	0.24	0.229	0.116	0.21	-0.068 NA	
A023061_01	0.031	-0.066 NA		0.393	0.201	-0.113 NA		-0.333
A023066_01	0.131	-0.059	-0.274	0.317	0.036	-0.107	-0.215 NA	
A023075_01	0.526	0.666	0.654	0.471	-0.036	0.107	-0.016	0.182
A023079_01	0.958	1.059	1.09	1.466	-0.676	-0.883	-0.521	-0.318
A023080_01	0.301	0.283	0.409	-0.366	0.212	0.249	0.357	0.141
A023089_01	-0.135	-0.306	-0.284	0.328	0.245	-0.049	0.073 NA	
A023091_01	0.211	-0.165 NA		-1.301 NA	NA		-1.091	-0.991
A023102_01	0.444	0.362	0.377	-0.152	0.151	-0.024	0.036	0.006
A023109_01	0.005	-0.234	0.162	0.231	0.131	0.053	0.042	-0.281
A023113_01	-0.44	-0.257	-0.221	0.094	-0.143	-0.188	-0.135	-0.2
A023114_01	-0.919	-1.516	-0.5	-0.608	0.077	0.144	0.29	0.045
A023119_01	-0.182	-0.102	0.185	0.129	0.236	0.285	0.054	0.019
A023126_01	-0.166	-0.155 NA		-0.011	-0.001	-0.06	-0.053	-0.259
A023130_01	0.42	0.148	0.289	0.136	-0.274	-0.728	-0.397 NA	
A023136_01	0.213	0.28	-0.084	-0.483	0.067	0.338	-0.014	-0.173
A023137_01	0.484	0.351	-0.067	-0.144	-0.046	-0.06	-0.186	-0.149
A023138_01	-0.168	-0.094 NA	NA		-0.009	0.133	-0.525 NA	
A023148_01	-0.458	-0.453	-0.251	-0.497	0.075	-0.079	-0.167	-0.106
A023158_01	-0.609	-0.782	0.149 NA		-0.348 NA		0.069 NA	
A023159_01	-0.091	-0.356	0.008	-0.091	-0.09	0.026	-0.047	-0.062
A023163_01	0.551	0.543	0.347 NA		0.241	0.03	0.196	-0.099
A023177_01	-0.372	-0.374	0.107	-0.157	-0.062	-0.228	-0.128	-0.16
A023183_01	0.435	0.326	0.084	-0.311	-0.024	0.141	0.13	0.067
A023185_01	0.23	0.045	-0.003	-0.224	0.258	0.097	0.118	-0.143
A023186_01	0.208	-0.118	0.077	-0.497	0.167	0.23	0.102	-0.121
A023188_01	0.468	0.208	0.448	-0.213	0.226	0.262	-0.037	-0.047
A023198_01	-0.065	-0.313	0.555	0.416	0.016	-0.439	0.357	-0.026
A023199_01	-1.647 NA		-0.554	-0.408	-0.535	-1.341	-0.003	-0.118
A023202_01	0.708	0.496	0.326	0.092	0.327	0.177	0.319	0.115
A023223_01	0.612	0.284	0.305	-0.716	0.133 NA		0.014	-0.045
A023228_01	-0.072	-0.325	-0.628	-0.778	-0.206	-0.371	-0.19	-0.474
A023230_01	0.363	0.326	0.147	-0.091	-0.016	0.25	0.14	0.086
A023232_01	0.683 NA		0.076	-0.411	0.274 NA		-0.232 NA	
A023237_01	0.084	-0.166	-0.235	0.113	-0.515	-0.107	-0.062 NA	
A023239_01	0.047	-0.063	0.286	0.304	0.237	-0.076	0.582	0.349
A023241_01	-0.15	-0.042	-0.029	0.015	-0.046	-0.297	-0.17	-0.099
A023242_01	-0.054	-0.353	-0.458	-0.606	0.443	0.8	-0.134	-0.044
A023250_01	-0.752	-0.04	0.273	-0.02	-0.428	0.067	-0.227	0.464
A023252_01	-0.047	-0.27	-0.758	-1.208	0.244	0.193	0.052	-0.072
A023259_01	-0.346	-0.327	-0.146	-0.415	0.075	0.166	-0.129	-0.212
A023272_01	-0.274	-0.376	-0.66	-0.569	-0.106	-0.172	-0.616	-0.64
A023277_01	-0.907	-1.075	-0.741	-0.944	-0.465	-0.679	-0.363	-0.412
A023279_01	0.497	0.736	0.316	-0.384	0.289	0.431	0.346	0.182
A023283_01	-0.225	-0.134	-1.095 NA		-0.213 NA		-0.426 NA	
A023287_01	0.775	0.487 NA		-0.598	0.389 NA		0.161	-0.01
A023290_01	-0.073	-0.365 NA		0.03	0.135	-0.026	0.082	-0.129
A023297_01	0.048	0.093	-0.063	-0.173	-0.268	-0.521	-0.401 NA	
A023312_01	-0.621	-0.585 NA		-0.463	-0.224	-0.384	-0.328	-0.284
A023324_01	0.444	0.359	0.515	0.73	0.047	-0.072	0.345	0.363
A023329_01	-0.038	-0.189	0.044 NA		0.33	0.134	0.026	-0.094
A023335_01	-0.357	-0.396	-0.347	-0.056	0.189	-0.039	0.376	0.264
A023339_01	-0.133	0.015	-0.098	-0.245	0.052	-0.019	-0.076	0.101
A023346_01	0.063	0.054 NA		0.171	0.164	0.09 NA		0.001
A023347_01	0.521	0.089	0.013	0.131	0.205	-0.126	-0.045	-0.154
A023348_01	-0.312	-0.607	0.072	0.09 NA	NA		0.241	0.142
A023353_01	-0.051	-0.122	0.218	-0.49	0.157	0.182	0.019	-0.047
A023354_01	-1.09	-0.836	-0.299	-0.832	0.045	0.016	0.241	0.102
A023363_01	-0.265	-0.323	0.094	-0.14	-0.075	-0.293	-0.07	-0.062
A023376_01	1.019	0.647	0.967	0.223	-0.153	0.262	0.2	0.179
A023378_01	0.473	0.406	0.388	0.252	0.221	0.076	-0.062	0.017
A023386_01	-0.257	-0.293	-0.761	-0.64	-0.172	-0.305	-0.296	-0.291

A023389_01	-0.2 NA		-0.213	0.131	-0.005 NA		-0.3	0.117
A023404_01	-0.862	-1.126 NA		-0.427	0.064	0.101	0.292 NA	
A023424_01	-0.104	-0.205	-0.073	-0.51	0.01	0.019	0.155	0.105
A023428_01	0.567	0.357	0.338	0.255	0.04 NA		0.289	0.236
A023431_01	-0.748	-0.942	0.234	0.106 NA		-0.768	0.413	0.307
A023433_01	-1.234 NA	NA		-0.942	-0.147	-0.495	-0.074	-0.03
A023440_01	-0.521	-0.67	-0.642	-0.764	-0.266	-0.337	-0.271	-0.316
A023441_01	-0.134	-0.481	-0.003	-0.268	0.142	-0.379	-0.013	-0.186
A023443_01	0.096 NA		-0.189	0.064	0.084 NA		-0.072	-0.157
A023453_01	-0.275	-0.125 NA		-0.264	-0.154	-0.227	-0.229	0.027
A023457_01	0.519	0.512	-0.097	-0.222	-0.119	0.026	-0.051	0.012
A023470_01	-0.006	0.054	0.459	0.282	0.143	0.055	0.254 NA	
A023473_01	0.312 NA		0.124	0.204	-0.078 NA		0.009	-0.013
A023476_01	0.314	0.159	0.346	0.478	-0.003	-0.319	0.116 NA	
A023491_01	-0.253	-0.507	-0.172	-0.601	-0.003	-0.11	0.037	-0.138
A023504_01	-0.361	-0.334	-1.66	-1.296	-0.092	-0.171	-0.728	-0.737
A023507_01	-0.38	-0.116	-0.052	0.293	-0.519	-0.422	0.066	0.269
A023523_01	-0.291	-0.34	-0.264	-0.293	0.134	-0.153	-0.232	-0.035
A023537_01	0.138	-0.207	-0.076	-0.604	0.779	0.998	-0.085	-0.119
A023546_01	0.455	0.371	0.194	0.064	0.21	-0.272	-0.036	-0.035
A023566_01	-0.135	-0.054	-0.059	-0.243	0.226	0.127	-0.116	-0.199
A023589_01	0.009	-0.064	0.301	-0.03	0.063	-0.11	0.189	0.139
A023607_01	-0.19	-0.437	0.199 NA		0.164	-0.009	0.277 NA	
A023609_01	0.151	0.595	0.39	0.26	0.272	0.344	0.236	0.281
A023620_01	-0.587	-0.497	-0.947	-1.268	-0.26	-0.248	-0.554	-0.29
A023621_01	0.074	0.111	0.293	-0.432	0.085	0.065	-0.093	-0.075
A023622_01	-0.008	-0.106	-0.022	0.027	0.087	-0.146	-0.017	-0.193
A023623_01	0.688	0.266	0.574	0.51	0.168	0.173	0.254	0.114
A023629_01	-0.059	-0.301	0.068	0.193	-0.112	-0.41	0.227 NA	
A023630_01	-0.026	-0.147	0.128	0.442	0.337	0.269	0.053	-0.007
A023652_01	-0.24	-0.349	0.146 NA		0.306	0.075	0.265 NA	
A023658_01	0.668	0.572	0.151	0.389	0.481	0.379	0.443	0.304
A023665_01	0.101	0.281	0.203	0.023	0.274	0.118	-0.072	-0.056
A023672_01	0.032	0.035	0.146	0.317	0.014	-0.187	-0.2	-0.151
A023685_01	0.048 NA		-0.259	-1.08	0.35 NA		0.041	-0.093
A023689_01	-0.443	-0.568 NA	NA		-0.124	-0.348 NA	NA	
A023712_01	0.496	0.524	0.104	-0.342	0.037	0.296	-0.059	0.037
A023721_01	-3.143	-3.31 NA	NA		-1.134	-1.265	0.175	0.123
A023735_01	0.259	0.218	0.198	0.184	0.285	-0.138	-0.161 NA	
A023745_01	0.711	0.544	0.067	-0.652	0.327	0.388	0.284	-0.008
A023754_01	-0.21	-0.198	-0.148	0.131	-0.125	-0.275	-0.236	-0.084
A023756_01	0.479	0.703	0.612	0.939	-0.177	-0.198	0.042	-0.002
A023760_01	0.28	0.115	0.374	0.17	-0.073	-0.209	0.253	0.195
A023776_01	0.69	0.544	-0.36	-0.278	0.414	0.312	-0.068	-0.015
A023797_01	-0.042	-0.046	0.098	0.167	0.011	0.142	0.255 NA	
A023802_01	-0.717	-0.795	-1.031 NA		-0.396	-0.383	-0.615 NA	
A023806_01	0.601	0.567	0.324	-0.037	0.162	0.287	0.084	-0.005
A023808_01	0.172	0.046	0.233	0.368	0.091	-0.018	0.055	-0.038
A023814_01	-0.436	-0.231	-0.407	-0.217	-0.424	-0.242	-0.303	-0.102
A023818_01	0.089 NA		0.069 NA		-0.52 NA		-0.453	-0.365
A023824_01	0.517	0.384	0.307	-0.202	-0.101	0.045	0.147	0.019
A023852_01	-0.143	-0.145	-0.399	-0.317	-0.011	-0.138	-0.125	-0.398
A023870_01	-0.895	-0.872	-0.649	-0.462	-0.15	-0.227	0.019	-0.062
A023876_01	-0.147	-0.119	-0.242	-0.431	-0.208	-0.254	-0.012	0.051
A023896_01	-0.217	-0.33	-0.399 NA		0.095	-0.017	-0.367 NA	
A023897_01	-0.123	0.093	0.006	-0.113	-0.049	-0.18	-0.157	-0.126
A023902_01	-0.118	-0.098	0.285	0.356	0.158	-0.084	-0.038 NA	
A023904_01	0.241	0.574	0.731	0.808	0.49	0.673	0.265	0.359
A023913_01	0.373	0.186	0.742	0.888	0.587	0.332	0.663	0.238
A023941_01	0.745	1.382	1.087	0.671	0.892	1.132	0.273	0.451
A023943_01	-0.204	-0.639	-0.162	-0.131	0.131	-0.28	0.109	0.028
A023982_01	0.686	0.752	0.603	0.142	0.082 NA		0.03	-0.136
A023987_01	0.495	0.118	0.412	0.119	0.31	0.017	0.002	-0.275
A023993_01	0.604	0.626	0.362	-0.01	0.355	0.348	0.164	-0.085
A023994_01	-0.266	-0.111 NA		0.068	0.263	-0.02	0.481	0.522
A023999_01	0.14	-0.171	0.583 NA		0.161	-0.099	0.046	-0.22
A024001_01	0.478	0.137	0.253	0.444	0.228 NA		0.198	-0.159
A024024_01	0.221	0.208	0.644	0.357	0.403	0.156	0.092	0.131

A024026_01	-0.427	-0.773	-0.444	-0.773	-0.084	-0.313	0.226	0.247
A024027_01	-0.038	-0.318 NA		-0.092	0.135	-0.184	-0.027	-0.155
A024030_01	-0.083	-0.143	0.101	-0.113	0.313	0.051	0.017	-0.012
A024035_01	-0.176	-0.224	-0.125	0.066	0.021	-0.102	-0.38	-0.248
A024038_01	-3.651	-4.021	-1.805	-2.108	-3.19	-3.168	-1.118	-0.619
A024039_01	-2.492	-3.27	-1.783	-1.686	-2.069	-2.778	-0.885	-0.648
A024040_01	0.021	-0.269	-0.145	-0.094	-0.048	-0.485	-0.1 NA	
A024042_01	-0.086 NA		-0.2	0.261	0.108 NA		-0.176	-0.238
A024046_01	-0.302	-0.265	-0.105	-0.29	0.018 NA		0.053 NA	
A024056_01	0.118	0.033	0.192	-0.62	0.118	0.148	0.18	0.036
A024063_01	-0.46	-0.565	-0.872	-0.231	-0.251	-0.119	-0.259	-0.032
A024067_01	-0.484	-0.418	-0.001	-0.065	-0.216	-0.04	0.002	-0.027
A024071_01	-0.312 NA	NA		-0.018	-0.014 NA		-0.061	-0.042
A024074_01	-0.457	-0.586	-0.194	0.159	0.181	-0.037	0.216	-0.144
A024084_01	0.08	0.142	-0.048	0.094	-0.06	-0.151	-0.105	-0.203
A024086_01	0.331	0.131	0.203	0.028	-0.064	0.139	-0.128	0.047
A024089_01	-0.009	-0.274	-0.136	-0.098	-0.056	-0.305	-0.164	-0.403
A024092_01	-0.714	-0.966	-0.786	-0.97	-0.569	-0.577	-0.389	-0.401
A024099_01	-0.018	-0.138	0.333	0.194	0.295	0.216	-0.025	-0.101
A024101_01	0.393	0.358	0.514	0.441	-0.146	-0.401	-0.199	-0.138
A024105_01	0.161	0.098	-0.2	0.12	-0.106	-0.088	-0.239	-0.232
A024106_01	0.023	-0.05	0.31	-0.028	0.117	-0.138	0.106	-0.162
A024107_01	-0.27	-0.521	-0.264	-0.361	-0.001	-0.156	-0.004	-0.134
A024109_01	-0.345	-0.238 NA	NA		0.188	0.065	-0.201 NA	
A024112_01	-0.308	-0.176	-0.253	0.094	-0.09	-0.072	-0.376	-0.227
A024113_01	0.88	0.677	0.441	0.512	0.02	0.19	0.286	0.053
A024114_01	0.029	0.007	-0.304	-0.278	0.108	0.083	-0.488	-0.487
A024115_01	0.029	0.063	0.063	-0.138	0.068	-0.064	-0.043	-0.011
A024116_01	0.293	0.374	-0.029	-0.627	0.078	0.096	0.095	-0.003
A024118_01	0.321	-0.111	0.294	-0.203	-0.007 NA		0.075	0.144
A024123_01	0.017	-0.254	-0.482	-0.34	0.073	-0.169	-0.253	-0.332
A024128_01	-0.004	0.342	0.228	0.188	-0.022	0.173	-0.037	0.071
A024151_01	0.083	-0.178	-0.252	0.246	0.063 NA		-0.042	-0.111
A024153_01	-0.176	-0.031	0.575	0.106	-0.008	-0.198	0.018	0.023
A024157_01	-0.111	-0.315	-0.39	-0.374	0.356	-0.006	0.3 NA	
A024160_01	-0.258	-0.704	-0.514	-0.388	-0.201	-0.359	-0.167	-0.344
A024161_01	0.133	-0.003	-0.01	-0.022	0.048	-0.092	0.03	-0.045
A024166_01	0.336	0.174 NA		0.057 NA		-0.073	-0.007	-0.244
A024169_01	-0.475	0.194	0.31	-0.076	-0.349	-0.098	-0.266	0.124
A024172_01	0.65	0.516	0.267	0.221	0.167	0.045	0.002	-0.115
A024173_01	0.054	0.057	-0.145	-0.071	0.172	0.163	-0.108	-0.194
A024174_01	0.614	0.404	0.253	0.315	-0.003	-0.172	-0.064	-0.088
A024175_01	0.668	0.542	0.377	-0.464	0.321	0.132	0.244	0.02
A024176_01	-0.529	-0.134 NA		0.159	-0.447	-0.185	-0.221	0.168
A024180_01	0.127	0.151	0.453	0.169	0.261	0.244	0.052	-0.092
A024181_01	0.166	0.06	-0.292	-0.235	0.149	-0.001	-0.106	-0.325
A024182_01	-0.28	-0.42	-0.197	-0.867	0.072	-0.012	-0.492	-0.529
A024183_01	-0.631	-0.539	-0.62	-0.938	-0.05	-0.075	-0.086	-0.115
A024184_01	0.568	0.367	0.059	-0.083	0.224	0.017	-0.05	-0.264
A024187_01	0.039	0.112	-0.031	-0.163 NA		0.127	0.001	-0.02
A024188_01	-0.617	-0.547	-0.239	-0.38	-0.352	-0.148	0.013 NA	
A024191_01	-0.297	-0.361	0.07	0.128	-0.006	-0.215	-0.015	-0.095
A024192_01	-0.163	0.108	0.048	-0.212	0.165	0.202	-0.364	-0.162
A024193_01	0.836	0.291	0.256	-0.77	0.321	0.628	0.103	0.006
A024195_01	-0.534	-0.439	-0.109	-0.767	0.053	0.112	0.293	0.16
A024196_01	-0.229 NA		0.154	0.322	0.007 NA		0.072	-0.018
A024197_01	0.381	0.19	0.26	-0.002	0.25	0.057	0.211	0.055
A024199_01	0.639	0.483	0.419	-0.829	0.329	0.46	0.39	0.196
A024201_01	0.103	-0.385	-0.143	0.137	0.129	-0.334	-0.059	-0.192
A024207_01	0.36	0.336	-0.229	-0.536	0.106	0.129	0.001	-0.044
A024209_01	0.139	0.219	0.04	-0.344	0.017	0.243	-0.033	0.085
A024211_01	0.095	0.274	0.251	-0.472	0.151	0.189	-0.067	0.145
A024212_01	0.171	0.156	0.06	0.242	0.129	0.165	0.02	-0.081
A024214_01	-0.027 NA		-0.231	-0.245	0.014 NA		-0.154	-0.248
A024215_01	-0.118	-0.116	0.064	0.12	0.133	0.145	0.207	0.254
A024219_01	-0.015	-0.028	0.341	-0.326	0.412	0.483	0.648	0.446
A024220_01	0.938 NA		-0.138	-0.118	0.18 NA		0.039	-0.051
A024222_01	0.361	0.151	0.234	0.223	0.225	0.357	0.007	-0.029

A024223_01	-0.114	-0.167	0.136	0.197	0.012	-0.24	0.084	-0.106
A024224_01	0.336	0.349	0.31	-0.141	-0.09	0.015	0.015	0.051
A024226_01	0.015	-0.251	0.415	0.281	0.373	0.126	0.549	0.282
A024227_01	0.637	0.494	0.288	-0.303	0.498	0.315	0.669	0.418
A024228_01	-0.427	-0.54 NA	NA		-0.082	-0.334	-0.011	-0.173
A024229_01	0.317	0.052	0.214	-0.442	0.297	0.237	0.122	-0.003
A024230_01	-0.862	-1.438	-0.712	-0.795	-0.05	-0.296	0.091	-0.308
A024232_01	-0.062	0.259	-0.305	0.018	0.023	-0.007	-0.406	-0.346
A024235_01	-0.372	-0.215	0.043 NA		0.045	-0.064	-0.082	-0.099
A024236_01	-0.297	-0.383	0.074	0.172	-0.22	-0.54	-0.028	-0.116
A024237_01	-0.216	0.051	0.285	0.194	-0.131	-0.205	-0.082	0.134
A024239_01	-0.15	0.046	0.08	-0.154	0.063	-0.096	-0.128	-0.078
A024241_01	0.41 NA		0.222	0.138 NA	NA		0.096	-0.398
A024242_01	-0.185	-0.065	-0.078	0.264	-0.1	-0.146	-0.249	-0.185
A024243_01	0.444	0.135	-0.026	-0.543	0.067	-0.112	0.02	-0.054
A024246_01	0.277	0.227	0.198	-0.227	0.204	0.104	0.074	0.109
A024247_01	0.386	0.278	0.316	-0.481	0.071	0.014	0.075	-0.253
A024248_01	-1.461	-1.728	-0.605	-0.716	-1.243	-1.591	-0.322	-0.395
A024249_01	0.231	0.051	0.24	-0.145	0.441	0.316	0.423	0.147
A024250_01	-1.015	-0.451	-0.085	-0.449	-0.638	-0.111	0.004	0.356
A024251_01	-0.023	0.126	-0.407	-0.211	0.162	0.125	-0.038	-0.166
A024253_01	-0.106	-0.314	-0.005	-0.171	-0.02	-0.189	0.096 NA	
A024255_01	-0.696	-0.562	0.233	0.137	-0.188	-0.14	0.427	0.311
A024257_01	-0.475	-0.488	-0.453	0.055	-0.119	-0.226	-0.139	-0.107
A024258_01	-0.015	0.068	-0.081	-0.041	0.003	-0.007	0.082	-0.043
A024259_01	0.899	0.726	1.695	1.378	1.235	1.335	1.071	0.861
A024261_01	-0.37	0.187	0.181	0.079	0.213	0.325	-0.29	0.093
A024262_01	0.407 NA		0.322	0.289	0.274 NA		0.26	0.142
A024268_01	-0.307 NA		0.088	0.051	-0.008 NA		-0.017	-0.094
A024270_01	0.133 NA		-0.025	-0.198	-0.052 NA		-0.081	0.108
A024271_01	-0.333	-0.332	0.024	0.052	-0.075	-0.111	-0.06	-0.224
A024272_01	0.177	0.088	0.641	1.099	0.057	-0.214	0.133	-0.121
A024274_01	-0.369	-0.412	-0.448	-0.025	-0.294	-0.364	-0.086	-0.072
A024276_01	0.233	0.212	0.253	0.227	0.379	0.397	0.139	-0.03
A024279_01	-0.722	-0.613 NA	NA		-0.021 NA		0.269	0.05
A024280_01	-0.168 NA		-0.383 NA		-0.076 NA		-0.066 NA	
A024282_01	-0.025	-0.161	-0.215	0.207	-0.278	-0.283	-0.143	-0.167
A024284_01	-0.256	-0.423	-0.365	-0.259	0.206	0.042	-0.173	-0.28
A024286_01	0.363	0.261	0.285	-0.539	-0.064	0.172	0.172	0.027
A024288_01	-0.357	-0.293	0.238	0.277	-0.063	-0.041	-0.084	-0.141
A024289_01	-0.299	-0.437	-0.215	0.278	-0.037	-0.03	0.152 NA	
A024291_01	0.13	0.11	-0.334	0.035	-0.038	-0.045	-0.314	-0.126
A024292_01	-0.722	-0.778	-0.692	-0.918	-0.09	-0.282	0.331	0.202
A024293_01	0.509	0.071	0.06	-0.074 NA		0.034	0.087	-0.095
A024294_01	-0.091	-0.244	-0.105	0.07	0.011	-0.188	-0.104	-0.224
A024296_01	0.04	0.027	0.04	-0.224	0.084	0.185	0.423	0.069
A024297_01	-0.034 NA		-0.274	-0.613	-0.036 NA		0.166	-0.109
A024298_01	-0.205	-0.443	-0.376	-0.25	0.144	0.41	-0.079	-0.071
A024299_01	-0.247	-0.339	-0.117	-0.102	0.021	0.269	0.039	0.008
A024300_01	-0.016	0.18	-0.415	-0.076	-0.33	-0.237	-0.474	-0.398
A024302_01	-0.056	-0.347	-0.346	-0.48	0.08	-0.18	-0.202	-0.259
A024303_01	-0.156	-0.207	-0.337	-1.046	0.334	0.415	-0.002	-0.113
A024304_01	0.434	0.304	0.118	-0.38	0.252	0.427	-0.102	-0.227
A024305_01	-0.025	0.036	-0.055	0.037	0.037	-0.075	0.076	0.054
A024306_01	-0.268	-0.165	-0.053	0.077	-0.119	-0.21	-0.123	-0.16
A024308_01	0.317	0.115	-0.466	-0.37	0.093	0.25	-0.211	-0.151
A024310_01	0.305	0.242	-0.154	0.144	-0.153	-0.186	-0.47	-0.221
A024311_01	0.032	-0.101	0.094	0.523	-0.18	-0.727	0.039	0.003
A024312_01	0.134	0.179	-0.295	-0.205	0.128	0.037	-0.022	-0.07
A024315_01	0.523	0.448	0.187	0.482	0.092	-0.176	-0.081	-0.199
A024318_01	-0.043	-0.088	-0.292	0.055	-0.154	-0.329	-0.383	-0.357
A024321_01	-0.064	-0.014	0.037	-0.17	-0.081	0.045	-0.001	-0.052
A024326_01	-1	-0.803	-0.84	-1.549	-0.578	-0.182	-0.934	-0.525
A024328_01	-0.411	-0.482	0.044	-0.151	-0.11	-0.207	-0.083	-0.125
A024330_01	-0.09	0.04	-0.355	-0.363	-0.186	-0.076	-0.224	-0.218
A024331_01	-0.106	-0.083	-0.106	-0.497	0.102	0.09	-0.01	-0.088
A024332_01	0.291	0.296	0.919	0.763	0.396	0.439	0.382	0.361
A024337_01	-0.024	0.044	0.169	0.013	0.173	0.04	0.071 NA	

A024339_01	-0.119	-0.257	0.092	-0.311	0.002	-0.335	0.174	0.071
A024342_01	-0.028	0.064	0.149	-0.639	0.006	0.096	0.179	0.106
A024343_01	0.148	0	-0.088	-0.311	-0.036	-0.094	-0.155	-0.193
A024345_01	0.764 NA		0.497	-0.641	0.291 NA		0.249	0.181
A024346_01	0.063	-0.259	-0.029	0.283	0.012	-0.34	0.098	-0.129
A024347_01	-0.069	0.022	0.029	-0.299	0.09	0.205	0.335	0.273
A024348_01	0.37	0.163	0.058	-0.412	0.173	0.371	0.202	0.051
A024349_01	-0.681	-0.366	0.657	0.333	0.27	0.421	0.799	1.089
A024350_01	0.11	-0.202	0.612	0.291	0.611	0.579	0.192	0.101
A024352_01	0.409	0.383	0.166	-0.059	0.269	0.157	-0.054	-0.17
A024353_01	0.172	0.234	0.671	0.764	0.16	-0.042	0.646	0.36
A024354_01	-1.675	-1.727	0.3	0.263	-1.4	-1.748	-1.222	-1.134
A024356_01	-0.462	-0.469	-0.207	-0.097	-0.22	-0.046	-0.215	-0.105
A024357_01	0.426	0.056	-0.169	-0.086	0.201	0.051	0.353	0.219
A024360_01	0.803	0.867	0.774	1.036	0.763	0.926	0.172	0.072
A024361_01	0.538	0.498	-0.008	0.241	-0.199	0.221	-0.039	-0.034
A024362_01	0.088	0.022	-0.08	0.103	0.349	0.503	0.198	0.173
A024363_01	-0.123	-0.338	0.317	0.045	0.201	-0.083	0.199	-0.053
A024368_01	0.167	0.262	-0.071	-0.83	0.309 NA		0.221	0.096
A024369_01	0.076	-0.053	0.109	0.336	0.031 NA		0.12	-0.024
A024370_01	-0.535	-0.619	-0.017	-0.231	-0.053	-0.18	-0.026	-0.147
A024372_01	-0.116 NA		-0.489	-0.931	0.071	0.209	-0.403	-0.275
A024373_01	-0.115	-0.538	-0.382	-0.651	0.255	0.263	-0.04	-0.045
A024374_01	-0.16	-0.166	-0.117 NA		0.114	0.014	-0.019	-0.153
A024376_01	0.219	-0.058	0.124	0.095	0.336	0.275	0.231	-0.172
A024377_01	-0.405	-0.235	0.26	-0.021	-0.264	-0.319	-0.13	0.036
A024382_01	-0.109	-0.105	-0.286	-0.039	0.146	0.303	0.131	0.127
A024389_01	0.093	0.084	0.089	-0.379	0.196	-0.034	0.161 NA	
A024392_01	0.115	0.08	-0.344	0.28	-0.159	-0.347	-0.346	-0.329
A024394_01	-0.012	-0.121	0.106	-0.706	0.055	0.14	0.405	0.206
A024395_01	0.279	0.149	0.396	0.103	0.147	0.141	0.157	0.064
A024396_01	0.417	0.165	-0.07	-0.17	0.128	0.187	-0.013	-0.112
A024397_01	0.209	-0.029	0.417	0.173	0.271	-0.049	0.075	-0.153
A024398_01	0.091	-0.054	0.055	-0.382	-0.02	-0.188	-0.033	-0.222
A024399_01	0.219	0.213	0.026	-0.193	0.402	0.502	-0.131	-0.065
A024400_01	0.462	0.531	0.258	0.11	-0.06	0.167	-0.037	0.009
A024401_01	0.282	0.184	0.012	-0.004	0.197 NA		0.24 NA	
A024402_01	0.683	0.411	0.59	-0.262	0.167 NA		0.247 NA	
A024403_01	0.46	0.198	0.23	0.084	-0.061	0.35	-0.013	0.007
A024404_01	0.042	-0.056	-0.121	-0.176	-0.084	0.01	-0.176	-0.045
A024405_01	0.437	0.488	0	-0.747	0.413	0.482	-0.052	-0.148
A024406_01	0.466	0.289	-0.007	-0.336	0.4 NA		-0.043	0.108
A024410_01	0.572	0.37	-0.105	0.019	-0.096	0.073	-0.031	-0.061
A024413_01	0.167	0.114	-0.365	-0.151	0.078	0.127	-0.233	-0.198
A024414_01	0.257	0.017	0.049	-0.415	0.333	0.521	0.056	-0.092
A024417_01	-0.017	-0.332	-0.181	-0.523	-0.133 NA		0.063	-0.049
A024421_01	-0.375	-0.817	-0.686	-1.073	-0.404	-0.676	-0.354	-0.289
A024425_01	0.703	0.765	0.16	-0.03	0.088	0.32	0.023	-0.043
A024428_01	0.18	0.153 NA		-0.291	0.182 NA	NA		0.067
A024429_01	0.738	0.5	0.023 NA		0.34	0.67	0.41 NA	
A024430_01	-0.126	-0.05	-0.519	-1.117	-0.111	0.15	-0.211	-0.242
A024431_01	-0.076	-0.118	-0.033	0.106	-0.137	-0.316	0.026	-0.075
A024434_01	-0.427	-0.252	0.135	-0.104	0.296	0.295	-0.433	-0.359
A024435_01	-0.292	-0.654	-0.515	-0.389	0.087	0.091	0.133	0.094
A024439_01	-0.432	-0.387	-0.223	-0.001	0.072	0.1	-0.092	0.023
A024440_01	0.839	0.496	0.736	0.481	0.182	0.203	0.34	0.168
A024441_01	0.852	0.8	0.415	0.083	0.162	0.347	0.237	0.126
A024442_01	-0.141	-0.083	-0.267	-0.589	-0.14	-0.064	-0.174	-0.032
A024443_01	0.242	-0.016	-0.261	0.2	-0.217	-0.155	-0.311	-0.201
A024445_01	0.198	-0.121	-0.042	0.018	0.009	-0.015	0.171	0.103
A024447_01	-1.273	-1.317	-1.043	-1.527	-0.547	-0.432	0.076	0
A024449_01	-0.173	-0.41	0.305	-0.216	-0.011	-0.197	0.665	0.498
A024451_01	-0.135	-0.216	0.334	-0.294	0.214	0.052	0.147	0.04
A024452_01	0.001	0.102	0.222	-0.174	0.23	0.179	0.274	0.237
A024453_01	-0.107	-0.01	-0.02	-0.03	-0.355	-0.424	-0.257	-0.008
A024454_01	0.758	0.617	1.252	1.491	0.708	0.684	0.387	0.756
A024456_01	0.665	0.449	0.205	-0.215	0.552	0.66	0.094	0.11
A024457_01	-0.163	-0.312	-0.687	-1.224 NA		-0.109	-1.334	-1.104

A024459_01	-0.101	0.042	0.162	-0.168	0.152	0.122	0.037	0.108
A024461_01	0.007	-0.222	-0.063	-0.105	0.298	0.287	-0.083	0.199
A024464_01	-2.152	-2.954 NA		-2.635	-1.496	-2.18	-1.142	-0.838
A024465_01	0.024	-0.08	-0.185	-0.197	0.161	0.219	-0.35	-0.229
A024470_01	-0.436	-0.391	-0.429	-0.109	-0.125	0.009	0.133	0.139
A024471_01	0.58	0.506	0.034	-0.18	0.146	0.201	0.068	0.274
A024473_01	-1.934	-1.327 NA	NA		-0.948	-0.461	-0.15 NA	
A024474_01	-0.376	-0.404	-0.288	0.23	-0.245	-0.458	-0.301	-0.253
A024475_01	0.02	-0.207	-0.39	0.263	-0.118	-0.229	0.058	-0.027
A024476_01	-0.386	-0.444	-0.322	0.201	-0.194	-0.242	-0.153	-0.145
A024477_01	0.354	0.174	-0.231	-0.161	0.078	0.068	-0.072	0.031
A024478_01	-0.204	0.052	0.308	0.272	0.235	0.54	0.31	0.373
A024480_01	-0.039	-0.014 NA		-0.061	0.069	-0.123	0.014	-0.117
A024481_01	-0.997	-0.843	-1.058	-0.96	-0.362	-0.149	-0.411	-0.4
A024482_01	0.472	0.364	0.022	-0.59	0.246	0.342	0.198	0.084
A024484_01	-0.51	-0.533	-0.567	-0.338	-0.174	-0.052	-0.105	0.023
A024485_01	-1.065	-1.568	-1.225	-1.078	-1.161	-1.659	-0.607	-0.749
A024489_01	0.215	0.055	-0.008	0.081	0.12	-0.061	-0.099	-0.197
A024490_01	0.386	0.312	-0.123 NA		0.276	0.173	-0.183 NA	
A024493_01	0.108	-0.153	-0.254	0.271	-0.031	-0.112	-0.184	-0.315
A024494_01	0.462	-0.045	0.097	-0.56	0.158	0.16	0.055	0.025
A024495_01	-0.103	-0.093	-0.189	-0.376	0.302	0.389	0.151	0.154
A024496_01	-0.231	-0.313	-0.455	-0.242	0.311	0.403	0.15	0.169
A024499_01	-0.195	-0.402	-0.198	0.078	0.075	-0.229	-0.11	-0.278
A024500_01	0.084	-0.01	0.24	-0.034	0.32	0.236	0.207	0.135
A024501_01	1.573	1.256	0.617	-0.086	-0.161	0.549	0.605	0.444
A024502_01	-2	-2.331 NA	NA		-0.864	-1.222	-0.979	-0.846
A024503_01	-1.689	-1.953 NA		-1.797	-1.243	-1.431	-0.938	-0.696
A024504_01	-0.184	-0.067	0.012	-0.153	0.128	0.014	0.43	0.213
A024505_01	-0.061	0.056	0.11	-0.428	0.189	0.045	0.158	0.016
A024506_01	-0.132	-0.08	0.27	-0.094	0.046	0.035	0.159	0.05
A024507_01	0.301	0.402	0.555	0.422	-0.001	-0.014	-0.121	-0.115
A024508_01	-0.928	-0.922	-0.708	-0.528	-0.396	-0.215	-0.149	-0.014
A024509_01	-0.793	-0.901	-0.658	-0.309	-0.117	-0.226	0.052	-0.014
A024510_01	0.306	0.038	0.304	0.637	0.171	0.055	0.864	0.758
A024511_01	0.074	-0.182	-0.12	-0.158	0.073	0.103	-0.035	-0.074
A024512_01	-1.724	-1.919	-0.585	-0.854	-1.634	-1.579	-0.424	-0.238
A024513_01	0.586	0.548	0.779	0.151	0.173	0.302	0.369	0.453
A024514_01	-0.366	-0.477	-0.837	-0.391	0.174	0.257	0.005	0.04
A024518_01	-0.458	-0.361	-0.147	-0.103	-0.251	-0.211	0.023	0.048
A024521_01	0.603	0.553	0.016	0.531	-0.381	-0.455	-0.156	-0.025
A024522_01	0.575	0.432	0.564	0.635	0.413	0.79	-0.199	-0.085
A024523_01	0.511	0.409	0.093	0.197	0.198	0.04	-0.114	-0.161
A024526_01	0.328	0.193	0.269	-0.408	0.022	0.144	0.18	0.166
A024527_01	0.761	0.978	1.169	0.835	0.778	1.153	0.651	0.736
A024528_01	0.574	0.548	0.088	-0.225	0.113	0.478	0.205	0.035
A024530_01	0.141	0.072	0.442	0.444	0.005	-0.018	-0.026	0.089
A024531_01	0.189	0.454	0.383	0.422	0.107	-0.111	0.144	0.291
A024532_01	0.376	0.293	-0.105	-0.187	0.025	0.104	0.149	0.14
A024534_01	0.547	0.341	-0.221	-0.964	0.161	0.391	0.095	-0.017
A024536_01	-0.505	-0.413	-0.326	0.213	-0.642	-0.351	0.093	0.077
A024538_01	0.908	0.835	0.67	0.92	0.408	0.258	0.23	0.182
A024539_01	-0.021	-0.036	0.046	0.146	-0.064	-0.113 NA	NA	
A024544_01	-0.159 NA		-0.399	-0.173	0.178 NA		0.304	0.172
A024545_01	0.355	0.299	0.127	0.142	-0.198	0.084	0.111	0.209
A024546_01	0.145	0.2	-0.409	0.084	0.06	0.099	-0.145	-0.388
A024547_01	0.317	0.28	-0.403	-0.381	-0.018 NA		-0.197	-0.167
A024548_01	0.168	-0.018	0.098	-0.162	-0.165	-0.184	-0.116	-0.185
A024549_01	-0.057	0.114	0.028	-0.433	0.084	-0.01	-0.041	0.106
A024551_01	-0.318	-0.472 NA	NA		-0.084	-0.195	0.058 NA	
A024554_01	-0.224	-0.426	-0.391	0.249	-0.079	0.031	-0.175	0.045
A024555_01	-1.034	-1.007	0.425	0.056	0.087	-0.06	0.731	0.84
A024557_01	-1.366	-1.017	-0.654	-0.322	-0.326	-0.254	0.233	0.279
A024558_01	-0.247	-0.267	0	-0.027	0.186	0.183	0.043	0.077
A024559_01	0.156	-0.113	0.164	-0.404	0.124	-0.035	0.274	0.002
A024560_01	0.318	0.205	0.182	-0.108	0.287	0.273	0.533	0.291
A024561_01	0.314	0.307	0.315	-0.631	0.202	0.493	0.313	0.304
A024562_01	0.458	0.583	0.049	0.243	-0.044	-0.033	-0.22	-0.067

A024563_01	-0.651	0.261	0.072	-0.079	-0.329	0.445	0.209	0.099
A024564_01	0.223	0.188	-0.118	0.123	-0.161	-0.18	-0.118	-0.06
A024565_01	-0.113	-0.071	-0.158	0.409	0.062	-0.088	0.252	0.245
A024567_01	0.503	0.384	0.131	0.016	0.345	0.304	0.03	-0.089
A024568_01	0.121	-0.174	0.194	-0.061	0.066	-0.139	0.133 NA	
A024569_01	-0.365	-0.501	-0.266	0.153	-0.157	-0.196	0.191	0.051
A024570_01	-0.357	-0.35	0.117	-0.044	0.182	-0.11	-0.1	-0.037
A024571_01	-0.146	-0.061	-0.451	-0.034	-0.147	-0.167	-0.273	-0.259
A024572_01	0.108	0.145	-0.055	-0.259	0.099	-0.056	-0.151	-0.146
A024573_01	0.461	0.325	0.431	0.258	0.199	0.42	0.534	0.275
A024575_01	0.003	-0.251	0.074	0.143	0.197	0.137	0.241	0.245
A024576_01	0.511	0.399	-0.372	0.419	0.215	0.004	-0.122	-0.157
A024577_01	-0.311	-0.06	-0.205	0.187	-0.071	-0.046	-0.155 NA	
A024578_01	0.223	-0.032	0.127	-0.234	0.124	0.235	-0.387	-0.357
A024579_01	0.163	-0.23	-0.139	-0.342 NA		0.032	-0.2	-0.234
A024580_01	-0.049	-0.057	-0.254	-0.42	0.286	0.398	-0.015	-0.017
A024581_01	0.395	0.368	-0.1	0.159	-0.144	0.091	0.627	0.489
A024583_01	-0.091	-0.337	0.074	-0.17	0.077	-0.141	0.011	0.003
A024584_01	-0.451	-0.454	-0.006	-0.188	-0.465	-0.219	-0.261	0.077
A024585_01	0.175	0.225	-0.761	0.309	-0.232	0.021	-0.438	-0.104
A024586_01	0.744	0.61	0.362	0.07	-0.03	0.205	0.175	0.251
A024588_01	1.154	1.111	0.089	0.732	-0.117	0.02	0.172	0.157
A024589_01	-0.325	-0.495	-0.195	0.039	-0.201	-0.167	-0.176	-0.049
A024590_01	-0.55	-0.569	-0.173	0.032	-0.1	-0.309	-0.071	-0.128
A024592_01	-0.231	-0.389	0.024	0.153	0.03	-0.096	-0.115	-0.074
A024595_01	0.516	0.379	-0.04	0.39	0.179	0.297	-0.081	-0.004
A024596_01	-0.091	-0.001	0.31	0.155	0.04	0.041	-0.096	-0.023
A024597_01	0.427	0.219	-0.348	0.22	0.073	0.056	-0.014	0.016
A024598_01	0.023	-0.183	-0.187	-0.241	0.044	0.164	-0.056	-0.165
A024599_01	0.309	0.257	-0.286	-0.563	0.084	0.67	0.247	0.279
A024601_01	-0.285	-0.598	-0.192	0.028	-0.004	-0.39	0.012	-0.037
A024602_01	0.371	0.312	0.15	0.225	-0.196	-0.282	-0.138	-0.181
A024603_01	-0.103	0.001	0.336	0.168	0.277	0.172	0.388	0.337
A024604_01	0.403	0.233	0.327	0.462	0.134	0.277	0.049	-0.13
A024605_01	0.017	0.163	0.529	0.141	0.065	0.189	0.06	0.184
A024606_01	0.383	-0.02	-0.007	0.109	0.155	-0.016	0.027	-0.186
A024607_01	0.196	0.012	-0.021	0.553	0.094	0.008	0.208	-0.112
A024608_01	-0.358	-0.41	-0.099	-0.241	-0.06	-0.055	0.429	0.214
A024609_01	0.134	0.165	0.298	-0.595	0.206	0.197	-0.064	-0.027
A024610_01	-0.826	-0.905	-0.219	-0.094	-0.011	-0.069	-0.217	-0.248
A024611_01	-0.325	-0.463	-0.309	-0.709	-0.093	-0.081	0.299	0.298
A024612_01	0.104	0.091	-0.727	-0.858	-0.031	0.298	-0.376	-0.276
A024613_01	-0.067	-0.158	-0.156	0.264	-0.028	0.056	0.086	-0.093
A024614_01	0.403	0.121	-0.303	-0.602	0.269	0.145	0.095	-0.107
A024615_01	0.201	0.188	0.332	0.273	0.034	0.254	-0.098	-0.049
A024616_01	0.55	0.492	-0.175	-0.034	0.306	0.17	-0.064	-0.149
A024617_01	-0.005	0.149	0.489	0.36	-0.133	-0.039	0.274	0.211
A024620_01	0.372	0.611	0.207	-0.786	0.216	0.743	0.25	0.186
A024621_01	0.745 NA		-0.184	0.153 NA	NA		0.277	0.213
A024622_01	-0.007	-0.038	-0.232	-0.61	0.209	0.329	-0.137 NA	
A024624_01	-0.171	-0.086	0.016	-0.047 NA		0.513	0.046	0.074
A024626_01	0.39	0.075	0.147	-0.132	0.002	-0.131	0.461	0.122
A024627_01	-0.134	-0.302	-0.039	-0.223	-0.02	-0.06	0.111	0.033
A024628_01	0.541	0.202	0.226	-0.186 NA		0.091	0.137 NA	
A024629_01	-0.263	-0.288	-0.058	-0.744	-0.133	0.001	-0.313	-0.293
A024630_01	0.242	0.081	-0.525	0.019	-0.241	-0.184	-0.242	-0.122
A024631_01	-0.133	-0.249	0.15	-0.055	0.033	-0.142	0.1	0.004
A024632_01	-0.344	-0.338	-0.162	0.033	-0.141	-0.297	-0.119	-0.169
A024633_01	0.624	0.592	0.881	0.742	0.037	-0.106	0.953	0.94
A024634_01	0.069	-0.105	-0.009	-0.226	0.001	0.101	-0.029	-0.006
A024635_01	-0.502	-0.414	0.362	-0.097	-0.248	-0.696	0.017	0.138
A024636_01	0.325	0.062	-0.174	-0.853	0.224	0.381	0.119	-0.134
A024637_01	0.165	0.093	-0.192	0.129	-0.211	-0.095	-0.262	-0.207
A024638_01	-0.366	-0.363	0.003	0.065	-0.08	-0.09	0.224	0.23
A024640_01	0.395	0.103	0.155	-0.07	0.37	0.158	0.106	-0.185
A024642_01	-0.3	-0.315	0.341	-0.083	0.074	0.094	0.61	0.367
A024644_01	0.467	0.445	-0.216	-0.135	0	0.041	0.024	0.098
A024645_01	-0.446	-0.215	-0.022	-0.117	-0.218	-0.046	-0.304	-0.08

A024646_01	-0.156	-0.124	-0.107	0.003	0.11	-0.118	-0.102 NA	
A024647_01	0.24	0.376	0.536	0.368	-0.501	-0.725	0.086	-0.083
A024648_01	0.462	0.556	0.207	0.218	0.347	0.479	0.155	-0.033
A024649_01	0.367	0.596	-0.078	0.303	0.275	0.44	0.696	0.768
A024650_01	0.29	0.154	-0.376	-0.582	0.192	0.158	-0.019	-0.096
A024651_01	0.161	0.129	0.184	0.219	-0.013	-0.084	0.105	0.061
A024652_01	-0.458	-0.427	-0.062	0.044	-0.268	-0.401	-0.338	-0.247
A024653_01	-0.969 NA		-0.68	-0.968	-0.325 NA		-0.394	-0.492
A024656_01	0.473	0.318	-0.171	-1.047	0.236	0.185	-0.071	-0.24
A024657_01	1.022	0.968	-0.12	0.001	-0.149	0.239	-0.008	0.087
A024658_01	0.031	-0.059	-0.412	-0.359	0.249	-0.038	-0.109	-0.17
A024659_01	-0.627 NA		-0.434	-0.089	-0.202 NA		-0.229	-0.257
A024661_01	-0.317	-0.4	0.029	-0.015	0.073	-0.276	-0.029	-0.143
A024663_01	-0.931	-1.193	-0.308	-0.324	0.141	-0.101	0.367	0.09
A024664_01	-1.016	-0.835	-0.376	-0.435	-0.215	-0.132	-0.309	-0.092
A024665_01	0.267	0.179	0.248	0.214	0.282	0.042	-0.058	-0.094
A024666_01	0.077	-0.004	0.201	0.343	0.174	0.275	0.416	0.296
A024667_01	-0.017	-0.085	0.267	-0.801	0.162	0.275	0.029	0.083
A024669_01	0.441	0.088	-0.111	-0.034	0.172	0.119	0.07	-0.046
A024670_01	0.291	0.263	-0.257	-0.215	-0.027	0.005	-0.415	-0.215
A024671_01	-0.261	-0.188	-0.257	-0.024	-0.164	-0.284	-0.209	-0.162
A024672_01	-0.366	-0.327	-0.135	-0.823	-0.122	-0.294	-0.175	-0.077
A024673_01	-0.658	-0.926	-0.194	-0.126	-0.695	-1.149	-0.607	-0.502
A024674_01	0.007	-0.055	0.268	0.621	0.16	0.093	0.014	0.014
A024675_01	0.249	0.147	0.032	-0.099	0.153	0.002	-0.035	-0.204
A024676_01	-0.08	-0.018	-0.185	0.383	0.195	0.295	-0.222	-0.295
A024677_01	0.203	0.083	-0.152	-0.239	0.313	0.401	0.262	0.161
A024678_01	0.03	-0.15	-0.268	-0.05	0.294	-0.181	0.175 NA	
A024680_01	0.415	0.401	-0.048	0.252	0.217	0.251	0.314	0.196
A024681_01	0.488	0.212	-0.227	-0.463	0.085	-0.365	0.091	-0.052
A024682_01	0.391	0.607	-0.262	-1.118	0.754	0.848	0.149	-0.029
A024684_01	-0.316	-0.091	0.262	0.166	-0.027	-0.01	-0.209	0.028
A024686_01	0.155	-0.048	-0.055	-0.148	0.168 NA		0.015	-0.233
A024687_01	0.034	0.046	0.801	0.177	0.137	0.012	0.774	0.627
A024689_01	0.897	0.739	0.202	-0.77	0.202	0.409	0.014	-0.037
A024690_01	0.878	0.679	0.685	0.35	0.19	0.671	0.408	0.255
A024694_01	0.357	0.323	0.484	0.71	-0.008	-0.008	0.405	0.363
A024699_01	-1.565	-1.788 NA		-1.499	-0.942	-1.218	-0.677 NA	
A024718_01	0.147	0.004	0.199	-0.23	0.251	0.017	0.019	-0.201
A024719_01	0.052 NA		0.077 NA		0.075 NA		0.084	0.07
A024720_01	0.138	0.125	0.386	0.012	0.241	0.003	0.065	-0.044
A024724_01	-0.126	-0.025	0.357	0.526	-0.061	-0.594	-0.372	-0.361
A024725_01	0.352	0.389	0.662	0.475	-0.049	-0.189	0.295	0.231
A024728_01	0.377	0.236	0.516	-0.035	0.431	0.332	0.134	-0.027
A024749_01	0.167	0.042 NA		-0.458	0.342 NA		0.109	-0.036
A024778_01	0.106	0.197	-0.007 NA		0.289	0.019	0.132	-0.123
A024780_01	0.013	-0.078	-0.089	0.013	0.073	-0.215	-0.008	-0.205
A024783_01	-0.109	-0.283	-0.126	-0.584	-0.337	-0.383	-0.144	-0.19
A024784_01	0.324	-0.077	-0.088	0.09	0.196	-0.015	0.119	-0.086
A024785_01	-0.46	-0.328	0.057	0.299	-0.403	-0.761	-0.185	0.074
A024786_01	-0.135	-0.623	-0.17	0.106	0.147	-0.448	-0.054	-0.207
A024788_01	0.041	0.269	-0.342	-0.595	-0.164	-0.273	-0.68	-0.577
A024789_01	-0.29	0.081	-0.268	-0.596	-0.117	0.022	-0.482	-0.112
A024790_01	0.672	0.423	-0.019	0.064	0.385	0.53	0.001	0.029
A024791_01	0.391	0.599	0.658	0.444	0.107	0.23	0.299	0.419
A024794_01	-0.01	-0.349	0.102	-0.082	0.211	-0.288	0.115	-0.233
A024795_01	0.889	0.799	0.37	0.262	0.185	0.619	0.17	0.106
A024822_01	-0.432	-0.452	-0.418	-0.582	-0.169	-0.244	-0.016	-0.199
A024841_01	-0.237 NA		0.12	-0.375 NA		0.183	0.416	0.266
A024854_01	0.276	0.336	0.035	-0.537	0.018	0.193	0.049	0.088
A024856_01	-1.871	-2.452	-0.293	-0.282	-2.108	-3.178	-1.582	-1.245
A024862_01	-0.345	-0.592	-0.078	-0.332	0.229	-0.025	-0.37	-0.455
A024863_01	0.069	0.15	0.185	-0.592	0.299	0.487	0.072	0.02
A024872_01	-1.175 NA		-1.162	-1.079	-0.349	-0.684	-0.33	-0.289
A024873_01	-0.665	-1.266	-0.614	-1.08	-0.235	-0.262	-0.189	-0.281
A024876_01	-0.031	-0.346	-0.041	0.06	0.026	-0.234	-0.084	-0.327
A024881_01	-0.198	-0.246	-0.544	-1.228	0.034	-0.12	-0.084	-0.566
A024886_01	0.225	0.15	0.115	-0.295	-0.037	-0.011	-0.104	-0.181

A024890_01	-0.324	-0.443	-0.362	-0.561	0.474	0.153	0.687	0.394
A024913_01	-0.033	-0.177	-0.169	-0.015	0.069	-0.098	0.237	-0.155
A024975_01	-0.038	-0.118	-0.071	-0.276	0.087	0.002	0.2	-0.085
A024976_01	0.699	0.547	0.518	0.374	0.437	0.275	0.547	0.15
A024978_01	0.177	0.156	0.027	0.032	-0.002	-0.182	0.143	-0.102
A024993_01	-0.184	-0.392	0.098	-0.185	0.055	-0.131	0.029	-0.058
A025018_01	0.538	0.168	-0.18	-0.268	0.367	0.56	0.033	-0.184
A025019_01	0.774	0.441	0.126	-0.555	0.153 NA		0.143	-0.107
A025036_01	0.433	0.271	-0.119	-0.579	0.193	0.435	0.016	0.082
A025053_01	0.742 NA		-0.054	-0.932	0.267	0.717	0.272	0.06
A025058_01	-0.02	0.012	0.216	-0.223	0.457	0.406	0.212	0.059
A025060_01	-1.312	-1.872	-0.724	-0.907	-0.292	-0.444	-1.146	-0.944
A025061_01	-1.916	-1.962	-1.176	-1.428	-0.786	-0.631	-0.474	-0.271
A025074_01	-0.376	-0.238	-0.44	-0.351	-0.048	-0.029	0.034	-0.055
A025076_01	0.417	0.058	0.28	0.16	0.019	0.226	0.023	-0.096
A025079_01	-0.144 NA		0.319	0.052	0.179	-0.138	0.152	0.048
A025085_01	-0.026	-0.305	0.356	0.065	0.16	0.126	0.001 NA	
A025092_01	-0.906	-0.97 NA		-0.268	-0.249	-0.389 NA		-0.122
A025101_01	0.201	0.152	0.795	0.37	0.391	0.342	0.438	0.113
A025116_01	0.399	0.297	0.352	-0.023	0.306	0.461	0.017	-0.034
A025130_01	-0.02	-0.341	-0.704	-0.62	-0.418	-0.362	-0.399	-0.39
A025131_01	0.072	0.031	0.024	0.111	0.223	0.007	0.099 NA	
A025148_01	-0.027	-0.069	0.395 NA		0.058	-0.253	0.262	-0.067
A025176_01	0.901	0.59	-1.016	-1.341	0.127	0.66	-0.107	0.021
A025188_01	0.269	0.01	0.149	-0.052	0.113	0.065	0.134	-0.075
A025190_01	-1.593	-1.787	0.05	0.148	-1.916	-2.394	-0.85	-0.678
A025206_01	-0.624	-1.054	-0.217	-0.645	-0.2	-0.565	0.055	-0.082
A025211_01	-0.073	-0.183	-0.018	-0.277	0.38	0.242	0.146	-0.224
A025242_01	-0.269	-0.792	-0.492	-0.552	-0.025	-0.188	-0.117	-0.273
A025254_01	0.486	0.34	0.015	-0.764	0.274	0.412	0.152	0.101
A025261_01	0.693	0.512	0.16	-0.458	0.336	0.337	0.003	-0.138
A025268_01	-0.587	-1.163	-0.793	-1.071	-0.109	-0.278	0.36	0.223
A025273_01	-0.449	-0.245	-0.008	0.171	-0.154	-0.177	-0.238	-0.078
A025274_01	-0.148	-0.198	0.428	0.19	0.271	0.394	0.033	0.094
A025287_01	-0.001	0	0.075	-0.136	-0.016	-0.11	0.056 NA	
A025301_01	0.35	0.152	0.256	0.001	-0.066	-0.155	0.085	-0.042
A025313_01	-0.934	-1.203	-1.493	-1.622	0.242	0.118	-0.624	-0.724
A025335_01	-0.291	-0.264	-0.12	0.185	0.036	-0.164	-0.33	-0.245
A025341_01	0.464	0.281	0.095	-0.145	0.336	0.45	0.144	-0.086
A025351_01	0.285	0.312	0.366 NA		0.024	-0.173	0.04 NA	
A025353_01	0.743	0.484	0.372	-0.247	0.094	0.461	0.099	0.163
A025368_01	-2.197	-2.605	-0.366	-0.229	-2.701	-3.388	-1.769	-1.488
A025372_01	-0.697	-0.602	0.119	-1.145	-0.205	-0.083	0.098	0.088
A025376_01	-0.037	-0.037	-0.205	-0.361	-0.029	-0.213	-0.047 NA	
A025393_01	-0.544	-0.577 NA		-1.139	-0.231	-0.283	-0.521 NA	
A025394_01	0.106	0.297	-0.162	-0.044	0.274	0.273	0.147	0.277
A025397_01	-0.694	-0.851	0.537	0.721	-0.803	-0.751	0.313	0.21
A025403_01	0.343	0.374	0.517	0.618	-0.088	-0.015	0.112	0.448
A025406_01	-0.07 NA		-0.565	-1.089	0.382	0.492	0.04	0.046
A025408_01	-0.306	-0.116	0.25	-0.785	-0.266	0.235	0	0.384
A025418_01	0.043 NA		0.477 NA		-0.015 NA		0.254	0.151
A025456_01	0.664	0.296	-0.14	-0.348	0.336	0.52	0.058	0.012
A025462_01	-0.442	-0.653	-0.249	0.083	-0.219	-0.503	-0.226	-0.261
A025468_01	-0.246	-0.277	0.128	0.198	-0.133	-0.248	-0.09	-0.234
A025469_01	-1.963	-2.371	-0.578	-0.752	-2.24 NA		0.026	0.259
A025479_01	0.044	0.023	0.659	0.388	-0.075	-0.386	0.586	0.462
A025487_01	0.337	0.03	0.383	-0.175	-0.454 NA		0.2	0.036
A025502_01	-0.329	-0.73	0.646	0.171	0.127	-0.689	0.594	0.248
A025513_01	0.141	0.216	0.32 NA		-0.022 NA		0.088	0.227
A025519_01	-0.151	0.055	0.009	0.079	0.342	0.09	-0.039	-0.08
A025522_01	0.196	0.044	0.239	0.066	0.175	0.028	0.117	-0.007
A025542_01	-0.278	-0.132	-0.028	0.142	-0.171 NA		0.084 NA	
A025582_01	0.713	0.747	0.434	-1.37	0.354 NA		0.53	0.462
A025585_01	0.305 NA		0.615 NA		0.293	0.323	0.337	0.111
A025587_01	0.953	0.884	0.359	-0.516	0.303	0.719	-0.024	-0.108
A025588_01	-1.028	-0.971	-1.024	-1.371	-0.038	0.255	-0.493	-0.423
A025590_01	0.508	0.469	0.172	0.674	0.028 NA		-0.214	-0.367
A025600_01	0.268	0.177	0.363	0.198	-0.141	-0.43	-0.053	-0.178

A025603_01	-0.101	0.267	0.322	0.303	-0.086	-0.032	-0.082	0.146
A025613_01	-0.042	0.026	0.093	-0.021	0.094	0.084	0.117 NA	
A025618_01	0.308	0.449	0.114	-0.665	0.123	0.229	-0.03	0.102
A025621_01	0.358	0.04	0.129	-0.187	0.145	-0.015	0.017	-0.193
A025639_01	-0.805	-0.932	-0.917	-1.227	-0.288	-0.32	-0.325	-0.242
A025644_01	0.24	0.468	0.083	0.126	0.093	0.516	-0.005	0.054
A025645_01	0.019	-0.08	-0.126	0.168	0.028	-0.18	-0.177	-0.229
A025683_01	-1.637	-1.831	-1.187	-1.17	-1.244	-1.445 NA	NA	
A025697_01	0.74	0.428	0.109	-0.012	0.118	0.609	0.044	0.048
A025712_01	0.423	-0.001	-0.044	-0.311	0.075	0.175	0.312	0.1
A025718_01	0.457	0.276	-0.134	-0.125	0.281	0.484	0.801	0.645
A025719_01	0.291	0.184	0.211	-0.081	0.214	0.118	0.278	0.291
A025727_01	-1.459	-1.138	0.33	-0.053	-0.835	-0.522	-0.163	0.051
A025728_01	-0.63	-0.496	0.18	0.192	-0.542	-0.897	-0.189	0.093
A025730_01	-0.292	-0.506	-0.026	-0.231	-0.104	-0.504	-0.154 NA	
A025733_01	-0.894	-0.808	-0.235	-0.547	-0.401	-0.735	0.074	-0.022
A025735_01	-0.069	-0.039	-0.13	-0.171	-0.002	0.026	0.032	0.017
A025739_01	-0.606	-0.552	-0.001	-0.794	0.166	0.145	-0.224	-0.182
A025740_01	-1.022	-0.149 NA	NA		-0.304	0.482	-0.612	0.143
A025747_01	0.235	0.07	-0.208	-0.559	0.041	0.24	-0.118	-0.101
A025758_01	-0.033	-0.343	-0.398	-0.145 NA	NA		0.01	-0.374
A025759_01	1.099	0.858	0.138	-0.543	-0.137	0.65	0.159	0.178
A025762_01	0.631	0.682	0.601 NA	NA		-0.57	0.193 NA	
A025765_01	0.495	0.749	-0.535	-0.748	0.32	0.598	0.3	0.188
A025767_01	-0.742	-0.135	0.238	-0.434	-0.34	0.074	0.022	0.437
A025768_01	-0.012	-0.128	-0.221	-0.399	0.159	0.143	-0.069	-0.077
A025769_01	0.943	0.808	0.517	0.217	0.303	0.676	0.044	0.005
A025770_01	-0.248	-0.2	-0.478	-0.434	0.057	0.095	-0.192	-0.137
A025772_01	0.28	0.641	0.697	0.703	0.004	0.362	0.487	0.577
A025776_01	-0.538	-1.001	-0.12	-0.039	-0.61	-1.438	0.199	-0.055
A025777_01	0.682	0.605	0.284	0.106	0.354	0.506	0	0.008
A025778_01	0.668	0.373	-0.112	-0.228	-0.05	0.339	0.118	0.164
A025780_01	-0.229 NA		-0.026	-0.651	-0.297 NA		0.091	-0.003
A025785_01	-0.116	-0.163	0.016	-0.208	0.089	-0.144	0.103	-0.045
A025787_01	-0.463	-0.613	-0.739	-0.956	-0.003	-0.191	-0.707	-0.608
A025788_01	-0.409	-0.316	-0.221	-0.241	0.035	0.247	0.087	0.17
A025795_01	-1.026	-1.193	-0.129	0.013	-0.787	-1.251	-0.177	-0.209
A025798_01	0.95	0.7	0.351	0.156	0.087	0.628	0.177	0.041
A025799_01	-0.153	0.209	-0.07	0.03	-0.082	0.331	0.073	0.015
A025803_01	-0.135	-0.134	0.455	-0.107	-0.045	-0.317	0.16 NA	
A025804_01	0.41	0.332	0.33	-0.379	0.232	0.156	0.082	-0.123
A025807_01	-0.068 NA		-0.286	0.272	-0.155 NA		-0.402	0.225
A025814_01	0.889	0.548	0.382	-0.191	0.053	0.405	0.441	0.119
A025818_01	0.004	-0.01	0	0.163	-0.007	-0.136	0.387	0.233
A025825_01	-0.495	-0.291 NA	NA		0.09	-0.023	0.22	0.239
A025827_01	0.441	0.169	-0.188	0.14	0.197	0.253	0.048	-0.049
A025828_01	-0.093 NA		-0.364	-1.671	0.242	0.798	0.547	0.475
A025844_01	0.697	0.595	0.977	0.288	-0.213	-0.491	0.258	0.119
A025846_01	0.894	0.683	-0.124	-0.015	-0.059	0.159	-0.011	-0.179
A025847_01	0.665	0.644	0.949	0.553	0.567	0.695	0.605	0.373
A025849_01	0.852	0.624	0.272	0.573	0.452	0.578	-0.114	-0.237
A025861_01	0.193	0.003	-0.558	-0.317	0.042	0.516	-0.181	-0.103
A025867_01	0.48	0.406	0.245	0.029	0.004 NA		0.079	-0.051
A025868_01	-0.513	-0.668	-0.397	-0.751	-0.39	-0.432	-0.055	0.046
A025869_01	-0.387	-0.369	-0.558	-1.015	-0.215	-0.249	-0.201	-0.22
A025870_01	-0.298	-0.204	-0.428	-0.362	-0.095	-0.06	0.006	0.036
A025872_01	-0.442	-1.097	-0.743	-0.928	-0.129	-0.866	0.004	-0.132
A025873_01	0.152 NA		-0.276	-0.513	0.261	0.925	-0.212	0.076
A025874_01	0.42 NA		-0.031	-0.317	0.035	0.532	-0.121	-0.035
A025878_01	-0.227	-0.129	-0.277	-0.101	-0.051	-0.096	-0.096	-0.164
A025887_01	-0.132	0.048	-0.051	0.04	-0.136	0.334	0.06	0.177
A025896_01	-0.362	-0.247	-0.306	-0.154	0.033	0.173	-0.102	0.072
A025899_01	-0.154	-0.157	-0.144	-0.134	0.035	0.167	-0.211	-0.099
A025900_01	-0.127	0.254	0.671	0.727	0.038	0.108	0.327	0.314
A025901_01	-0.083	0.018	0.258	-0.156	-0.21	0.058	-0.05	0.107
A025908_01	0.162	0.097	0.08	-0.053	0.106	0.092	-0.021	-0.108
A025909_01	0.305	0.136	-0.422	-0.459	0.149	0.39	-0.007	-0.003
A025910_01	-0.577	-0.668	-0.29	-0.74	-0.362	-0.459	-0.014	-0.096

A025911_01	-0.094	0.314	-1.541	-1.473	-0.613	-1.925	-2.704	-2.235
A025916_01	0.858	0.295	-0.018	-0.416	0.169	0.164	-0.219	-0.325
A025918_01	-0.048	0.089	-0.275	0.019	0.143	0.179	-0.187	-0.1
A025920_01	-0.315	-0.243	-0.318	-0.314	-0.112	-0.079	-0.103	0.074
A025922_01	-0.27	-0.459	-0.486	-0.927	0.279	-0.037	-0.087	-0.056
A025924_01	0.053	-0.117	-0.114	0.136	0.152	0.221	-0.274	-0.24
A025929_01	-0.898	-1.104	0.287	0.14	-0.387	-0.679	0.005	-0.094
A025931_01	1.093	0.936	0.431	-1.107	0.194 NA		0.197	0.194
A025937_01	-0.191	-0.121	-0.835	-0.921	0.101	-0.027	-0.428	-0.38
A025939_01	-0.215	-0.198	-0.188	0.05	0.271	0.124	0.056	0.066
A025941_01	0.438	0.498	0.229	0.121	0.146	0.598	0.165	0.076
A025942_01	-1.059	-0.913	0.016	0.111	-0.948	-1.136	-0.308	-0.095
A025944_01	0.908 NA		0.648	0.356	0.058	0.749	-0.145	-0.105
A025947_01	-0.777	-1.134	0.184	0.003	-0.157	-0.197	0.648	0.493
A025949_01	-0.031	-0.191	-0.316	-0.275	0.128	0.191	0.067	0.008
A025951_01	-0.052	0.2	0.17	-0.024	-0.147	-0.101	-0.097	-0.084
A025956_01	0.231	0.333	-0.133	-0.069	0.067	0.454	0.006	0.034
A025957_01	1.091	1.039	0.165	-0.198	0.033	0.479	0.008	0.056
A025958_01	-0.389	-0.536	-0.643	-0.449	-0.427	-0.517	-0.014	-0.045
A025959_01	0.073	0.009	-0.186	-0.358	-0.142	0.083	-0.031	0.046
A025961_01	-0.541	-0.396	-0.456	-0.492	-0.13	0.187	-0.38	-0.202
A025962_01	0.423	0.453	-0.154	-0.364	0.26	0.299	0.091	0.131
A025963_01	0.541	0.567	0.154	0.296	0.266	0.483	0.023	0.135
A025965_01	0.599	0.59	0.105	-0.667	0.335	0.564	0.18	0.165
A025969_01	0.457	0.416	0.063	0.132	0.058	-0.028	-0.423	-0.186
A025970_01	0.176	0.229	0.027	-0.19	-0.19	0.011	-0.139	0.002
A025971_01	0.841	0.532	0.386	-0.347	0.15	0.278	0.403	0.254
A025975_01	0.654 NA		-0.212	-0.764	-0.098 NA		-0.101 NA	
A025978_01	0.9	0.453	-0.063	-0.032	0.162	0.432	0.197	0.062
A025984_01	-0.371	-0.327	0.034	0.059	-0.796	-1.086	-0.163	-0.025
A025986_01	0.066	0.173	0.018	-0.473	0.151	0.257	0.038	0.094
A025990_01	0.111	0.031	-0.296	-0.374	0.233	0.208	-0.1	-0.097
A025991_01	-0.357	-0.37	-0.374	0.348	-0.006	0.059	-0.036	-0.046
A025992_01	0.053	-0.128	-0.171	-0.631	0.27	0.145	-0.317	-0.228
A025995_01	0.349	0.008	0.066	-0.125	0.326	0.491	0.426	0.182
A025997_01	0.611	0.471	-0.13	-0.161	0.354	0.747	0.017	-0.006
A025998_01	0.413	0.233	0.205	-0.095	0.324	0.656	-0.207	-0.191
A026002_01	0.816	0.622	1.159	0.68	0.454	0.734	0.554	0.385
A026004_01	-0.488	-0.391	-0.091	-1.267	-0.062	-0.045	0.215	0.177
A026013_01	0.244	0.295	0.098	0.403	0.008	-0.188	-0.131	-0.126
A026014_01	0.135	0.199	0.246	0.21	0.176	0.212	0.255	0.153
A026015_01	0.563	0.818	0.258	-0.021	0.196	0.301	0.054	-0.015
A026017_01	0.161	0.279	-0.318	-0.34	0.099	0.302	-0.155	-0.012
A026024_01	0.247	0.373	0.191	-0.18	-0.066	0.187	-0.105	0.042
A026026_01	0.523	0.21	-0.147	-0.269 NA		0.39	0.078	0.193
A026043_01	0.432	0.479	-0.28	-0.644	-0.12	0.075	-0.411	-0.311
A026057_01	0.009	-0.096	0.028	-0.227	0.152	0.022	0.385	0.202
A026062_01	-0.257	-0.794	0.277	-0.013	-0.076	-0.566	0.106	-0.151
A026078_01	0.51	0.465	-0.043	-0.171	0.384	0.589	0.079	-0.093
A026081_01	0.463	0.472	0.707	0.521	0.21	0.299	0.417	0.29
A026082_01	-0.277	-0.302	-0.178	0.117	0.058	-0.089	-0.106	-0.168
A026083_01	-0.004	0.168	-0.003	0.079	0.218	0.118	-0.264	-0.279
A026086_01	0.589	0.527	0.062	-0.449	0.293	0.615	0.282	0.216
A026087_01	-0.423	-0.325	0.034	0.423	0.284	0.237	0.392	0.292
A026089_01	-0.186	-0.128	-0.12	-0.042	-0.215	-0.511	-0.241	-0.301
A000178_01	NA	0.455	0.288	0.754	-0.146 NA		-0.402 NA	
A000194_01	NA	0.176	-0.143 NA		-0.304 NA		-0.369 NA	
A000195_01	NA	0.178	0.189	0.829	0.252	0.259	-0.189 NA	
A000463_01	NA	0.348	0.117	-0.102	-0.385 NA		0.097	0.305
A000605_01	NA	0.162	0.292	0.351	-0.016 NA		0.067 NA	
A000683_01	NA	0.112 NA		0.435 NA		0.061	-0.143 NA	
A000724_01	NA	-0.054	0.291	0.127	-0.048 NA		-0.071 NA	
A000790_01	NA	NA	-1.01	-0.803	-1.426	-1.619	-0.863	-0.367
A000902_01	NA	0.042	0.19	0.012	0.282 NA		0.28	0.426
A000979_01	NA	-0.077	-0.161	0.541	-0.235	-0.015	-0.188 NA	
A001111_01	NA	NA	-0.06 NA		-0.424 NA		-0.148	0.497
A001151_01	NA	NA	-0.269	-0.043	-0.151 NA		-0.004 NA	
A001316_01	NA	-0.472	-0.132	0.105	-0.314	-0.414	-0.009	0.057

A001383_01	NA		-0.225	0.131	0.332	-0.189	NA		-0.115	NA
A001433_01	NA		0.131	0.475	0.009	0.244		0.286	0.283	0.112
A001509_01	NA	NA		NA	NA	-0.391	NA	NA		0.392
A001594_01	NA		0.417	0.295	0.691	-0.05		0.169	0.02	0.198
A001600_01	NA		-0.439	-0.726	0.085	-0.256		0.056	-0.009	0.112
A001888_01	NA	NA		-0.082	0.261	-0.214	NA		-0.098	NA
A002042_01	NA	NA		-0.765	-0.047	-0.35	NA	NA		NA
A002060_01	NA	NA		-0.725	0.052	-0.032	NA		-0.061	NA
A002084_01	NA		-1.53	NA	NA	-0.472		-0.438	0.065	NA
A002107_01	NA	NA		0.031	0.15	0.045	NA		0.284	NA
A002404_01	NA	NA		-0.295	NA	-0.216	NA		0.035	NA
A002434_01	NA		0.259	-0.033	0.406	-0.104	NA		-0.107	NA
A002621_01	NA		0.418	NA	NA	-0.265	NA		-0.425	0.052
A002778_01	NA		-0.558	-0.084	-0.359	-0.305	NA	NA		NA
A002947_01	NA		0.413	0.088	0.099	-0.263		-0.03	-0.155	0.163
A003123_01	NA	NA		-0.42	-0.3	-0.648	NA		-0.122	NA
A003140_01	NA		-0.803	-0.955	NA	-0.201	NA		-0.139	NA
A003218_01	NA	NA		0.29	0.412	0.073	NA		0.257	0.387
A003526_01	NA		-1.999	NA	NA	-0.857		-0.956	-0.851	NA
A003659_01	NA	NA		-0.076	0.158	-0.318	NA		-0.113	-0.027
A003766_01	NA	NA		NA		-0.847		-0.575	NA	-0.152
A003859_01	NA	NA		0.109	0.413	NA	NA		-0.395	NA
A004129_01	NA		-0.164	0.444	0.705	-0.239		-0.09	0.014	0.273
A004135_01	NA		0.54	-0.277	-0.349	-0.066		0.147	-0.056	0.072
A004159_01	NA		0.173	-0.127	-0.215	-0.019		0.175	0.007	0.015
A004334_01	NA		-0.274	0.126	0.031	-0.299	NA		0.08	NA
A004387_01	NA		0.264	0.289	0.221	0.393	NA		0.354	NA
A004423_01	NA		-0.147	0.153	-0.162	0.029	NA		-0.072	NA
A004572_01	NA	NA		-0.668	-0.679	0		0.139	0.159	0.192
A004660_01	NA		0.042	0.236	0.43	0.125	NA		0.335	NA
A004672_01	NA		0.175	0.093	0.135	0.106	NA		0.348	NA
A004702_01	NA	NA		-0.349	0.236	-0.19	NA		-0.299	NA
A004773_01	NA		0.078	0.021	0.03	-0.148		-0.102	-0.144	NA
A005189_01	NA		0.116	0.251	0.445	-0.38	NA		-0.287	NA
A005374_01	NA		-0.028	NA	-0.239	-0.14	NA		-0.06	0.154
A005392_01	NA	NA		NA	NA	-2.721	NA	NA		-1.629
A005515_01	NA		0.014	0.123	0.14	-0.03		-0.054	-0.085	NA
A005561_01	NA		0.148	0.055	0.032	-0.122		0.235	0.087	0.062
A005682_01	NA		-0.448	-0.585	0.365	0.021	NA		-0.345	NA
A005848_01	NA	NA		0.006	0.533	-0.087	NA		-0.089	-0.168
A006047_01	NA	NA		0.096	0.165	0.271	NA		0.365	0.26
A006139_01	NA		0.297	0.516	0.382	-0.212	NA		0.175	0.066
A006166_01	NA	NA		NA	-2.588	-1.884	NA		-1.257	-1.017
A006192_01	NA	NA		-0.354	0.05	0.028	NA		-0.203	NA
A006198_01	NA		0.315	0.048	0.536	0.182	NA		0.077	NA
A006299_01	NA		-0.159	-1.028	-1.576	-0.166	NA		-0.521	NA
A006359_01	NA	NA		NA	0.149	-0.156	NA		0.161	NA
A006535_01	NA		0.068	0.033	0.338	0.183	NA		-0.054	-0.013
A006561_01	NA		0.054	NA	NA	-0.255	NA		0.097	NA
A006584_01	NA	NA		0.175	NA	-0.52	NA		-0.21	NA
A006587_01	NA	NA		0	NA	-0.011	NA		-0.064	NA
A006588_01	NA	NA		-0.131	0.069	0.053		0.025	-0.153	NA
A006590_01	NA		0.447	0.023	0.064	0.046	NA		-0.141	NA
A006602_01	NA	NA		-0.417	0.364	0.019	NA		-0.269	NA
A006638_01	NA		-0.185	-0.465	0.085	-0.223	NA		-0.485	NA
A006655_01	NA		0.347	0.429	NA	-0.037	NA		-0.299	NA
A006661_01	NA		0.52	0.292	0.315	0.074		0.367	0.16	0.242
A006741_01	NA	NA		0.057	-0.172	-0.184	NA		0.185	-0.004
A006970_01	NA		0.562	0.333	0.813	-0.055		0.067	0.318	0.375
A007125_01	NA		0.075	-0.787	0.524	0.103		0.467	-0.811	NA
A007270_01	NA		-0.042	-0.019	-0.162	-0.126		-0.219	-0.156	-0.269
A007326_01	NA		-0.141	0.016	0.002	-0.297	NA		0.01	NA
A007344_01	NA		-0.073	-0.142	0.165	0.248	NA		0.033	NA
A007439_01	NA		0.354	-0.181	NA	0	NA	NA		NA
A007540_01	NA		-1.249	-1.15	-0.788	-0.817	NA		0.075	NA
A007611_01	NA		-0.114	-0.149	NA	0.136	NA		0.059	NA
A007679_01	NA		-0.084	0.392	NA	-0.492		0.025	-0.039	0.567
A007700_01	NA		-0.537	-0.591	0.273	-0.04	NA		-0.312	NA

A007742_01	NA	-0.319	0.602	0.637	0.089	0.096	0.409	0.325
A007802_01	NA	-0.101	0.031	0.037	-0.088	-0.292	-0.081	0.174
A007819_01	NA	0.09	0.086	0.285	0.034 NA		-0.223 NA	
A007828_01	NA	-0.399	-0.319	0.087	-0.133	-0.187	0.048	0.09
A007839_01	NA	-0.317	0.084	0.623	-0.213	-0.46	-0.041	0.172
A007867_01	NA	0.387	0.105	0.218	0.083 NA		-0.135 NA	
A007882_01	NA	NA	-0.107	0.104	-0.134	-0.026	-0.289	-0.1
A007997_01	NA	-0.322	-0.243	0.042	-0.424	-0.684	-0.405 NA	
A008030_01	NA	0.399	0.034	0.034	0.047 NA		0.021	-0.064
A008034_01	NA	NA	-0.119	-0.055	0.006 NA		0.265	0.149
A008278_01	NA	NA	-0.177	0.089	0.107	0.086	0.029	0.168
A008284_01	NA	-1.436	-1.185	-0.609	-0.787	-0.906	-0.349	-0.081
A008609_01	NA	NA	-0.047 NA		-0.098 NA		0.04 NA	
A008620_01	NA	-0.42	-0.041	0.301	-0.16	-0.422	0.131 NA	
A008712_01	NA	0.645	0.867	0.978 NA		1.006	-0.106	-0.035
A008935_01	NA	0.272	0.52	0.675	0.275 NA		0.606 NA	
A009025_01	NA	NA	NA	NA	-1.129 NA		-0.094 NA	
A009197_01	NA	-0.078	-0.283	0.023	-0.126 NA		-0.042 NA	
A009232_01	NA	NA	0.295	0.258	0.137 NA		0.311 NA	
A009254_01	NA	0.372	-0.126	0.339	0.015	-0.138	-0.119	-0.252
A009259_01	NA	-2.951	-1.904	-1.578	-1.169	-1.966	-0.371	-0.364
A009332_01	NA	NA	NA	NA	NA		-0.641	-0.63
A009654_01	NA	-0.515	-0.944	-0.254	0.159 NA		-0.206	-0.149
A009749_01	NA	-0.18	0.027	-0.167	0.093 NA		-0.138 NA	
A009945_01	NA	NA	-0.021	-0.118	-0.243 NA		0.125	0.272
A010046_01	NA	0.176	0.429	0.399	0.011	0.093	-0.049 NA	
A010070_01	NA	-0.354	0.026	-0.093	-0.058	-0.269	0.135 NA	
A010280_01	NA	0.424	-0.018	-0.513	0.185	0.113	-0.056	0.078
A010408_01	NA	0.024	-0.289 NA		-0.081 NA	NA	NA	
A010432_01	NA	-0.132 NA		0.157	0.002 NA		-0.237 NA	
A010479_01	NA	-1.015	0.106 NA		-0.46	-1.298	0.381 NA	
A010550_01	NA	0.377	-0.348	-0.04	-0.006 NA		0.007	-0.194
A010630_01	NA	-0.335 NA	NA		-0.005	-0.108 NA		-0.03
A010702_01	NA	-0.213	0.158	0.269	-0.112	-0.287	-0.124	-0.127
A010770_01	NA	-0.039	0.398	-0.346	0.073 NA		0.254	0.096
A010800_01	NA	-0.327	-0.355	-0.08	-0.123 NA		-0.299 NA	
A010889_01	NA	-0.433	0.003 NA		0.275 NA		0.142 NA	
A010924_01	NA	NA	-0.389	0.006	-0.291 NA		-0.116	-0.021
A010967_01	NA	NA	NA	NA	-2.428 NA	NA		-1.504
A010984_01	NA	-0.283	-0.177	-0.063	0.18 NA		0.094	-0.034
A010986_01	NA	0.129	0.072	0.222	0.119	0.31	-0.115	-0.105
A011239_01	NA	-0.17	-0.412	0.037	0.023 NA		0.018 NA	
A011702_01	NA	NA	NA	NA	-1.246 NA		-1.109 NA	
A011934_01	NA	-0.758	-0.28	0.26	0.117 NA		-0.074 NA	
A011958_01	NA	0.345	0.032	-0.134	0.074 NA		0.03	0.075
A012029_01	NA	-0.342	0.69	0.582	0.149 NA		0.432	0.214
A012053_01	NA	-0.472	0.042 NA		-0.127	-0.303	-0.147 NA	
A012261_01	NA	-0.312	-0.334	0.107	0.117 NA		0.223	0.105
A012345_01	NA	NA	0.411	-0.013 NA	NA		0.069	0.066
A012409_01	NA	0.996	0.202	0.019	0.471	0.823	0.089 NA	
A012427_01	NA	0.165	-0.235	-0.451	0.153 NA		0.243 NA	
A012433_01	NA	NA	0.183 NA		-0.458	-0.072	-0.205	0.343
A012676_01	NA	-0.183	-0.118	0.441	-0.003	-0.136	0.443	0.335
A012743_01	NA	-0.09	-0.427	-0.031	0.252	0.214	0.214	0.079
A013121_01	NA	NA	-0.303	-0.73	-0.062 NA		-0.488 NA	
A013400_01	NA	NA	0.128	0.204	0.538 NA		0.37	0.139
A013826_01	NA	0.328	0.5	-0.023	0.14	0.256	0.094	-0.021
A014261_01	NA	NA	-0.302	-0.238	0.047 NA		-0.076	-0.106
A014327_01	NA	NA	0.203	-0.238	-0.125 NA		0.395 NA	
A014482_01	NA	-0.113	0.082	-0.198	-0.042 NA		0.133	-0.277
A015221_01	NA	0.148	0.117	0.258 NA		0.195	0.181	0.199
A015419_01	NA	-0.551	0.22	0.462	-0.606 NA		-0.309 NA	
A015597_01	NA	-0.285	0.021	0.377	-0.087	-0.447	-0.148 NA	
A015680_01	NA	-0.148	0.098	0.053	0.299 NA		0.166 NA	
A015726_01	NA	-0.425 NA		-0.146	-0.012	-0.27	0.158	0.149
A015821_01	NA	NA	-0.366	-0.259	0.126 NA		-0.111	-0.259
A015829_01	NA	0.031	0.158	0.025	0.044 NA		0.059 NA	
A016078_01	NA	NA	0.007	0.077	0.089 NA		-0.073 NA	

A016171_01	NA	NA	NA	NA	-1.638	NA	-1.018	-0.632
A016256_01	NA	-1.219	-0.3	-0.081	-0.303	NA	0.245	0.091
A016280_01	NA	-0.412	NA	NA	-0.045	NA	NA	NA
A016737_01	NA	0.217	-0.245	0.065	-0.083	0.021	-0.194	-0.149
A016743_01	NA	NA	0.024	0.384	-0.261	NA	-0.139	NA
A016766_01	NA	-1.44	NA	-0.937	-0.639	NA	-0.563	NA
A016874_01	NA	-0.512	-0.52	-0.367	-0.395	NA	0.21	NA
A016906_01	NA	-1.294	-2.652	-3.038	-0.471	NA	-2.336	-1.347
A016921_01	NA	-0.013	-0.614	-0.056	0.039	NA	-0.286	NA
A016963_01	NA	0.153	0.354	NA	0.38	NA	0.242	NA
A017319_01	NA	-0.901	-0.215	-0.927	-0.242	-0.184	0.225	NA
A017543_01	NA	NA	0.253	NA	NA	0	-0.222	-0.25
A017592_01	NA	0.213	-0.021	0.14	0.075	NA	-0.2	NA
A017615_01	NA	NA	-0.408	-0.452	0.005	NA	0.642	0.321
A017639_01	NA	NA	-0.027	-0.359	NA	-0.845	-0.175	-0.167
A017675_01	NA	0.281	-0.043	0.454	-0.071	NA	-0.292	NA
A017696_01	NA	-0.38	-0.674	-0.903	-0.213	NA	-0.598	-0.737
A017708_01	NA	NA	NA	-0.968	-0.009	NA	-0.253	NA
A018180_01	NA	-0.451	-0.513	-0.435	-0.324	NA	-0.221	NA
A018346_01	NA	-0.205	0.399	0.224	-0.018	NA	-0.25	NA
A018376_01	NA	NA	-0.011	0.1	0.151	NA	-0.088	NA
A018459_01	NA	-0.19	-0.228	-0.02	0.102	-0.066	-0.067	NA
A018525_01	NA	-0.16	NA	0.142	0.029	-0.049	NA	NA
A018642_01	NA	-0.132	0.05	0.571	0.17	-0.05	0.587	0.241
A018791_01	NA	0.201	0.156	0.26	-0.232	-0.019	0.081	0.102
A018839_01	NA	-0.061	0.297	NA	-0.006	NA	0.037	NA
A019083_01	NA	-0.093	-0.119	-0.732	-0.135	-0.136	-0.008	NA
A019129_01	NA	-0.16	0.091	0.154	0.418	0.046	0.216	NA
A019148_01	NA	-0.512	-0.062	-0.207	0.199	0.004	0.304	0.03
A019207_01	NA	0.005	NA	-0.127	0.064	NA	0.05	NA
A019260_01	NA	NA	-0.265	-0.443	0.301	0.095	-0.098	-0.471
A019316_01	NA	0.28	-0.311	-0.157	0.063	NA	0.104	-0.045
A019339_01	NA	-0.064	-0.207	0.062	0.408	-0.125	-0.081	-0.424
A019441_01	NA	-0.236	-0.097	0.191	-0.252	-0.164	-0.056	0.146
A019481_01	NA	0.16	-0.281	-0.177	0.142	NA	-0.078	-0.197
A019507_01	NA	0.051	NA	0.192	0.216	0.348	-0.068	NA
A019546_01	NA	-0.011	-0.114	0.09	0.191	NA	0.561	NA
A019605_01	NA	-0.238	0.041	0.334	-0.226	-0.243	-0.215	NA
A019623_01	NA	-0.234	-0.375	-0.543	0.048	NA	-0.175	NA
A019735_01	NA	-0.334	0.405	0.211	0.08	-0.057	0.492	0.51
A019790_01	NA	NA	NA	NA	-2.238	-3.27	NA	-2.151
A019856_01	NA	-3.314	NA	NA	-2.088	-3.015	NA	NA
A019860_01	NA	-0.639	-0.565	0.199	-0.4	NA	-0.486	NA
A019961_01	NA	-0.497	-0.107	-0.178	-0.126	-0.208	0.013	-0.075
A020003_01	NA	-0.166	0.211	-0.029	0.118	-0.15	0.068	NA
A020052_01	NA	0.091	0.258	0.767	-0.285	NA	0.38	0.243
A020094_01	NA	-0.326	-0.052	0.281	-0.128	-0.293	0.009	-0.031
A020163_01	NA	NA	-0.333	-0.094	-0.385	-0.23	-0.181	-0.328
A020252_01	NA	0.084	0.259	0.518	0.451	NA	0.291	NA
A020391_01	NA	-0.225	0.022	0.126	NA	NA	-0.2	-0.301
A020483_01	NA	NA	NA	-0.078	-0.209	NA	NA	0.018
A020662_01	NA	0.312	0.016	-0.332	0.386	NA	0.137	NA
A020698_01	NA	-0.522	-0.486	-0.612	-0.266	NA	-0.089	-0.022
A020745_01	NA	-0.1	-0.389	NA	0.124	0.13	NA	NA
A020865_01	NA	NA	-2.378	-2.797	-0.312	-1.15	-0.585	-0.422
A020875_01	NA	-0.222	NA	0.079	-0.092	-0.239	0.085	NA
A020877_01	NA	-2.348	-2.3	-2.177	-1.685	-2.21	-0.01	-0.108
A020895_01	NA	-0.093	0.131	0.015	0.097	NA	0.257	-0.088
A020989_01	NA	NA	0.16	0.579	0.317	0.37	0.308	NA
A021075_01	NA	-0.224	-0.069	-0.248	0.03	NA	0.207	-0.119
A021101_01	NA	-0.072	-0.079	0.076	-0.129	NA	0.426	NA
A021199_01	NA	-0.381	0.248	0.213	0.135	-0.051	0.469	0.387
A021203_01	NA	0.187	NA	-0.479	-0.106	-0.181	-0.069	-0.249
A021404_01	NA	-0.383	-0.931	-0.76	-0.036	NA	-0.393	-0.411
A021457_01	NA	-0.146	0.141	NA	-0.124	-0.184	-0.114	NA
A021598_01	NA	NA	0.112	0.085	-0.181	NA	0.13	-0.015
A021618_01	NA	-0.845	-0.69	-0.738	0.081	-0.115	-0.041	-0.202
A021825_01	NA	-1.85	NA	-0.86	-0.913	-1.509	NA	NA

A021855_01	NA		-0.605	-0.096	0.062	0.097	NA	0.213	NA
A022122_01	NA	NA		NA	NA	-0.946	NA	-1.286	NA
A022228_01	NA	NA		-0.221	-0.172	0.162	-0.115	0.078	0.048
A022508_01	NA		-0.218	-0.179	0.063	0.107	0.042	0.063	NA
A022526_01	NA		0.32	0.074	-0.685	-0.068	NA	0.027	NA
A022621_01	NA		0.358	0.418	-0.074	0.347	NA	-0.058	NA
A022710_01	NA		0.343	0.266	-0.722	0.234	0.083	-0.011	-0.124
A022924_01	NA		0.605	-0.023	0.106	0.332	NA	-0.146	NA
A023591_01	NA	NA		-1.132	-0.69	-0.183	NA	-0.107	NA
A023758_01	NA		-1.505	-0.318	-0.469	-0.727	-0.712	0.56	0.734
A023785_01	NA		0.064	-0.151	-0.095	-0.181	NA	-0.205	NA
A023963_01	NA	NA		-0.053	0.182	-0.019	NA	-0.144	NA
A024087_01	NA		-0.187	-0.033	-0.5	-0.032	NA	0.078	NA
A024254_01	NA		-0.558	-0.103	-0.534	0.028	-0.536	0.414	NA
A024432_01	NA	NA		-0.64	-0.87	-0.076	NA	0.149	0.203
A024688_01	NA	NA		-0.846	-1.155	0.317	NA	-0.169	-0.385
A024828_01	NA	NA		-0.029	-0.325	0.217	NA	0.294	-0.069
A024871_01	NA		0.151	-0.17	NA	0.12	NA	-0.068	NA
A025304_01	NA	NA		0.169	-0.344	0.135	NA	0.416	0.067
A025505_01	NA	NA		0.124	-0.433	-0.081	NA	0.158	0.028
A025631_01	NA		-0.183	-0.31	-0.222	0.084	NA	-0.351	NA
A025649_01	NA	NA		0.336	NA	0.086	-0.726	-0.003	NA
A025888_01	NA		-0.066	NA	NA	0.417	-0.092	NA	-0.081
A025917_01	NA		-0.247	0.167	-0.108	0.058	0.004	0.18	-0.019
A025993_01	NA		-0.765	-0.591	-0.448	-0.164	NA	-0.69	NA
A000832_01	NA		0.054	-0.434	-0.089	0.094	0.145	-0.171	0.086
A000983_01	NA	NA	NA		-1.19	-1.471	NA	-1.283	NA
A001323_01	NA		0.088	NA	NA	0.238	0.09	0.096	NA
A001615_01	NA	NA		-1.28	-0.959	-0.454	NA	-0.544	-0.23
A002100_01	NA		-2.923	-2.117	-1.541	-1.747	-2.088	-0.126	-0.016
A002428_01	NA		-4.078	NA	NA	-2.57	NA	-1.488	-1.186
A002959_01	NA	NA		0.046	0.025	-0.233	NA	0.285	0.348
A003384_01	NA	NA		-0.75	-0.763	-0.556	NA	-0.059	NA
A003432_01	NA	NA	NA		NA	-1.806	-1.727	-0.731	-0.337
A003906_01	NA	NA	NA		NA	-1.024	NA	-1.06	NA
A004158_01	NA		0.212	0.025	0.073	-0.104	NA	0.032	0.227
A005016_01	NA	NA		-1.154	-0.578	-0.337	NA	-0.503	NA
A006218_01	NA		-2.283	-0.655	-0.725	-0.812	-1.238	-0.131	-0.151
A006571_01	NA		-0.001	0.175	0.421	0.164	0.322	0.381	0.376
A007664_01	NA	NA	NA		-1.964	-1.539	NA	-0.609	-0.436
A007996_01	NA	NA		-0.201	-0.163	-0.286	NA	0.329	0.285
A008395_01	NA		0.284	0.346	-0.096	0.45	0.66	0.471	0.171
A009384_01	NA		-2.36	-2.857	-2.939	-1.794	-2.211	-0.766	-0.51
A010777_01	NA	NA		-0.01	0.203	0.032	NA	0.085	0.049
A011549_01	NA	NA	NA		NA	-1.127	NA	-0.515	-0.407
A012282_01	NA	NA		-0.038	0.357	0.33	0.253	0.304	0.211
A012617_01	NA	NA	NA		-0.296	-0.09	-0.42	-0.193	-0.226
A014149_01	NA	NA		-2.193	-2.649	-1.164	NA	-0.419	-0.299
A014237_01	NA		-0.559	NA	NA	-0.018	-0.4	NA	-0.027
A014458_01	NA	NA	NA		NA	0.272	NA	NA	0.22
A014719_01	NA		-2.818	NA		-1.524	-1.795	-0.783	NA
A014768_01	NA		0.095	0.214	0.155	0	-0.029	0.31	0.192
A015277_01	NA		-0.813	-0.444	-0.443	-0.095	NA	0.166	NA
A015501_01	NA	NA	NA		-1.693	-1.036	NA	-0.195	-0.251
A015891_01	NA	NA	NA		NA	-0.701	-1.369	-0.698	-0.61
A016892_01	NA	NA		-1.644	NA	-0.692	NA	-0.665	NA
A018578_01	NA		-0.397	-0.387	NA	0.235	NA	-0.236	NA
A018773_01	NA		-0.035	-0.139	0.307	0.171	0.003	0	-0.046
A019147_01	NA	NA		0.222	-0.187	0.321	0.331	0.059	-0.183
A019173_01	NA		0.452	0.381	0.159	0.091	0.007	-0.009	-0.123
A020365_01	NA		0.412	-0.216	-0.732	0.278	NA	-0.204	-0.21
A020695_01	NA	NA		0.017	0.9	0.577	0.527	0.803	0.47
A020773_01	NA		-0.604	-0.528	-0.12	0.258	0.09	0.436	0.159
A021007_01	NA	NA	NA		-2.843	-0.838	-1.375	-1.736	-1.26
A021284_01	NA		-0.178	0.31	0.517	0.041	-0.061	0.364	0.107
A021358_01	NA		-0.299	0.19	NA	-0.007	0.015	-0.002	0.157
A021505_01	NA		-1.481	-0.793	-0.83	0.048	0.229	0.314	0.252
A021801_01	NA	NA	NA		NA	-2.148	NA	-3.022	-2.359

A021844_01	NA		-0.536	NA	NA	-0.05	-0.127	-0.235	-0.164
A021861_01	NA	NA		0.176	-0.288	0.218	NA	0.301	0.363
A021957_01	NA	NA		0.142	0.247	0.664	0.433	0.588	0.36
A022288_01	NA	NA	NA	NA	NA	-2.25	NA	-0.628	NA
A022312_01	NA	NA		-0.776	-0.611	0.121	NA	-0.371	-0.511
A023427_01	NA	NA	NA	NA	NA	-2.134	NA	-1.433	-1.168
A023639_01	NA	NA		-0.216	0.22	0.4	NA	0.316	NA
A024654_01	NA		-0.5	0.215	-0.545	0.066	-0.285	0.219	-0.187
A025744_01	NA		0.2	-0.534	-0.627	0.328	-0.056	-0.655	-0.49
A008108_01	NA	NA		-1.956	-1.848	NA	NA	-0.452	-0.283
A011990_01	NA		-0.447	-0.515	0.017	NA	NA	-0.062	-0.315
A018550_01	NA	NA	NA	NA	NA	NA	0.362	0.318	0.719
A018865_01	NA		-0.265	-0.052	-0.171	NA	0.264	-0.031	-0.047
A020743_01	NA		-0.225	0.27	-0.035	NA	NA	0.082	0.035
A023790_01	NA	NA	NA	NA	NA	NA	-0.385	0.029	-0.135
A023812_01	NA	NA		0.445	NA	NA	0.447	0.282	0.289
A024387_01	NA		-0.295	-0.378	-0.065	NA	0.033	0.077	0.228
A024446_01	NA		-2.461	-2.265	-2.205	NA	-1.925	-1.715	-1.492
A024462_01	NA		-0.275	0.06	0.15	NA	-0.171	-0.025	NA
A024556_01	NA		-1.322	-0.058	0.003	NA	-1.46	-0.33	-0.654
A025800_01	NA		0.262	0.212	0.122	NA	0.011	0.085	-0.06
A000741_01	NA		0.159	0.267	0.3	NA	0.115	0.02	0.129
A020770_01	NA	NA		-4.555	-4.647	NA	NA	-3.592	-2.309
A001491_01	NA		-1.31	-0.479	-0.93	NA	-0.4	-0.085	-0.093
A000015_01	NA		-0.242	-0.533	0.528	NA	-0.804	-0.656	NA
A000400_01	NA		0.244	0.013	0.172	NA	0.32	0.209	0.057
A000418_01	NA		-0.27	-0.249	0.245	NA	-0.153	-0.203	-0.054
A000448_01	NA		0.26	-0.036	-0.187	NA	0.45	0.178	0.312
A000745_01	NA		-0.049	-0.176	-0.27	NA	-0.165	-0.131	-0.155
A000942_01	NA		0.277	-0.208	0.034	NA	0.48	-0.181	0.085
A001047_01	NA		0.024	0.186	0.61	NA	0.031	0.195	0.251
A001349_01	NA		0.362	-0.235	-0.208	NA	0.219	0.12	0.203
A001364_01	NA		-0.22	-0.264	-0.104	NA	-0.112	-0.153	-0.103
A001393_01	NA		0.032	-0.534	-0.215	NA	-0.466	-0.489	-0.223
A001427_01	NA		-0.398	-0.203	-0.009	NA	-0.159	-0.098	0.049
A001475_01	NA		0.213	0.011	0.057	NA	0.083	0.042	-0.125
A001493_01	NA		-0.139	0.093	0.137	NA	-0.11	-0.224	-0.079
A001569_01	NA		0.305	-0.242	0.184	NA	0.051	-0.483	-0.189
A002091_01	NA		0.151	0.005	0.152	NA	-0.01	-0.058	0.249
A002115_01	NA		0.096	0.074	0.134	NA	0.083	0.184	-0.052
A002139_01	NA		0.457	0.453	-0.21	NA	0.093	0.102	0.058
A002163_01	NA		0.361	-0.13	0.11	NA	-0.086	-0.044	0.079
A002347_01	NA	NA	NA	NA	NA	NA	0.086	0.246	0.641
A002358_01	NA		-0.018	-0.176	0.495	NA	0.119	-0.488	-0.147
A002438_01	NA		-0.156	-0.379	-0.295	NA	0.044	-0.275	0.044
A002620_01	NA		-0.551	-0.515	-0.207	NA	-0.57	-0.465	-0.148
A003454_01	NA		0.261	0.129	0.388	NA	0.061	-0.114	NA
A004153_01	NA		-0.346	-0.035	-0.087	NA	0.136	0.015	0.087
A004340_01	NA		0.402	0.224	0.234	NA	0.067	-0.163	-0.273
A004366_01	NA		-0.433	-0.114	0.522	NA	-0.173	-0.149	-0.214
A004544_01	NA		-0.14	-0.223	-0.157	NA	0.05	-0.06	0.007
A004681_01	NA		-0.108	0.517	0.067	NA	-0.074	0.247	0.092
A004767_01	NA		0.146	-0.394	-0.317	NA	0.608	0.035	NA
A004957_01	NA		-0.836	-0.714	-0.584	NA	0.018	-0.146	-0.104
A004958_01	NA		-0.132	0.223	0.287	NA	0.204	-0.138	-0.109
A004969_01	NA		-0.233	-0.138	-0.303	NA	NA	-0.307	NA
A005896_01	NA		-0.4	-0.398	-0.329	NA	-0.088	-0.216	-0.022
A005927_01	NA		-0.052	-0.015	0.002	NA	0.192	-0.246	-0.321
A005993_01	NA		-0.947	-0.104	0.205	NA	-1.012	-0.18	-0.084
A006010_01	NA		-0.053	-0.079	0.23	NA	1.171	0.414	0.675
A006113_01	NA		0.172	0.017	-0.98	NA	0.165	0.146	0.025
A006404_01	NA		0.104	0.199	-0.051	NA	0.061	-0.086	0.059
A006526_01	NA		-1.675	-0.822	-0.891	NA	-1.419	-1.189	-0.941
A006614_01	NA		0.057	-0.241	0.11	NA	0.358	-0.112	-0.004
A006812_01	NA		-0.147	-0.537	-0.385	NA	0.127	0.067	0.062
A006983_01	NA		-0.189	-0.418	-0.378	NA	-0.134	-0.17	-0.181
A007065_01	NA		0.669	0.478	1.122	NA	-0.007	0.457	NA
A007160_01	NA		0.684	0.389	1.095	NA	0.008	0.499	0.377

A007253_01	NA	-1.443	-0.897	-1.049	NA	-0.761	-0.427	-0.47
A007301_01	NA	0.256	0.029	-0.077	NA	0.57	0.074	-0.102
A007345_01	NA	0.223	0.286	0.113	NA	0.044	0.173	-0.043
A007579_01	NA	0.337	0.262	0.475	NA	-0.066	0.46	0.5
A007731_01	NA	0.063	0.09	-0.082	NA	-0.072	-0.057	-0.086
A007737_01	NA	0.118	-0.067	0.326	NA	-0.221	-0.057	-0.005
A008444_01	NA	0.168	-0.081	0.499	NA	0.189	0.056	0.008
A008462_01	NA	-0.227	-0.165	-0.28	NA	-0.018	0.052	0.087
A009204_01	NA	0.408	0.512	0.252	NA	-0.123	0.365	0.211
A009242_01	NA	0.01	0.222	0.299	NA	0.24	0.13	0.129
A009243_01	NA	0.175	0.104	-0.167	NA	0.132	0.061	0.012
A009644_01	NA	-0.103	-0.221	-0.047	NA	-0.175	-0.27	NA
A009651_01	NA	-0.034	0.317	-0.076	NA	0.014	-0.167	0.104
A009685_01	NA	-0.799	-0.276	-0.196	NA	-0.335	0.195	0.025
A009717_01	NA	-1.31	-0.821	-0.706	NA	-0.59	0.279	0.179
A009718_01	NA	0.617	0.105	0.239	NA	-0.037	-0.126	-0.156
A009724_01	NA	-0.194	0.24	0.629	NA	0.112	-0.025	0.175
A010662_01	NA	-0.987	-0.425	-0.254	NA	-0.6	-0.267	NA
A011147_01	NA	-0.118	0.138	-0.049	NA	-0.237	0.049	0.114
A011464_01	NA	-0.397	-0.42	-0.29	NA	0.06	-0.149	-0.107
A011466_01	NA	0.576	0.412	-0.17	NA	0.224	0.05	-0.063
A011639_01	NA	0.324	0.023	-0.397	NA	0.292	0.03	0.046
A011648_01	NA	-0.057	-0.074	-0.041	NA	0.007	-0.007	-0.109
A011649_01	NA	0.178	-0.007	0.295	NA	0.086	-0.288	-0.425
A011737_01	NA	-0.089	0.18	-0.31	NA	0.099	0.555	0.388
A011739_01	NA	-0.284	-0.337	0.183	NA	-0.1	-0.29	-0.121
A011796_01	NA	-0.591	-0.171	0.137	NA	-0.095	-0.165	-0.204
A011824_01	NA	0.444	0.423	0.212	NA	-0.05	0.107	-0.046
A012405_01	NA	-0.128	-0.134	-0.128	NA	0.083	0.119	0.184
A012825_01	NA	0.358	0.082	0.002	NA	0.318	0.231	0.801
A012892_01	NA	-0.55	-0.427	0.445	NA	-0.132	-0.363	-0.362
A013060_01	NA	-0.23	-0.181	-0.322	NA	-0.021	0.14	0.026
A013531_01	NA	-0.12	0.771	0.503	NA	-0.253	0.576	NA
A013767_01	NA	-0.619	0.178	0.408	NA	-0.049	-0.205	-0.254
A013865_01	NA	-0.269	-0.212	0.004	NA	-0.039	0.044	0.008
A013881_01	NA	-0.065	0.272	0.432	NA	0.197	-0.17	0.116
A014044_01	NA	-0.423	-0.194	0.034	NA	-0.052	0.064	0.123
A014689_01	NA	0.359	0.335	0.318	NA	0.083	0.213	0.148
A014744_01	NA	-1.787	-1.179	-1.305	NA	-1.876	-0.59	-0.37
A014791_01	NA	0.549	-0.39	-0.345	NA	0.291	-0.303	-0.153
A014967_01	NA	1.148	0.646	0.171	NA	0.568	0.422	0.435
A015087_01	NA	0.023	-0.335	0.173	NA	NA	0.114	NA
A015212_01	NA	0.38	0.29	-0.04	NA	0.441	0.061	0.093
A015226_01	NA	-0.995	0.939	NA	NA	-0.813	0.364	-0.431
A015340_01	NA	0.334	0.08	-0.274	NA	0.168	0.023	-0.002
A015551_01	NA	-0.478	NA	0.259	NA	-0.36	NA	-0.448
A015561_01	NA	0.885	0.545	0.441	NA	0.386	0.362	0.408
A015575_01	NA	0.093	-0.224	-0.148	NA	0.297	-0.285	-0.413
A016276_01	NA	-0.127	0.196	0.211	NA	0.001	-0.138	-0.224
A016302_01	NA	0.336	0.609	0.31	NA	0.322	-0.11	-0.184
A016527_01	NA	-0.786	-0.715	-0.297	NA	-1.126	-0.653	-0.817
A017523_01	NA	0.043	0.305	0.207	NA	-0.102	0.356	0.438
A017547_01	NA	-1.421	-1.083	-1.746	NA	-1.093	-0.78	-0.67
A017927_01	NA	0.247	0.292	-0.177	NA	0.093	0.215	0.087
A017943_01	NA	0.145	-0.433	-0.256	NA	0.36	-0.187	0.016
A018485_01	NA	0.577	0.61	0.189	NA	0.353	0.349	0.196
A018705_01	NA	-0.256	-0.069	-0.484	NA	-0.177	0.037	-0.082
A018761_01	NA	0.003	-0.05	0.295	NA	0.033	-0.05	-0.129
A018765_01	NA	-0.196	-0.156	-0.228	NA	-0.256	-0.258	-0.259
A018790_01	NA	0.145	0.091	0.134	NA	-0.167	0.109	0.007
A018794_01	NA	0.004	-0.151	0.126	NA	-0.07	-0.015	-0.115
A018861_01	NA	-0.422	-0.013	-0.087	NA	-0.243	-0.018	-0.104
A018876_01	NA	0.552	0.707	0.892	NA	0.743	0.545	0.888
A019001_01	NA	0.366	0.053	0.133	NA	-0.117	-0.393	-0.356
A019031_01	NA	-1.124	-0.508	0.014	NA	-0.655	-0.348	-0.239
A019042_01	NA	-0.18	-0.146	0.124	NA	-0.17	-0.227	-0.265
A019054_01	NA	-0.066	-0.184	0.06	NA	-0.098	-0.062	-0.107
A019079_01	NA	-1.826	-1.272	-1.407	NA	-1.534	-0.556	-0.494

A019084_01	NA	-0.09	0.276	0.166	NA	-0.208	0.002	-0.245
A019125_01	NA	0.132	0.599	0.347	NA	-0.03	0.437	0.35
A019185_01	NA	-0.192	-0.17	0.203	NA	-0.141	-0.155	-0.184
A019226_01	NA	0.304	0.288	-0.152	NA	0.211	0.119	-0.11
A019232_01	NA	0.744	0.286	NA	NA	0.45	0.094	-0.055
A019280_01	NA	0.42	0.278	-0.15	NA	0.072	-0.193	0.192
A019462_01	NA	-0.144	0.041	NA	NA	0.145	0.277	NA
A019792_01	NA	-0.304	0.057	-0.453	NA	-0.108	-0.163	-0.126
A019986_01	NA	-0.51	0.221	0.025	NA	-0.221	0.137	0.159
A019992_01	NA	-0.041	0.008	0.164	NA	-0.131	-0.138	-0.019
A019996_01	NA	0.185	0.167	0.081	NA	0.256	-0.184	-0.179
A020426_01	NA	-0.531	0.058	0.268	NA	-0.363	-0.071	-0.155
A020775_01	NA	0.125	0.133	-0.139	NA	0.282	0.283	0.082
A020779_01	NA	-1.248	0.095	0.612	NA	0.449	0.663	0.529
A021737_01	NA	0.035	NA	0.312	NA	0.044	NA	-0.118
A022056_01	NA	-0.145	0.206	0.011	NA	-0.001	0.141	-0.091
A022274_01	NA	0.178	-0.125	0.02	NA	NA	-0.031	-0.102
A023555_01	NA	0.137	0.294	NA	NA	-0.051	0.122	-0.168
A024044_01	NA	0.086	0.02	-0.179	NA	-0.06	-0.076	-0.034
A024170_01	NA	-0.263	NA	0.219	NA	0.265	0.492	0.282
A024467_01	NA	-0.951	0.01	-0.167	NA	-0.589	-0.242	-0.017
A024543_01	NA	-0.379	-1.25	-0.613	NA	0.161	-0.223	-0.227
A024776_01	NA	-0.157	0.176	0.101	NA	-0.086	0.142	0.029
A025167_01	NA	0.313	-0.198	-0.901	NA	0.355	-0.176	-0.097
A025902_01	NA	0.057	0.01	-0.252	NA	0.129	0.271	0.176
A026000_01	NA	-0.112	-0.799	-1.153	NA	-0.052	-0.521	-0.524
A026032_01	NA	-0.272	-0.379	-0.227	NA	0.18	0.047	0.048
A000572_01	NA	0.385	0.072	-0.356	NA	0.562	0.024	0.339
A004818_01	NA	0.297	-0.039	-0.095	NA	0.222	0.104	0.182
A005988_01	NA	0.437	-0.613	-0.891	NA	0.518	-0.517	-0.311
A006161_01	NA	-0.172	-0.185	-0.356	NA	0.38	0.28	0.159
A007292_01	NA	0.202	0.29	0.344	NA	-0.094	0.554	0.371
A007713_01	NA	0.754	0.216	0.338	NA	-0.078	-0.052	0.093
A009463_01	NA	-0.383	-0.328	-0.233	NA	-0.022	-0.168	-0.129
A011646_01	NA	0.181	-0.251	-0.18	NA	0.23	0.037	0.031
A012457_01	NA	NA	0.258	0.407	NA	-0.164	0.548	0.21
A012674_01	NA	-1.657	-1.375	-1.662	NA	-0.637	-1.024	-0.688
A016524_01	NA	0.782	0.33	-0.644	NA	0.531	0.196	NA
A017134_01	NA	0.119	-0.167	-0.522	NA	0.233	0.008	-0.155
A018784_01	NA	-0.291	-0.261	-0.124	NA	-0.081	0.591	0.312
A019101_01	NA	0.171	0.079	0.14	NA	0.561	0.227	0.184
A020277_01	NA	0.378	-0.178	-0.436	NA	0.435	-0.064	0.011
A024469_01	NA	0.577	0.726	0.666	NA	0.891	0.772	0.694
A024824_01	NA	-0.165	0.098	0.026	NA	NA	0.039	-0.225
A005098_01	NA	NA	NA	0.202	NA	NA	-0.29	0.018

Oligo ID	6-7 DPA A	6-7 DPA A dye swap	6-7 DPA B	6-7 DPA B dye swap	8-9 DPA A	8-9 DPA A dye swap	8-9 DPA B	8-9 DPA B dye swap
A000001_01	0.146	0.118	-0.393	-0.162	-0.37	-0.297	-0.386	-0.387
A000002_01	0.064	0.389	-0.025	0.301	-0.105	0.064 NA		0.268
A000003_01	-0.164	0.056	-0.522	-0.19	-0.208	0.112	-0.003	0.436
A000004_01	0.264	0.219	-0.134	-0.069	-0.072	0.003	0.032	0.145
A000006_01	-0.156	0.375	0.228	0.266 NA		-1.126	-0.156	0.012
A000012_01	-0.07	0.042	-0.085	-0.155	-0.006	-0.074	-0.114	0.172
A000013_01	-0.057 NA		-0.144	0.208 NA		-0.049 NA		0.347
A000016_01	-0.126	0.012	0.143	0.146	-0.389	-0.347	-0.082	0.216
A000017_01	0.039	0.17	0.063	0.069	-0.052	-0.044	0.06	0.141
A000020_01	-0.266	-0.043	-0.308	0.007	-0.028	0.102	-0.215	0.077
A000021_01	-0.113	0.053	-0.17	-0.097	-0.122	-0.073	0.126	0.128
A000022_01	-0.072	0.147	-0.19	0.17	0.08	0.432	-0.227	0.095
A000025_01	0.126	0.132	-0.065	0.143	-0.21	-0.216	0.057	0.097
A000026_01	-0.172 NA		-0.103	0.212	-0.365	-0.238	-0.002	0.168
A000027_01	0.162	0.264	0.279	0.562	-0.117	0.163 NA		NA
A000029_01	-0.667	-0.614	-0.042	0.307	-0.106	-0.047 NA		NA
A000031_01	-1.347	-0.994	0.664	0.873	-0.344	-0.295	-0.756	-0.688
A000038_01	-0.231	0.038	0.067	-0.101	0.272	0.376	0.041	0.357
A000040_01	-0.364	-0.207	-0.146	-0.02	-0.056	0.025	-0.076	0.208
A000041_01	0.234	0.244	0.119	0.359	0.111	0.33	0.137	0.028
A000042_01	-0.657 NA		-0.451	-0.127 NA		0.102 NA		0.42
A000046_01	-0.206	0.368	0.079	0.313	-0.186	0.046	-0.354	0.245
A000047_01	-0.119	0.214	-0.553 NA		0.066	0.373 NA		NA
A000051_01	-0.45 NA			0.274	-0.038	0.267 NA		NA
A000052_01	-0.17 NA		-0.236	0.289	-0.297	0.125 NA		NA
A000055_01	0.048 NA		-0.343	0.078 NA			0.255	0.583
A000056_01	0.122	-0.026	-0.215	-0.012	0.072	0.277	0.143	0.37
A000058_01	-0.174 NA		-0.059	0.178 NA		0.108	-0.151	0.105
A000061_01	0.574	0.755	-1.168	-0.654	-0.152	-0.207	0.272	0.304
A000063_01	-0.163 NA		-0.293	-0.134	0.448	0.688	0.403	0.479
A000064_01	-0.754	-0.316	0.123	0.217	-0.182	-0.118 NA		NA
A000065_01	-0.04	0.06	-0.119	0.002	0.071	0.368	-0.127	0.24
A000067_01	-0.651 NA				0.332	0.88 NA		NA
A000069_01	-0.364	-0.138 NA			-0.081	0.178 NA		NA
A000073_01	-0.247	0.142	-0.032	0.25	-0.559	-0.532	-0.319	0.052
A000074_01	-0.136	0.131	-0.136	0.005	0.37	0.774	0.206	0.363
A000077_01	-0.061	0.033	-0.104	0.117	-0.496	-0.282 NA		NA
A000080_01	-0.105	-0.064	-0.285	0.349	-0.307	-0.081 NA		0.164
A000084_01	-0.229	0.108	-0.422 NA		0.089	0.381 NA		0.464
A000088_01	-0.144	-0.119	-0.222	0.227	-0.209	-0.121	-0.261	0.044
A000091_01	0.211	0.046	0.158	0.219	0.049	-0.048	-0.068	-0.056
A000095_01	-0.294	-0.062 NA		0.198	0.153	0.419 NA		0.82
A000098_01	0.026	0.439	0.144	0.106	-0.16	-0.018	0.241	0.457
A000107_01	-0.47	-0.251	0.367	0.495	0.96	1.252	0.129	0.549
A000111_01	-0.184	0.135	-0.057	0.21	0.111	0.228	-0.029	0.271
A000113_01	-0.35	-0.024	-0.351	-0.252	-0.161	-0.012	-0.329	0.137
A000115_01	0.173	-0.068	0.117	0.12	0.312	0.233	0.28	0.112
A000120_01	-0.095	0.369	-0.868 NA		-0.192	-0.04 NA		NA
A000123_01	-0.861 NA		0.117	0.374 NA		-0.465 NA		NA
A000124_01	0.061	0.576	0.258	0.128	0.483	0.601	-0.031	0.381
A000134_01	-1.224	-1.054	0.268	0.441	-0.145	0.188	-1.119	-0.849
A000138_01	-0.026	0.062	0.01	0.193	-0.246	-0.24	0.054	0.158
A000146_01	-0.305	-0.096	-0.276	0.026	-1.11	-1.121 NA		NA
A000150_01	-0.488	-0.429	-0.251	-0.028	-0.003	0.17	0.073	0.264
A000157_01	-1.059 NA		-0.208	0.045 NA		-0.857	-0.27	0.072
A000169_01	-0.263 NA		-0.057	0.041	0.093	0.311	-0.304	0.143
A000173_01	0.058	0.136	-0.081	0.21	0.613	0.899	-0.039	0.164
A000179_01	-0.123 NA		-0.295	-0.121	-0.364	-0.075 NA		0.352

A000185_01	-0.094	0.334	-0.705	0.138	0.263	0.574 NA		0.5
A000187_01	-0.277 NA		-0.043 NA		0.739 NA	NA		1.079
A000198_01	-0.374 NA		-0.351 NA		-0.081	0.136 NA		0.384
A000202_01	0.439 NA		0.228	0.241	0.372	0.42	0.156	0.132
A000220_01	0.292	0.233	-0.152	-0.334	0.175	0.362	-0.244	0.081
A000223_01	0.054	0.421	-0.21	-0.099	-0.285	-0.243	0.184	0.334
A000226_01	-0.916	-0.875	-0.42	-0.064	0.163	0.486 NA		0.248
A000233_01	-0.741 NA		0.092 NA		-0.19	0.025 NA	NA	
A000239_01	-0.031 NA		-0.091	-0.051 NA		0.206 NA		0.097
A000248_01	0.103	0.041	-0.179	-0.497	0.208	0.313 NA	NA	
A000253_01	0.08	0.113	0.306	0.123	-0.127	-0.334	-0.374	-0.451
A000259_01	-0.232	-0.278	-0.318	-0.228	-0.533	-0.475	-0.445	-0.269
A000260_01	-0.36	-0.174	0.048	0.234	0.196	0.495	0.383	0.199
A000261_01	-0.497	0.14	-0.089	-0.057	-0.106	0.132	-0.026	0.219
A000263_01	0.016	0.334	-0.19	-0.05	0.071	0.105 NA		0.417
A000268_01	-0.109	-0.26	-0.11	-0.015	-0.269	-0.144	-0.166	-0.134
A000269_01	-0.131	0.248	0.126	0.177	0.095	0.195	0.035	0.174
A000270_01	0.058 NA		-0.388	0.103	0.131	0.448 NA		0.29
A000297_01	-0.141 NA		0.07	0.25	0.312	0.656 NA		0.427
A000301_01	-0.234	0.194	-0.017	0.255	0.557	0.91	0.173	0.565
A000302_01	-0.377 NA		-0.445 NA	NA		-0.265 NA	NA	
A000303_01	0.035	0.382	-0.005	0.118	-0.127	-0.046	-0.208	0.079
A000305_01	-0.385	-0.145	-0.449	-0.079	-0.123	0.031	0.192	0.252
A000319_01	-0.315	-0.058	-0.023	0.076	-0.675	-0.868	-0.18	-0.088
A000321_01	-0.157 NA	NA	NA	NA		0.216 NA	NA	
A000322_01	0.134	0.266	-0.118	0.009	0.062	0.05	-0.297	0.007
A000324_01	-0.626 NA		0.071	0.449 NA		-0.356 NA	NA	
A000325_01	-0.231 NA		-0.58	-0.281	0.88	1.257	0.12	0.459
A000326_01	-0.199	0.079	-0.172	0.264	-0.037	0.125	-0.131	0.221
A000329_01	-0.518	-0.362	-0.582	-0.264	-0.718	-0.624 NA		-0.291
A000336_01	0.234	0.106	-0.418	-0.145	-0.103	-0.188	0.14	0.281
A000337_01	0.047	0.448	-0.379	0.016	-0.399	-0.24	-0.145	0.444
A000340_01	-0.374	0.323	-0.213	-0.084	0.135	0.29 NA		0.446
A000348_01	-1.002	-0.667	-1.043	-0.376	-1.122	-0.73 NA		-0.278
A000351_01	-0.162	-0.014	-0.259	-0.229	0.026	0.122	-0.135	-0.008
A000352_01	-0.231	-0.066	0.011 NA		-1.177	-1.119 NA	NA	
A000353_01	0.354	0.305	-0.1	0.066	-0.136	-0.174	0.006	0.029
A000355_01	-0.054	0.174	-0.586 NA	NA		-0.042 NA	NA	
A000358_01	0.061	0.046	-0.298	-0.009	-0.716	-0.618	-0.592	-0.057
A000364_01	-0.124 NA		-0.088	0.176 NA		0.161	0.075	0.243
A000365_01	-0.002 NA	NA	NA	NA	NA	NA		0.547
A000368_01	0.175	0.122	0.116	0.282	0.014	-0.009 NA	NA	
A000371_01	-0.176	-0.091	-0.035	0.122	-0.221	-0.225	0.096	0.045
A000373_01	-0.262	-0.097	-0.173	0.249	-0.24	-0.029 NA		0.248
A000377_01	0.021 NA		-0.37 NA		0.244	0.498 NA		-0.158
A000382_01	-0.267 NA		-1.659	-0.956 NA		-1.38	-0.676	-0.291
A000384_01	-0.251 NA		-0.382	-0.003 NA		0.104 NA	NA	
A000389_01	-0.713	-0.525	0.471	0.798	1.315	1.993	0.664	0.934
A000396_01	-0.023	0.398	-0.399	-0.08	-0.096	0.168	-0.352	0.091
A000402_01	-0.558 NA		-0.331 NA		-0.071	0.626 NA	NA	
A000406_01	-0.71	-0.526	-0.079	0.078	-0.466	-0.194	-0.334	-0.038
A000410_01	0.179	0.324	-0.146	-0.191	0.511	0.82	0.068	0.275
A000412_01	-0.08	0.177	-0.25	0.227	0.082	0.299 NA		0.204
A000419_01	-0.14	0.004	-0.229	0.031	0.181	0.332 NA	NA	
A000420_01	0.092	0.182 NA	NA		0.252	0.482 NA	NA	
A000423_01	-0.106	0.542	-0.352 NA		0.277	0.808 NA		0.576
A000426_01	-0.219	0.15	-0.157	0.044	-0.065	0.003	-0.232	0.262
A000454_01	-0.187	-0.034	0.041	0.135	0.359	0.587	0.212	0.275
A000455_01	-0.524 NA	NA		0.268 NA	NA	NA		0.307
A000462_01	-0.361 NA		-0.109	0.336 NA		0.057	0.09	0.243
A000471_01	-0.385 NA		-0.374 NA		-0.385	-0.031 NA		0.223
A000473_01	-0.037	-0.073	-0.488	-0.26	-0.635	-0.643	-0.322	-0.218
A000478_01	-0.091 NA		0.039	0.149	-0.234	-0.084	-0.138	0.229
A000479_01	-0.108	0.187	-0.229	-0.194	0.291	0.389 NA		0.241
A000489_01	0.073	0.008	-0.659	-0.348	0.109	0.185	0.198	0.181
A000500_01	-0.517 NA		-0.323	-0.007	0.342	0.711 NA		0.491
A000511_01	-0.147	0.121	0.012	0.416	-0.409	-0.155	-0.408	-0.083
A000517_01	0.044	0.234	-0.249	0.233	-0.062	0.04 NA		-0.029

A000519_01		-0.11	0.035	0.053	-0.205	-0.115	-0.176	0.039	0.015
A000523_01		-0.155	0.046	-0.065	-0.057	0.19	0.276	-0.222	0.099
A000525_01		-0.116	0.246	-0.249	0.036	0.114	0.237 NA	NA	
A000526_01		-0.287	0.17	-0.425	-0.272	0.18	0.501	0.052	0.538
A000533_01		-0.247	-0.12	-0.155	-0.229	-0.001	-0.079	-0.203	-0.01
A000534_01		-0.268	0.03	-0.114	-0.06	0.337	0.533	-0.017	0.247
A000543_01		0.038	0.104	-0.397	-0.382	0.183	0.116	0.329	0.438
A000548_01		-0.148	0.147	-0.351	-0.328	0.285	0.349	-0.534	-0.303
A000553_01		-0.651	-0.252	-0.124	0.248	-0.636	-0.544	-0.395	-0.149
A000555_01		0.327	0.734	0.556	0.641	-0.031	0.41	0.032	0.245
A000559_01		-0.138 NA		-0.336	0.073	-0.15	0.059 NA		0.32
A000567_01		0.197	0.216	-0.224	-0.107	0.18	0.13	0.082	-0.04
A000568_01		-0.981	-0.742	0.146	0.081	-0.911	-0.754	-0.358	-0.068
A000577_01		0.247	0.19	0.214	0.171	0.701	0.904	0.261	0.352
A000579_01		-0.664	-0.491	0.675	0.989	1.233	1.767	0.58	0.754
A000582_01		-0.054	0.063	-0.173	-0.131	0.675	0.907	0.276	0.412
A000589_01		-0.072 NA		-0.239	0.027	-0.151	-0.147 NA		0.174
A000590_01		-0.414 NA		-0.01	0.219	-0.342	0.068 NA		0.382
A000592_01		-0.297	-0.131	-0.486	-0.03	0.478	0.832 NA		-0.037
A000600_01		0.118	0.259	0.376	0.514	0.214	0.456	-0.697	-0.397
A000608_01		0.137	0.075	-0.124	0.027	0.042	0.273	0.021	0.219
A000610_01	NA		NA	0.076	0.261 NA		-0.286	0.095	0.108
A000612_01		0.518	0.503	-0.165	0.01	0.31	0.375	-0.064	0.021
A000613_01		-0.04 NA		-0.529 NA		0.143	0.501 NA		0.176
A000618_01		-0.229 NA		0.004	0.204 NA		0.378	-0.056	-0.017
A000619_01		-0.585	-0.468	-0.904	-0.745	0.986	1.613	0.473	0.863
A000622_01	NA		0.002	-0.108	-0.096	-0.036	0.082	0.195	0.26
A000629_01		0.021	-0.099	-0.063	0.032	-0.046	-0.048	-0.042	0.059
A000633_01		0.048	-0.022	-0.331	-0.319	-0.126	-0.168	0.143	0.127
A000637_01		-0.023 NA		-0.142 NA		0.078	0.146 NA		0.222
A000638_01		-0.519 NA		-0.075	0.123	-0.632	-0.162	-0.151	-0.042
A000639_01		0.514	0.398	-0.004	0.35	0.165	0.285	-0.014	-0.046
A000643_01		-0.038	-0.044	-0.188	0.001	0.076	0.016	0.023	0.089
A000645_01		-0.227	-0.017	-0.084	-0.207	-0.391	-0.443	-0.326	-0.17
A000649_01		-0.063	0.179	0.067	0.134	0.152	0.366	-0.035	-0.016
A000650_01		-0.05	0.061	-0.048	-0.129	0.209	0.46	0.033	0.18
A000652_01		0.46	0.404	0.697	0.73	0.531	0.492	0.556	0.444
A000653_01		0.263	0.589	-0.247	-0.22	0.286	0.499	0.247	0.438
A000657_01		-0.182	-0.158	-0.167	-0.005	-0.303	-0.004	-0.044	0.17
A000665_01		-0.058	0.305	0.049	0.009	0.032	0.365	0.192	0.349
A000668_01		-0.023	0.292	-0.277	0.039	0.179	0.475 NA		0.128
A000677_01		-0.167 NA		-0.148 NA	NA		-0.387 NA	NA	
A000684_01		0.183 NA		-0.411 NA		0.185	0.646 NA	NA	
A000685_01		-0.087 NA		-0.019	0.091	-0.05	0.337	-0.106	0.137
A000687_01		-0.124 NA		-0.217 NA	NA		0.072 NA	NA	
A000692_01		0.342	0.328	0.207	0.41	0.097	0.012	-0.144	-0.044
A000696_01		-0.309	-0.033	0.016	0.098	0.415	0.72	-0.006	0.262
A000697_01		-0.456 NA	NA		0.25	-0.403	-0.454 NA		0.114
A000700_01		0.203	0.233	-0.185	0.314	-0.015	0.32	0.008	0.111
A000701_01		0.367	0.229	-0.173	0.319	-0.105	-0.055	0.073	-0.005
A000710_01		-0.044	0.203	-0.401	-0.295	-0.016	0.394	-0.21	0.252
A000711_01		-0.17 NA		-0.452	-0.289	-0.202	0.091	0.259	0.444
A000722_01		0.25	0.454	-0.066	0.05	0.29	0.352	0.053	0.383
A000727_01		-0.354	-0.192	-0.06	0.031	0.048	0.263	0.026	0.25
A000731_01	NA		NA	-0.171	0.155	0.195	0.551	0.106	0.163
A000742_01		-0.569	-0.189	-0.069	0.008	-0.542	-0.584	-0.112	-0.024
A000755_01		0.237	0.263	-0.17	-0.061	0.08	0.126	-0.052	0.049
A000757_01		-0.243 NA		-0.1 NA		0.11	0.301 NA		0.329
A000759_01		0.104	0.514	0.073	0.402 NA		-0.09	-0.196	0.025
A000764_01		-0.375	-0.052	0.64	0.472	-0.021	0.233	-0.425	0.059
A000770_01		0.207	0.428	0.093	0.024	-0.155	-0.153	-0.062	0.119
A000775_01		-0.228	-0.134	-0.335 NA		0.028	-0.011 NA		0.227
A000781_01		-0.039	-0.045	-0.268	0.032	0.332	0.579	-0.039	0.256
A000782_01		0.119	0.238	-0.721 NA		-0.39	-0.287 NA	NA	
A000794_01		0.052	0.194	-0.113	0.572	-0.423	-0.191 NA	NA	
A000795_01		0.378	0.594	0.748	0.451	0.484	0.483	-0.373	-0.084
A000801_01		0.024	0.019	-0.109	-0.054	-0.21	-0.283	-0.097	-0.133
A000802_01		-0.373 NA		-0.188	-0.099	-0.108	0.129 NA		0.51

A000803_01	0.11	0.267	-0.313	-0.106	0.221	0.4	-0.153	0.05
A000807_01	-0.239	-0.129	-0.134	0.002 NA		0.012 NA	NA	
A000808_01	0.311	0.504	-0.315	0.135	0.043	0.047 NA		0.511
A000814_01	0.384	0.691	0.084	0.084	0.269	0.274	-0.151	0.098
A000827_01	-0.201	-0.295	-0.896	-0.644	-0.348	-0.146	-0.021	-0.08
A000828_01	0.429	0.409	-0.231	0.036	0.21	0.251	0.259	0.318
A000835_01	-0.017	0.116	-0.16 NA		-0.256	-0.02	-0.02	0.351
A000842_01	-0.054	0.417	0.113	0.398 NA		0.021	0	0.298
A000851_01	-0.876 NA		-0.273	0.028	-1.043	-0.92 NA		0.333
A000853_01	0.402	0.249	-0.461 NA		-0.125	-0.012	0.148	0.147
A000856_01	-0.058	-0.077 NA		-0.265	-0.457	-0.275	0.239	0.188
A000875_01	-0.005 NA		-0.251	0.07	0.093	0.134 NA		0.08
A000880_01	-0.276	0.031	-0.408 NA		0.494	0.876 NA	NA	
A000888_01	0.124	0.246	-0.216	-0.145	0.065	0.35	0.195	0.501
A000897_01	-0.265 NA		-0.004	0.289 NA	NA	NA		0.392
A000903_01	0.152 NA		-0.084	0.115	0.524	0.693 NA	NA	
A000910_01	0.048 NA		-0.099	0.252	0.289	0.518 NA		0.628
A000919_01	0.004 NA		-0.08	-0.05	0.045	0.105	-0.045	0.321
A000922_01	-0.313 NA		-0.137	0.021	-0.366	-0.165 NA		0.401
A000936_01	-0.121	0.057	-0.216	-0.206	0.183	0.313	0.272	0.398
A000937_01	0.401	0.297	0.203	0.036	0.284	0.262	-0.088	0.076
A000941_01	-0.041 NA		-0.26	0.007 NA		0.28	0.19	0.114
A000945_01	-0.336 NA		0.179	0.471 NA	NA	NA		0.124
A000953_01	-0.301	-0.154	-0.018	-0.098	-0.168	0.015	-0.088	0.128
A000960_01	0.094 NA		-0.113	0.156	-0.272	-0.343 NA	NA	
A000962_01	0.059	0.082	0.29	0.266	-0.09	-0.152	-0.115	-0.104
A000970_01	-0.24	-0.153	-0.229	-0.044	-0.169	0.023	-0.232	-0.195
A000974_01	-0.43 NA		0.089	0.357	0.083	0.452	-0.101	0.173
A000984_01	-0.061	0.003	-0.017	-0.107	0.111	0.177	-0.057	0.288
A000987_01	0.005	-0.122	-0.228 NA		-0.053	-0.086 NA	NA	
A000988_01	0.105	0.256	0.272	0.314	0.486	0.553	-0.128	0.063
A000992_01	-0.277	-0.113	-0.557	-0.108	-0.689	-0.792 NA		-0.143
A000997_01	0.149	0.147	0.089	0.272	0.093	0.106	-0.009	-0.012
A001006_01	-0.437 NA		-0.428	0.218	-0.497	-0.337 NA	NA	
A001007_01	-0.008	0.298	0.006	0.26	0.13	0.339 NA	NA	
A001011_01	-0.236	0.152	-0.422 NA		0.334	0.702 NA		0.474
A001012_01	-0.514	-0.457	-0.389	-0.01	-0.236	-0.241	-0.415	-0.519
A001017_01	-0.402	0.109	-0.204	-0.05	-0.684	-0.575	0.037	0.031
A001019_01	0.029	-0.163	-0.394	-0.396	-0.16	-0.007	0.149	0.24
A001023_01	-0.174 NA	NA	NA		0.362	0.898 NA		0.545
A001029_01	-0.072 NA		0.073	0.337 NA		0.178	0.093	0.332
A001031_01	-0.154	0.108	-0.222	0.085	0.016	0.257 NA		0.401
A001032_01	-0.273	-0.214	-0.055	0	0.12	0.136	0.074	0.108
A001034_01	-0.018	0.078	0.124	0.2	-0.195	-0.313	-0.023	-0.029
A001035_01	-0.084	0.093	-0.023	-0.08	0.144	0.299	0.056	0.184
A001036_01	0.284	0.23	-0.982	-0.437	0.129	0.039	0.413	0.472
A001041_01	-0.006	0.29	-0.146	-0.059	-0.033	0.005	-0.055	0.037
A001042_01	-0.352 NA		-0.052 NA	NA		0.441 NA		0.419
A001043_01	-0.081	0.179	0.07	0.12	-0.342	-0.401	-0.011	0.277
A001044_01	0.612	0.689	-0.431 NA		-0.858	-0.908 NA	NA	
A001045_01	NA	0.216	-0.307	-0.155	-0.105	0.091	0.148	0.247
A001048_01	0.039	0.226	-0.221	-0.131	0.028	-0.032	-0.002	0.096
A001052_01	0.029	-0.076	-0.094	0.08	-0.723	-0.779	-0.352	-0.339
A001053_01	-0.04 NA		-0.227	0.104	-0.222	-0.019 NA		0.074
A001056_01	-0.312	-0.059	-0.546	-0.656	-0.163	-0.071	-0.041	0.381
A001059_01	-0.049 NA		0.402	0.513	-0.143	0.045	-0.976	-0.427
A001071_01	0.073 NA		-0.322	0.176 NA		0.205 NA		0.439
A001077_01	-0.18 NA		0.084	0.198 NA		-0.796 NA		0.298
A001082_01	0.133	0.41	-0.141	0.139	0.082	0.108	-0.012	0.188
A001086_01	0.123	0.022	-0.093	0.04	0.589	0.626	0.163	0.11
A001087_01	0.39	0.683	0.101	0.116	0.253	0.386	0.051	0.284
A001088_01	-0.257 NA		-0.05	0.136	-0.282	-0.018	-0.232	-0.029
A001089_01	0.352 NA		-0.063	0.226 NA		0.401 NA		0.326
A001090_01	-0.062	0.124	0.106	0.227	0.01	-0.072	-0.033	0.077
A001091_01	0.005	0.06	0.164	0.062	0.283	0.187	0.169	0.12
A001092_01	0.137	0.559	0.22	0.226	0.097	0.071	-0.094	0.016
A001093_01	0.603	0.462	-0.369	-0.112	0.152	0.199	-0.675	-0.364
A001095_01	0.501	0.44	-0.313	-0.1	0.078	-0.088	-0.268	-0.341

A001098_01	-0.575	-0.537	-0.504	-0.211	-0.491	-0.619	-0.694	NA	
A001099_01	-1.387	-1.135	0.868	1.201	1.178	1.881	NA		0.413
A001100_01	0.081	0.328	0.043	0.105	0.007	0.161	-0.148		0.411
A001102_01	-0.516	-0.211	0.072	-0.06	-0.273	-0.152	-0.349		0.005
A001103_01	-0.326	-0.231	0.013	0.122	0.497	0.792	NA		-1.078
A001105_01	0.01	NA	0.414	0.495	-0.109	-0.104	-0.373		-0.148
A001106_01	0.1	NA	-0.144	-0.02	NA	-0.153	0.155		-0.057
A001107_01	0.422	0.513	-0.003	0.306	0.282	0.281	-0.309		0.026
A001113_01	-0.296	-0.26	-0.335	0.045	-0.135	0.152	0.041		0.123
A001115_01	-1.332	-1.272	0.785	0.543	1.098	1.597	0.41		0.471
A001121_01	0.134	0.153	-0.14	-0.014	-0.042	-0.012	-0.06		0.012
A001122_01	-0.231	-0.011	-0.124	0.185	-0.167	-0.005	NA		NA
A001126_01	0.168	NA	-0.252	0.274	-0.31	-0.171	NA		0.162
A001127_01	-0.035	0.014	-0.145	-0.035	-0.217	-0.302	-0.02		0.124
A001128_01	-0.254	-0.069	0.002	-0.082	0.079	0.029	0.126		0.429
A001129_01	-0.347	-0.576	-0.956	-0.655	0.165	0.449	-0.534		-0.464
A001131_01	-0.222	-0.052	-0.534	-0.286	0.084	0.409	-0.1		0.267
A001134_01	-0.008	0.198	-0.536	-0.361	-0.034	-0.017	NA		NA
A001135_01	-0.314	-0.113	-0.343	0.085	-2.243	-2.055	-0.714		-0.476
A001136_01	0.106	0.435	-0.209	0.069	-0.404	-0.192	-0.111		0.219
A001137_01	-0.09	NA	-0.501	NA	NA	NA	NA		NA
A001138_01	-0.279	-0.258	-0.086	0.08	-0.386	-0.259	-0.052		-0.014
A001140_01	-0.296	0.044	-0.155	0.058	-0.165	0.067	-0.008		0.233
A001141_01	-0.223	0.315	0.318	0.424	-1.048	-1.019	-0.374		0.035
A001142_01	0.273	0.339	-0.16	-0.004	0.363	0.347	0.194		0.099
A001144_01	-3.816	-2.146	-3.25	-2.726	-4.611	-5.245	-2.791		-3.027
A001146_01	0.076	0.189	0.018	0.19	-0.773	-0.952	-0.156		-0.078
A001147_01	0.235	0.199	-0.159	0.048	0.124	0.214	0.361		0.319
A001153_01	-0.034	0.255	0.138	0.225	0.16	0.243	-0.132		0.022
A001154_01	0.025	0.109	-0.415	-0.112	-0.038	0.09	0.121		0.124
A001155_01	-0.418	-0.312	-1.064	-0.944	-0.248	-0.282	-0.974		-0.894
A001159_01	-0.614	-0.197	-0.201	0.072	0.431	0.637	NA		0.316
A001163_01	0.196	0.563	-0.385	-0.294	0.002	-0.012	0.043		0.337
A001165_01	-0.386	-0.116	-0.663	-0.278	-0.8	-0.756	-0.796		-0.145
A001166_01	-0.38	-0.244	-0.001	0.194	-0.546	-0.463	NA		0.311
A001169_01	-0.19	-0.01	0.042	0.357	-0.384	-0.372	-0.015		NA
A001180_01	0.214	0.45	0.068	-0.087	0.438	0.435	0.082		0.307
A001181_01	-0.13	-0.227	-0.338	-0.024	-0.035	0.127	NA		NA
A001184_01	-0.095	-0.001	-0.016	0.142	0.062	0.135	0.137		0.179
A001186_01	-0.253	-0.137	0.079	0.218	-0.052	0.134	-0.129		0.157
A001187_01	NA	0.458	0.178	0.277	NA	-0.194	-0.203		0.238
A001188_01	0.012	-0.037	-0.105	0.039	0.679	0.867	0.085		-0.022
A001189_01	0.101	0.304	0.26	0.281	-0.025	-0.006	-0.416		-0.218
A001190_01	-0.024	-0.005	-0.217	0.019	-0.351	-0.131	-0.034		0.35
A001197_01	0.258	0.564	0.013	0.29	NA	0.058	-0.225		0.099
A001199_01	0.007	0.131	0.135	0.203	0.379	0.443	-0.151		-0.022
A001207_01	-0.211	-0.008	0.084	0.353	0.221	0.326	0.116		0.251
A001209_01	0.264	0.527	0.257	0.359	0.044	-0.021	-0.382		-0.337
A001210_01	0.095	0.28	-0.084	0.082	-0.293	-0.167	NA		NA
A001211_01	-0.011	0.077	-0.148	-0.033	-0.303	-0.147	0.1		0.36
A001212_01	0.263	0.473	-0.181	0.151	-0.232	-0.26	-0.047		0.093
A001215_01	0.219	0.391	0.522	0.542	-0.249	-0.391	-0.636		-0.606
A001216_01	-0.508	-0.317	-0.274	-0.259	-0.165	0.226	-0.014		0.142
A001217_01	-0.419	0.005	-0.071	-0.12	0.505	0.684	-0.266		0.046
A001218_01	0.013	NA	-0.129	-0.073	0.339	0.496	0.06		0.279
A001219_01	NA	NA	-0.196	0.262	0.318	0.444	NA		0.457
A001222_01	-0.258	-0.102	0.034	0.029	0.549	0.718	NA		0.21
A001223_01	-0.199	0.263	-0.19	0.002	-0.445	-0.43	-0.136		0.166
A001227_01	0.26	0.542	0.183	0.453	0.126	0.326	-0.229		-0.031
A001229_01	-0.513	-0.495	-0.322	-0.21	NA	-0.778	0.064		-0.025
A001230_01	-0.041	NA	-0.569	-0.06	-0.099	-0.085	NA		0.498
A001231_01	-0.622	-0.227	-0.134	0.175	-0.792	-0.616	-0.163		0.124
A001232_01	NA	NA	-0.282	0.345	NA	0.369	NA		0.087
A001234_01	-0.104	0.043	-0.201	0.006	0.359	0.521	0.276		0.462
A001235_01	0.217	0.237	0.31	0.466	-0.495	-0.626	-0.254		-0.081
A001237_01	0.131	0.13	-0.329	-0.04	0.317	0.482	-0.093		0.059
A001240_01	0.241	0.585	-0.525	-0.248	0.014	0.064	0.006		0.438
A001241_01	-0.141	NA	0.182	0.35	-0.897	-0.85	NA		NA

A001242_01		-4.723	-2.683	-2.409	-2.083	-4.703	-5.137	-3.961	-3.81
A001244_01		0.401	0.405	-0.053	0.1	0.193	0.193	-0.122	0.046
A001245_01		-0.085 NA		0.325	0.367	0.304	0.431	0.038	0.257
A001246_01		0.161	0.038	-0.324	-0.194	-0.153	-0.159	-0.234	0.027
A001247_01		0.109	0.352	-0.17	-0.114	-0.515	-0.609 NA		-0.224
A001248_01		-0.117	-0.256	0.677	0.414	1.103	1.253	0.31	0.163
A001250_01		-0.052	0.16	-0.457	-0.375	-0.275	-0.187	-0.041	0.463
A001251_01		-0.276	-0.14	-0.115	-0.153	0.046	0.251	0.027	0.175
A001254_01		0.07	0.247	-0.436	-0.022	-0.353	-0.255	-0.118	0.089
A001255_01		-0.297 NA		-0.403 NA		-0.166	-0.025 NA		0.505
A001257_01		-0.205 NA	NA		0.038	0.084	0.26 NA	NA	
A001260_01		-0.293 NA		-0.031	0.053 NA	NA		-0.158	0.141
A001261_01		-0.169	-0.17 NA		-0.66	0.304	0.511	-0.549	-0.663
A001263_01		-0.8	-0.506	-0.478	-0.335	0.101	0.36 NA	NA	
A001273_01		-0.136	-0.063	-0.183	0.014	0.022	0.211	-0.072	0.076
A001281_01		0.155	0.144	-0.239	-0.381	-0.178	-0.148	0.374	0.436
A001283_01		0.057	0.042	-0.053	0.039	0.196	0.27	-0.085	-0.079
A001284_01		0.134	0.321	0.173	-0.022	0.54	0.668	0.011	0.231
A001285_01		-0.005	0.087	0.057	0.038	0.289	0.369	-0.149	-0.066
A001289_01		-0.805	-0.452	-0.093	0.09	-0.439	-0.204	-0.181	0.186
A001291_01	NA	NA		-0.096	0.052 NA	NA		-0.231	0.023
A001293_01		-0.28	-0.37	0.138	0.238	-0.236	-0.144	-0.052	-0.109
A001296_01		0.327	0.404	-0.122	-0.169	-0.182	0.108	0.041	0.352
A001297_01		0.038	-0.04	0.11	0.025	-0.361	0.142	0.097	0.183
A001298_01	NA	NA		0.243	0.216	-0.318	0.141	-0.181	-0.169
A001299_01		-0.245	-0.086	-0.309	-0.65	0.325	0.218	-0.332	-0.347
A001302_01		-1.06	-0.863	0.064	0.231	-0.281	-0.135	-0.563	-0.424
A001303_01		0.075	0.076	-0.412	-0.246	-0.755	-0.015	-0.175	-0.157
A001306_01	NA		0.076	-0.204	-0.131	0.091	0.122	0.106 NA	
A001308_01		0.208	0.313	-0.498	-0.335	0.338	0.479	0.243	0.485
A001309_01		-0.306	-0.139	-0.159	0.114	-0.002	0.163	-0.266	-0.184
A001311_01		-0.03	-0.109	0.269	0.116	0.051	-0.136	0.139	0.125
A001317_01		0.019	-0.059	-0.214	-0.135	-0.041	-0.086 NA	NA	
A001318_01		-0.133	0.16	0.613	0.582	0.546	0.572	-0.311	-0.214
A001324_01	NA		0.428	0.165	0.044	0.071	-0.017	-0.035	0.218
A001325_01		-0.051	-0.047	-0.164	0	0.087	0.304	-0.172	0.22
A001326_01		-0.156 NA		0.121	0.323	-0.334	-0.346 NA		0.011
A001329_01		-0.006	0.095	0.237	0.2	0.2	0.081	0.096	0.054
A001331_01		0.128 NA		-0.032	0.2 NA	NA	NA		0.329
A001332_01		-0.241	-0.156	-0.207	0.087	-0.286	-0.274	0.223	0.161
A001333_01		-0.185	-0.021	-0.081	-0.025	0.266	0.478	0.115	0.2
A001334_01		0.244	0.274	0.088	0.274	0.074	0.033	-0.065	-0.156
A001339_01		0.127	0.234	-0.258	-0.185	0.199	0.369	0.288	0.149
A001340_01		-0.425	-0.038	0.134	0.231	-1.07	-1.168	-0.201	-0.125
A001345_01		0.053	-0.062	0.014	-0.247	0.263	0.143	0.167	0.103
A001347_01	NA		0.269	-0.231 NA	NA		-0.039 NA	NA	
A001348_01		0.021	0.021	0.136	0.192	0.049	0	-0.041	-0.095
A001350_01		-0.208	-0.055	0.583	0.687	0.126	0.173	-0.265	-0.169
A001351_01		-0.306	-0.142	-0.308	-0.001	-0.271	-0.016	-0.166	0.002
A001352_01		-0.841 NA		-0.079 NA		0.235	0.71 NA		0.828
A001353_01	NA		0.036	-0.114	0.055	-0.109	0.165 NA	NA	
A001355_01		-2.422	-1.911	-2.371	-2.006	-3.224	-3.759	-2.285	-1.789
A001356_01		0.349	0.267	-0.319	-0.189	-0.173	-0.219	0.205	0.171
A001357_01		-0.241	-0.272	-1.097	-0.886	-0.776	-0.809	-0.354	-0.239
A001358_01		-0.151 NA		0.378	0.248 NA		-0.213	-0.022	-0.202
A001360_01		-0.22	0.016	-0.304	-0.059	0.152	0.088	0.26	0.475
A001363_01		0.212	0.257	-0.144	0.073	-0.292	-0.302	0.024	0.123
A001369_01		-0.86 NA		-0.303	-0.181	-1.219	-0.834	-0.273	-0.044
A001374_01		-2.407	-2.135	-2.711	-2.171	-3.669	-4.451	-2.471	-2.306
A001375_01		0.293	0.326	-0.12	0.186	-0.002	-0.038	-0.161	-0.206
A001376_01		0.274	0.253	0.191	0.127	-0.519	-0.765	-0.09	-0.025
A001378_01		-0.04	0.121	-0.025	0.208	0.012	0.118	-0.052	-0.106
A001380_01		-0.136	-0.297	0.076	0.34	-0.92	-0.927	-0.441	-0.241
A001387_01	NA	NA		-0.189	-0.066 NA		-0.707	-0.8	-0.528
A001389_01		-0.149	-0.155	0.121	-0.053	0.187	0.184	-0.018	-0.06
A001390_01		-0.036	-0.024	-0.493	-0.373	0.094	0.231	0.101	0.223
A001392_01		-0.428	-0.058	-0.179	-0.258	0.499	0.915	0.009	0.251
A001396_01	NA	NA		0.986	1.081 NA		0.044	-0.239	-0.286

A001399_01		0.177	0.023	0.106	0.207	-0.173	-0.321	-0.052	-0.106
A001400_01		0.103	0.045	0.03	0.071	-0.088	-0.01	0.049	-0.049
A001401_01	NA		0.162	-0.065	0.012 NA		-0.409	0.151	0.172
A001409_01		0.127	0.282	0.023	0.165	-0.086	-0.061	0.057	0.378
A001410_01		0.345	0.839	-0.224	0.035	0.745	0.954 NA		0.22
A001411_01		0.082	0.02	-0.262	0.192	-0.166	-0.32	-0.313	-0.311
A001412_01		-0.158	-0.156	0.055	0.044	0.42	0.405	-0.017	-0.083
A001417_01		-0.059 NA		0.051	0.318	-0.135	0.121 NA	NA	
A001418_01		-0.296	-0.097	0.225	0.519 NA		-0.092	-0.166	-0.231
A001420_01		-0.785	-0.545	-0.521 NA		-0.504	-0.522 NA		-0.077
A001421_01		-0.139	0.13	0.316	0.416	-0.097	-0.081	-0.229	-0.174
A001426_01		0.192	0.353	-0.005	0.042	-0.113	-0.28	-0.138	-0.028
A001428_01		0.103	-0.022	0.218	0.272	0.28	0.375	-0.272	-0.164
A001429_01		-0.815	-0.759	-0.675	-0.329 NA		-1.628	-1.014	-1.224
A001432_01		-0.277 NA		0.109	0.139 NA		-0.24	-0.482	-0.317
A001435_01		-0.515	-0.466	-1.78	-1.413	-0.577	-0.596	-0.184	-0.402
A001436_01		-0.08	-0.088	0.468	0.259	-0.58	-0.682 NA	NA	
A001441_01		-0.026	0.086	0.171	0.139	0.299	0.502	-0.13	-0.088
A001442_01		-0.432	-0.304	0.646	0.642	0.379	0.341	0.07	-0.056
A001445_01		-0.209	0.064	-0.043	0.219	-0.143	0.156	-0.325	-0.153
A001446_01		-0.275	-0.253	-0.13	-0.134	-0.19	-0.104	-0.162	-0.218
A001448_01		-0.297	-0.161	-0.091	0.028	-0.116	-0.031	-0.384	-0.284
A001449_01		-0.219 NA		0.088	0.2 NA	NA	NA		0.236
A001451_01		0.014	0.216	-0.274	-0.293	0.032	0.255	-0.343	-0.025
A001452_01		-0.386 NA		-0.007	0.02	-0.071	0.034	-0.163	-0.1
A001455_01		-0.219	0.011	-0.1	-0.021	-1.105	-1.301	-0.277	-0.138
A001457_01		-0.161	-0.081	0.007	0.117	-0.219	-0.137	-0.066	-0.005
A001458_01		0.015	0.124	-0.059	0.064	0.107	0.154	-0.002	0.155
A001460_01		-0.162	0.243	0.01	0.098	-0.727	-0.432	-0.35	0.147
A001461_01		-0.074 NA		0.154	0.264	-0.622	-0.663	-0.048	0.068
A001465_01		0.015	-0.074	0.006	0.249	-0.192	-0.189	-0.049	-0.19
A001468_01		0.305	0.276	-0.157	0.053	-0.267	-0.36	-0.207	-0.321
A001471_01		-1.309	-1.258	-0.821	-0.342 NA		-1.369 NA		-0.443
A001472_01		0.029	0.024	-0.136	-0.059	0.127	0.328	0.065	0.158
A001474_01		0.169	0.177	0.004	0.059	-0.03	0.092	-0.065	-0.005
A001477_01		0.224	0.326	0.351	0.461	0.948	1.017	0.163	0.407
A001480_01		-0.282 NA		-0.163	0.386 NA		-0.026 NA	NA	
A001481_01		0.231	0.34	-0.244	0.115	0.365	0.546	0.265	0.313
A001487_01		-0.035	0.156	0.14	0.131	0.177	0.116	-0.179	0.049
A001488_01		0.229	0.316	0.206	0.292	0.123	-0.042	0.078	-0.015
A001490_01		0.186	0.355	0.326	0.378	-0.039	-0.019	-0.164	-0.004
A001495_01		-0.153	-0.015	0.231	0.432	0.081	0.206	0.035	0.042
A001496_01		0.166	0.352	-0.185 NA		-0.012	-0.026 NA	NA	
A001507_01		-0.448	-0.334	-0.095 NA		0.404	0.633	0.033 NA	
A001511_01		-0.029	0.068	-0.1	-0.151	0.074	0.268	0.075	0.292
A001513_01		0.253	0.452	0.2	0.234	-0.32	-0.464	-0.022	0.156
A001516_01		-0.135 NA		-0.268	-0.017	0	0.332	0.148	0.412
A001518_01	NA	NA		-1.252	-0.474 NA		-2.54	-0.701	-0.575
A001529_01		-0.043 NA		-0.142	0.326 NA	NA	NA		0.215
A001536_01		-0.07 NA		-0.215	0.124	-0.312	-0.252	-0.073	-0.081
A001537_01	NA	NA		0.131	0.232 NA		-1.035	-0.038	0.08
A001553_01		0.066	0.166	0.084	0.124	-0.475	-0.581	-0.129	-0.075
A001558_01		-0.031	-0.293	-0.124	0.05	-0.754	-0.727	-0.059	-0.209
A001559_01		-0.104 NA		0.332	0.338 NA		0.347	-0.39	-0.216
A001566_01		-0.143	-0.011	0.024	0.238	-0.785	-0.843	-0.114	0.111
A001567_01		0.261	0.256	-0.28	-0.148	0.237	0.161	0.234	0.191
A001568_01		0.178 NA		-0.48 NA		0.036	0.242 NA	NA	
A001573_01		-0.17	-0.162	-0.303	0.004	0.085	0.129 NA	NA	
A001578_01		-0.186	-0.319	-0.352	-0.356	-0.215	-0.203	-0.448	-0.264
A001586_01		0.036 NA		-0.013	0.275	-0.209	-0.014 NA	NA	
A001593_01		-0.43	0.195	0.254	0.419	-0.597	-0.474	-0.65	-0.121
A001595_01		-0.44	-0.196	-0.086	0.135	0.363	0.712	-0.062	0.259
A001601_01		-0.244 NA		-0.367 NA	NA		0.124 NA	NA	
A001602_01		-0.343	-0.15	-0.212	-0.013	-0.533	-0.434	-0.131	0.238
A001604_01		-0.04	0.065	0.059	0.07	0.053	0.038	-0.17	0.037
A001605_01		0.076	0.267	-0.042	0.018	0.26	0.312	-0.135	-0.015
A001606_01		-0.011	0.199	0.308	0.048	0.355	0.496	-0.306	-0.031
A001609_01		-0.094	0.045	-0.019	-0.148	0.441	0.64	0.285	0.402

A001610_01		0.556	0.528	0.053	-0.115	0.391	0.402	0.197	0.299
A001611_01		0.086 NA		-0.289 NA	NA	NA	NA		0.021
A001612_01		-0.816	-0.99	-1.384	-1.076	-0.051	0.481	-0.144	0.059
A001613_01		-0.129	-0.086	-0.27	-0.342	-0.094	0.005	0.2	0.386
A001619_01		0.26	0.152	-0.12	-0.087	-0.125	-0.21	-0.249	-0.195
A001621_01		-0.068 NA		-0.669 NA		-0.383	1.213 NA	NA	
A001624_01		-0.035 NA		-0.415	0.068 NA	NA	NA		0.398
A001631_01		-0.289	-0.22	-1.099	-0.882	-0.819	-0.917 NA	NA	
A001645_01		-0.031	0.168	0.022	0.092	-0.235	-0.24 NA		-0.093
A001651_01		-0.308 NA		-0.497	-0.13	-0.566	-0.334 NA		0.212
A001652_01		0.15 NA		0.304	0.278 NA	NA	NA		0.313
A001663_01		0.619	0.965	0.084	0.531 NA		0.177 NA	NA	
A001664_01		-0.019 NA		-0.022	0.329 NA		-0.292 NA	NA	
A001670_01		-0.685 NA		-0.286 NA		-0.274	0.012 NA	NA	
A001671_01		-0.589	-0.184	-0.063	-0.028	0.212	0.562	-0.057	0.204
A001675_01		-0.421	-0.326	-0.052	-0.005	0.156	0.286	-0.336	-0.118
A001677_01		-0.151 NA		-0.187	0.105	0.146	0.33 NA	NA	
A001678_01		0.149 NA		-0.438	-0.03 NA		-0.046 NA		0.246
A001679_01	NA		-0.874	-0.258	-0.126	-1.003	-1.129	-1.495	-1.5
A001681_01		0.051	-0.025	-0.308	0.03	-0.107	0.098	-0.035	0.11
A001683_01		0.019 NA		-0.294	-0.082 NA		-0.011 NA		0.014
A001693_01		0.035	0.133	0.11	0.145	-0.768	-0.436 NA		0.061
A001695_01		-0.071 NA		-0.133	0.26 NA		0.273	0.074	0.499
A001696_01		-0.299 NA		-0.468	0.026 NA		-0.063 NA		0.456
A001697_01		-0.349	-0.15	-0.181	-0.193	0.305	0.489	-0.289 NA	
A001711_01		-0.197	-0.296	-0.084	-0.117	-0.475	-0.408	-0.098	0.162
A001717_01		0.032	0.029	-0.547	-0.426	-0.038	-0.035	-0.062	0.083
A001719_01		-0.393	-0.243	-0.244	-0.157	-0.137	-0.065	0.019	0.236
A001720_01		-2.731	-2.313 NA		-2.445	-3.488	-4.644 NA	NA	
A001728_01		-0.036	-0.002	-0.081	0.072	-0.021	0.154	0.054	0.246
A001736_01		0.208	0.094	0.022	0.14	0.227	0.357	-0.071	-0.109
A001740_01		-0.411	-0.238	-0.177	-0.048	0.06	0.172	0.238	0.425
A001745_01	NA		-0.346	-0.314	0.31	-0.485	-0.308 NA	NA	
A001748_01		-0.154	0.422	0.134	0.409	-0.434	-0.162	-0.208	0.264
A001750_01		0.019	0.016	-0.238	-0.115	0.07	0.213	0.067	0.131
A001756_01		0	0.142	-0.152	0.172	0.002	0.171 NA		0.395
A001757_01		0.025	0.277	-0.198	-0.137	0.066	0.326	0.1	0.265
A001758_01		-0.498 NA		-0.311	-0.021	-0.17	-0.013 NA		0.331
A001760_01		-0.377 NA		0.164	0.408	-1.099	-0.918 NA		-0.169
A001770_01		-0.226 NA		-0.129	0.195	0.913	1.241	-0.125	0.475
A001773_01		0.695	0.352	-0.212	-0.125	0.231	0.17	0.308	0.191
A001779_01		-0.179	-0.071	-0.361	0.046	-0.849	-0.761 NA		0.028
A001783_01		-0.321 NA		-0.041	-0.033 NA	NA		0.239	0.213
A001785_01		0.113 NA		-0.206	0.331	0.459	0.64 NA	NA	
A001789_01		-0.096	0.291	0	0.176	0.431	0.638 NA		0.057
A001790_01		-0.074	0.22	0.003	-0.025	0.454	0.643	-0.194	-0.063
A001791_01		0.112 NA		-0.371	-0.074 NA		-0.144	-0.213	0.11
A001800_01		-0.364 NA		-1.164 NA		0.442	0.64 NA		0.026
A001801_01		-0.219	-0.213	-0.366	-0.229	0.324	0.354	0.211	0.256
A001803_01		-0.099	0.111	-0.033	0.03	-0.077	0.031	-0.153	0.196
A001804_01		-0.108	0.008	0.033	-0.168	-0.097	-0.117	0.04	0.041
A001807_01		-0.254 NA		-0.272	-0.139 NA		0.5 NA		0.202
A001819_01		-0.168 NA		-0.226 NA		-0.269	0.028 NA		0.413
A001826_01		0.16	-0.145	-0.233	-0.011	-0.063	-0.038	-0.075	-0.11
A001827_01		0.452	0.78	0.215	0.395 NA		0.339	-0.452	-0.106
A001833_01		-0.016 NA		-0.132	0.06 NA		0.09	-0.161	0.121
A001838_01		0.023	-0.021	-0.296	-0.109	-0.043	-0.028	0.124	0.296
A001842_01		0.041	0.061	-1.045 NA		-1.081	-1.135 NA		0.147
A001843_01		-0.411	-0.482	-0.286	-0.185	-0.377	-0.3	0.109	0.179
A001848_01		0.001	0.231	-0.165	0.028	0.016	0.157	-0.284	0.012
A001861_01		0.46	0.603	0.169	0.264	0.285	0.239	-0.171	-0.007
A001864_01		-0.053	0.108	0.305	0.23	0.195	0.198	0.12	0.261
A001865_01		0.045 NA	NA	NA		0.139	0.28 NA		0.599
A001867_01		-0.011 NA		-0.385 NA		-0.205	-0.287 NA		0.146
A001868_01		-0.056	0.032	-0.309	0.225	-0.106	0.03 NA	NA	
A001869_01		-0.005 NA		-0.09	0.224	0.267	0.454	0.127	0.155
A001870_01	NA	NA		-0.245	0.231 NA		-0.267 NA	NA	
A001874_01		-0.105	-0.016	-0.369	-0.141	-0.657	-0.507	-0.181	-0.05

A001880_01		0.339	0.571	-0.219	0.132	-0.035	0.19	0.008	0.086
A001883_01		-0.028	-0.066 NA		-0.121	-0.472	-0.408	-0.001	0.178
A001884_01		-0.143 NA		-0.571	-0.205	-0.148	-0.162 NA		0.012
A001886_01		-0.267	-0.083	0.073	0.244	0.094	0.401	0.091	0.185
A001889_01		-0.331	-0.044	-0.189	0.098	-0.194	0.032	-0.019	0.392
A001894_01		0.019	0.105	-0.163	0.279 NA		-0.911 NA	NA	
A001898_01		0.048	0.2	-0.053	0.08	-0.404	-0.503	0.11	0.092
A001901_01		-0.059	0.088	0.06	0.074	0.061	0.008	0.211	0.148
A001903_01		-0.072 NA		0.661	0.737	0.101	0.038	-0.16	-0.421
A001904_01		-0.165	-0.406	-0.383	-0.144	-0.249	-0.108	-0.075	-0.206
A001912_01		0.203 NA		-0.144	0.107 NA		0.465 NA		0.176
A001913_01		-0.297	-0.191	-0.234	-0.152	0.025	0.095	-0.208	-0.173
A001915_01		0.352	0.152	-0.057	0.119	-0.132	-0.272	-0.175	-0.175
A001917_01		-0.031	0.047	-0.391	-0.418	0.315	0.503	-0.31	-0.072
A001918_01		0.14	0.243	0.04	-0.197	0.025	-0.166	-0.19	0.169
A001920_01		0.042	-0.123	-0.028	0.154	0.127	0.136	0.053	0.009
A001924_01		-0.015	-0.115	-0.313	-0.244	-0.235	-0.207 NA		0.275
A001929_01	NA	NA		0.067	0.106 NA		-0.528	-0.076	-0.073
A001932_01		0.093 NA	NA		0.145	0.134	0.214 NA	NA	
A001934_01		0.461	0.499	0.026	0.213	-0.259	-0.335	-0.432	-0.24
A001936_01		-1.025	-0.801	0.095	0.294	0.035	0.05	0.168	0.281
A001937_01		0.086	-0.002	-0.819	-0.604	0.193	0.233	-0.264	-0.172
A001939_01		-0.389 NA		0.251	0.439 NA		-0.028	-0.545	-0.441
A001945_01		0.016	0.169	-0.269	0.129	0.054	0.289	0.038	0.1
A001946_01		0.206	0.274	-0.257	-0.08	-0.076	-0.058	0.17	0.163
A001952_01		-0.006	-0.234	-0.036	-0.12	0.113	0.053	-0.012	-0.055
A001957_01		0.245 NA		0.718	0.47 NA		0.245	-0.4	-0.255
A001958_01		0.107 NA		0.271	0.222	0.268	0.265 NA	NA	
A001959_01		0.011	0.183	-0.002	0.243	-0.051	-0.027	0.007	-0.13
A001961_01		0.361 NA		0.141	0.383 NA		0.267 NA		-0.035
A001962_01		-0.048	-0.006	-0.19	-0.04	0.11	0.278	-0.128	0.034
A001963_01		0.056	0.031	-0.342	-0.056	0.1	0.226	0.068	0.061
A001964_01		-0.145	-0.093	0.041	0.108	-0.159	-0.062 NA		0.063
A001966_01		0.209	0.183	-0.078	0.097	0.012	0.17	-0.151	-0.239
A001967_01		-0.195	0.078	0.384	0.404	-0.222	-0.222 NA		-0.678
A001970_01		0.024	0.107	-0.485	-0.389	0.124	0.074	0.065	0.084
A001974_01		0.043	-0.112	-0.154	-0.106	0.291	0.294	0.097	0.281
A001975_01		0.175	0.133	0.186	0.132	-0.312	-0.493 NA		0.07
A001979_01		-0.152	-0.047	-0.226	-0.288	0.128	0.183	0.118	0.378
A001980_01		0.407	0.65	0.388	0.764	0.007	0.114	-0.27	-0.184
A001984_01		-0.139 NA		0.076	-0.109 NA	NA		-0.243	-0.165
A001986_01		0.202	0.209	-0.068	0.01	0.273	0.452	0.215	0.325
A001988_01		-0.068	0.075	0.465	0.555	-0.319	-0.109	-0.827	-0.469
A001990_01		-0.422 NA		-0.292 NA	NA	NA	NA	NA	
A001996_01		-0.192 NA		-0.018	-0.141	-0.222	-0.03 NA	NA	
A001997_01		0.578	0.534	0.802	0.824	0.51	0.593	-0.345	-0.25
A002002_01		0.144	0.2	-0.094	-0.006	-0.61	-0.824	0.028	0.014
A002003_01		0.127 NA	NA		-0.036 NA		0.197 NA	NA	
A002008_01		0.6	0.883	0.014	0.069	0.256	0.448	0.31	0.53
A002009_01		-0.151	0.169	-0.107	-0.129	0.299	0.403	0.112	0.348
A002011_01		0.487	0.508	-0.395	-0.254	-0.166	-0.373	0.195	-0.065
A002013_01		0.119	0.274	0.295	0.237	0.44	0.454	-0.015	0.105
A002014_01		-0.212	-0.042	0.174	0.074	0.374	0.499	0.177	0.196
A002016_01		-0.162 NA		0.185	0.227 NA		0.005 NA		0.104
A002017_01		-0.021	-0.234	0.294	0.482	0.659	0.925 NA	NA	
A002023_01		0.054	0.102	0.087	0.295	0.464	0.709	0.194	0.176
A002026_01		-0.513	-0.319	-0.444	-0.083	-0.007	0.342	-0.153	-0.081
A002031_01		0.495	0.373	-0.417	-0.243	0.666	0.612	-0.103	-0.19
A002032_01		0.074	0.137	-0.185	-0.124	0.116	0.213	-0.097	0.061
A002033_01		0.043	0.058	0.067	-0.061	0.175	0.186	-0.119	0.029
A002035_01		-0.475	-0.259	-0.191	-0.005	-0.044	0.257	0.129	0.142
A002037_01		-0.194	0.299	-0.326	-0.282	0.237	0.571 NA		0.343
A002038_01		0.159 NA		0.059	0.156	0.746	1.045 NA		0.133
A002045_01		1.194	1.202	0.678	0.557	0.43	0.076	-0.27	-0.195
A002050_01		-0.365 NA		-0.366	-0.311	0.416	0.441 NA	NA	
A002052_01		0.142	0.005	-0.089	-0.007	-0.166	-0.051	-0.12	0.047
A002054_01		-0.316	-0.176	-0.106	-0.092	0.235	0.439	-0.025	0.07
A002059_01		0.081	0.404	0.471	0.406 NA		-0.492	-0.278	-0.156

A002061_01		0.203 NA		-0.307	-0.074 NA		0.259	0.175	0.01
A002062_01		-0.666	-0.512	0.039	0.064	-0.631	-0.434	0.441	0.799
A002065_01		-0.259	0.023	-0.324	-0.184	0.359	0.549 NA	NA	
A002066_01		-0.386	-0.287	-0.075	-0.104	-0.006	0.012	0.131	0.097
A002067_01		-0.022	0.06	0.116	0.218	0.325	0.492 NA	NA	
A002068_01		-0.038	-0.022	-0.247	-0.289	0.246	0.19	0.485	0.425
A002070_01		-0.332	-0.229	0.727	0.662	1.278	1.576	0.368	0.508
A002073_01		0.069	0.212	-0.341	-0.043	-0.053	0.165	-0.079	-0.029
A002075_01		-0.125	-0.027	-0.039	0.05	0.359	0.457	0.08	-0.064
A002076_01		0.115	0.111	0.283	0.096	0.177	0.077	-0.153	-0.04
A002079_01		-0.732 NA		-0.072	0.055	-0.178	-0.086 NA		-0.142
A002080_01		-0.467	-0.157	0.133	0.169	-1.109	-1.195	-0.637	-0.385
A002081_01		0.282	0.287	-0.124	0.162	-0.541	-0.782	-0.632	-0.614
A002082_01	NA		-0.248	0.646	0.774	0.304	0.481	-0.129	-0.147
A002083_01		-0.161 NA		0.029	-0.022	-0.578	-0.741 NA	NA	
A002085_01		0.191	0.179	0.186	0.112	0.227	0.133	-0.247	-0.013
A002086_01		-0.471	-0.235	0.071	0.028	-0.918	-0.976	-0.288	-0.035
A002087_01		-1 NA		-0.283	-0.143	0.567	0.908 NA		0.44
A002088_01		0.43	0.8	0.168	0.285 NA		-0.626 NA		0.193
A002089_01		-0.065	0.473 NA		0.026 NA		0.146 NA	NA	
A002090_01		-0.377	-0.218	0.127	0.242	-0.242	-0.177	-0.026	-0.033
A002092_01		0.032 NA		0.012	0.075 NA	NA	NA	NA	
A002094_01		0.15	0.222	0.235	0.313	-0.689	-0.674	-0.552	-0.439
A002096_01		0.291	0.159	-0.012	0.091	0.167	0.121	-0.203	0.001
A002102_01		0.064	0.227	0.592	0.671	1.008	1.172	0.045	0.092
A002103_01		0.462	0.382	0.19	0.241	0.326	0.268	-0.034	-0.113
A002116_01		-0.197	-0.143	0.244	0.199	0.167	0.206	-0.203	-0.193
A002117_01		0.046 NA		-0.05	0.079 NA		-0.155 NA	NA	
A002118_01		0.487	0.959	0.124	0.037	0.27	0.362	0.018	0.554
A002120_01		0.188	0.132	-1.197	-0.869	0.84	1.07	0.024	-0.02
A002126_01		0.439 NA		0.393	0.35 NA	NA	NA		-0.201
A002130_01		-0.042 NA		-0.165 NA		0.186	0.238 NA	NA	
A002138_01		0.079	0.345	0.123	0.14	0.248	0.378	-0.469	-0.051
A002142_01		-0.541	-0.281	-0.306	-0.066	-0.293	0.04	-0.263	0.127
A002146_01		-0.324	-0.017	-0.017	0.103	-0.564	-0.58	-0.21	-0.133
A002147_01		0.041	0.151	0.01	0.127	-0.048	0.112	-0.084	0.021
A002148_01		-0.142	-0.027	0.17	0.109	-0.272	-0.339	-0.174	-0.054
A002149_01		-0.256	-0.085	-0.254	-0.114	0.394	0.771	0.065 NA	
A002160_01		0.243	0.319	0.033	-0.045	0.183	0.293	0.191	0.239
A002165_01		-0.355	-0.134	-0.49	-0.438	0.178	0.352	-0.177	0.092
A002171_01		-0.498 NA		-0.234	0.017 NA		-0.097 NA		0.264
A002175_01		0.198 NA		0.325	0.185	0.053	-0.068	0.143	-0.049
A002176_01		0.113	0.244	-0.132	0.211	0.055	0.246	-0.036	0.041
A002178_01		-0.046 NA		-0.218	-0.205 NA		-0.026	0.172	0.207
A002180_01		0.036 NA		0.21	0.281 NA		0.065 NA	NA	
A002183_01		-0.866 NA		0.056	0.506 NA		-0.523 NA	NA	
A002184_01		0.049	0.233	-0.324	-0.205	0.618	0.962 NA		0.285
A002198_01		-0.117 NA		0.108	0.193 NA	NA	NA	NA	
A002199_01		-0.034 NA		0.132	0.24 NA		-0.397 NA		-0.007
A002206_01		0.031	0.024	-0.028	-0.132	-0.053	-0.065	0.003	-0.037
A002210_01		0.411	0.453	-0.098	0.248	-0.261	-0.268	-0.158	-0.124
A002214_01		0.25	0.286	-0.121	0.02	0.166	0.18	0.159	0.147
A002218_01	NA		NA	-0.56	-0.362 NA		0.462	0.076	0.246
A002220_01		0.053	-0.012	-0.474	-0.507	0.063	-0.027	-0.03	-0.116
A002224_01		-0.069	0.351	-0.186	-0.06	0.119	0.316 NA		0.457
A002230_01		-0.134	0.104	0.109	-0.134	0.443	0.467	-0.246	-0.094
A002232_01		0.683	0.632	0.371	0.564	0.225	0.147 NA	NA	
A002235_01		-0.13 NA		0.148	0.605	1.029	1.434	0.38	0.609
A002237_01		0.122	0.174	-0.276	-0.135	0.053	0.074	-0.141	0.184
A002243_01		0.089	0.151	-0.051	0.248	-0.045	-0.008	0.02	0.143
A002244_01		0.237	0.109	0.067	0.018	0.392	0.479	-0.021	0.17
A002246_01		0.103 NA		-0.174	-0.04	-0.423	-0.467 NA		-0.099
A002258_01		0.176	0.337	0.068	0.168	-0.392	-0.411	0.07	0.056
A002259_01		0.123	0.189	-0.384	-0.196	0.023	-0.023 NA		0.09
A002260_01		0.322	0.644	-0.071	0.113	0.306	0.259	0.146	0.496
A002266_01		0.192	0.508	0.052	0.043	0.142	-0.013	-0.157	-0.027
A002267_01		0.056 NA		0.501	0.641	0.536	0.955 NA		-0.095
A002272_01		-0.071 NA		-0.204	-0.387	-0.053	0.168 NA		0.195

A002283_01		0.215	0.129 NA		0.097	0.114	0.218 NA	NA	
A002284_01		0.043 NA		-0.067	-0.181	-0.565 NA		0.168	0.231
A002285_01		-0.287	-0.198	-0.507	-0.142	-0.207	-0.065 NA	NA	
A002294_01		0.055	-0.105	-0.171	0.146	0.485	0.605	0.243	0.215
A002308_01		-0.012	0.204	-0.488 NA		-0.454	-0.598 NA		0.295
A002329_01		0.111	0.163	-0.05	0.278	-0.239	-0.128	-0.242	0.003
A002330_01		0.157	0.332	-0.181	0.215	-0.127	-0.074	-0.217	0.034
A002338_01		0.087	0.098	-0.207	0.115	-0.105	0.08	-0.093 NA	
A002345_01		0.107	0.294	-0.368	-0.055	0.004	0.133	-0.025	0.154
A002346_01		0.209	0.227	-0.257	-0.09	0.1	0.183	-0.11	0.068
A002349_01		-0.127	-0.043	-0.552	-0.11	0.365	0.936 NA		0.239
A002356_01		-0.097 NA		-0.15	0.22	0.089	0.199 NA		0.275
A002359_01		0.331	0.283	-0.026	0.229	-0.074	-0.146	0.095	0.005
A002363_01		0.171	0.039	-0.536	-0.401	0.31	0.436	0.37	0.406
A002365_01		0.548 NA		0.013	0.202	0.094	0.155 NA		0.225
A002368_01		0.068	0.039	-0.096	-0.392	0.041	0.018	0.017	0.162
A002369_01		-0.226	-0.02	-0.009	-0.039	0.163	0.407	-0.296	-0.147
A002370_01		-0.049 NA		-0.349	-0.2	-0.007	-0.12 NA		0.19
A002372_01		-0.167	-0.09	-0.424	-0.116	-0.2	0.066	0.004	0.076
A002374_01		-0.22	-0.216	0.234	0.407	0.247	0.375 NA	NA	
A002376_01		0.238 NA	NA		0.168 NA		0.4 NA		0.582
A002378_01		0.172	0.138	-0.246	-0.022	0.217	0.293 NA		0.398
A002383_01		-0.05	0.085 NA		0.472	0.247	0.303	-0.371	-0.174
A002385_01		0.081	0.141	-0.599	-0.237	0.436	0.378 NA	NA	
A002387_01		0.514	0.127	-0.278	-0.156	0.33	0.324	0.35	0.214
A002390_01		-0.321 NA		-0.216	0.168	-0.252	-0.159 NA		0.339
A002393_01		-0.227	-0.118	-0.231	-0.021	0.128	0.342	-0.073	0.086
A002405_01		0.046 NA		-0.369	-0.162 NA		0.025 NA	NA	
A002408_01		-0.213	-0.304	-0.414	-0.183	0.482	0.852	0.246	0.384
A002409_01		-0.984	-0.749 NA	NA		-2.467	-2.984 NA	NA	
A002412_01		0.078 NA		-0.127	0.231	-0.03	-0.176	0.028	0.013
A002413_01	NA	NA		-0.067	0.379 NA	NA	NA		0.201
A002417_01		-0.174 NA		-0.401	-0.027	0.216	0.535 NA		0.091
A002418_01		-0.685	-0.697	-1.638	-1.209	-1.657	-1.972	-1.497	-1.371
A002425_01		-0.261	-0.158	-0.534	-0.021	-0.161	0.065	0.197	0.464
A002429_01		-0.103 NA		-0.382	0.002	0.118	0.252 NA		0.077
A002432_01		-0.241	0.018	-0.068	-0.034	-0.16	-0.129	-0.301	0.081
A002433_01		-3.007	-2.399	-3.278	-2.44	-4.024 NA	NA	NA	
A002437_01		-0.113	0.121	-0.291	-0.097	-0.479	0.079	-0.644	-0.409
A002441_01		0.194	0.269 NA		0.055	-0.203	-0.022	-0.047	0.041
A002454_01		-0.065	0.079	-0.059	0.065	0.716	1.019 NA		0.572
A002461_01		0.103 NA		0.018	0.207 NA		-0.362	0.088	0.074
A002473_01		0.22	0.487	-0.227	-0.302	0.209	0.037	0.001	0.117
A002476_01		0.498	0.448	-0.097	0.165	0.054	0.775	0.074	0.594
A002480_01	NA	NA		-0.272	-0.069 NA	NA		0.108	0.283
A002484_01		-0.26	-0.16	-0.112	0.222	-0.517	-0.583	-0.058	0.002
A002488_01		0.16	0.393	0.073	0.052	0.445	0.39	-0.081	-0.02
A002489_01		-0.01 NA		-0.072 NA	NA		0.161 NA		0.147
A002491_01		0.571	0.299	0.03	0.085	-0.195	-0.488	-0.213	-0.386
A002506_01		0.228 NA		0.095	0.243	0.092	-0.107 NA		-0.109
A002514_01		-0.753	-0.591	0.9	1.082	1.212	1.636	0.468	0.49
A002522_01		-0.148	-0.024	-0.184	-0.017	0.253	0.366 NA	NA	
A002523_01		-0.094	0.154	0.245	0.177	-0.311	-0.192	-0.175	0.32
A002525_01		0.718 NA		0.832	0.731	0.765	0.864	-0.035	0.074
A002534_01		-0.146	-0.264	-0.34	-0.113	-0.266	-0.31	0.242	0.299
A002535_01	NA		0.128	-0.001	0.063 NA		-0.021	-0.043	0.287
A002537_01		-0.213 NA	NA	NA		-0.067	0.255 NA	NA	
A002539_01		0.76	0.701	0.567	0.511 NA		-0.086	-0.241	-0.232
A002540_01		-0.267	-0.093	-0.211	-0.038	-0.33	-0.043	-0.107	0.272
A002542_01		0.028	0.287	-0.41 NA		0.21	0.334 NA		0.103
A002545_01		-0.118	-0.327	-0.111	0.01	-0.038	-0.147	-0.105	-0.166
A002557_01		-0.332 NA		-0.203	0.054	-0.12	0.059 NA		0.185
A002558_01		0.213	0.199	0.083	-0.032	0.278	0.317	-0.116	-0.082
A002560_01		-0.068 NA		-0.282 NA		0.219	0.257 NA		0.151
A002561_01		0.159	0.046	0.186	0.323	0.3	0.273	-0.061	-0.024
A002562_01		-0.547	-0.296	-0.007	-0.031	-0.303	-0.164	0.003	0.22
A002580_01		-1.262	-0.809	0.196	0.304	0.934	1.4	0.797	0.891
A002588_01		-0.438	-0.216	0.145	0.11	0.232	0.292	-0.134	-0.034

A002592_01	0.211	0.406	0.056	0.135	0.209	0.153	-0.02	0.227
A002599_01	-0.455	-0.571	-0.135	0.193	0.073	0.307	0.057	0.556
A002608_01	-0.061	-0.057	0.053	0.25	-0.216	-0.233	-0.093	-0.284
A002609_01	-0.118 NA		-0.353 NA		0.356	0.567 NA		0.28
A002610_01	-0.212	-0.125	-0.122	-0.076	-0.128	-0.214	0.038	0.018
A002618_01	-0.039	0.164	0.333	0.61	-0.301	-0.296 NA	NA	
A002623_01	0.366 NA		0.405	0.472 NA	NA	NA	NA	
A002626_01	-0.158 NA		-0.131	0.131 NA		-0.026 NA		0.181
A002632_01	-0.111 NA		-0.025	0.124	0.094	0.103 NA		0.143
A002634_01	-0.087	0.075	-0.036	-0.164	0.323	0.514	-0.182	0.15
A002641_01	-0.046	0.251	0.016	0.254	0.043	0.047	0.004	0.148
A002642_01	0.092	0.145	-0.138	0.142	0.092	0.083	0.088 NA	
A002643_01	0.232	0.142	-1.709	-1.426	-2.384	-3.063	-1.493	-1.341
A002644_01	-0.288 NA		-0.161	-0.161 NA	NA		0.238	0.219
A002646_01	0.234	0.005	0.01	-0.05	0.161	-0.157	0.128	-0.027
A002647_01	-0.418	-0.478	-0.258	-0.032	-0.682	-0.736	-0.462	-0.495
A002648_01	0.126	0.109	0.173	0.096	0.17	0.169	-0.241	-0.228
A002650_01	0.806	0.662	0.137	0.392	0.932	0.852	0.522	0.385
A002651_01	0.306	0.591	0.337	0.357	-0.128	-0.224	-0.528	-0.356
A002656_01	-0.308	-0.225	-0.35	-0.127	-0.502	-0.3	-0.112	0.042
A002658_01	0.079	0.092	-0.33	-0.245	-0.1	-0.189	0.216	0.105
A002659_01	-0.069	0.104 NA		0.109	0.032	0.083 NA		0.016
A002660_01	NA	NA	-0.015	-0.091 NA		-0.111	0.043	0.023
A002662_01	-0.071	0.092	-0.111	0.006	-0.221	-0.306	-0.104	-0.084
A002672_01	-0.196	-0.217	-0.125	-0.148	0.329	0.436 NA		0.122
A002674_01	0.359 NA		0.036	0.226	0.628	0.855	0.11	0.133
A002675_01	0.107	-0.092	-0.036	0.009	0.015	-0.011	0.194	0.085
A002676_01	0.888	0.929	0.364	0.262	0.336	-0.021	0.132	0.152
A002677_01	0.031	-0.022	0.594	0.529	-0.721	-0.966	-0.528	-0.684
A002678_01	-0.025 NA		0.189 NA		-0.109	0.131 NA	NA	
A002692_01	-0.085	-0.074	-0.078	0.094	0.219	0.3	-0.044	-0.063
A002695_01	-0.722	-0.512	0.113	0.321	-1.107	-0.958	-0.862	-0.857
A002696_01	-0.16	-0.13	-0.842	-0.672	-0.783	-0.934	0.157	0.076
A002699_01	0.083 NA		-0.253	-0.263 NA		-0.01 NA	NA	
A002702_01	0.577	0.295	-0.159	0.044	0.276	0.258	0.106	-0.127
A002703_01	0.1 NA		0.076 NA		0.179	0.32 NA		0.106
A002704_01	0.111	0.233	0.329	0.407	0.266	0.342	-0.187	-0.03
A002706_01	0.157 NA		-0.25	0.077 NA		0.062 NA	NA	
A002712_01	-0.504	-0.126	0.339	0.284	0.307	0.681	0.097	0.377
A002713_01	0.14	0.035	-0.158	-0.13	-0.007	-0.054	0.035	0.066
A002718_01	0.189 NA		-0.19	0.02 NA		-0.173	0.009	-0.138
A002721_01	0.033 NA		-0.279	-0.185 NA		0.257 NA		0.117
A002724_01	-0.017	0.117	0.1	-0.187	0.074	0.098 NA		0.088
A002732_01	0.349	0.341	0.121	0.133	0.357	0.327	0.108	0.182
A002733_01	0.298	0.306	-0.374	-0.007	-0.173	-0.126	0.173	0.076
A002735_01	-0.054	0.129	-0.125	-0.028	0.063	0.228	-0.015	0.229
A002736_01	-0.101	-0.101	-0.459	-0.172	-0.056	0.089	-0.069	0.084
A002737_01	0.232	0.376	0.022	0.006	-0.025	-0.102	0.042	0.09
A002738_01	0.123	0.067	0.201	0.369	-0.263	-0.433	0.052	-0.012
A002741_01	-1.855	-1.071	0.353	0.56	-2.107	-2.67	-0.872	-0.985
A002742_01	0.078	0.043	0.56	0.544	0.039	0.071	-0.136	-0.143
A002744_01	0.422	0.294	-0.024	-0.226	0.286	0.14	0.135	0.111
A002750_01	-0.006 NA		0.078	0.231	-0.097	0.009 NA		-0.105
A002762_01	0.33	0.52	-0.041	-0.125	0.614	0.819	0.06	0.108
A002768_01	0.118	0.042	-0.221	-0.038	-0.386	-0.373	0.108	0.228
A002772_01	-0.161	0.094	-0.278	-0.233	-0.254	-0.159	0.148	0.404
A002773_01	-0.121 NA		0.101	0.048 NA		0.112 NA		-0.069
A002774_01	-0.123	-0.082	0.001	0.08	-0.138	-0.09	-0.202	-0.038
A002777_01	0.009 NA		-0.119	0.235	0.033	0.103 NA	NA	
A002779_01	-0.129	-0.189	0.122	0.303	-0.394	-0.265	-0.069	-0.055
A002780_01	0.049 NA		0.081	0.291 NA		0.607 NA		0.049
A002782_01	-0.904 NA		-0.324	-0.11	-0.614	-0.464 NA	NA	
A002787_01	-0.615	-0.259	-0.132	0.083	-1.264	-1.195	-0.485	-0.244
A002788_01	0.216	0.232	-0.13	-0.081	0.439	0.487	-0.068	0.009
A002793_01	0.19	0.021	-0.073	-0.116	0.06	0.028	0.066	0.014
A002795_01	-0.075	0.037	-0.151 NA		0.039	0.192 NA	NA	
A002797_01	0.044 NA		-0.053	0.006	-0.22	-0.258	-0.178	-0.114
A002798_01	0.503	0.309	0.106	0.339	0.282	0.342	-0.052	-0.097

A002800_01		0.05	0.266	-0.215	-0.241	-0.066	0.076	-0.066	0.191
A002809_01		0.079 NA		-0.333	-0.365	-0.048	-0.007	0.345	0.179
A002818_01		0.19	0.111	-0.302	-0.541	0.592	0.872	0.393	0.463
A002820_01		0.127	0.465	-0.202	-0.54	-0.011	-0.053	0.465	0.552
A002822_01		-0.079	-0.092	0.123	0.07	-0.079	-0.062	0.012	0.008
A002823_01		0.249	0.147	-0.15	-0.139	-0.254	-0.279	0.125	0.205
A002830_01		0.082	0.124	-0.305	-0.126	-0.024	0.003	0.205	0.106
A002834_01		-0.157	0.123	-0.107	0.043	0.236	0.637	-0.018	0.155
A002838_01	NA		0.17	-0.196	-0.099 NA		-0.288	0.312	0.2
A002841_01		-0.299	-0.179	-0.179	0.017	-0.203	-0.099	-0.177	-0.051
A002842_01		-0.456	-0.469	-0.366	-0.057	-0.393	-0.302	-0.125	0.023
A002851_01		0.114	0.06	0.318	0.379	0.076	0.1	-0.21	-0.186
A002854_01		0.075	0.089	-0.477	-0.375	0.56	0.668	0.444	0.364
A002855_01		-0.251	0.085	-0.233	-0.125	0.415	0.669	0.023	0.141
A002858_01		-0.176	-0.118	-0.12	-0.15	-0.053	-0.084	-0.003	-0.111
A002863_01		0.398	0.32	0.147	0.256	0.213	0.242	0.13	0.025
A002866_01		-0.336 NA		-0.129 NA	NA		0.158 NA	NA	
A002869_01		0.272	0.325	0.013	0.015	0.027	0.155	-0.298	-0.2
A002871_01		0.235	0.014	-0.247	-0.243	0.149	0.149	0.465	0.358
A002875_01		0.101 NA		0.01	0.119	-0.491	-0.565 NA	NA	
A002881_01		-0.013 NA	NA		0.161 NA		-0.864 NA	NA	
A002895_01		-0.273	-0.47	0.215	0.243	0.16	0.143	0.191	0.217
A002896_01		-0.137	-0.175	-0.148 NA		0.083	-0.033 NA		0.126
A002898_01		0.161 NA		-0.151	-0.1	0.384	0.524 NA		0.229
A002901_01		0.053 NA		-0.079	-0.049 NA		-0.29	0.149	0.087
A002902_01	NA		0.155	-0.184	-0.261	0.367	0.242	-0.039	0.116
A002904_01		0.203	0.169	-0.144	-0.058	-0.08	-0.191	0.146	0.091
A002907_01		-0.217	-0.231	0.117	0.128	0.072	0.118	0.312	0.264
A002908_01	NA		-0.128	0.237	0.078	-0.109	-0.034	-0.127	0.079
A002916_01		0.504	0.711	-0.036	0.152	-0.162	-0.293	0.046	0.062
A002917_01		0.189	0.227	-0.323	-0.028	-0.586	-0.686	-0.325	-0.307
A002919_01		-0.043	0.103	0.138	0.15	0.155	0.38	0.044	0.2
A002922_01		0.002	0.074	-0.168	-0.155	0.49	0.735	0.069	0.167
A002923_01		-0.054	0.511	-0.207	-0.248	0.735	1.05	0.319	0.825
A002934_01		0.039 NA		-0.047	0.07	0.121	0.123 NA		0.07
A002939_01	NA		0.055	-0.118	-0.035 NA		-0.129	0.106	0.127
A002940_01		0.022	-0.072	0.099	0.253	0.242	0.15	0.205	0.137
A002946_01		-0.257	-0.403	0.354	0.447	-0.587	-0.464	0.052	-0.107
A002950_01		0.179	0.132	-0.007	0.175	0.592	0.86	0.092	0.22
A002952_01		0.058	0.185	-0.214	-0.352	0.253	0.219	-0.148	-0.058
A002955_01		0.059 NA		-0.142	-0.007 NA		-0.216	-0.069	-0.162
A002958_01		0.014 NA		0.422	0.601 NA	NA	NA		-0.087
A002977_01		-0.124	-0.217	-0.206	-0.13	-0.121	-0.144	0.184	0.039
A002982_01		0.249 NA		-0.012	-0.079	-0.245	-0.391	0.177	-0.107
A002988_01		-0.123	0.023	0.038 NA		1.158	1.595 NA	NA	
A002991_01		-0.181	-0.272	-0.332	-0.236	-0.313	-0.178	-0.049	0.028
A002993_01		-0.022	0.165	0.151	-0.06	0.255	0.247	-0.005	0.151
A002997_01		-0.204 NA		-0.065	0.079	0.121	0.22 NA		0.574
A002998_01		0.205	0.171	0.194	0.31	0.079	0.032	0.138	0.115
A002999_01		-0.414	-0.397	-0.92	-0.777	-0.694	-0.61	-1.578	-1.215
A003001_01		0.235	0.075	-0.158	-0.08	0.062	-0.011	0.186	-0.014
A003003_01		-0.129	-0.048	-0.153	-0.203	-0.046	0.097 NA	NA	
A003004_01		-0.179	0.104	0.01	-0.016	0.347	0.542	-0.047	-0.013
A003006_01		-0.275	-0.33	-0.14	0.06	-0.539	-0.695	0.174	0.084
A003011_01		0.107	0.02	-0.121	-0.129	0.252	0.354	0.195	0.366
A003012_01		0.043 NA		0.111	0.349	0.382	0.526	0.223	0.194
A003016_01		-0.098	-0.014	-0.426	-0.278	0.277	0.545	0.26	0.506
A003018_01		-0.502	-0.322	-0.532	-0.366	0.146	0.618	0.008	0.379
A003023_01		0.195	0.211	0.178	-0.104	0.078	0.054	-0.261	-0.152
A003024_01		0.305	0.416	-0.007	-0.05	0.048	-0.01	-0.677	-0.481
A003029_01		-0.217	-0.058	-0.248	-0.207	0.066	0.368	-0.183	0.085
A003034_01	NA	NA		-0.164	-0.073 NA		-0.01	-0.563 NA	
A003036_01		-0.017	0.284	0.184	0.402	-0.372	-0.328	-0.207	-0.032
A003037_01		-0.044 NA		-0.276	0.01	0.401	0.653 NA		0.376
A003039_01		0.482	0.891	0.142	0.184 NA		-0.101 NA		0.137
A003042_01		-0.041	0	0.176	-0.07	0.08	0.05	-0.041	0.209
A003045_01		-0.307	-0.024	-0.378	-0.327	-0.183	-0.276	0.04	0.161
A003050_01		0.04 NA		-0.057	-0.009	0.026	0.007	0.127	0.201

A003054_01	0.035	-0.047	-0.289	-0.056	-0.074	0.08	0.052	0.046
A003055_01	-0.286	-0.393	0.162	0.257	0.155	0.146	0.056	0.054
A003056_01	-0.009	-0.153	-0.331	-0.196	-0.131	-0.197	0.398	0.403
A003058_01	0.152	0.085	-0.173	-0.314	-0.024	-0.197	-0.077	0.115
A003059_01	-0.596	-0.237	0.139	0.004	0.346	0.438	-0.152	0.136
A003060_01	-0.313 NA		0.888	1.026	0.554	0.817	-0.233	-0.284
A003070_01	-1.581	-1.347 NA	NA		0.98	1.339 NA	NA	
A003078_01	-0.13	-0.024	-0.095	-0.01	-0.573	-0.571	-0.299	0.372
A003079_01	-0.038	-0.022	-0.258	-0.145	-0.077	-0.022	-0.004	0.172
A003084_01	-0.147	0.03	-1.029	-0.521	-0.636	-0.743	0.061	0.132
A003092_01	0.002 NA	NA		-0.396 NA		0.109 NA	NA	
A003101_01	-1.216	-0.852	0.54	0.63	0.85	1.106	0.149	0.115
A003106_01	-0.121	0.138	0.019	-0.054	0.071	0.276	-0.14	0.026
A003107_01	-0.806 NA		0.347	0.399	0.353	0.503 NA		-0.262
A003109_01	0.384	0.41	-0.061	-0.052	0.084	-0.099	-0.452	-0.386
A003110_01	0.277	0.439	0.016	0.071	0.251	0.275 NA	NA	
A003112_01	-0.177	-0.102	-0.151	-0.089	0.02	0.265	0.164	0.305
A003113_01	0.04 NA		-0.176	0.088	0.083	0.09 NA	NA	
A003114_01	0.274	0.038	0.426	0.471	0.395	0.33	-0.228	-0.365
A003117_01	0.098	0.025	-0.031	-0.191	0.295	0.285	0.241	0.207
A003121_01	0.283	0.108	-0.27	-0.154	-0.146	-0.34	-0.109	-0.263
A003124_01	-0.086 NA	NA		-0.315 NA	NA	NA		0.167
A003130_01	-0.089 NA		0.024	-0.102 NA	NA		-0.162	0.079
A003131_01	-0.09 NA		0.098	0.221 NA	NA	NA		0.022
A003134_01	-0.124	-0.128	-0.435	-0.375	0.292	0.298	0.152	0.285
A003137_01	-0.033	0.021	0.042	0.231	-0.147	-0.037	-0.19	0.058
A003138_01	-0.219	-0.14	0.295	0.344	-0.872	-0.928	-0.482	-0.548
A003141_01	-0.06	0.017	0.046	0.182	0.536	0.821	0.215	0.303
A003148_01	-0.25 NA	NA	NA		0.492	0.525 NA		0.077
A003154_01	-0.299 NA		0.312	0.138	-0.645	-0.704 NA		-0.54
A003164_01	NA	0.289	0.062	0.069	0.135	0.204	0.213	0.379
A003170_01	-0.11	0.038	-0.092	0.029	-0.033	0.199 NA	NA	
A003174_01	0.279	0.244	-0.156	0.044	-0.421	-0.462	0.062	0.04
A003181_01	-0.221	-0.212	0.145	0.168	-0.55	-0.714 NA	NA	
A003184_01	0.117	0.277	0.146	0.134	-0.392	-0.585	-0.069	0.084
A003186_01	-0.139 NA		-0.257	-0.198 NA		-1.195 NA	NA	
A003189_01	-0.232	-0.031	-0.084	0.102	-0.119	-0.051	0.035	0.23
A003190_01	-0.212	-0.022	-0.046	0.066	-0.061	-0.108	0.065	0.153
A003194_01	-0.146	-0.285	-0.072	-0.109	-0.14	0.007	0.041 NA	
A003197_01	0.182	0.08	0.037	0.208	-0.149	-0.245	-0.002	0.029
A003198_01	-0.004	0.136	-0.181	-0.241	-0.05	-0.114	0.314	0.372
A003199_01	0.197	-0.022	-0.036	-0.054	-0.114	-0.334	0.141	0.016
A003207_01	-0.706	-0.432	0.084	0.142	0.427	0.652	-1.359	-1.307
A003208_01	0.09	0.222	0.095	0.113	-0.052	-0.122	-0.005	0.126
A003209_01	0.146	0.239	-0.082	0.127 NA		-0.076	0.061	0.238
A003213_01	0.242 NA		0.006	0.181 NA		0.094 NA	NA	
A003214_01	-0.154	-0.193	-0.064	0.107	-0.319	-0.134	-0.215	-0.243
A003217_01	0.416	0.418	0.141	0.106	-0.053	-0.177	-0.074	-0.02
A003222_01	-1.168 NA		0.184	0.425 NA		-0.944 NA		-0.67
A003235_01	-0.068	0.146	0.138	0.207	-0.253	-0.367	-0.196	-0.231
A003237_01	0.341 NA		0.603	0.788 NA		0.4	-0.725	-0.615
A003242_01	-0.345	-0.394	-0.621	-0.508	0.098	0.303	0.073	-0.002
A003245_01	-0.183	-0.042	-0.382	-0.308	0.121	0.098	0.322	0.279
A003250_01	-0.053	0.07	0.014	0.163	-0.423	-0.51 NA		-0.545
A003252_01	-0.078	-0.091	-0.149	-0.055	0.053	0.084	0.079	-0.007
A003263_01	0.004	-0.119	0.153	0.147	-0.148	-0.257	-0.331	-0.277
A003264_01	0.288	0.15	0.104	0.046	0.071	-0.058	-0.004	0.033
A003266_01	0.299	0.166	-0.653	-0.527	0.122	0.136 NA		-0.119
A003274_01	-0.003	-0.141	-0.09	0.068	-0.362	-0.243	0.105	0.144
A003276_01	-0.133	-0.04	0.217	0.149	-0.085	-0.242	-0.2	-0.298
A003277_01	-0.098	-0.143	0.077	0.043 NA		0.011	0.128	0.002
A003278_01	0.21	0.167	0.012	0.225	-0.161	-0.155	0.427	0.316
A003280_01	0.018	0.239	0.159	-0.023	-0.134	-0.2 NA		0.176
A003286_01	-0.158 NA		-0.195	-0.013	0.507	0.74	0.355	0.154
A003287_01	0.378	0.489	0.257	0.23	0.269	0.293	0.08	0.186
A003291_01	0.033	0.136	0.414	0.3	-0.748	-0.97	-0.188	-0.279
A003294_01	-0.26	-0.176	0.54	0.604	-0.613	-0.775	-0.508	-0.548
A003299_01	0.262	0.188	-0.136	-0.006	0.164	0.216	0.131	0.135

A003304_01	-0.008	NA	-0.083	-0.045	NA	NA	-0.002	0.078
A003311_01	-0.008	NA	0.03	-0.117	NA	-0.414	-0.041	-0.068
A003317_01	-0.05	NA	0.329	0.122	NA	0.515	NA	0.143
A003329_01	-0.129	0.129	-0.105	0.258	0.332	0.465	-0.049	0.065
A003333_01	-0.197	-0.069	-0.409	-0.032	-0.306	-0.258	NA	-0.02
A003337_01	-0.611	-0.509	0.421	0.422	1.02	1.417	0.44	0.593
A003339_01	-0.097	NA	0.108	-0.049	-0.078	-0.095	0.045	0.012
A003351_01	-0.086	0.146	-0.1	0.084	-0.001	0.144	-0.205	-0.075
A003354_01	-0.338	-0.264	-0.151	-0.058	-0.698	-0.921	-0.012	-0.117
A003359_01	-0.308	NA	0.028	0.143	-1.118	-1.026	NA	NA
A003360_01	-0.313	-0.21	0.237	0.205	-1.121	-1.161	-0.636	-0.555
A003365_01	-0.328	-0.141	-0.387	-0.476	0.068	0.179	-0.124	0.032
A003366_01	-0.122	-0.243	-0.3	-0.359	NA	-0.227	-0.01	0.082
A003367_01	-0.48	-0.383	-0.095	-0.08	-0.316	-0.244	-0.105	-0.001
A003370_01	0.006	-0.031	-0.027	-0.056	-0.014	-0.012	0.002	-0.096
A003371_01	-0.138	0.165	0.051	0.082	-0.08	0.079	0.027	0.248
A003373_01	0.045	NA	0.152	0.185	-0.679	-0.611	0.054	0.189
A003377_01	-0.272	-0.164	-0.234	-0.183	-0.047	0.066	-0.207	-0.037
A003381_01	0.058	NA	-0.001	0.028	NA	0.226	NA	0.121
A003382_01	0.066	0.135	-0.043	0.088	0.067	0.194	-0.141	0.049
A003383_01	-0.041	0.106	0.105	0.235	-0.008	0.031	0.058	0.257
A003385_01	-0.638	NA	-0.028	-0.084	-0.764	-0.773	-0.728	-0.671
A003387_01	-0.042	-0.037	0.004	0.121	-0.127	-0.144	0.061	0.025
A003388_01	0.124	0.039	-0.134	-0.268	0.177	-0.049	0.224	0.082
A003389_01	-0.394	-0.231	0.309	0.092	-1.742	-1.986	-0.424	-0.287
A003393_01	-0.091	0.131	-0.004	-0.005	0.062	0.115	-0.091	-0.009
A003394_01	0.084	0.09	0.344	0.353	-0.145	-0.177	-0.256	-0.269
A003395_01	-0.04	-0.013	0.142	0.188	0.653	0.838	-0.022	0.005
A003398_01	0.063	0.031	-0.26	-0.249	0.144	0.281	0.141	0.1
A003404_01	0.266	NA	-0.004	0.129	NA	NA	0.173	-0.002
A003405_01	0.102	NA	-0.105	-0.053	NA	0.419	-0.09	0
A003406_01	0.1	0.048	-0.146	-0.065	0.308	0.21	0.087	-0.061
A003408_01	-0.309	-0.206	-0.088	-0.115	0.092	0.137	NA	NA
A003409_01	-0.29	-0.353	0.062	0.016	-0.026	0	0.086	0.044
A003410_01	0.038	0.078	0.123	0.149	-0.081	0.033	-0.178	-0.204
A003411_01	0.095	0.245	-0.121	-0.122	-0.537	-0.667	-0.448	-0.404
A003412_01	0.376	0.321	-0.251	-0.291	-0.576	-0.803	-0.443	-0.53
A003418_01	-0.337	-0.388	-0.098	-0.244	0.306	0.431	0.414	0.569
A003419_01	-0.399	-0.273	-0.171	-0.236	0.2	0.292	0.366	0.421
A003423_01	-1.486	-1.469	0.903	0.767	1.596	2.043	1.066	1.118
A003425_01	0.25	0.24	-0.034	-0.097	0.154	-0.03	-0.067	-0.074
A003428_01	-0.147	NA	-0.273	0.08	0.228	0.536	NA	NA
A003431_01	0.656	0.45	-0.348	-0.016	0.472	0.444	0.573	0.417
A003433_01	0.244	0.206	-0.216	-0.211	-0.093	0.065	0.128	0.315
A003434_01	0.183	0.167	-0.24	-0.212	0.318	0.358	0.268	0.304
A003440_01	0.133	0.144	-0.184	0.019	0.03	0.078	-0.074	-0.059
A003443_01	NA	NA	0.298	0.188	NA	0.209	NA	NA
A003444_01	0.004	NA	-0.436	-0.313	0.041	0.071	NA	0.232
A003446_01	0.159	0.232	-0.279	-0.148	-0.066	0.059	-0.12	0.009
A003448_01	0.201	NA	-0.004	-0.121	NA	NA	0.194	0.074
A003456_01	0.062	NA	-0.175	-0.111	NA	NA	NA	0.173
A003458_01	0.053	0.071	-0.139	0.057	0.333	0.45	-0.085	0.124
A003460_01	0.143	0.078	0.276	0.174	-0.22	-0.444	-0.09	-0.032
A003465_01	0.23	NA	-0.17	0.289	0.093	0.129	NA	NA
A003467_01	0.148	0.213	-0.237	-0.113	-0.496	-0.675	NA	NA
A003468_01	0.072	0.042	-0.013	-0.125	0.197	0.09	0.084	0.024
A003470_01	0.147	NA	-0.18	-0.086	0.225	0.438	-0.074	0.092
A003471_01	-0.166	NA	NA	-0.061	0.027	0.024	NA	NA
A003472_01	-0.139	-0.114	0.021	0.02	0.072	-0.014	-0.049	-0.071
A003475_01	-0.07	0.118	-0.678	-0.395	0.276	0.472	0.069	0.229
A003478_01	0.148	0.273	-0.027	-0.069	0.114	0.232	-0.016	0.351
A003480_01	0.563	0.698	0.345	0.182	0.691	0.745	NA	-0.082
A003483_01	0.004	0.022	-0.051	-0.088	0.04	-0.091	-0.035	-0.013
A003486_01	-0.389	NA	-0.183	-0.048	-0.245	-0.299	NA	0.082
A003488_01	0.089	0.124	0.057	0.086	0.256	0.206	0.107	0.221
A003493_01	0.241	NA	-0.408	-0.078	0.221	0.362	0.149	-0.007
A003497_01	0.031	0.158	-0.078	0.107	0.377	0.58	0.219	0.328
A003500_01	0.134	0.054	-0.19	0.006	-0.164	-0.092	-0.385	NA

A003501_01		0.145	0.073	-0.046	-0.085	0.129	0.086	-0.06	0.034
A003503_01		0.004	-0.065	-0.017	0.004	0.453	0.523	0.338	0.323
A003510_01		0.288	0.383	-0.359	-0.298	-0.3	-0.566	0.074	-0.01
A003512_01		-0.045	0.198	0.246	0.166	-0.181	-0.079	-0.176	0.009
A003513_01		-0.092	-0.002	0.159	0.096	0.087	0.164	-0.367	-0.172
A003518_01		0.125	0.044	0.045	0.021	0.245	0.364	-0.041	-0.099
A003522_01		-0.07 NA		-0.147	-0.187 NA		-0.22 NA		0.249
A003523_01		-0.479	-0.356	-0.129	-0.089	-0.58	-0.452	-0.582 NA	
A003528_01		-0.12	-0.035	-0.131	-0.148	0.373	0.501	-0.04	0.047
A003530_01		0.197	0.255	-0.191	0.085	-0.004	0.21	-0.072	0.061
A003533_01		-0.123	-0.182	0.067	0.134	0.134	0.318	0.146	0.236
A003535_01		0.089	-0.104	-0.813	-0.438	-0.137	-0.103 NA		-0.09
A003536_01		0.145	0.429	-0.004	0.211	0.073	0.183 NA	NA	
A003537_01		-0.178	0	-0.53	-0.611	0.417	0.572	0.302	0.406
A003538_01		0.399	0.192	-0.137	-0.021	0.178	0.085	0.07	-0.011
A003540_01		0.237	0.411	0.049	0.03	0.194	0.32	-0.135	0.075
A003544_01	NA		0.319	0.409	0.16 NA		-0.006	-0.095	-0.135
A003547_01	NA	NA		-0.165	-0.079	-0.801	-0.846	-0.1	-0.066
A003553_01		0.125	0.324	0.051	0.076	0.151	0.276	-0.018	0.154
A003554_01		-0.101	-0.239	-0.078	0.168	-0.666	-0.836	-0.095	-0.058
A003555_01		0.267	0.529	-0.369	0.017	-0.391	-0.445	0.424	0.539
A003556_01		0.064	0.137	0.182	0.263	0.399	0.348	0.182	0.2
A003560_01		0.329 NA		-0.323 NA	NA		0.307 NA	NA	
A003567_01		-0.264	-0.107	-0.55	-0.453	-1.164	-1.544	-0.524 NA	
A003574_01		0.075	-0.173	-0.417	-0.568	0.017	-0.29	0.341	0.225
A003576_01		-0.075	-0.126	-1.35	-1.205	0.551	0.737	-0.579	-0.551
A003588_01		-0.415	-0.221	-0.279	0.091	-0.474	-0.424	-0.123	0.036
A003599_01		-0.195 NA		-0.15	-0.05	0.052	0.109 NA		-0.007
A003604_01	NA		-0.034	0.166	0.023	-0.077	-0.074	-0.198	-0.144
A003606_01		0.177 NA		-0.341	-0.1	0.072	0.244 NA		0.187
A003607_01		-0.019 NA		-0.076	0.139 NA		-0.192 NA		-0.113
A003608_01		-0.228	-0.123	-0.066	-0.083	0.026	0.133	-0.041	0.182
A003610_01		-0.119	0.158	0.074	0.016	0.08	0.178	0.11	0.34
A003614_01		0.106	0.176	-0.251	-0.207	0.19	0.177	0.113	0.14
A003617_01		-0.413 NA		0.127	0.182	0.065	0.039 NA		-0.101
A003621_01	NA		0.195	-0.017	-0.105	-0.183	-0.257 NA	NA	
A003628_01		0.034 NA		-0.005	-0.074 NA	NA	NA		0.162
A003630_01		-0.447 NA		-0.39 NA	NA	NA	NA		0.105
A003633_01	NA		0.133	0.037	0.107	0.473	0.725	0.294	0.372
A003636_01		0.212 NA		-0.159	-0.116	0.064	0.067	0.198	0.148
A003637_01		-0.936	-0.903	-0.257	-0.415	-1.081	-1.098	-0.528	-0.342
A003641_01		-0.132	0.139	0.266	0.103	0.511	0.746	0.304	0.65
A003643_01		0.222 NA		-0.037	-0.043 NA		0.015	0.267	0.131
A003647_01		-1.989 NA		-0.54	-0.147	-2.072	-2.227 NA		-1.78
A003648_01		0.046 NA		-0.167	0.159 NA		-0.204 NA		-0.024
A003653_01		-0.082	0.073	-0.121	0.133	-0.329	-0.089	-0.311	0.066
A003655_01		-0.082	-0.136	-0.422	-0.238	-0.223	-0.249	0.132	0.16
A003656_01		-0.183	-0.177	-0.305	-0.156	-1.02	-0.883	0.153	-0.005
A003657_01	NA	NA		-0.113	-0.182 NA		0.158 NA	NA	
A003660_01		-0.488	-0.098	-0.252	-0.248	-0.817	-0.696	-0.28	-0.075
A003664_01		0.019	-0.138	-0.286	-0.037	0.138	0.059	0.178	-0.116
A003665_01		-0.18 NA		-0.175	-0.117	0.02	0.022	0.075	0.194
A003667_01		-0.374 NA		-0.826	-0.287 NA		-0.208	0.29	0.421
A003668_01		0.067	0.191	0.08	-0.237	0.247	0.18	0.217	0.456
A003671_01	NA	NA		-0.157	0.124 NA		0.292	0.237	0.21
A003672_01		-0.193	0.081	0.187	0.383	0.071	0.301	-0.336	-0.117
A003673_01		-0.39	-0.214	0.088	0.05	-0.417	-0.375 NA		-0.072
A003675_01		0.248	0.665	0.414	0.222	0.264	0.114	0.137	0.219
A003676_01		-0.139 NA		-0.034 NA		0.105 NA	NA		0.244
A003678_01		0.299	0.145	0.073	0.036	0.151	-0.014	0.045	-0.15
A003679_01		0.048	-0.087	0.137	-0.2	-0.235	-0.453	-0.124	-0.069
A003681_01		-0.399	-0.181	0.212	0.313	-0.059	0.226	0.069	0.096
A003689_01		-0.052	-0.05	0.18	0.189	-0.313	-0.408	0.013	-0.061
A003690_01		-0.664 NA		0.268	0.382	-0.646	-0.444 NA		-0.083
A003691_01		-0.234	-0.059	-0.475	-0.151	0.281	0.79 NA		0.462
A003694_01		-0.262	-0.328	-0.088	0.023	-0.923	-1.002	-0.288	-0.216
A003695_01		0.246 NA		-0.645	-0.595 NA	NA		0.516	0.428
A003696_01		-0.051	0.043	-0.114	-0.005	0.33	0.373	0.258	0.228

A003698_01	-0.532 NA		-0.322	-0.276 NA		-0.98 NA		-0.208
A003703_01	-0.308	-0.239	0.14	0.212	0.503	0.842	0.432	0.462
A003706_01	-0.126 NA		-0.242 NA		0.044	0.244 NA	NA	
A003710_01	0.017	0.082	0.2	0.236	-0.214	-0.272	-0.131	-0.168
A003714_01	0.393 NA		-0.163	0.209 NA		-0.093	0.09	0.005
A003716_01	0.257	0.235	0.307	0.354 NA		-1.505 NA	NA	
A003719_01	0.291 NA		-0.393	-0.195	0.263	0.443	0.496	0.486
A003720_01	0.425	0.183	0.376	0.418	0.346	0.387	0.096	-0.081
A003732_01	-0.18 NA		-0.305	-0.332	-0.162	0.049	-0.519	-0.243
A003736_01	0.329 NA		-0.092	-0.151 NA		-0.336	-0.094	0.086
A003737_01	-0.45 NA		-0.74	-0.594	0.248	0.601	-0.201	-0.043
A003743_01	-0.078	0.302	0.09	0.002	0.107	0.153 NA		0.175
A003744_01	0.16	0.059	-0.002	0.144	0.118	0.091 NA		0.078
A003750_01	-0.265	-0.006	-0.494	-0.248	0.028	0.435	-0.163	0.007
A003753_01	-0.056 NA		-0.027	-0.084	0.103	0.074	0.096	0.113
A003754_01	-0.361 NA		-0.237	-0.224	-0.203	-0.069	-0.062	0.199
A003755_01	0.086	0.127	-0.123	0.075	-0.102	0.013	-0.11	0.016
A003756_01	0.08 NA		-0.095	-0.16 NA		0.141 NA		0.203
A003762_01	0.099	-0.044	-0.252	-0.171	-0.436	-0.631	0.145	-0.085
A003767_01	-0.197	0.002	-0.269	-0.276	0.011	0.106 NA		0.076
A003773_01	0.133	-0.061	-0.105	0.024	0.065	0.119	0.083	-0.08
A003775_01	-0.103	-0.133	-0.578	-0.303	-0.204	-0.183	0.001	0.041
A003789_01	0.281	0.168	-0.455	-0.399	0.018	0.008	0.294	0.318
A003800_01	-0.44	-0.347	-0.09	-0.019 NA		-1.255	0.065	0.112
A003802_01	-0.067 NA		-0.317	-0.048	0.103	0.057	0.205	0.1
A003803_01	0.187	0.389	-0.187	-0.054	-0.043	0.008	-0.04	0.286
A003804_01	0.28	0.44	0.348	0.461	1.074	1.282	0.635	0.981
A003808_01	0.155	0.111	0.37	0.405	-0.325	-0.307	0.187	0.291
A003809_01	-0.058	-0.048	-0.245	-0.044	-0.162	-0.23 NA	NA	
A003817_01	-0.535	-0.606 NA	NA		-0.37	-0.837 NA	NA	
A003820_01	-0.257	-0.022	0.255	0.067	0.038	0.184 NA		0.183
A003825_01	0.037	0.059	-0.521	-0.412	-0.802	-0.904	-0.215	-0.128
A003826_01	-0.02 NA		-0.207	-0.048 NA		0.138 NA		0.043
A003827_01	-0.166 NA		-0.014	0.116	0.117	0.556	-0.051	0.358
A003829_01	-0.061	-0.032	-0.142	-0.243	0.196	0.511	-0.051	0.103
A003844_01	-3.423	-2.698	-0.641	-0.801	-4.036	-4.346	-3.053	-2.668
A003846_01	0.037	-0.008	-0.165	-0.016	-0.377	-0.321	-0.192	-0.015
A003849_01	0.18 NA		0.078	0.328 NA		-0.043	-0.282	-0.057
A003851_01	0.169	0.48	0.268	0.298	-0.028	0.052	-0.384	-0.208
A003854_01	0.149	0.108	0.089	0.292	0.063	-0.047	-0.221	-0.162
A003860_01	0.004 NA		-0.2	-0.054 NA		-0.522 NA		-0.17
A003861_01	0.156 NA		-0.136	-0.236	0.312	0.352	0.46	0.237
A003863_01	-0.174	0.013	0.144	0.156	-0.565	-0.389 NA	NA	
A003864_01	0.194 NA		-0.024	-0.021 NA		-0.188	0.094	0.103
A003869_01	0.059	0.19	0.089	0.202	0.041	0.288	-0.073	-0.036
A003872_01	-0.234	-0.357	-0.178	-0.147	0.721	0.95	-0.359	-0.351
A003875_01	-0.166	0.027	-0.025	0.101	0.34	0.637	-0.187	0.226
A003876_01	-0.092	0.045	-0.134	0.042	-0.005	0.215 NA	NA	
A003885_01	0.001 NA		0.153	-0.05	-0.005	-0.036	0.209	0.252
A003889_01	0.34	0.48	0.505	0.422 NA		-0.337	-0.103	-0.073
A003898_01	-0.021	-0.018	-0.3	-0.17	0.022	0.044	0.079	0.053
A003910_01	0.017	0.076	0.207	0.234	-0.566	-0.579	0.056	-0.289
A003914_01	-0.139	-0.066	-0.228	-0.138	0.079	0.247	0.104	0.134
A003915_01	-0.074	0.051	0.051	-0.012	0.366	0.583	0.224	0.333
A003921_01	-0.41	-0.111	-0.207	-0.019	-0.742	-0.548	-0.485	-0.282
A003925_01	0.145	0.125	-0.142	0.036	0.389	0.456	-0.035	0.065
A003926_01	-0.04 NA		-0.161	0.009	-0.033	0.137	-0.023	0.221
A003932_01	-0.662 NA		0.024	0.186 NA		0.127 NA		-0.244
A003933_01	0.11	0.436	-0.076	-0.199	0.233	0.506	-0.201	0.236
A003940_01	0.232 NA		-0.011 NA	NA		0.423 NA	NA	
A003947_01	-0.085	-0.148	-0.42 NA		-0.066	0.134 NA	NA	
A003948_01	NA	-0.306	0.263	0.079	0.049	-0.058	-0.031	-0.016
A003952_01	-0.543 NA	NA		0.375 NA		-0.26 NA	NA	
A003958_01	0.118 NA		-0.315	-0.05	0.077	0.25 NA	NA	
A003959_01	0.19	0.178	-0.15	-0.046	0.207	0.334	-0.193	-0.055
A003960_01	NA	-0.357	-1.171	-0.945	-0.227	-0.055	-0.136	0.06
A003961_01	-0.296 NA		-0.301 NA	NA		-0.141 NA	NA	
A003965_01	0.402	0.299	0.011	0.032	0.267	0.282 NA	NA	

A003968_01		-0.212	-0.161	-0.326	-0.188	0.042	0.38	-0.079	-0.097
A003969_01		-0.376	0.048	-0.221	-0.107	0.624	1.051	0.042	0.277
A003974_01		-0.039 NA		-0.219	-0.065	0.439	0.47	0.096	0.103
A003979_01		-0.226 NA		-0.26	-0.101	-0.419	-0.567	0.056	-0.017
A003982_01		-0.79 NA		0.023 NA		0.883	1.274	0.516	0.7
A003984_01		-0.183	-0.115	-0.202	-0.286	0.145	0.25	0.094	0.242
A003989_01		0.471	0.972	-0.552	-0.574	0.383	0.428	0.539	0.939
A003991_01		0.303	0.065	0.075	0.144	-0.112	-0.22 NA		0.186
A003997_01		-1.146 NA		-0.424	-0.212	0.736	1.065	0.455	0.518
A004000_01		-0.005	-0.117	-0.329	-0.063	0.216	0.499	0.055	0.022
A004003_01		-0.209 NA		-0.054	0.214	0.498	0.76	0.005	0.043
A004018_01	NA		-0.109	0.287	0.208	0.768	0.75	-0.095	-0.091
A004026_01		-0.065	0.232	-0.097	0.021	-0.107	-0.229	-0.058	0.223
A004038_01		-0.428	0.078	-0.421	-0.336	0.236	0.652	-0.111	0.561
A004039_01		0.008	0.048	-0.019	-0.112	0.364	0.394	-0.151	-0.121
A004044_01		-0.102	0.153	-0.138	-0.258	0.145	0.168	0.072	0.417
A004045_01		-0.01	-0.048	-0.155	-0.279	0.328	0.363	0.12	0.238
A004048_01	NA		0.497	0.215	-0.113	0.144	-0.097	0.09	0.165
A004058_01		0.235	0.115	0.203	0.254	0.253	0.324	0.04	-0.062
A004098_01		-0.062	0.075	-0.159	0.188	-0.075	-0.124 NA		0.118
A004103_01		-0.118	-0.035	-0.104	0.1	-0.06	0.062 NA		0.033
A004107_01		0.438	0.846	0.693	0.608	-0.014	-0.103 NA	NA	
A004121_01		-0.636	-0.228	-0.254	-0.271	-0.632	-0.437	-0.381	-0.197
A004122_01		-0.213	-0.136	0.065	0.157	0.101	0.203	0.094	0.215
A004144_01		0.104	-0.093	-0.013	-0.139	0.228	0.126	-0.124	-0.173
A004145_01		0.009	0.316	-0.371 NA		-0.079	-0.1 NA		0.055
A004150_01		0.166	-0.007	0.098	0.02	-0.046	0.048	0.032	0.093
A004151_01		-0.004	0.351	-0.738	-0.246	-0.168	-0.088 NA		0.249
A004152_01		0.166	0.263	-0.205	-0.103	-0.034	-0.027	-0.116	-0.025
A004157_01		0.088	0.021	0.101	0.228	0.255	0.149	-0.185	-0.248
A004165_01		0.072	0	-0.182	-0.112	0.609	0.769	0.263	0.205
A004173_01		0.038	0.064	-0.263	-0.274	0.155	0.227	0.008	-0.078
A004175_01		0.193 NA		-0.176 NA		0.199	0.382 NA	NA	
A004177_01		-0.084 NA		-0.289 NA	NA		-0.56 NA		0.238
A004181_01		-0.545 NA		1.347	1.15	1.254	1.603	0.238	0.201
A004219_01		-0.197	-0.261	-0.09	0.023	0.048	0.116	0.188	0.254
A004221_01		-0.046	-0.079	0.024	0.241	0.382	0.5 NA	NA	
A004223_01		-0.064 NA		-0.496	0.019	-1.38	-1.265	-0.032	-0.01
A004225_01		-1.039	-1.147	0.82	0.725	1.396	1.872	0.604	0.631
A004236_01		0.137 NA		0.124	0.484 NA		-0.159	0.185	0.307
A004241_01		-0.06 NA		-0.169	0.05	-0.021	0.032 NA		-0.111
A004242_01		-0.014	0.027	0.009	0.199	-0.909	-0.845	-0.186	0.091
A004243_01		0.09	0.158	-0.209	-0.399	0.551	0.389	0.192	0.151
A004244_01		0.227	0.229	-0.087	-0.049	0.155	0.362	-0.102	0.069
A004253_01		0.086 NA		0.018	-0.063 NA	NA	NA		0.009
A004271_01		-0.385	-0.336	-0.013	0.042	-0.273	-0.348	-0.626	-0.514
A004272_01		-0.051	0.104	-0.193	-0.063	0.47	0.711	-0.095	-0.082
A004276_01		0.878	1.032	-0.436	-0.338	0.304	0.095	-0.048	0.033
A004281_01		0.25	0.286	0.349	0.186	0.021	-0.05	-0.456	-0.451
A004284_01		-1.273	-1.246	-0.499	-0.519 NA	NA		-1.168	-1.322
A004285_01		-0.34	-0.402	-0.721	-0.665	0.024	0.228	-0.3	-0.072
A004288_01		-0.083 NA		-0.117	-0.287	0.056	-0.057 NA		-0.028
A004289_01		0.191	0.44	0.14	0.456	0.558	0.624	-0.145	-0.01
A004290_01		0.053	-0.142	-0.315	-0.334	0.065	0.079	0.155	-0.04
A004300_01		0.227	0.138	0.209	0.136	-0.221	-0.426	-0.194	-0.175
A004305_01		-0.012	0.151	-0.038	-0.206	0.086	0.264	0.029	0.161
A004306_01		0.284 NA	NA		-0.529	0.606	0.553 NA		0.197
A004311_01		0.179 NA		-0.283	-0.052 NA	NA		-0.107	0.074
A004313_01		-0.267	-0.338	0.458	0.354	0.771	0.717	0.228	0.131
A004314_01		-0.574	-0.42	-1.484	-1.298	0.242	0.64	0.089	0.462
A004319_01		-0.112	-0.069	-0.141	0.091	-0.262	-0.381	0.061	0.065
A004320_01		-0.997	-0.788	-2.094	-1.759	-2.622	-3.116	-1.585	-1.862
A004325_01		0.149	0.027	0.16	0.203	-0.319	-0.504	0.043	-0.173
A004335_01		-0.367 NA		-0.173	-0.066 NA	NA	NA		-0.079
A004343_01		-0.023 NA		-0.119	-0.152	-0.138	-0.194	0.1	0.125
A004347_01		0.021	0.071	0.162	0.156	-0.181	-0.229	0.06	-0.057
A004349_01		0.105	0.155	0.219	0.021	-0.077	-0.063	-0.041	0.146
A004350_01		0.427	0.608	-0.244	-0.48	0.534	0.61	-0.205	0.14

A004359_01		0.079 NA		-0.005		-0.015 NA		NA		0.041		0.23
A004362_01		0.144 NA		-0.28 NA				-0.025		-0.024 NA		NA
A004378_01		0.122 NA		-0.03		0.036		0.182		0.147		0.013
A004382_01		0.138 NA		-0.209		-0.198		-0.127		0.026 NA		0.244
A004383_01		-0.052	0.213	-0.011		0.071		-0.02		0.124		-0.248
A004386_01		0.157	0.198	0.203		0.199		0.308		0.345		-0.112
A004392_01		-0.057 NA		0.015		0.026 NA				-0.059 NA		NA
A004393_01		0.277	0.049	-0.017		-0.086		0.436		0.495		0.203
A004396_01		-0.121	-0.114	0.016		-0.048		0.001		-0.04		0.088
A004397_01		0.249	-0.07	-0.189		-0.145		-0.04		-0.035		0.177
A004398_01		0.11	0.068	0.344		0.429		-0.028		-0.016		-0.14
A004404_01		-0.4	-0.293	-0.864		-0.586		0.239		0.735		0.224
A004406_01		-0.051 NA		0.205		0.087		0.036		0.16 NA		0.146
A004407_01		-0.022	0.005	0.235		0.225		-1.076		-1.23		-0.214
A004408_01		0.944	0.957	0.128		-0.048		-0.985		-1.096		0.285
A004413_01		0.265	0.442	0.071		0.297		0.292		0.373		-0.024
A004417_01		-0.441	-0.325	0.006		-0.261		0.499		0.434		-0.234
A004424_01		0.236 NA		-0.051		-0.059		-0.245		-0.39 NA		-0.166
A004425_01		-0.057	0.062	-0.264		-0.26		0.144		0.163 NA		NA
A004426_01		0.034	0.147	-0.082		0.046		-0.072		0.079		-0.069
A004429_01		0.091	0.033	-0.038		-0.131		0.383		0.325		-0.009
A004431_01		-0.794 NA		-0.811		-0.707		-0.313		-0.394		-0.661
A004434_01		0.24	0.3	0.179		0.171		-0.03		-0.017		-0.177
A004437_01		0.221	0.62	-0.547		-0.53		0.42		0.483		0.185
A004439_01		0.174	-0.034	-0.129		0.007		-0.344		-0.503		-0.104
A004442_01		-0.547	0.1	-0.305		-0.351		0.461		1.113 NA		0.419
A004448_01		0.231	0.098	0.67		0.512		-0.031		-0.15		-0.198
A004449_01		0.34 NA		-0.052		0.03 NA				-0.009		0.041
A004451_01		0.024	-0.004	0.111		0.025		-0.392		-0.597		-0.079
A004452_01		0.058 NA		0.023		0.352 NA				-0.317		-0.048
A004454_01		-0.01	-0.083	-0.212		-0.105		-1.014		-0.921		-0.203
A004456_01		-0.144	-0.106	-0.297		-0.334		0.092		0.106		0.414
A004458_01		0.281	0.194	-0.139		-0.2		0.792		0.901		0.238
A004461_01		-0.604	-0.54	-0.027		-0.07		0.226		0.417		-0.061
A004462_01		0.092	0.072	-0.058		-0.01		0.096		0.118		0.295
A004464_01		0.282	0.436	0.056		0.094		-0.183		-0.139		0.03
A004466_01		-0.166 NA		-0.16		-0.133		0.046		0.215 NA		0.052
A004467_01		0.046 NA		-0.199		-0.067 NA				-0.022		0.101
A004468_01		0.13	-0.103	0.15		0.131		-0.146		-0.649		-0.124
A004469_01		-0.408	-0.604 NA			-1.048		-0.819		-0.738 NA		NA
A004470_01		-0.389	-0.344	-0.166		-0.003		0.396		0.657		-0.08
A004472_01		0.085 NA		0.213		0.045 NA						-0.001
A004474_01	NA	NA		-0.275		-0.054 NA				0.057		0.215
A004481_01		-0.011	-0.05	0.004		0.118		-0.301		-0.261		-0.227
A004483_01		-0.018	0.158	0.123		0.13		0.05		0.008		-0.1
A004484_01		-0.169 NA		0.047		-0.008		0.315		0.698		0.302
A004488_01	NA	NA		0.061		0.076 NA				-0.221 NA		NA
A004489_01		0.489	0.412	0.077		0.104		0.153		0.223		0.083
A004491_01		-0.105	0.267	-0.076		-0.074		0.332		0.427		0.234
A004493_01		0.058 NA		0.003		-0.055 NA				0.692		0.116
A004494_01		0.117	0.222	-0.12		-0.187		0.175		0.098		-0.021
A004495_01		0.502	0.625	0.348		0.337		0.337		0.261		0.055
A004497_01		-0.201 NA		0.202		0.091		0.056		-0.085		-0.304
A004498_01		-0.315	0.127	-0.181		-0.152		0.132		0.348		-0.177
A004502_01		0.555	0.48	0.2		0.18		-0.563		-0.792		-0.181
A004505_01		-0.297	-0.237	-0.27		-0.147		-0.054		-0.096		0.159
A004509_01		0.175	0.204	-0.034		-0.044		0.128		0.057		-0.052
A004511_01		0.087	0.137	-0.288		-0.313		0.117		0.138		-0.017
A004514_01		-0.091	-0.212	0.191		0.359		-0.179		-0.062		-0.269
A004515_01		-0.273 NA		0.367		0.33 NA				0.018 NA		-0.069
A004519_01		-0.022	0.393	0.354		0.191		-0.274		-0.212		-0.163
A004520_01		0.282	0.106	0.094		0.092		-0.127		-0.137		-0.065
A004522_01		-0.036 NA		-0.211		-0.042		0.073		0.202 NA		0.111
A004523_01		0.239	0.008	0.106		0.049		0.097		0.009		0.03
A004524_01		0.023	0.191	-0.168		-0.282		0.051		0.218 NA		NA
A004526_01		-0.142	-0.132	-0.056		-0.112		-0.432		-0.419		-0.293
A004527_01		0.271	0.357	0.382		0.251		0.144		-0.044		-0.15
A004528_01		0.153	0.218	-0.046		-0.089		-0.189		-0.54		-0.066

A004534_01		0.256	0.079	0.153	0.229	0.195	0.176	-0.029	-0.16
A004537_01		-0.531	-0.204	-0.306	-0.408	0.035	0.184	-0.53	-0.254
A004541_01		-0.085	0.294	0.178	0.16	0.174	0.18	-0.182	0.064
A004542_01		0.114	0.081	-0.244	0.048	-0.331	-0.409	-0.054	-0.08
A004545_01		-0.123	-0.08	-0.016	-0.012	0.563	0.829	0.205	0.207
A004548_01		0.002	0	-0.15	0.196	-0.205	-0.179	0.305	0.38
A004549_01		-0.206	-0.186	0.088	0.121	-0.14	0.016	0.062	0.129
A004553_01		-0.089	0.223	-0.265	-0.15	-0.109	-0.049	-0.224	0.089
A004557_01		-0.516	-0.363	-0.003	-0.033	-0.196	0.009	-0.242	-0.014
A004558_01		-0.344	-0.244	-0.312	-0.245	-0.245	-0.292	0.111	0.031
A004559_01		-0.128 NA		-0.117	-0.009 NA		-0.233 NA		0.03
A004560_01		-0.11	-0.197	-0.32	-0.197 NA		-0.152	-0.2	-0.224
A004576_01		-0.064	-0.125	-0.144	-0.259	0.07	0.075	0.009	0.024
A004577_01		0.211	0.436	0.043	0.113	0.119	0.096 NA	NA	
A004578_01		-0.161 NA		-0.058	-0.11 NA	NA	NA		0.26
A004582_01		-0.287	-0.051	0.072	0.145	-0.028	0.064	-0.296	-0.114
A004587_01		0.492	0.419	-0.218	-0.118	0.249	0.382	0.24	0.343
A004588_01		0.304	0.293	-0.409	-0.506	0.42	0.462	0.438	0.48
A004593_01		-0.231	-0.204	-0.289	0.003	-0.258	-0.141	0.005	0.157
A004594_01		0.026	-0.057	0.469	0.372	0.368	0.241	-0.254	-0.249
A004596_01		-0.036	0.131	-0.224	-0.04	-0.023	-0.204	-0.066	0.024
A004597_01		0.201	0.184	0.057	0.117	0.89	1.004	0.113	0.219
A004598_01		0.067	-0.043	-0.327	-0.004	0.085	0.271	0.069	0.103
A004599_01		0.105 NA		-0.044	0.033	-0.469	-0.542	0.015	-0.12
A004602_01		0.028	-0.165	0.133	0.08	-0.06	-0.023	0.007	-0.192
A004603_01		-0.078	-0.099	0.008	0.269	-0.085	0.209	-0.179	0.034
A004604_01		-0.338 NA		-1.197	-0.861	0.398	0.344 NA		-0.67
A004609_01	NA		-0.111	-0.185	0.007	-0.331	-0.148 NA		0.177
A004610_01		0.036	0.219	0.222	0.123	-0.135	-0.167	-0.056	-0.002
A004612_01		0.398	0.723	-0.44	-0.423	0.164	0.403	0.01	0.562
A004615_01	NA	NA		-0.179	0.148	0.056	0.037 NA		0.177
A004616_01		0.108	0.122	-0.135	-0.053	0.243	0.237	0.303	0.221
A004617_01		0.006	0.053	-0.339	-0.337	-0.149	-0.257	0.035	0.125
A004618_01		0.365	0.439	0.114	0.29	-0.408	-0.656	-0.058	-0.079
A004619_01		0.184 NA		0.312	0.192 NA		-0.935	0.032	-0.165
A004620_01		-0.085 NA		-0.044	0.405	-0.132	-0.135 NA	NA	
A004622_01		-2.761	-2.321 NA	NA		-3.848	-4.817 NA	NA	
A004623_01		0.112	0.199	0.016	0.025	0.259	0.13	0.063	0.018
A004629_01		0.015	0.046	-0.09	0.006	-0.613	-0.717	0.016	-0.039
A004630_01		-0.355	-0.388	0.001	-0.069	-0.178	-0.214	0.018	0.079
A004634_01		-0.163	0.359	-0.423	-0.541	0.312	0.74	-0.503	0.065
A004635_01		0.08 NA		0.008	0.203	0.156	0.19 NA	NA	
A004636_01		-0.188	-0.05	-0.186	-0.29	0.374	0.418	0.114 NA	
A004637_01		-0.569	-0.369	0.095	0.136 NA		-0.568	-0.189 NA	
A004644_01		0.173	-0.028	-0.14	0.082	-0.097	-0.219	0.191	-0.018
A004645_01		0.053	0.108	-0.078	0.293	-0.283	-0.345	-0.279	-0.448
A004646_01		-0.632	-0.594	-0.481	-0.288	0.031	0.257	0.153	0.273
A004649_01		-0.112	-0.073	-0.223	-0.181	0.159	0.254	0.029	0.094
A004650_01		-0.11 NA		0.199	0.245	-0.124	-0.068	-0.163	-0.147
A004652_01	NA	NA		-0.253	0.015 NA	NA	NA		-0.282
A004653_01		0.158 NA	NA	NA	NA		-0.008 NA	NA	
A004656_01		0.284	0.326	0.618	0.601	0.108	-0.041	-0.263	-0.222
A004657_01		-0.28	-0.205	-0.411	-0.08	-0.345	-0.314	-0.352 NA	
A004659_01		0.195	0.097	0.124	0.019	0.218	0.172	0.192	0.198
A004664_01		0.22	0.044	0.196	0.112	0.231	0.226	0.311	0.243
A004669_01		0.041	0	0.27	0.201	0.289	0.29	-0.08	0.21
A004670_01		0.289	-0.034	-0.171	-0.139	0.157	-0.017	0.098	0.046
A004671_01		-0.144	0.048	0.083	0.091	-0.059	-0.083	-0.136	-0.136
A004678_01		-0.066	0.06	0.157	0.115	0.085	-0.004	0.109	-0.047
A004680_01		-0.293	-0.255	-0.052	-0.063	-0.426	-0.661	0.168	0.148
A004682_01		0.133	-0.025	0.647	0.379	-0.21	-0.229	-0.285	-0.26
A004683_01		0.064	0.226	0.209	0.218	-0.346	-0.437	-0.209	0.028
A004684_01		-0.561	-0.544	-1.351	-1.018	-1.479	-1.54	-1.147	-1.186
A004688_01		0.034	-0.031	0.19	0.045	0.297	0.348	-0.019	0.034
A004689_01		-0.353	-0.187	0.745	0.768	-0.645	-0.84	-0.479	-0.544
A004695_01		-0.22	-0.121	0.023	0.163	-0.025	0.02	-0.062	0.004
A004696_01		-0.138 NA		-0.399	-0.138 NA	NA	NA	NA	
A004701_01		-0.404 NA	NA	NA		0.2	0.527 NA		0.504

A004704_01	0.678	0.968	-0.545	-0.351	-0.41	-0.706	0.326	0.584
A004705_01	0.257	0.249	0.117	0.148	-0.167	-0.289	0.009	0.018
A004714_01	-0.324	-0.377	-0.23	-0.003	-0.235	-0.063 NA	NA	
A004716_01	0.035 NA		0.393	0.209	0.56	0.786	0.408	0.182
A004717_01	0.206	0.184	0.005	-0.012	-0.06	-0.1	-0.037	-0.137
A004722_01	0.413	0.415	0.189	0.131	0.438	0.299	-0.54	-0.633
A004725_01	-0.071 NA		-0.086	-0.104	0.105	0.093 NA		-0.031
A004727_01	-0.044 NA		0.527	0.313	-0.056	-0.051 NA		-0.456
A004728_01	0.247	0.258	0.02	0.205	0.162	0.38	-0.314	-0.16
A004735_01	0.116	0.336	0.088	0.336	-0.032	0	-0.021	-0.089
A004736_01	0.065	-0.012	-0.177	-0.279	0.121	0.182	0.121	0.196
A004738_01	-0.324	-0.068	0.158	0.186	0.182	0.38	-0.033	0.209
A004739_01	-0.639 NA	NA	NA	NA	NA	NA	NA	NA
A004740_01	-0.302 NA		-0.067 NA		-0.096	0.301 NA	NA	NA
A004743_01	-0.158 NA		0.219	0.254 NA		-0.031	-0.241	-0.092
A004744_01	-0.368	-0.069	-0.092	-0.036	-0.181	-0.213	-0.304	0.118
A004747_01	0.032	-0.181	-0.034	0.105	-0.14	-0.183	0.091	-0.032
A004748_01	-0.067	-0.005	-0.247	-0.386	0.135	0.38	-0.061	-0.081
A004752_01	-0.392 NA		-0.036	-0.121	-0.462	-0.607	-0.22	0.096
A004754_01	0.075	0.181	-0.215	-0.045	-0.066	0.084 NA	NA	
A004757_01	0 NA		-0.114	0.034 NA		0.057	0.022	0.054
A004759_01	-0.155	-0.119	-0.003	-0.134	-0.478	-0.484	-0.078	0.126
A004762_01	0.045	0.048	0.205	0.462	0.037	0.127	-0.178	-0.243
A004766_01	0.048	0.032	-0.045	0.068	-0.031	-0.131	0.104	0.071
A004768_01	-0.099 NA		0.036	-0.022	-0.137	-0.417	0.167	0.057
A004769_01	-0.01	0.17	-0.134	-0.119	0.256	0.516	-0.222	0.065
A004772_01	-0.266	-0.242	-0.121	-0.012	-0.251	-0.192	-0.081	0.012
A004774_01	0.179	0.315	0.017	0.024	0.134	0.266	0.083	0.2
A004777_01	0.215	0.379	0.229	0.319	0.482	0.708	-0.229	-0.097
A004789_01	-0.057	-0.037	-0.169	-0.079	-0.081	0.017	0.251	0.302
A004792_01	-0.051	-0.096	-0.111	0.093	0.107	0.108	0.069	0.011
A004795_01	-0.217 NA		-0.184	-0.422 NA	NA	NA		-0.119
A004799_01	-0.046 NA		0.123	0.108 NA		-0.302	0.173	0.135
A004801_01	-0.256	0.062	-0.094	-0.177	-0.097	-0.08	-0.149	0.077
A004804_01	-0.075	0.107	-0.006	0.245	-0.602	-0.529	-0.123	-0.191
A004805_01	-0.398 NA		0.12	0.093 NA		-1.184	-0.159	0.071
A004810_01	0.169	0.237	0.168	0.384	0	-0.305	-0.169	-0.298
A004815_01	0.204	0.394	0.142	0.124	-0.094	-0.041	-0.063	0.019
A004820_01	-0.239	-0.158	-0.103	0.124	-1.259	-1.427	-0.198	-0.304
A004825_01	-0.287	-0.263	0.011	0.076	-0.021	0.176	0.028	0.003
A004828_01	0.09 NA		-0.049	0.054	0.262	0.432	0.216	0.118
A004830_01	0.345	0.3	-0.186	0.177 NA		0.246 NA		0.084
A004837_01	0.283	0.143	0.181	0.159	0.135	0.213	-0.01	-0.084
A004839_01	-0.318	-0.211	-0.103	-0.177	-0.322	-0.258	0.023	0.154
A004842_01	0.119	0.047	-0.331	0.068	-0.038	0.195	0.013	-0.049
A004843_01	0.101	0.173	0.078	0.055	0.56	0.754	0.35	0.487
A004846_01	-0.83	-0.707	-0.494	-0.414	-0.471	-0.287	-0.899	-0.69
A004848_01	0.314	0.662	0.337	0.619 NA		0.1	-0.158	-0.104
A004853_01	0.17	0.052	0.231	0.275	-0.317	-0.37	-0.429	-0.27
A004859_01	-0.265 NA		0.776	0.711 NA	NA		-0.232	-0.168
A004860_01	0.408	0.569	0.013	-0.154	-0.127	-0.138	-0.096	0.083
A004862_01	-0.103	-0.042	-0.069	-0.159 NA		-0.199	-0.013	0.027
A004863_01	-0.282	-0.189	-0.128	-0.052	-0.377	-0.276	-0.029	-0.054
A004866_01	0.077	-0.053	-0.355	-0.019	-0.04	0.216	-0.035	-0.079
A004867_01	0.072	0.219	-0.051	0.064	0.065	0.114	0.068	0.175
A004882_01	0.104	0.091	-0.236 NA		-0.012	0.261 NA	NA	
A004883_01	-0.172	-0.159	-0.238	-0.168	-0.03	-0.012	-0.034	0.075
A004885_01	-0.169	-0.078	-0.396	-0.41	-0.126	-0.27	-0.155	-0.181
A004887_01	-0.389	-0.231	-0.282	-0.127	-0.064	0.06	-0.175	0.016
A004889_01	0.095 NA		-0.07	0.08	-0.035	-0.026	0.013	0.029
A004891_01	0.186	0.226	-0.012	-0.151	0.099	0.064	-0.03	0.004
A004894_01	-0.173	-0.143	0.67	0.592	0.013	-0.033	-0.523	-0.608
A004896_01	0.16	0.196	-0.005	0.166	0.154	0.153	0.076	0.097
A004901_01	0.404 NA		0.014	0.182 NA		0.173	0.023	-0.193
A004903_01	-0.079	-0.076	-0.184	-0.453	0.06	-0.214	0.229	0.251
A004908_01	0.03 NA		-0.024	-0.075 NA		-0.895	0.157	0.048
A004910_01	-0.355	-0.055	-0.141	0.168 NA		-0.413	-0.032	0.133
A004915_01	0.481	0.54	-0.232	-0.168	0.127	-0.003	0.244	0.256

A004916_01	0.104	NA	-0.004	-0.036	NA	0.153	NA	NA	
A004918_01	0.03	NA	-0.13	-0.13		-0.378	0.43	0.329	
A004921_01	0.189	0.202	-0.271	-0.119	-0.276	-0.452	0.035	0.063	
A004922_01	-0.085	-0.288	-0.237	-0.012	-0.125	-0.234	NA	NA	
A004927_01	-0.357	-0.352	-0.035	0.026	-0.251	-0.126	-0.255	-0.092	
A004931_01	-0.152	0.061	-0.515	-0.278	0.249	0.512	0.022	0.023	
A004932_01	-0.311	-0.115	-0.261	0.054	0.02	0.482	0.02	0.192	
A004934_01	0.003	0.001	-0.155	-0.262	0.097	0.19	-0.222	-0.007	
A004941_01	0.037	0.095	-0.403	-0.126	-0.029	0.005	0.104	0.167	
A004944_01	-0.071	-0.071	-0.007	0.024	0.167	0.429	0.175	0.459	
A004948_01	-0.081	NA	0.054	0.145	-0.282	-0.357	0.006	-0.024	
A004962_01	0.289	0.282	0.205	0.23	0.257	0.31	0.132	0.28	
A004978_01	-0.009	0.037	-0.428	-0.206	0.077	0.292	NA	0.035	
A004994_01	-0.175	0.154	0.27	0.213	0.413	0.604	-0.306	0.07	
A005002_01	-0.213	-0.182	0.111	0.329	-0.531	-0.501	-0.223	-0.203	
A005005_01	-0.758	-0.418	-0.142	-0.019	-1.32	-1.429	-0.367	-0.404	
A005009_01	0.453	0.873	-0.373	-0.315	0.092	-0.012	0.232	0.382	
A005012_01	-1.063	NA	0.52	0.456	-0.463	NA	-0.182	-0.017	
A005018_01	0.302	0.125	0.22	-0.336	0.255	0.355	-0.052	0.389	
A005022_01	-0.192	-0.165	-0.232	-0.054	-0.113	-0.067	0.056	0.154	
A005023_01	-0.169	0.006	0.224	0.396	-0.224	-0.294	0.142	0.184	
A005029_01	-0.242	-0.306	-0.359	0.012	-0.329	0.112	-0.214	-0.233	
A005042_01	0.261	0.419	-0.168	-0.265	0.369	0.669	0.077	0.422	
A005048_01	-0.375	0.103	-0.157	-0.151	0.037	0.402	0.052	0.572	
A005065_01	0.303	0.184	-0.043	-0.067	0.252	0.344	-0.057	-0.04	
A005067_01	-0.075	0.059	-0.038	0.118	-0.038	-0.147	NA	0.024	
A005068_01	-0.202	-0.154	0.238	0.237	-0.057	0.034	-0.209	-0.089	
A005069_01	-0.94	-0.92	-0.983	-0.84	-0.227	-0.103	-0.708	-0.374	
A005075_01	-1.184	-1.443	-0.866	NA	-1.569	-1.865	NA	NA	
A005084_01	0.117	0.05	-0.084	-0.107	0.076	0.181	-0.028	-0.093	
A005086_01	0.133	0.464	0.089	0.197	0.102	0.042	-0.42	-0.225	
A005093_01	0.096	0.028	-0.063	0.136	-0.311	-0.137	-0.05	0.096	
A005095_01	0.076	NA	-0.026	0.236	NA	NA	-0.046	0.122	
A005097_01	-0.071	0.131	-0.415	-0.485	0.175	0.395	0.141	0.318	
A005122_01	0.285	0.159	-0.203	-0.055	-0.043	-0.006	0.096	0.164	
A005126_01	0.005	NA	0.252	0.234	NA	-0.306	0.093	0.176	
A005129_01	0.015	NA	0.193	0.204	0.48	0.514	0.09	0.138	
A005132_01	0.335	0.142	0.261	-0.014	0.367	0.243	NA	-0.114	
A005145_01	-0.413	-0.346	0.291	0.164	0.08	0.046	0.161	0.195	
A005146_01	-0.255	-0.305	0.194	0.03	-0.322	-0.233	-0.231	-0.174	
A005155_01	-0.883	-0.491	-1.707	-1.434	-2.012	-1.91	NA	-0.944	
A005160_01	0.082	0.21	0.204	0.428	0.118	0.226	-0.113	-0.007	
A005162_01	0.258	0.182	-0.497	-0.288	-0.094	0.045	-0.025	0.102	
A005163_01	0.158	-0.044	0.077	0.087	0.163	0.23	0.073	0.149	
A005164_01	-0.377	-0.11	0.159	0.173	0.1	0.396	-0.534	-0.369	
A005167_01	-0.148	0.069	-0.012	0.02	0.125	0.245	0.005	0.253	
A005171_01	-0.522	-0.21	0.328	0.307	-0.364	-0.545	-0.247	-0.475	
A005173_01	-0.054	-0.058	-0.112	-0.185	0.096	0.015	-0.047	-0.106	
A005175_01	-0.185	0.006	0.236	0.08	0.502	0.588	-0.083	0.084	
A005176_01	-3.056	-2.118	-5.119	-3.837	0.579	1.166	-1.913	-2.116	
A005178_01	-0.323	0.018	0.032	-0.008	-0.215	-0.153	-0.318	-0.078	
A005179_01	0.099	NA	0.442	0.378	NA	-0.304	-0.222	-0.207	
A005180_01	-0.128	0.064	0.035	0.032	-0.053	-0.05	-0.243	-0.096	
A005182_01	-0.021	0.077	0.231	0.152	0.482	0.673	-0.114	-0.021	
A005187_01	-0.173	-0.239	0.063	0.147	0.061	0.085	-0.032	0.145	
A005188_01	-0.187	-0.236	-0.09	-0.01	-0.235	-0.262	0.096	0.105	
A005190_01	NA	NA	-0.074	0.221	NA	-0.077	NA	-0.442	
A005195_01	-0.504	-0.334	0.089	0.049	-0.002	0.043	-0.189	-0.17	
A005196_01	0.261	NA	-0.535	NA	NA	NA	NA	0.173	
A005197_01	-0.206	-0.094	0.113	0.101	0.045	0.215	-0.212	0.066	
A005199_01	0.175	-0.015	-0.178	-0.207	-0.102	-0.078	NA	NA	
A005203_01	-0.126	-0.014	0.126	0.151	-0.242	-0.17	-0.068	0.22	
A005204_01	-0.066	-0.186	0.152	0.047	-0.296	-0.446	-0.265	-0.33	
A005208_01	-1.405	-0.994	-0.285	-0.289	NA	-2.822	NA	-1.405	
A005209_01	0.262	NA	0.443	0.49	NA	NA	NA	-0.188	
A005211_01	-0.359	-0.191	-0.4	-0.181	-0.138	0.143	-0.194	0.024	
A005214_01	-0.411	-0.634	-0.722	NA	-0.307	-0.486	NA	-0.098	
A005220_01	-0.205	0.234	-0.183	-0.077	0.05	0.448	-0.299	0.257	

A005223_01	-0.515	NA	-0.115	0.063	NA	-0.675	NA	-0.253
A005224_01	0.098	NA	0.637	0.646	NA	0.142	-0.117	-0.226
A005227_01	-0.026	NA	-0.203	-0.196	0.082	-0.078	0.141	0.201
A005234_01	0.081	NA	NA	NA	-0.036	0.186	NA	NA
A005236_01	-0.056	-0.069	-0.182	-0.104	0.065	0.159	NA	NA
A005239_01	0.153	NA	NA	NA	-0.064	-0.008	NA	-0.116
A005246_01	-0.05	0.399	0.263	0.208	-0.392	-0.321	-0.784	-0.398
A005247_01	0.068	-0.098	0.162	0.1	-0.237	-0.371	0.103	-0.017
A005249_01	-0.07	NA	-0.238	-0.081	0.332	0.482	NA	0.205
A005251_01	-0.18	NA	-0.109	0.254	NA	NA	NA	0.05
A005260_01	-0.044	-0.056	-0.257	-0.232	-0.013	-0.142	0.263	0.245
A005262_01	-0.325	-0.128	0.119	0.295	0.019	0.363	-0.352	0.038
A005267_01	0.323	0.417	0.414	0.32	-0.237	-0.383	-0.203	0.015
A005278_01	-0.039	0.021	-0.165	-0.162	-0.09	-0.052	0.042	0.123
A005279_01	-0.493	-0.169	0.358	0.24	0.118	0.218	-0.209	-0.017
A005302_01	0.174	0.342	0.146	0.143	0.368	0.382	0.103	0.146
A005305_01	0.059	0.021	0.097	0.296	-0.303	-0.099	-0.024	0.144
A005310_01	-0.527	NA	-0.134	-0.265	0.572	1.154	0.229	0.772
A005332_01	0.062	0.009	-0.064	0.084	0.024	0.149	-0.254	-0.169
A005335_01	0.265	0.116	0.357	0.364	-0.341	-0.472	-0.265	-0.391
A005338_01	-0.038	0.217	0.481	0.43	0.729	0.907	0.149	0.261
A005346_01	-0.158	NA	-0.025	0.154	-0.17	-0.195	NA	NA
A005354_01	-0.378	NA	-0.982	-0.772	NA	-0.746	-0.174	0.106
A005356_01	-0.075	0.002	-0.153	-0.157	0.394	0.479	0.279	0.425
A005357_01	0.113	0.058	-0.027	-0.006	0.24	0.117	-0.05	-0.017
A005366_01	0.621	0.674	0.107	0.19	-0.417	-0.837	-0.169	-0.095
A005367_01	0.036	-0.062	-0.08	-0.099	-0.023	-0.151	0.182	0.175
A005368_01	-0.249	-0.161	-0.084	-0.084	0.117	0.181	0.015	0.124
A005371_01	-0.199	0.025	-0.115	-0.035	-0.019	0.045	-0.099	-0.01
A005376_01	-0.071	NA	-0.238	-0.062	-0.005	0.114	NA	NA
A005377_01	-0.601	0.013	-0.412	-0.284	0.722	1.391	-0.046	0.295
A005384_01	-1.072	NA	-0.822	-0.636	NA	-1.159	NA	-1.332
A005386_01	-0.057	-0.136	-0.211	-0.165	-0.456	-0.503	0.207	0.331
A005389_01	-0.679	NA	0.102	0.162	NA	NA	-0.075	-0.042
A005390_01	-0.218	-0.511	-0.661	-0.522	-0.628	-0.586	-0.724	-0.631
A005391_01	NA	-0.069	-0.037	-0.126	-0.327	-0.356	NA	NA
A005394_01	-0.569	-0.533	0.064	0.061	-0.348	-0.386	-0.441	-0.399
A005395_01	0.041	-0.115	-0.171	-0.121	-0.153	-0.229	-0.032	-0.12
A005401_01	0.125	NA	0.015	0.261	-0.489	-0.524	0.091	0.022
A005403_01	-0.247	-0.34	-0.558	-0.471	-0.479	-0.514	-0.417	-0.524
A005407_01	0.537	0.074	-0.011	-0.065	0.4	0.207	0.111	-0.246
A005410_01	0.315	-0.078	-0.324	-0.339	0.027	0.103	-0.028	-0.146
A005411_01	-0.178	0.06	-0.314	-0.307	0.122	0.321	-0.03	0.386
A005413_01	-0.02	0.197	-0.06	-0.075	0.107	0.125	0.02	0.172
A005414_01	0.091	0.141	-0.005	0.134	0.096	-0.046	-0.114	-0.184
A005416_01	-0.212	-0.135	-0.023	-0.027	-0.047	0.099	-0.075	-0.027
A005417_01	0.189	0.109	-0.563	-0.319	0.178	0.202	0.271	0.301
A005426_01	0.333	0.44	0.243	0.28	0.19	0.339	0.09	0.096
A005431_01	-0.111	0.01	0.023	0.098	-0.028	-0.006	0.137	0.029
A005434_01	0.301	0.066	0.06	0.159	-0.275	-0.56	-0.487	-0.786
A005439_01	0.012	0.048	-0.068	0.111	-0.262	-0.239	0.123	0.051
A005477_01	-0.098	0.414	-0.106	0.089	0.089	0.438	0.107	0.4
A005500_01	-0.133	-0.206	0.161	0.126	-0.106	-0.367	-0.062	-0.185
A005506_01	-0.037	-0.046	-0.154	-0.215	-0.421	-0.484	-0.177	-0.069
A005518_01	0.083	NA	NA	0.002	0.057	0.11	NA	NA
A005521_01	-0.078	-0.09	-0.027	-0.026	-0.34	-0.404	0.179	0.215
A005522_01	-0.033	0.176	0.305	0.164	0.202	0.679	-0.225	0.252
A005526_01	-0.071	-0.202	-0.088	0.105	-0.453	-0.485	NA	NA
A005532_01	-0.114	-0.019	-0.148	-0.109	-0.131	-0.165	-0.147	-0.165
A005542_01	-0.154	-0.133	-0.316	-0.183	-0.315	-0.487	NA	0.047
A005552_01	-0.602	NA	NA	NA	-0.154	NA	NA	-0.59
A005553_01	0.114	-0.014	0.203	0.161	0.141	0.091	0.11	-0.013
A005557_01	0.244	0.078	0.05	-0.057	0.206	0.255	0.118	0.16
A005558_01	-0.453	-0.112	-0.052	0.108	-0.077	0.284	-0.239	0.246
A005562_01	-0.132	-0.027	-0.522	-0.476	0.388	0.334	0.108	0.127
A005564_01	0.117	0.318	-0.148	-0.06	-0.006	-0.046	-0.19	-0.105
A005571_01	-0.242	-0.311	-0.067	0.044	-0.337	-0.331	0.139	-0.04
A005576_01	-0.948	-1.007	-0.892	-0.854	-1.549	-1.915	NA	-1.282

A005577_01		-0.03	0.178	-0.174	-0.36	0.096	0.087	0.168	0.454
A005583_01		0.342	0.134	-0.206	-0.241	-0.157	-0.11	0.271	0.22
A005588_01		-0.007	0.052	-0.379 NA		0.357	0.53 NA		0.487
A005589_01		-0.023	0.219	-0.168	-0.179	0.277	0.512	0.073	0.335
A005590_01		-0.74	-0.472	-0.136	-0.195	-0.757	-0.567	-0.219	0.108
A005591_01		0.13	-0.078	0.226	0.345	0.096	0.088	0.14	0.052
A005592_01		0.605	0.578	0.601	0.961	0.39	0.546	-0.035	-0.169
A005594_01		-0.078	-0.142	-0.129	-0.165	-0.069	-0.075	-0.017	0.031
A005600_01		-0.124	0.134	-0.228 NA		0.368	0.513 NA		0.392
A005601_01		0.054	0.141	-0.109	-0.265	0.365	0.491	-0.071	0.509
A005609_01		0.06	-0.038	0.164	0.242	-0.171	-0.063	0.022	0.221
A005613_01		0.233	0.063	0.118	0.276	-0.142	-0.322	0.205	0.036
A005615_01		-0.21	-0.005	0.227	0.06	-0.31	-0.295	-0.341	-0.125
A005616_01		-0.168	0.089	-0.324	-0.407	0.102	0.297	-0.111	0.265
A005620_01		-0.205	-0.007	0.205	0.089	0.705	0.894	-0.098	0.108
A005629_01		0.443	0.173	-0.446	-0.135	0.042	0.018	0.25	0.068
A005636_01		-0.045	0.328	-0.216	-0.277	0.134	0.377	-0.053	0.429
A005646_01		-0.131	-0.137	-0.358	-0.328	-0.041	-0.136	-0.055	-0.009
A005648_01		0.024	0.012	0.374	0.4	0.905	1.164	0.447	0.433
A005655_01		0.018	0.151	-0.011	0.009	0.264	0.299	0.033	0.05
A005659_01	NA		NA	-0.181	-0.257 NA		NA		0.042
A005661_01		-2.894	-2.096	-2.865	-2.375	-3.427	-4.15	-2.38	-2.19
A005677_01	NA		0.08	-0.28	-0.223	0.115	-0.055	0.088	0.193
A005680_01		-0.252	-0.578	-0.338	-0.187	-0.542	-0.565	-0.131	-0.079
A005687_01		-0.569	-0.424	-0.627	-0.295	0.025	0.435	0.38	0.559
A005688_01		-0.34	0.109	-0.176	-0.285	0.361	0.495	-0.066	0.285
A005690_01		0.078	0.009	0.04	0.095	0.143	0.173	-0.056	-0.034
A005692_01		-0.071 NA		-0.062	-0.118 NA		NA	0.022	0.191
A005695_01		0.27	0.403	0.12	0.315	0.658	0.828	0.466	0.564
A005699_01		-0.772	-0.648	0.217	0.244	0.147	0.24	-0.049	0.086
A005701_01		0.093	0.305	-0.138	-0.136	0.034	0.083	-0.055	0.193
A005702_01		-0.463 NA		-0.55	-0.238	-0.44	-0.449 NA		NA
A005703_01		0.087	-0.004	-0.235	-0.235	-0.303	-0.251	0.225	0.306
A005706_01		-0.373	-0.117	0.128	0.064	0.403	0.67	0.017	0.166
A005707_01		-0.64	-0.408	0.049	0.209	0.52	0.805	0.036	0.37
A005708_01		-0.499	-0.475	-0.042	0.239	0.416	0.772	0.147	0.285
A005709_01		-0.666	-0.56	0.118	0.232	0.397	0.889	0.088	0.138
A005710_01		-0.11	-0.014	-0.481	0.078	-0.168	-0.013 NA		NA
A005712_01		-0.16	-0.063	0.425	0.353	0.487	0.532	-0.327	-0.249
A005713_01		-0.354	-0.466	-0.477	-0.391	-0.466	-0.412	-0.283	-0.076
A005714_01		-1.637	-1.431	-1.371	-0.93	-2.7	-3.037	-1.599	-1.579
A005715_01		-0.255	-0.283	-0.135	0.042	-0.729	-0.464	-0.026	0.243
A005718_01		-0.388	-0.216	0.021	-0.05	0.584	0.864	0.094	0.28
A005719_01		-0.47	-0.279	0.123	0.306	0.304	0.584	-0.184	0.046
A005720_01		-0.882	-0.776	0.319	0.507	0.752	1.184	0.074	0.234
A005721_01		-0.678	-0.609	0.082	0.227	0.419	0.793	0.184	0.39
A005722_01		-0.346	-0.309	-0.068	-0.01	-0.452	-0.357 NA		NA
A005723_01		-0.407	-0.269	-0.13	0.089	-0.567	-0.448 NA		NA
A005725_01		0.069	-0.008	-0.134	0.146	-0.219	-0.163	-0.01	0.072
A005726_01		-0.734	-0.691	-0.183	0.058	-0.812	-0.72	-0.249	0.067
A005727_01		-1.06	-0.528	-0.307	-0.131	-4.51	-5.222	-0.87	-0.533
A005729_01		-0.959	-0.416	-0.734	-0.73	-0.107	0.388	-0.473	0.022
A005730_01		-0.757	-0.675	-0.3	-0.23	-0.238	-0.017	-0.723	-0.411
A005731_01		-0.754	-0.534	0.162	0.275	0.533	0.993	0.002	0.271
A005732_01		-0.285	-0.073	-0.117	-0.11	0.091	0.495	-0.175	0.249
A005733_01		-0.189	-0.398	-0.055	-0.028	0.566	0.922	-0.813	-0.728
A005736_01		-0.065	0.06	-0.172	-0.174	-0.004	0.126	-0.073	-0.023
A005739_01		0.326	0.513	-0.006	0.041	0.184	0.202	-0.167	-0.009
A005740_01		0.113	0.234	-0.215	-0.051	-0.002	0.24	0.192	0.596
A005741_01		-0.072	0.222	0.086	0.181	0.326	0.355	0.426	0.432
A005742_01		-0.491	-0.142	0.107	0.022	-0.303	-0.292	-0.231	-0.036
A005743_01		-0.401	-0.361	0.115	0.268	-0.102	0.015	-0.13	0.012
A005744_01		0.197	0.217	0.118	0.158	0.302	0.357	0.053	0.111
A005745_01		-0.033	-0.132	-0.063	-0.089	-0.16	-0.04	-0.044	-0.041
A005746_01		-0.447	-0.266	-0.215	-0.009	-1.125	-1.164	-0.307	-0.244
A005749_01		-0.11	-0.003	0.416	0.343	-0.017	-0.265	-0.404	-0.633
A005750_01		0.266	0.087	-0.266	0.1	0.127	0.189 NA		NA
A005751_01		0.523	0.756	0.279	0.368	0.151	0.312	0.201	0.407

A005754_01	-0.811	-0.632	-0.203	0.162	0.183	0.522 NA		0.228
A005755_01	-0.386	-0.331	0.228	0.369	0.54	0.795	-0.122	0.228
A005763_01	0.431 NA		0.146	0.27 NA		0.433	0.483	0.53
A005766_01	-0.617	-0.39	0.012	-0.006	-0.345	-0.196	-0.05	0.163
A005771_01	-0.505	-0.299	-0.193	-0.087	-1.112	-1.073	-0.545	-0.215
A005782_01	-0.283 NA		-0.513 NA	NA		-0.385 NA	NA	
A005783_01	-0.525 NA	NA		-0.062 NA		-1.036	0.262	0.216
A005784_01	0.062 NA		-0.118	0.095 NA		0.134 NA		-0.026
A005787_01	-0.189	-0.173	-0.582	-0.547	0.258	0.399	0.085	0.273
A005792_01	0.187	0.196	-0.632	-0.314	-0.063	0.026	0.403	0.328
A005827_01	-0.406	-0.193	-0.23	-0.12	0.161	0.581	-0.266	0.121
A005834_01	-0.127	0.175	-0.137	-0.121	0.058	0.416	0.255	0.519
A005835_01	-0.087	0.143	0.21	0.235	-0.507	-0.815	-0.173	-0.102
A005839_01	-0.134	0.126	-0.038	-0.079	0.31	0.431	-0.222	0.19
A005845_01	0.586	0.345	-0.454	-0.181	-0.457	-0.899	-0.041	-0.244
A005846_01	-0.044	0.276	-0.118	-0.24	-0.05	0.144	-0.107	0.272
A005856_01	-0.403	-0.369	-0.185	0.11	-0.317	0.034	-0.068	0.13
A005864_01	0.006	0.18	0.151	0.424	-0.126	-0.04	-0.119	-0.181
A005869_01	-0.146	0.225	0.022	0.232	0.02	0.119 NA	NA	
A005870_01	-0.201	-0.166	-0.175	-0.108	0.004	0.207	0.18	0.349
A005879_01	-0.163 NA		-0.331	-0.2 NA	NA		0.267	0.145
A005885_01	-0.011 NA		-0.13	0.119	0.003	0.035	-0.041	-0.108
A005906_01	-0.481	-0.203	-1.413	-1.415	-1.273	-1.059	-1.531	-1.112
A005910_01	-0.136	0.268	0.036	0.046	0.399	0.786	-0.496 NA	
A005911_01	-0.142 NA		-0.151	-0.139	0.309 NA		-0.019	0.197
A005914_01	0.122	0.034	-0.057	0.067	0.104	0.275	-0.103	0.016
A005915_01	-0.141	-0.026	0.151	0.12	-0.335	-0.314	-0.146	-0.03
A005916_01	-0.12	-0.032	0.056	0.128	-0.091	-0.084	-0.376	-0.158
A005926_01	0.217	0.208	-0.149	0.047	0.341	0.422	-0.175	0.025
A005928_01	-0.008 NA		-0.339	-0.12 NA		0.13	0.181	0.519
A005930_01	0.083	0.152	0.104	0.002	0.01	-0.071	-0.069	0.121
A005933_01	0.107	0.178	-0.132	-0.226	0.341	0.3	0.018	0.04
A005935_01	-0.052	0.008	-0.15	-0.015	0.112	0.069	-0.061	0.042
A005936_01	0.259 NA		-0.05	0.219 NA		-0.195	0.002	0.069
A005938_01	0.049	-0.079	0.063	0.034	0.067	-0.057	0.155	0.078
A005939_01	0.535	0.384	-0.382	-0.428	0.004	0.051	0.187	0.317
A005946_01	-0.445	-0.535	0.315	0.207	-0.661	-0.818	-0.614	-0.811
A005948_01	0.194	0.3	-0.33	-0.421	0.192	0.196	0.121	0.247
A005949_01	-0.006	0.208	-0.008	-0.308	-0.144	-0.441 NA	NA	
A005954_01	0.032	-0.046	0.124	0.125	0.173	0.148	0.153	0.18
A005955_01	-0.334	-0.015	-0.283	-0.12	0.015	0.161	0.093	0.315
A005958_01	-0.178	-0.361	0.309	0.312	-0.168	0.079	-0.269	-0.086
A005959_01	0.081	0.353	-0.402	-0.32	0.228	0.408	0.125	0.342
A005962_01	0.568	0.086	-0.07	-0.156	-0.602	-1.07	0.559	0.354
A005963_01	-0.343 NA		-0.041	-0.187	-0.36	-0.469	-0.098	0.143
A005965_01	0.232	0.246	0.024	-0.075	0.278	0.377	-0.145	-0.02
A005969_01	0.138	0.127	0.038	0.241	0.397	0.552	0.179	0.275
A005972_01	-0.123	-0.019	-0.079	-0.17	0.026	0.066	-0.178	0.039
A005981_01	0.552	0.188	-0.147	-0.036	0.098	-0.053	0.098	0.075
A005984_01	-1.082	-1.014	0.5	0.788	0.532	0.843 NA	NA	
A005989_01	-0.012	-0.252	0.028	0.025	-0.117	-0.43	0.121	-0.033
A005991_01	-3.287	-2.023	-4.915	-3.461	0.69	1.355	-1.848	-1.913
A005992_01	-0.048	-0.21	-0.061	-0.065	0.301	0.489	-0.025	0.208
A005999_01	0.033 NA		-0.176	-0.135	-0.18	-0.062	-0.703	-0.265
A006003_01	0.125	0.099	-0.242	-0.066	0.015	-0.002 NA		-0.035
A006014_01	0.323	0.38 NA		-0.51	0.164	0.043	0.278	0.259
A006015_01	-0.066	-0.019	-0.209	-0.259	0.704	0.526	0.455	0.118
A006017_01	0.073	-0.053	-0.115	-0.005	-0.139	-0.158	0.062	-0.086
A006021_01	1.066	0.866	-0.472	-0.424	-0.614	-1.011	0.229	0.211
A006022_01	-0.032	0.214	-0.389	-0.028	0.078	0.38	-0.111	0.123
A006027_01	-0.189	0.284	-0.235	-0.234	0.096	0.395	-0.302	0.167
A006030_01	0.224	0.549	0.042	0.054	0.589	0.917	0.344	0.551
A006032_01	0.084	0.292	0.199	0.252	0.202	0.277	-0.207	-0.109
A006033_01	-0.203	0.025	-0.307	0.039	0.032	0.302	0.223	0.305
A006034_01	-0.218	-0.171	0.106	0.024	-0.012	0.01	0.037	0.107
A006035_01	-0.114 NA		0.28	0.439	0.406	0.517	0.035	0.125
A006036_01	0.274 NA		-0.126	0.058 NA		0.004 NA		0.013
A006039_01	0.52	0.605 NA	NA		0.451	0.62 NA		0.469

A006040_01	-0.166	-0.408	0.165	0.242	0.044	-0.057	0.081	-0.054
A006041_01	-0.526	-0.759	-0.566	-0.224	-0.696	-0.731 NA		-0.079
A006042_01	-0.033	-0.119	-0.166	-0.259	0.172	0.214	0.028	0.001
A006043_01	-0.148	0.101	0.051	0.13	0.061	0.402	-0.313	-0.138
A006045_01	-0.095	-0.066	-0.196	0.114	-0.186	-0.119	0.037	0.1
A006046_01	0.51	0.791	0.145	0.362	0.353	0.578	0.195	0.43
A006048_01	-0.035	0.148	0.053	-0.084	0.275	0.406	0.001	0.255
A006049_01	-2.225	-1.241	-1.346	-1.027	-3.026	-3.52	-1.44	-1.69
A006050_01	-0.014	-0.024	-0.059	-0.151	0.463	0.551	0.265	0.261
A006051_01	-0.153	0.033	0.159	0.361	-1.213	-1.256	-0.334	-0.245
A006052_01	-0.577	-0.462	0.262	0.306	-0.081	0.096	-0.609	-0.219
A006055_01	-0.008	-0.034	-0.239	-0.116	-0.264	-0.182	-0.039	0.016
A006056_01	0.187	0.29	0.22	-0.029	0.355	0.293	-0.311	-0.347
A006058_01	-0.093 NA		0.048	0.12	0.082	-0.229	0.171	-0.146
A006059_01	-0.2	-0.199	-0.192	0.051	0.003	0.095	0.217	0.28
A006060_01	0.037	0.104	0.159	-0.009	0.145	0.083	-0.108	-0.057
A006063_01	-0.443	-0.138	-1.722	-1.489	-1.593	-1.717	-1.291	-1.305
A006066_01	-0.086 NA		-0.433	-0.068	0.098	0.134 NA		0.083
A006068_01	0.283	-0.04	-0.443	-0.43	0.142	0.149	0.059	-0.027
A006070_01	-1.015	-0.889	-0.525 NA		-1.159	-1.241 NA	NA	NA
A006073_01	0.638	0.459	0.083	0.385	0.303	0.364 NA	NA	NA
A006077_01	0.168 NA		0.13	0.324 NA		0.042 NA		-0.071
A006078_01	-0.171	-0.256	0.08	0.113	-0.223	-0.299	-0.114	-0.122
A006079_01	-0.277	-0.177	-0.407	-0.207	-0.187	-0.14	0.028	-0.059
A006082_01	-0.176	-0.396	-0.065	-0.031	-0.443	-0.302	0.104	0.155
A006085_01	0.442	0.446	0.292	0.292	0.224	0.15	-0.384 NA	
A006087_01	0.594	0.663	-0.099	0.001	-2.453	-3.267	-0.239	-0.056
A006089_01	-0.379	-0.251	-0.286	-0.156	0.061	0.234	0.41	0.358
A006090_01	-3.305	-2.398	-3.051	-2.711	-3.983	-4.198 NA	NA	NA
A006092_01	0.052 NA		0.424	0.245 NA	NA	NA		-0.056
A006095_01	0.169	0.134	0.012	0.068	-0.563	-0.663 NA		0.095
A006096_01	0.088	0.006	0.08	0.287	0.107	0.152	-0.05	-0.201
A006099_01	0.38	0.349	-0.095	0.033	0.04	-0.147	-0.085	-0.14
A006100_01	-0.512	-0.398	-0.898	-0.725	-1.66	-1.834	-0.558	-0.424
A006101_01	-0.051	0.214	-0.271	-0.006	0.119	0.449	0.367	0.578
A006102_01	0.143 NA	NA		0.177	0.474	0.527 NA	NA	NA
A006104_01	0.62	0.282	0.483	0.35	-0.758	-0.918	0.598	0.483
A006105_01	0.516	0.358	-0.035	0.079	0.431	0.256	0.085	0.146
A006110_01	-0.192	-0.077	-0.06	0.06	0.149	0.381	0.263	0.237
A006118_01	0.182	0.148	0.008	0.085	-0.019	-0.001	0.02	0.063
A006119_01	0.162	0.132	-0.261	0.003	0.01	-0.062	0.178	0.176
A006123_01	0.331	0.145	-0.043	0.124	0.051	-0.081	0.153	0.01
A006124_01	0.078	0.188	0.138	0.222	0.286	0.356	-0.082	0.095
A006125_01	-0.279	-0.367	0.074	-0.052	-0.162	-0.37	0.001	-0.083
A006126_01	-0.823	-0.939	0.045	0.402	0.367	0.622	-0.106	-0.05
A006132_01	-0.016	0.03	-0.097	-0.218	0.155	0.12 NA	NA	NA
A006136_01	-0.231 NA	NA		-0.089	-0.3	-0.249 NA	NA	NA
A006138_01	-0.142	-0.052	-0.008	-0.106	0.097	-0.008	0.215	0.133
A006143_01	-0.136	-0.124	-0.067	-0.082	-0.165	0.346	-0.1	-0.041
A006146_01	0.098	-0.049	-0.018	-0.109	0.192	0.145	0.114	0.065
A006152_01	0.116	0.067	0.019	-0.096	0.18	0.015	0.081	-0.061
A006159_01	-0.031	0.124	-0.024	0.109	-0.075	0.044	0.303	0.427
A006163_01	-0.378	-0.319	0.084	0.008	-0.148	-0.1	-0.112	-0.079
A006164_01	0.045	-0.087	-0.019	0.285	-0.241	-0.078	0.076	0.004
A006168_01	0.143	-0.183	-0.089	0.023	-0.236	-0.247	-0.086	-0.214
A006169_01	-0.538	-0.036	0.37	0.26	0.498	0.714	-0.043	0.181
A006172_01	0.211 NA	NA	NA		0.172	0.065 NA	NA	NA
A006173_01	0.02 NA	NA		-0.162	0.121	-0.101 NA	NA	NA
A006175_01	-0.089	0.021	-0.207	0.005	0.083	0.351	0.136	0.127
A006177_01	0.164 NA		-0.04	0.087 NA	NA	NA	NA	NA
A006178_01	0.154	-0.065	-0.049	-0.146	0.302	0.334	-0.001	-0.027
A006181_01	-0.316	-0.27	0.042	-0.095	-1.187	-1.646	-0.455	-0.578
A006182_01	-0.043	0.002	0.099	0.213	0.115	0.187	0.137	0.181
A006185_01	0.22	0.235	0.041	0.09	0.427	0.435	0.09	0.282
A006189_01	-0.06	-0.051	-0.338	-0.311	-0.033	-0.209	-0.045	-0.055
A006191_01	0.017	0.187	0.141	0.037	-0.088	-0.277	-0.058	-0.115
A006193_01	0.346	-0.016	-0.088	-0.079	0.15	-0.025 NA		-0.058
A006195_01	-0.352	-0.154	-0.004	0.121	-0.016	0.195	0.361	0.673

A006197_01	-1.076	-0.648	-0.422	-0.208	-0.029	0.283 NA	NA	
A006199_01	0.287	0.309	-0.013	0.011	0.09	0.275	0.116	0.149
A006202_01	-0.366	-0.529	-0.211	-0.314	-0.722	-0.782	-0.202	-0.487
A006203_01	-0.097	0.061	-0.289	-0.123	0.013	0.108 NA	NA	
A006211_01	-0.039	0.188	0.002	0.033	0.33	0.462	-0.138	0.127
A006212_01	-0.064	-0.004	-0.376	-0.405	-0.056	-0.105	0.021	0.055
A006214_01	0.482 NA		-0.586	-0.355 NA		0.049	0.276	0.26
A006219_01	0.241 NA	NA		0.125 NA		0.16 NA		0.102
A006220_01	-0.052	0.104	-0.252	-0.131	-0.181	0.053	-0.134	0.209
A006223_01	0.037 NA		-0.019	0.16	0.169	0.029 NA	NA	
A006226_01	-0.541	-0.393	-0.171	-0.092	-0.798	-0.901	-0.209	-0.04
A006227_01	-0.437	-0.444	-0.042	0.032	-0.288	-0.252	-0.649 NA	
A006231_01	0.095	0.175	-0.235	-0.049	0.155	0.054 NA		0.065
A006233_01	-0.541 NA		0.137	0.085	-0.566	-0.467 NA	NA	
A006235_01	0.15	0.227	-0.538	-0.274	0.02	0.369	0.126	0.167
A006239_01	0.189	0.243	0.145	0.391	-0.585	-0.486	-0.175	-0.22
A006242_01	0.108 NA		-0.148 NA	NA		0.003 NA		-0.363
A006243_01	-0.031	-0.247	0.072	0.349	-0.597	-0.614	-0.064	-0.261
A006246_01	0.322	0.545	0.367	0.169	0.164	0.059	-0.132	-0.028
A006251_01	-0.467	-0.449	-0.258	-0.389	-0.191	-0.198	0.066	0.272
A006252_01	-0.299	-0.202	0.011	0.242	-0.117	-0.083	0.135	0.166
A006253_01	0.369	0.257	-0.11	-0.005	0.058	0.052	0.172	-0.075
A006254_01	-0.293	0.036	0.126	0.243	-0.158	-0.229	-0.061	0.004
A006257_01	0.172	-0.022	-0.28	0.052	0.114	0.328	0.099	0.125
A006260_01	0.226	0.124	-0.011	-0.062	0.562	0.372	0.387	0.418
A006261_01	0.041	0.026	-0.079	0.056	-0.058	-0.034	0.083	-0.088
A006263_01	0.058	0.015	-0.079	-0.17	-0.029	0.033	-0.066	-0.015
A006264_01	-0.772	-0.562	-0.135	-0.102	0.734	1.005	0.045	0.115
A006269_01	0.473	0.182	-0.135	-0.161	0.607	0.612	0.29	0.207
A006273_01	0.435	0.478	-0.151	-0.034	0.396	0.405	0.202	0.202
A006277_01	0.145 NA		-0.035	0.036 NA		-0.05 NA	NA	
A006278_01	0.468 NA		0.274	0.233 NA	NA	NA		-0.021
A006282_01	-0.314	-0.231	-0.154	-0.086	0.208	0.414	-0.416	-0.312
A006284_01	-0.981	-0.756	0.628	0.574	0.611	0.819 NA	NA	
A006288_01	-0.224	0.005	-0.058	0.019	-0.398	-0.233 NA		0.341
A006291_01	0.281	0.905	0.408	0.289	0.588	0.714	0.188	0.453
A006298_01	-0.333 NA		-0.252	0.134	0.116	0.333 NA		0.095
A006313_01	0.25	0.6	-0.187	-0.118	0.026	0.325 NA		0.24
A006316_01	-0.002 NA		-0.157	0.153 NA		-0.049 NA	NA	
A006323_01	-0.113	0.054	0.02	0.161	0.035	0.172	-0.195	-0.159
A006324_01	0.018	0.143	-0.073	0.051	-0.001	0.008	-0.004	-0.046
A006327_01	0.187	0.283	-0.396	-0.377	0.048	-0.002 NA		0.158
A006329_01	0.057	0.114	0.086	-0.018	0.075	0.045 NA	NA	
A006330_01	-0.148 NA		-0.109	-0.042 NA		0.111 NA		0.026
A006331_01	-0.01 NA		-0.31	-0.229	0.001	0.064 NA		0.137
A006342_01	0.03 NA		-0.032	0.042 NA		0.069	0.209	0.34
A006345_01	0.084	0.079	0.414	0.446	0.1	0.249	-0.461	-0.28
A006350_01	-0.23	-0.197	-0.551	-0.291	0.063	0.348	0.254	0.331
A006351_01	-0.112 NA		-0.047	-0.215	0.133	0.21	0.159	0.357
A006357_01	0.12	0.048	-0.348	-0.153	0.055	0.134	0.066	0.041
A006373_01	0.071 NA		-0.063	-0.093	-0.141	-0.206	0.08	0.192
A006374_01	-0.381	-0.187	-0.225	-0.071	-0.021	0.365	-0.11	0.311
A006378_01	0.176 NA		-0.106	-0.093	0.038	-0.045	0	0.043
A006384_01	-0.026	0.189	0.04	-0.01	0.091	0.16	-0.112	0.162
A006385_01	0.072 NA		-0.138	0.085	-0.13	-0.071 NA		0.026
A006387_01	0.529	0.324	-0.023	-0.071	0.594	0.637	0.151	0.16
A006388_01	-0.355	-0.111 NA		-0.03	-0.065	-0.017	-0.369	-0.182
A006389_01	-0.082	-0.029	0.08	0.047	0.831	1.01 NA		0.302
A006400_01	-0.197	-0.327	-0.088	-0.022	-0.193	-0.209	0.065	0.204
A006402_01	-0.251	-0.202	-0.062	-0.005	-0.139	-0.156	-0.004	-0.025
A006419_01	-0.279 NA		-0.043	0.088	-0.382	-0.206 NA	NA	
A006421_01	0.26	0.599	0.151	0.251	-0.127	-0.277	-0.017	0.096
A006422_01	0.071 NA		-0.498	-0.312 NA	NA		0.039	0.129
A006429_01	NA	NA	-0.4 NA	NA		0.389 NA	NA	
A006432_01	0.105 NA		-0.031	0.06	-0.265	-0.423	-0.049	0.011
A006436_01	0.128	0.007	-0.305	-0.328	-0.058	-0.117	0.218	0.248
A006441_01	-0.615 NA		-1.41	-1.268	-0.348	0.086	-0.506	-0.417
A006442_01	-0.292	0.127	-0.139	0.164	-0.039	0.021	0.026	0.216

A006451_01	-0.101	0.071	-0.124	-0.142	0.188	0.248	-0.334	0.023
A006453_01	0.063	0.108	-0.257	-0.197	0.203	0.446	0.031	0.179
A006456_01	-0.537	-0.306	-0.278 NA		0.923	1.323 NA		-0.53
A006491_01	0.275	0.169	-0.149	0.163	-0.156	-0.274 NA	NA	
A006523_01	-0.233	-0.074	-0.006	-0.149	-0.088	0.171	0.031	0.324
A006529_01	0.234 NA		0.048	0.117 NA		-0.074 NA	NA	
A006550_01	0.089	0.181	-0.034	0.182	0.143	0.266	-0.034	-0.203
A006556_01	-0.069	-0.14	0.246	0.292	-0.087	-0.049	-0.319	-0.084
A006564_01	0.113	-0.035	-0.229	0.087	-0.026	0.192	0.005	0.12
A006565_01	0.2	0.218	-0.335	-0.215	0.013	0.294	0.019	0.383
A006567_01	-0.387	-0.102	-0.457	-0.228	0.088	0.44	0.056	0.215
A006568_01	0.131	0.247	-0.048	-0.117	0.2	0.195	-0.016	0.058
A006569_01	0.208	0.004	-0.195	-0.053	-0.039	-0.093	-0.092	-0.101
A006573_01	-0.243	0.02	-0.134	-0.122	-0.064	0.304	-0.082	0.456
A006574_01	-0.264	0.128	-0.019	-0.187	0.032	0.355 NA		0.546
A006575_01	-0.049	0.094	-0.173	0.035	0.169	0.376	0.091	0.357
A006579_01	0.193	-0.077	-0.161	-0.234	-0.269	-0.57	0.033	-0.265
A006580_01	0.035	0.055	-0.04	-0.08	0.014	0.057	-0.168	-0.193
A006581_01	0.66	0.328	-0.267	-0.147	0.194	0.222	0.01	-0.195
A006585_01	-0.318	0.282	0.004	-0.134	0.121	0.647	-0.163	0.653
A006586_01	-0.204	0.086	-0.13	-0.082	-0.144	0.254	-0.152	0.336
A006595_01	0.081	0.28	0.014	0.114	0.293	0.413 NA	NA	
A006596_01	-1.575	-0.998	0.539	0.481	-0.152	0.413	-0.691	-0.099
A006597_01	-1.012	-0.477	0.196	0.192	-0.077	0.522 NA		0.371
A006598_01	-0.547 NA		-0.041 NA		-0.027	0.398 NA		0.469
A006603_01	0.068	0.135	-0.043	0.103	-0.222	-0.315	-0.169	-0.044
A006610_01	-0.034	-0.016	-0.04	-0.066	-0.371	-0.543	0.342	0.262
A006611_01	0.235	0.253	-0.206	0.108	0.189	0.237	0.244	0.255
A006619_01	0.19	0.095	-0.067	0.122	-0.091	-0.191	-0.081	-0.16
A006622_01	-0.031	0.152	-0.145	-0.222	0.67	1.082	0.445	0.541
A006637_01	-0.321	-0.247	-0.205	-0.154	-0.31	-0.096	-0.784 NA	
A006660_01	0.001 NA		-0.133	-0.131	-0.007	0.183 NA	NA	
A006664_01	0.158	0.287	-0.066	0.154	0.119	0.212	-0.24	0.165
A006665_01	0.029	0.027	-0.012	-0.042	-0.374	-0.698	0.001	-0.179
A006674_01	-0.086 NA	NA		-0.032 NA		0.244 NA		0.012
A006676_01	0.063 NA		-0.229	-0.096 NA		-0.255	-0.281	-0.078
A006681_01	0.018	0.05 NA		-0.063	0.517	0.538	0.115	0.151
A006684_01	-0.417	-0.449	0.043	0.024	-0.149	-0.064	-0.145	-0.074
A006688_01	0.138	0.26	0.113	0.042	-0.307	-0.38	0.2	0.35
A006689_01	-0.344	-0.067	-0.206	-0.013	-0.086	0.148	-0.02	0.158
A006692_01	0.291	0.029	0.01	0.009	0.147	0.039	0.075	0.01
A006694_01	-0.031 NA		-0.286	-0.184	0.046	-0.034	0.067	0.041
A006696_01	0.16	0.113	-0.04	-0.167	0.11	0.052 NA		-0.02
A006708_01	0.444	0.37	-0.157	-0.164	-0.229	-0.34	0.042	0.057
A006710_01	0.171	0.339	-0.468	-0.34	0.152	0.332	-0.001	0.098
A006715_01	0.093	-0.046	-0.054	-0.089	-0.068	-0.211	-0.042	-0.174
A006716_01	-0.663	-0.634	0.248	0.124	-1.335	-1.612	-0.798	-0.948
A006724_01	-0.011	0.097	-0.752	-0.562	-0.045	-0.204	-0.254	-0.302
A006726_01	-0.728	-0.352	0.012	-0.111	-0.876	-0.857	-0.451	-0.475
A006730_01	0.331	0.431	0.25	0.128	-1.119	-1.25	0.07	0.338
A006733_01	0.04	-0.022	-0.095	-0.315	0.448	0.461	0.005	-0.158
A006735_01	0.354 NA	NA	NA		-0.03	0.101 NA		-0.017
A006736_01	0.967	1.276	-0.183	-0.101	0.904	0.893	0.249	0.408
A006737_01	-0.027	-0.074	0.016	0.114	-0.179	-0.394	-0.017	-0.055
A006738_01	0.147	0.228	0.348	0.164	0.561	0.787	0.061	0.166
A006742_01	-0.049 NA		-0.164	-0.057	-0.417	-0.33	0.131	0.126
A006744_01	0.201	0.248	-0.006	-0.085	0.145	0.093	-0.09	-0.089
A006748_01	-0.014	-0.057	-0.018	-0.061	0.362	0.352	0.045	-0.005
A006754_01	-0.251	0.039	0.085	0.142	0.484	0.675	0.203	0.365
A006755_01	0.037 NA		0.165	0.125 NA		-0.094 NA	NA	
A006761_01	-0.071	0.19	0.29	0.361	0.4	0.707	-0.196	0.107
A006763_01	NA	NA	0.078	0.038 NA		0.154 NA		0.066
A006769_01	0.238	-0.183	-0.173	-0.153	-0.063	-0.053	-0.18	-0.146
A006771_01	0.178	0.379	-0.637	-0.339	0.145	0.307	0	0.257
A006781_01	-0.145	-0.147	-0.064	0.101	-0.7	-0.702	0.086	0.1
A006787_01	0.113 NA		0.094	0.342	0.187	0.115	0.277	0.132
A006789_01	-0.001 NA		0.366	0.396	0.752	0.734 NA		0.1
A006790_01	-0.168 NA		0.113	0.104 NA		-0.116 NA		0.054

A006794_01	0.038	0.01	-0.18	0.049	-0.136	-0.096	NA	0.141
A006797_01	0.023	0.063	-0.252	-0.024	-0.182	-0.301	-0.073	-0.146
A006799_01	0.483	0.313	-0.024	0.022	0.409	0.485	0.149	0.253
A006800_01	0.27	NA	-0.051	0.206	NA	0.197	0.065	-0.051
A006802_01	-1.011	-1.282	1.235	1.286	1.61	2.106	0.669	0.741
A006803_01	0.032	0.263	0.043	0.059	0.116	0.015	-0.047	0.007
A006804_01	0.168	0.198	-0.006	-0.091	0.078	0.157	-0.004	0.224
A006805_01	-0.212	0.06	-0.014	-0.088	-0.113	0.111	-0.192	-0.014
A006806_01	0.31	0.151	-0.107	0.104	0.254	0.311	0.031	-0.076
A006808_01	0.075	0.167	-0.039	0.114	0.143	0.306	-0.496	-0.401
A006809_01	-0.252	-0.166	-0.304	NA	-0.117	-0.043	NA	NA
A006811_01	0.156	0.201	-0.093	-0.023	0.338	0.348	-0.215	-0.172
A006815_01	0.06	-0.099	0.001	0.109	0.121	0.045	0.006	-0.161
A006816_01	-0.461	-0.159	-0.021	-0.071	-0.141	-0.048	-0.209	-0.114
A006817_01	0.113	0.238	-0.169	-0.034	0.137	0.353	-0.091	0.115
A006819_01	-0.039	-0.056	-0.063	-0.011	0.375	0.516	0.134	0.222
A006821_01	-0.062	-0.14	-0.24	-0.208	-0.182	-0.18	0.042	0.074
A006822_01	0.261	0.209	0.049	0.205	0.31	0.576	0.11	NA
A006824_01	-0.926	-0.755	-1.219	-1.013	-1.863	-2.677	-1.022	-1.215
A006826_01	-0.704	-0.3	-0.297	-0.249	-0.197	-0.031	-0.537	-0.273
A006827_01	0.134	0.02	0.407	0.272	0.317	0.272	-0.231	-0.175
A006828_01	-0.177	0.047	-0.29	-0.021	0.119	0.161	NA	NA
A006829_01	0.407	0.324	-0.026	-0.05	0.52	0.525	0.084	0.002
A006830_01	-0.207	0.115	-0.74	NA	0.128	0.329	NA	0.428
A006831_01	0.035	0.18	NA	NA	-0.148	-0.142	NA	0.099
A006832_01	0.051	0.047	0	0.063	-0.046	0.003	0.19	0.228
A006847_01	-0.737	-0.966	-0.536	-0.385	-1.277	-1.2	-1.404	-1.153
A006849_01	0.195	0.22	-0.422	-0.221	-0.245	-0.212	-0.704	-0.398
A006850_01	0.117	0.102	-0.215	0.226	-0.087	0.301	NA	NA
A006852_01	0.021	NA	0.314	0.204	0.159	0.055	NA	-0.098
A006854_01	-0.019	-0.048	-0.118	0.014	0.461	0.561	0.229	0.04
A006857_01	0.003	0.008	-0.358	-0.047	-0.273	-0.186	0.059	NA
A006864_01	0.039	0.054	-0.239	-0.087	-0.174	0.094	-0.156	0.106
A006867_01	-0.03	-0.031	-0.178	0.028	0.201	0.34	0.139	0.031
A006868_01	0.225	0.457	-0.46	0.038	0.234	0.672	NA	NA
A006869_01	0.073	-0.094	0.249	0.074	0.315	0.231	0.043	0.053
A006871_01	-0.017	0.171	-0.143	-0.126	-0.017	0.066	-0.064	0.011
A006876_01	0.018	0.228	-0.034	0.032	0.072	0.199	-0.026	0.085
A006880_01	-0.235	-0.294	0.177	0.05	-0.243	-0.37	-0.172	-0.003
A006882_01	-0.243	0.014	-0.373	-0.253	-0.11	-0.183	0.167	0.183
A006885_01	0.229	0.416	-0.471	-0.265	0.04	0.108	-0.002	0.06
A006890_01	0.149	NA	0.109	0.078	0.166	0.034	-0.063	-0.154
A006893_01	-0.022	0.212	-0.012	0.094	-0.141	-0.024	-0.192	-0.125
A006896_01	0.074	0.095	0.02	0.144	-0.436	-0.399	-0.152	-0.003
A006897_01	0.294	0.429	0.58	0.399	1.029	1.139	0.146	0.3
A006907_01	0.253	0.291	-0.187	-0.089	0.047	-0.043	0.238	0.235
A006913_01	0.221	0.751	-0.003	-0.039	0.492	0.531	-1.446	-1.025
A006918_01	0.044	0.121	0.077	0.032	0.033	-0.075	0.017	-0.024
A006919_01	0.088	0.117	-0.587	-0.598	-0.317	-0.194	-0.345	-0.135
A006924_01	0.203	NA	-0.605	NA	-0.192	-0.189	NA	0.292
A006928_01	0.094	0.211	0.26	0.524	-0.536	-0.37	NA	NA
A006935_01	0.155	0.277	0.186	0.349	-0.834	-0.963	NA	NA
A006937_01	0.154	0.088	-0.443	-0.189	0.148	0.114	0.229	0.305
A006944_01	0.197	0.402	0.183	0.049	0.774	0.934	-0.058	0.245
A006948_01	-0.085	-0.15	0.056	-0.025	-0.062	-0.154	-0.098	-0.144
A006949_01	0.005	NA	-0.308	0.014	-0.505	-0.307	-0.229	-0.139
A006954_01	0.024	0.337	0.099	0.127	0.449	0.402	-0.062	0.151
A006959_01	NA	NA	0.301	0.298	-0.014	0.008	-0.245	-0.049
A006971_01	-0.12	NA	0.101	0.059	NA	NA	NA	-0.189
A006972_01	-0.533	NA	-0.004	0.198	-0.46	-0.404	0.101	0.045
A006974_01	0.294	NA	-0.047	0.15	0.065	0.158	NA	NA
A006975_01	0.265	0.599	-0.619	-0.648	0.059	0.233	-0.127	0.051
A006984_01	-0.059	-0.162	-0.185	-0.23	-0.445	-0.636	0.093	0.016
A006988_01	-0.414	-0.266	-0.008	-0.097	-0.274	-0.328	-0.062	0.11
A006992_01	0.134	0.083	0.126	0.132	-0.056	-0.393	-0.097	-0.108
A007000_01	0.181	0.284	-0.23	-0.141	0.37	0.527	0.09	0.102
A007002_01	-0.154	NA	-0.188	0.278	-0.065	0.089	NA	-0.215
A007010_01	0.049	0.069	-0.299	NA	0.08	0.249	NA	NA

A007017_01		0.437	0.151	-0.185	-0.064	0.36	0.377 NA	NA	
A007021_01		-0.218	-0.165	-0.07	-0.089	-0.376	-0.307	0.138	0.19
A007023_01		-0.037	0.06	-0.039	0.227	-0.451	-0.441	0.014	-0.121
A007045_01		0.394 NA		-0.13 NA		0.184	0.193 NA	NA	
A007051_01		-1.167 NA		-0.062 NA		-0.714	-0.766 NA	NA	
A007052_01		0.138	0.326	-0.016	-0.231	0.414	0.468 NA	NA	
A007054_01		-0.087	-0.042	0.292	0.411	-0.608	-0.866	-0.211	-0.269
A007058_01		0.617	0.558	0.261	0.423	0.37	0.613	0.148	0.015
A007061_01		-0.564	-0.602	-0.344	-0.312	-0.483	-0.407	-0.414	-0.325
A007062_01		-0.055 NA		0.043	-0.101 NA		0.04	0.174	-0.003
A007064_01		-0.244	-0.267	0.178	0.268	-0.191	-0.258	-0.125	0.019
A007067_01		-0.172	-0.136	-0.338	-0.385	-0.064	-0.065	0.082	0.262
A007073_01		-0.364	-0.417	-0.103	0.001	-0.419	-0.394	-0.148	-0.181
A007075_01		0.36	0.28	-0.131	-0.106	0.572	0.585	0.471	0.439
A007087_01		0.298 NA		0.09	0.152 NA		0.257	0.334	0.047
A007090_01		0.019	0.213	-0.115	0.019	0.203	0.298	0.019	0.12
A007093_01		0.112	0.071	-0.094	-0.036	0.195	0.102	0.206	0.178
A007098_01		0.092 NA		0.003 NA		0.015	0.037 NA	NA	
A007103_01		0.015	0.023	-0.334	-0.17	-0.039	-0.029	0.088	0.209
A007112_01		0.352	0.189	-0.112	-0.037	0.154	0.135	0.067	-0.064
A007117_01		0.133	0.148	-0.017	0.273	-0.29	-0.33 NA		0.001
A007119_01		0.147	0.322	0.229	0.332	0.15	0.463	0.138	0.062
A007130_01		-0.032	-0.077	0.208	0.233	0.229	0.192	0.012	-0.089
A007131_01	NA	NA		0.031	0.023 NA	NA	NA		-0.077
A007132_01		-0.085 NA		-0.283	-0.144 NA	NA		0.119	0.159
A007142_01		-0.41	-0.232	-0.048	0.054	-0.041	0.019	0.13	0.215
A007148_01		-0.225	0.066	-0.054	-0.055	0.464	0.623	-0.013	0.116
A007152_01		-0.179 NA		-0.239	-0.073 NA		-0.482 NA		0.051
A007153_01		-0.026	-0.134	-0.23	-0.149	0.062	0.016	0.04	-0.074
A007158_01		0.129 NA		-0.13	0.058 NA		-0.056 NA		0.045
A007167_01		0.216	0.197	-0.191	-0.025	-0.008	0.05	-0.172	-0.217
A007169_01		0.138	-0.177	-0.128	-0.202	-0.106	-0.266 NA		-0.137
A007170_01		-0.037 NA		0.059	-0.284	0.272	0.177	0.046	0.098
A007173_01		0.153	-0.088	-0.148	0.048	0.006	-0.098	0.149	-0.144
A007183_01		0.069	-0.076	0.045	0.08	-0.076	-0.287	0.071	0.029
A007211_01		0.23	0.277	-0.046	-0.224	0.371	0.316	-0.135	-0.149
A007218_01		-0.86 NA		-0.105 NA		-0.907	-0.583 NA	NA	
A007219_01		-0.251	-0.03	0.358	0.345	-0.548	-0.609	-0.188	-0.177
A007221_01		0.253	0.032	0.209	0.15	0.32	0.234	-0.199	-0.341
A007222_01		0.112	0.139	-0.14	-0.252	-0.199	-0.186	0.089	0.158
A007225_01		-0.285	-0.305	0.185	-0.035	0.211	0.229	0.185	0.136
A007228_01		0.042	-0.021	0.111	0.021	-0.025	-0.218	-0.323	-0.035
A007234_01		-0.342	-0.201	-0.12	-0.104	-0.119	0.044	-0.138	-0.021
A007242_01		0.132	-0.088	-0.031	-0.025	0.099	0.068 NA	NA	
A007243_01		0.031	-0.146	0.307	0.277	0.517	0.515	0.076 NA	
A007245_01		0.028	-0.308	0.146	0.003	-0.415	-0.936 NA		-0.072
A007246_01		-0.928	-0.752	-1.598	-1.411	-1.554	-2.254	-0.466	-0.77
A007250_01		0.068 NA		0.119	0.179	0.254	0.204	0.243	0.109
A007251_01		-0.485 NA		0.196	0.276	0.518	0.723	0.181	0.156
A007252_01		-0.198	0.164	0.226	0.113	-0.446	-0.431	0.015	0.205
A007255_01		-0.052	0.038	0.285	0.143	0.046	0.199	0.095 NA	
A007256_01		0.539 NA		0.105	-0.032 NA		-0.565 NA		-0.411
A007258_01		0.04	0.214	-0.056	-0.079	0.025	0.014	-0.394	-0.085
A007259_01		-0.289	-0.233	-0.096	0.071	-0.315	-0.122	-0.307	-0.143
A007260_01		-0.066	-0.27	0.241	0.338	0.675	0.95	0.315	0.16
A007262_01		-0.06	0.022	-0.352	-0.422	-0.249	-0.294	-0.062	0.223
A007265_01		-0.085	-0.1	-0.097	0.029	0.037	0.053	0.155	0.161
A007266_01		0.394	0.133	0.156	-0.119	0.163 NA		-0.017	-0.08
A007268_01		0.174	-0.017	-0.172	-0.244	0.085	0.075	0.016	0.025
A007272_01		0.106 NA		0.205	0.146 NA		0.091	0.037 NA	
A007273_01		0.115 NA		0.285	0.122 NA		-0.606 NA	NA	
A007274_01		-0.13	-0.237	-0.131	-0.041	-0.08	-0.053	-0.091	-0.176
A007275_01		-0.077 NA		-0.148	-0.123	0.348	0.325	0.064	0.163
A007277_01		-0.03	0.025	-0.013	-0.071	-0.077	-0.009	-0.153	-0.058
A007278_01		-0.266	-0.284	0.136	0.147	0.256	0.468	0.196	0.199
A007279_01		0.065	0.192	0.574	0.406	-0.207	-0.439	-0.14	-0.281
A007280_01		-0.231	-0.135	-0.05	-0.08	0.186	0.402	-0.07	-0.033
A007281_01		0.413	0.152	-0.093	-0.023	0.247	0.24	0.288	0.186

A007283_01	0.444	0.267	0.06	-0.007	0.216	0.134	-0.097	-0.115
A007284_01	0.7 NA		0.077	0.221 NA	NA		0.159	0.03
A007285_01	0.201	0.517	0.155	0.22	0.104	0.376	-0.435	-0.163
A007287_01	0.101	0.143	-0.109	0.147	-0.223	-0.216	0.168	0.209
A007288_01	0.089	-0.028	0.235	0.069	-0.904	-1.447	0.139	-0.061
A007290_01	-0.19	-0.178	-0.029	0.058	-1.062	-1.284	-0.299	-0.377
A007291_01	0.191	0.074	-0.356	-0.383	-0.392	-0.758	-0.492	-0.523
A007293_01	-0.103	0.084	-0.082	0.047	-0.085	0.046	0.05	0.076
A007294_01	0.457	0.345	-0.195	-0.202	0.899	1.041	0.523	0.505
A007297_01	-0.122	-0.031	0.013	0.138	0.137	0.295	0.128	-0.051
A007298_01	0.204	0.195	-0.007	0.042	0.256	0.311	0.023	-0.069
A007299_01	0.763	0.374	-0.072	0.038	0.438	0.325	0.333	0.163
A007300_01	-0.512	-0.504	-0.023	-0.182	-0.14	-0.213	-0.465	-0.498
A007302_01	-0.286	-0.324	-0.121	-0.193	0.408	0.612	-0.163	-0.099
A007303_01	-0.262	-0.073	0.166	-0.007	-0.005	-0.133	0.021	0.01
A007305_01	-2.029	-1.82	-0.289	-0.248	-1.822	-1.676	-2.289	-1.892
A007306_01	-0.291	-0.174	0.204	0.486	0.392	0.524	-0.361	-0.088
A007307_01	-0.102	0.032	-0.226	-0.038	-0.211	-0.174	-0.038	0.125
A007309_01	0.125	-0.004	-0.004	0.13	0	-0.11	-0.052	-0.056
A007310_01	0.393	0.246	0.055	0.15	0.513	0.427	0.213	0.188
A007311_01	0.031	0.076	-0.187	-0.195	-0.465	-0.931	-0.063	-0.255
A007313_01	-0.41 NA		0.218	0.237 NA		-0.452 NA	NA	
A007314_01	-0.175	0.077	-0.185	-0.069	0.148	0.357	0.092	0.261
A007315_01	0.53	0.594	0.291	0.075	0.538	0.59	-0.176	0.026
A007317_01	0.032 NA		0.158	0.152 NA	NA		0.048	-0.084
A007318_01	-1.089	-0.718	0.47	0.285	0.219	0.351	-0.307	-0.387
A007320_01	0.143	0.207	0.087	0.143	-0.081	-0.171	-0.019	-0.003
A007322_01	0.073	0.171	-0.06	0.022	-0.382	-0.415	0.09	0.112
A007324_01	-0.027	-0.014	-0.336	0.096	-0.201	-0.129 NA	NA	
A007325_01	0.369	0.382	0.064	-0.079	0.007	-0.235	0.006	0.012
A007327_01	0.055	0.098	0.149	0.23	0.038	0.168	-0.514	-0.475
A007331_01	-0.112	-0.354	-0.188	0.052	-0.378	-0.245	0.06	-0.038
A007333_01	0.197 NA		0	-0.007	-0.953	-1.001 NA		-0.359
A007334_01	-0.332	-0.384	0.172	-0.096	0.008	0.114	-0.119	-0.131
A007335_01	0.298	0.12	-0.034	0.061	0.085	0.032	0.05	-0.092
A007336_01	0.244	0.15	-0.113	-0.096	-0.179	-0.225	-0.349	-0.355
A007338_01	-0.248	-0.178	-0.027	-0.041	-0.73	-0.785	-0.432	-0.369
A007340_01	-0.401	-0.262	0.007	0.022	-0.154	-0.264	0.045	-0.01
A007341_01	-0.321	-0.213	0.379	0.427	0.332	0.437	0.276	0.225
A007342_01	-0.589	-0.834	-0.404	-0.483	-1.111	-1.328	-0.564	-0.661
A007347_01	-0.364	-0.356	-0.153	-0.148	0.077	0.289	-0.186	0.117
A007348_01	0.131	0.072	0.161	0.006	-0.034	-0.174	-0.004	0.088
A007349_01	-0.256	-0.06	-0.134	-0.107	0.02	0.131	0.175	0.125
A007351_01	0.002 NA		-0.294	-0.149	0.23	0.305	-0.188	-0.029
A007353_01	-1.056	-0.448	-0.409	-0.339	0.803	1.372	-0.106	0.442
A007354_01	0.273 NA	NA	NA	NA	NA	0.079 NA	NA	
A007357_01	-0.337	-0.409	-0.43	-0.232	-1.605	-1.785	-0.67	-0.678
A007361_01	-0.001	0.009	-0.079	-0.077	0.124	0.333	0.146	0.338
A007362_01	0.694	1.007	-0.348	-0.308	-0.837	-1.146	0.367	0.703
A007363_01	0.023	0.067	-0.077	-0.066	-0.136	-0.147	0.034	0.079
A007364_01	0.141	0.036	0.112	0.074	-0.026	-0.113	-0.044	-0.146
A007365_01	-0.014	0.085	-0.093	0.027	-0.196	-0.151	-0.503	-0.513
A007366_01	0.107 NA		0.024	0.134	0.12	0.103	-0.055	-0.118
A007367_01	-0.395	-0.286	-0.043	0.049	-0.62	-0.589	-0.095	-0.177
A007370_01	0.162	0.129	0.132	0.037	-0.842	-1.129	0.064	0.353
A007372_01	-0.125	-0.011	0.092	0.198	-0.274	-0.297	-0.184	-0.216
A007373_01	-0.055	-0.286	0.016	-0.006	-0.548	-0.665	0.11	-0.07
A007375_01	0.243	0.083	0.113	0.148	0.149	-0.028	0.229	0.128
A007379_01	0.125	0.028	0.188	0.14	-0.026	0.069	-0.265	-0.152
A007382_01	0.345	0.257	0.075	-0.156	-0.369	-0.498	-0.121	-0.207
A007383_01	0.122	0.268	0.56	0.599	0.474	0.66	-0.188	-0.102
A007384_01	-0.013	0.122	0.073	-0.027	-0.143	0.047	-0.425	-0.27
A007385_01	-0.217	-0.351	0.402	0.301	0.71	0.9	-0.055	-0.075
A007386_01	NA	0.104	-0.262	-0.281	0.132	0.023	-0.021 NA	
A007387_01	0.008	-0.151	-0.209	0.022	-0.288	-0.134	0.125	0.075
A007394_01	0.043 NA		-0.05	0.056 NA		0.046 NA		-0.002
A007395_01	0.036	0.179 NA		0.136	0.297	0.238	0.187	0.13
A007405_01	0.364	0.426	0.209	0.091	0.237	-0.016	-0.013	0.055

A007406_01		0.502	0.023	0.031	-0.187	0.317	-0.063	0.163	-0.056
A007409_01		-0.413 NA		0.142	0.191 NA		-0.086 NA	NA	
A007414_01		0.222	0.466	0.209	0.076	0.43	0.413	-0.344	-0.242
A007422_01		-0.103	-0.057	0.094	0.196	0.145	0.166	-0.216	-0.117
A007424_01		0.216	0.266 NA	NA		0.031	0.103 NA		0.222
A007428_01		0.074	0.015	-0.05	-0.192	0.2	0.209 NA		0.212
A007429_01		0.835	0.601	0.287	0.228	-0.024	-0.036	-0.152	-0.302
A007430_01		-0.014	0.03	-0.047	-0.279	-0.077	0.106	-0.066	0.063
A007431_01		0.161	0.008	-0.189	-0.095	0.209	0.339	0.134	0.049
A007433_01		0.748	0.663	0.583	0.546	0.797	0.78	0.319	0.453
A007434_01		0.179 NA		0.004	0.024	0.052	0.001	0.147	0.253
A007435_01		0.074 NA		0.023	0.101	-0.268	-0.182 NA		0.149
A007436_01		-0.14 NA		-0.001	0.093 NA		0.385 NA		0.353
A007438_01		-0.035	0.038	-0.036	0.083	-0.252	-0.096	-0.231	0.041
A007442_01		-0.189	0.014	-0.087	-0.034	0.192	0.426	-0.409	-0.144
A007445_01		0.015	0.008	-0.067	-0.097	0.176	0.141	-0.023	0.181
A007459_01		-0.183 NA		-0.71	-0.44	0.009	0.211 NA		0.538
A007468_01		0.181 NA		-0.008	0.138	-0.215	0.002 NA	NA	
A007475_01	NA		-1.819	-0.557	-0.557 NA		-3.114	-2.011	-1.632
A007479_01		0.018	-0.094	-0.354 NA		-0.147	0.009 NA	NA	
A007484_01		-0.137	-0.195	-0.368	-0.172	0.119	0.018	0.475	0.246
A007485_01		0.073	0.016	0.002	0.095	-0.249	-0.237	0.043	0.07
A007498_01		0.137	0.071	0.006	-0.068	0	0.001 NA	NA	
A007499_01	NA		0.57	0.121	0.181 NA		-0.21	-0.209	0.093
A007502_01		0.108 NA		-0.206 NA		0.419	0.512 NA		0.482
A007508_01		-0.19 NA		-0.007	0.17 NA		-0.14	-0.032	0.069
A007510_01		-0.228	-0.064	-0.172	-0.113	0.011	0.273	-0.184 NA	
A007513_01		-0.357	-0.154	-0.035	0.15	-0.491	-0.309 NA		-0.063
A007519_01		-0.118 NA		-0.193 NA		-0.54	-0.25 NA	NA	
A007520_01		0.056	0.124	0.12	0.219	0.254	0.391	0.143	0.172
A007521_01		0.082	-0.077	-0.112	0.115	-0.161	-0.113 NA	NA	
A007522_01		0.096	-0.078	-0.125	-0.103	-0.07	-0.138	0.198	0.131
A007524_01		0.216	0.052	-0.136	-0.167	0.241	0.316	-0.046	-0.068
A007526_01		0.384 NA		0.259	0.01 NA	NA	NA	NA	0.211
A007530_01		0.403	0.501	0.146	0.057	0.334	0.315	0.12	0.216
A007535_01		0.349	0.43	-0.173	-0.131	-0.331	-0.239	0.177	0.376
A007537_01		0.022	0.095	0.154	0.06	0.179	0.098	0.05	0.172
A007548_01		0.238	0.276	0.894	0.703	0.959	1.352	-0.241	-0.067
A007549_01		0.117	0.043	0.032	0.046	-0.229	-0.102	0.08	0.124
A007554_01		0.079 NA		-0.04	0.105	0.263	0.379	-0.044	0.264
A007555_01		-0.774 NA		-0.195	0.037 NA	NA	NA		0.029
A007564_01		-0.118	-0.148	0.248	0.315	-0.136	0.144 NA	NA	
A007565_01		0.177 NA		-0.05	0.106	0.064	0.166	-0.168	0.025
A007567_01		-0.06	0.087	-0.154	-0.438	-0.019	-0.053	-0.221	0.234
A007573_01	NA	NA		0.168	0.273	-0.075	-0.091 NA	NA	
A007575_01		0.22	0.102	0.144	0.129	-0.248	-0.487	0.001	-0.076
A007577_01		0.149	0.538	0.198	0.136	0.221	0.258 NA	NA	
A007582_01		0.162	0.009	0.21	0.04	0.061	-0.174 NA	NA	
A007584_01		-0.166	0.006	-0.127	-0.119	0.222	0.371	0.037	0.171
A007589_01		0.043	-0.054	0.089	0.236	0.086	0.13	-0.016	0.013
A007590_01		0.049	0.041	-0.085	0.185	-0.366	-0.161	-0.068	-0.18
A007593_01		-0.043	-0.203	-0.173	-0.096	-0.224	-0.402	-0.005	-0.082
A007596_01		0.253 NA		0.122	0.086	0.415	0.339	-0.04	0.026
A007597_01		0.236	0.122	-0.045	-0.192	0.034	-0.229	0.157	0.069
A007599_01	NA	NA		0.311	0.261	0.76	0.896	0.178	0.314
A007600_01		-0.011	-0.204	0.128	0.118	-0.157	-0.181	0.159	0.019
A007604_01		0.675	0.518	0.409	0.252	0.765	0.867	0.182	0.388
A007606_01		-0.091	-0.405	-0.156	-0.115	-0.292	-0.23	-0.102	-0.149
A007616_01		-0.329 NA		-0.067	-0.122 NA		-0.369 NA	NA	
A007618_01		-1.002	-0.725	0.844	1.007	1.212	1.724	0.412	0.538
A007620_01		-0.04 NA		-0.093	-0.064	-0.126	-0.189	0.087	0.235
A007621_01		-0.24 NA		-0.232	-0.186	0.099	0.147 NA		0.343
A007622_01		-0.271	-0.48	-0.065 NA		-0.683	-0.686 NA	NA	
A007627_01		-0.766	-0.791	-0.088	0.166	-1.158	-1.316	0.105	0.121
A007630_01		0.341	0.026	0.19	0.048	-0.224	-0.573	0.213	-0.16
A007644_01		-0.169 NA		-0.176	0.175 NA		-0.411 NA		0.086
A007646_01		-0.045	0.046	0.262	0.247	-0.147	-0.142	-0.488	-0.365
A007648_01		0.021	-0.006	-0.117	-0.248	0.061	0.099	-0.065	0.024

A007649_01	0.079	-0.007	0.184	0.08	0.677	0.429	0.395	0.38
A007651_01	0.355	0.277	0.085	0.044	-0.402	-0.528	0.259	0.171
A007654_01	-0.321	-0.268	0.084	-0.076	0.454	0.529	-0.057	-0.107
A007656_01	-0.332	0.113	-0.381	-0.105	-1.677	-1.719	-0.395	-0.323
A007657_01	-0.027	-0.085	-0.126	0.058	0.101	0.14	0.07	0.013
A007659_01	-0.082	0.02 NA		0.053	0.104	0.245 NA		0.019
A007665_01	-0.295	-0.259	-0.037	0.046	0.261	0.25	0.102	-0.026
A007680_01	0.074	0.285	0.138	0.001	0.297	0.318	-0.068	0.196
A007686_01	-0.164	-0.11	-0.334	-0.329	0.695	0.94	-0.094	0.018
A007696_01	0.353	0.574	-0.185	-0.139	0.408	0.442	0.29	0.542
A007697_01	0.198	0.081	0.12	0.014	0.152	0.229	-0.012	-0.018
A007702_01	0.164	-0.141	0.235	0.288	-0.031	-0.09	0.011	-0.031
A007704_01	0.577	0.532	-0.275	0.016	-0.015	-0.128	-0.116	-0.097
A007709_01	0.027	-0.196	-0.01	-0.16	0.132	0.094	0.149	0.028
A007714_01	-0.222	-0.023	-0.014	-0.001	0.346	0.303	0.204	0.319
A007716_01	0.266	0.342	-0.429 NA		-0.002	0.188 NA		0.493
A007723_01	-0.139 NA		-0.165	-0.044 NA		-0.685 NA	NA	
A007725_01	-0.002	-0.064	-0.074	-0.011	-0.324	-0.333	0.046	-0.077
A007727_01	0.143 NA		-0.133	-0.05 NA		0.325	-0.025	-0.003
A007730_01	0.02	0.15	-0.051	0.112	-0.49	-0.169	-0.057	-0.032
A007733_01	-0.144	-0.073	-0.075	-0.115	-0.712	-1.066	-0.203	-0.057
A007736_01	0.115	-0.01	-0.158	-0.03	-0.108	-0.1	-0.012 NA	
A007739_01	0.055 NA		0.256	0.322 NA		-0.283	0.003	-0.125
A007744_01	-0.323 NA		0.094	0.128	-0.359	-0.631 NA		-0.067
A007746_01	-0.351	-0.4	0.607	0.502	1.309	1.632	0.406	0.477
A007749_01	0.253 NA		0.008	0.288 NA		-0.064	-0.183	-0.142
A007750_01	0.251	0.511	-0.006	0.081	0.189	0.24	0.076	0.327
A007753_01	0.196	0.068	0.251	0.18	0.565	0.607	0.223	0.16
A007756_01	0.11	0.141	0.098	0.06	0.183	0.194	-0.836	-0.76
A007757_01	-0.473 NA		-0.077 NA	NA	NA	NA	NA	
A007759_01	0.186	0.067	-0.125	-0.134	0.07	-0.063	0.089	-0.1
A007762_01	-0.127 NA		0.355	0.222 NA	NA	NA		0.008
A007765_01	-0.04	-0.039	0.041	-0.017	0.059	0.036 NA	NA	
A007766_01	-0.175	0.134	0.026	-0.12	0.093	0.247	-0.28	0.072
A007767_01	0.243	0.426	0.529	0.433	0.584	0.544	0.454	0.603
A007768_01	0.385	0.445	-0.04	0.074	-0.473	-0.801	-0.007	-0.012
A007770_01	0.062 NA		0.157	0.215	0.192	0.451	0.156	0.308
A007776_01	-0.299 NA		0.303	0.357	-0.421	-0.571 NA	NA	
A007778_01	0.112	-0.006	0.074	0.105	0.023	-0.035	-0.14	-0.108
A007781_01	0.07	0.166	-0.059	-0.157	-0.119	-0.05	0.157	0.15
A007786_01	0.397 NA		-0.132	-0.142	0.31	-0.006 NA		-0.028
A007791_01	-0.028	-0.081	0.02	0.158	0.472	0.766	0.209	0.153
A007792_01	-0.185	-0.09	-0.165	-0.264	-0.155	0.028	-0.084	0.05
A007793_01	0.075	-0.026 NA	NA		-0.182 NA	NA		-0.123
A007794_01	0.168	0.412	0.442	0.282	0.249	0.077	0.004	0.108
A007795_01	0.425	0.618	-0.071	-0.006 NA		-1.387	-0.066 NA	
A007797_01	-0.784	-0.533	-0.516	-0.367	-2.406	-2.566	-0.763	-0.476
A007798_01	-0.176 NA		0.061	0.354 NA		0.113	0.152	0.117
A007801_01	-0.01	0.339	-0.093	-0.167	-0.085	-0.286	-0.024	0.121
A007804_01	-0.468	-0.471	0.032	0.098	-0.405	-0.406	-0.542	-0.235
A007805_01	-0.248 NA		0.431	0.193	-0.5	-0.375	-0.099	-0.129
A007806_01	-0.025 NA		0.349	0.171 NA		-0.651 NA	NA	
A007808_01	-0.207 NA		-0.128	-0.189	-0.275	-0.441	0.116	0.008
A007809_01	-0.202	-0.106	0.178	-0.079	-0.087	-0.166	0.048	0.282
A007810_01	-0.219	-0.161	0.295	0.327	-0.295	-0.468	-0.306	-0.299
A007811_01	-0.341 NA		-0.118	-0.129 NA		0.012 NA	NA	
A007812_01	-0.462	-0.461	-0.155	-0.213	0.738	0.975	0.183	0.258
A007814_01	-0.054 NA		-0.133	0.023	0.345	0.556	0.394	0.416
A007815_01	-1.75	-1.193	0.135	0.264	-2.087	-2.03	-0.95	-0.722
A007816_01	-0.969	-0.767	0.326	0.33	-1.05	-0.774	-1.071	-0.544
A007817_01	0.245	0.226	0.121	0.362 NA		-0.028	0.003	0.031
A007820_01	0.405	0.42 NA	NA		0.866	1.053 NA	NA	
A007823_01	-0.214	0.047	-0.077	0.142	-0.068	-0.066	0.198	0.266
A007827_01	0.281	0.32	0.26	0.268	0.045	-0.004	-0.287	-0.159
A007829_01	0.061	0.262	0.062	-0.053	0.3	0.439	0.115	0.245
A007830_01	0.151	-0.057	-0.128	-0.102	0.558	0.605	0.229	0.101
A007832_01	0.044	0.021	-0.111	-0.093	0.214	0.346	0.066	0.03
A007833_01	0.193 NA		0.024 NA		0.197	0.151 NA	NA	

A007834_01		-0.107 NA		-0.149 NA		0.026	0.14 NA		NA	
A007835_01		-0.055	0.326	-0.038	0.121	0.024	0.135	0.283		0.385
A007836_01		0.081	-0.066	-0.991 NA		-0.876	-1.265 NA		NA	
A007840_01		-0.164 NA		-0.171	-0.163 NA		-0.568	0.181		0.087
A007844_01		0.302	0.311	-0.336	-0.158	0.589	0.763	0.201		0.141
A007846_01		-0.058	0.187	-0.397	-0.205	0.182	0.28 NA			0.205
A007848_01		0.128	0.06	-0.038	-0.022	0.143	0.005	0.08		-0.006
A007850_01		0.156 NA		0.049	0.157 NA		0.12 NA			0.049
A007852_01		0.272	0.261	-0.017	0.009	-0.019	-0.184	0.03		-0.004
A007859_01		-0.039	0.061	-0.272	-0.084	0.392	0.686	0.322		0.202
A007860_01		0.325	0.303	-0.373	-0.372	0.584	0.574	0.586		0.6
A007862_01		0.26	0.295	0.403	0.306	-0.204	-0.431 NA			-0.163
A007865_01		0.093	0.127	-0.051	-0.055	0.069	0.093	0.036		0.036
A007868_01		0.247	0.003	-0.152	0.082	0.065	0.097	0.089		-0.015
A007870_01		-0.088	-0.067	-0.161	-0.009	-0.216	-0.197	-0.216		-0.165
A007871_01		-0.335	-0.281	-0.107	-0.152	-0.101	-0.026	-0.042		-0.064
A007873_01		-0.327	-0.281	-0.19	-0.118	-0.33	-0.321	0.208		0.113
A007875_01		-0.106	-0.094	0.037	0.309	-0.012	0.046	-0.141		-0.109
A007876_01		0.427	0.22	0.485	0.532	0.653	0.798	0.121		-0.025
A007877_01		0.206	0.3	0.229	0.096	0.189	0.07	-0.142		-0.003
A007878_01		0.184	0.02	-0.086	-0.176	-0.435	-0.703	0.172		0.012
A007880_01		0.211	0.305	-0.2	-0.088	0.483	0.575	0.285		0.3
A007883_01		-0.323	-0.195	-0.156	-0.361	-0.073	0.172	0.136		0.179
A007885_01	NA		0.189	-0.181	-0.051	0.014	0.175	0.03		-0.023
A007886_01		-0.024	0.046	-0.399	-0.457	0.042	0.141	-0.078		0.16
A007891_01		-0.445	-0.302	0.797	0.698	1.003	1.331	0.301		0.027
A007892_01	NA	NA		0.761	0.697	0.268	0.3	-0.486		-0.396
A007893_01	NA	NA		0.083	0.13 NA		-0.328	-0.138		-0.148
A007894_01		-0.262	-0.149	-0.001	-0.092	-0.215	-0.142	-0.376		-0.204
A007896_01		-0.029	-0.003	-0.151	-0.094	-0.443	-0.698	0.413		0.362
A007897_01		0.021 NA		0.132 NA		0.896	1.189 NA			0.633
A007898_01		-0.43	-0.47	0.963	0.997	0.948	1.381	0.143		0.015
A007899_01		0.021 NA		-0.346	0.028	-0.076	0.1 NA			0.128
A007901_01		-0.273	-0.21	0.105	0.311	-0.396	-0.464	-0.164		-0.24
A007902_01		0.075	0.095	-0.158	-0.209	0.052	0.185	-0.024		0.059
A007903_01		-0.202	-0.306	-0.078	-0.1	-0.23	-0.334	0.016		-0.12
A007905_01		0.024 NA		0.842	0.986 NA		-0.243	-0.647		-0.698
A007906_01		0.056	-0.031	0.105	0.069	0.212	0.246	0.24		0.131
A007923_01		0.107	0.072	0.051	0.199	-0.448	-0.63 NA			0.067
A007924_01		0.019 NA		0.034 NA	NA		-0.268 NA	NA		
A007925_01		0.109 NA		0.05	-0.048 NA		-0.049 NA			-0.006
A007926_01		-0.267	0.193	0.042	-0.454	0.275	0.5	0.024		0.481
A007929_01		-0.468 NA		0.144	0.073	-0.357	-0.474 NA			-0.281
A007930_01		-0.066	-0.023	-0.324	-0.155	-0.44	-0.409	-0.146		-0.062
A007931_01		-0.191 NA		-0.434	-0.024	-0.477	-0.288 NA	NA		
A007932_01		0.048 NA		-0.012	0.176 NA		0.229	0.292		0.313
A007934_01		-0.143	-0.289	-0.25	0.023	-0.375	-0.437 NA			-0.111
A007939_01		-0.013	-0.013	0.065	-0.084	-0.107	-0.321 NA			-0.063
A007941_01		0.069	-0.139	-0.175	-0.128	0.116	0.245	0.275		0.141
A007942_01		0.16	0.399	-0.007	0.043	0.212	0.252	-0.067		0.086
A007945_01		-0.13 NA		-0.226 NA		0.049	0.128 NA			0.237
A007947_01		-0.176	-0.209	-0.105	-0.217	0.283	0.324	0.1		0.185
A007949_01		-0.695	-0.695	-0.276	-0.268	-0.587	-0.46	-0.264		-0.043
A007950_01		0.107	0.243	-0.123	-0.086	-0.456	-0.647	-0.256		-0.072
A007951_01		-0.016	-0.03	-0.312	-0.182	-0.157	-0.091	-0.063		-0.156
A007952_01		0.061	0.036	0.01	0.037	0.233	0.252	0.198		0.133
A007953_01		-0.07	0.075	-0.336	-0.314	0.043	0.142 NA			0.199
A007954_01		0.303	0.252	0.147	0.064	0.088	-0.052 NA	NA		
A007955_01		-0.302	-0.326	-0.491	-0.424	0.23	0.355	-0.341		-0.404
A007959_01		0.273	0.203	-0.079	-0.092	0.409	0.397	0.328		0.332
A007961_01		-0.153	0.247	0.177	0.154	-0.02	0.037	-0.243		-0.058
A007964_01		-1.368	-1.321	-0.043	0.128	-1.805	-1.741	-1.795		-1.693
A007966_01		0.396	0.532	0.097	0.065	0.37	0.413	0.028		0.141
A007967_01		-0.081	-0.138	-0.101	-0.014	0.14	0.25	-0.304		-0.211
A007969_01		-0.261	-0.254	-0.239	-0.27	0.013	0.089	0.044		-0.032
A007971_01		-0.002 NA		0.477	0.233	0.658	0.729 NA			0.251
A007973_01		0.174 NA		0.267	0.143	0.941	0.905	0.241		0.122
A007974_01		-0.133	0.008	0.364	0.564	0.863	1.211	0.478		0.543

A007975_01	-0.619	-0.698	-0.959	-0.84	-0.542	-0.521	-0.707	-0.565
A007977_01	0.547	0.766	-0.172	0.001	0.392	0.313	0.07	0.341
A007981_01	-0.949 NA		-0.119	0.099	0.131	0.448	-0.6	-0.325
A007982_01	0.045	-0.049	-0.057	-0.049	0.06	0.076	-0.213	0.005
A007983_01	0.062 NA		-0.135	0.315	-0.035	0.052 NA	NA	
A007988_01	0.4	0.118	-0.063	-0.054	0.041	0.029	0.078	0.027
A007989_01	0.344	0.277	0.126	0.229	0.139	0.272 NA	NA	
A007993_01	0.176	0.407	0.028	0.151	-0.322	-0.481	-0.081	-0.086
A007994_01	-0.347	-0.194	-0.064	-0.255	-0.053	-0.075	0.096	0.252
A007998_01	-0.043 NA		-0.4	-0.333	-0.119	-0.049 NA		0.064
A008004_01	0.116	0.058	-0.275	-0.111	0.206	0.275	0.111	-0.012
A008005_01	0.07 NA		0.143 NA		-0.772	-0.683 NA	NA	
A008007_01	0.191	0.238	-0.418	-0.343	-0.489	-0.563	-0.222	-0.144
A008009_01	-0.435	-0.267	-0.225	0.11	-0.207	0.011 NA	NA	
A008010_01	-0.104	-0.046	-0.389	-0.143	-0.174	0.013	-0.038	0.141
A008012_01	0.177	-0.06	0.165	0.064	0.15	0.183	-0.166	-0.031
A008014_01	0.13	0.154	-0.083	-0.21	0.053	-0.019	0.082	0.329
A008017_01	-0.467	-0.397	0.02	-0.07	-0.252	-0.386	0.17	0.145
A008018_01	-0.115	0.232	-0.026	0.111	-0.028	0.224	-0.205	0.155
A008026_01	0.226	0.281	0.267	0.454	-0.538	-0.602	-0.093	-0.186
A008027_01	-0.124	-0.125	-0.244	-0.213	-0.199	-0.308	0.014	0.019
A008033_01	-0.113	-0.303	-0.197	-0.07	-0.255	-0.268	-0.018	0.078
A008035_01	-0.011	-0.051	-0.134	-0.055	0.059	0.221	-0.082	0.045
A008036_01	-0.019	-0.089	-0.14	-0.127	-0.066	-0.008	-0.016	-0.057
A008038_01	-0.192	-0.083	0.08	0.086	-0.219	-0.265	-0.375	-0.219
A008039_01	-0.051	0.117	0.203	-0.038	0.287	0.444	0.011	0.169
A008042_01	0.355	0.445	0.298	0.384	0.781	1.161	-0.012	0.023
A008043_01	0.125	0.164	-0.364	-0.026	0.064	0.256 NA	NA	
A008044_01	0.004 NA		-0.193 NA	NA		0.15 NA	NA	
A008047_01	0.031 NA		-0.003	0.176	-0.309	-0.217	-0.28	-0.104
A008049_01	0.181 NA		0.494	0.431 NA		-0.822	-0.062	-0.148
A008052_01	-0.502 NA	NA	NA		0.277	0.564 NA	NA	
A008053_01	-0.199	0.232	0.143	0.157	0.04	0.123	0.171	0.517
A008055_01	-0.828	-0.719	-0.634	-0.769	-1.812	-1.747	-1.707	-1.163
A008056_01	-0.513	-0.69	-0.655	-0.836	-1.986	-2.029	-1.998	-1.611
A008060_01	-0.286	-0.496	-0.362	-0.325	-0.695	-0.762	-0.517	-0.415
A008068_01	-0.02	0.049	-0.145 NA		0.373	0.518 NA	NA	
A008070_01	0.076 NA		0.271	0.26	-0.175	-0.183 NA		-0.067
A008074_01	0.305	0.232	-0.004	-0.047	0.008	0.017 NA	NA	
A008081_01	0.05	-0.049	-0.269	-0.004	-0.326	-0.271	-0.047	-0.055
A008083_01	0.094	0.181	-0.004	0.048	0.181	0.195	0.22	0.262
A008087_01	-0.337	-0.035	-0.002	-0.077	-0.142	0.178	-0.431	0.035
A008088_01	-0.148	0.267	-0.045	0.14	-0.114	-0.007	0.016	0.082
A008089_01	-0.195	-0.266	-0.811	-0.463	-0.476	-0.436	-0.019	0.029
A008090_01	0.072 NA		-0.067	-0.168	0.083	0.07	0.222	-0.049
A008092_01	0.009	-0.058	-0.026	-0.042	-0.222	-0.519	0.036	-0.1
A008094_01	0.327	0.143 NA	NA		-1.131	-1.565 NA		0.621
A008107_01	0.03	-0.221	0.027	0.023	-0.377	-0.497	0.289	0.025
A008119_01	-0.297	-0.082	-0.492 NA		0.18	0.445 NA	NA	
A008122_01	-0.243	0.315	-0.191	-0.024	0.158	0.506	-0.252 NA	
A008127_01	0.057	0.05	-0.408	-0.14	0.017	0.091 NA	NA	
A008130_01	0.027 NA		0.125 NA		-0.065	-0.228 NA	NA	
A008131_01	-0.582	-0.188	-0.087	0.083	-1.136	-1.152	-0.586	-0.518
A008132_01	0.191	0.149	-0.168	-0.084	0.165	0.038	0.124	0.167
A008133_01	0.331	0.145	0.184	0.239	0.016	-0.087	-0.117	-0.25
A008135_01	-0.155	0.006	0.014	-0.312	0.083	0.177	0.111	0.261
A008136_01	0.304 NA		0.17	0.094	0.296	0.178	0.057	0.043
A008137_01	0.036	0.789	-0.106 NA		0.373	0.523	0.544	1.119
A008139_01	-0.19	-0.3	-0.197	-0.148	0.195	0.377	0.016	0.046
A008143_01	0.134 NA		-0.092	-0.27	-0.401	-0.617 NA		-0.326
A008148_01	-0.039	0.138	0.064	-0.046	0.051	0.172	-0.077	0.111
A008153_01	-0.072 NA		-0.075 NA		0.074	0.282 NA	NA	
A008161_01	0.163	0.239	-0.086	0.072	0.141	0.071	0.118	0.133
A008164_01	0.237	0.225	0.167	0.264	-0.351	-0.503 NA	NA	
A008165_01	0.046	0.396	0.236	0.25	0.177	0.515 NA		0.031
A008166_01	-0.497	0.18	0.178	-0.144	0.322	0.52	-0.159	0.284
A008170_01	NA	NA	0.078	-0.093	0.155	0.073	0.215	0.13
A008172_01	0.04	-0.113	0.471	0.255	0.53	0.396	0.188	0.129

A008173_01	-0.022	-0.128	-0.163	0.014	0.013	-0.101	NA	0.03
A008179_01	-0.136	-0.209	-0.28	-0.264	-0.172	-0.203	0.301	0.227
A008182_01	0.284	0.343	-0.115	-0.024	NA	-1.523	NA	0.041
A008183_01	-0.006	0.165	-0.111	-0.347	0.101	0.007	0.178	0.142
A008184_01	-0.138	-0.135	0.073	0.225	0.174	0.264	-0.021	-0.016
A008191_01	-0.157	0.054	0.134	-0.085	0.014	0.215	-0.134	0.187
A008198_01	-0.357	-0.38	0.033	0.013	-0.131	-0.129	-0.014	-0.025
A008201_01	0.286	0.132	NA	0.016	-0.228	-0.424	0.208	0.147
A008202_01	-0.144	-0.144	0.004	0.038	-0.01	0.14	0.169	0.236
A008212_01	-0.261	-0.135	-0.21	-0.158	-0.798	-0.441	-0.302	0.049
A008213_01	0.082	-0.02	-0.063	0.192	0.029	0.039	0.121	0.127
A008214_01	0.081	0.344	-0.728	-0.68	0.401	0.51	0.428	0.575
A008215_01	0.461	0.41	-0.005	NA	0.161	0.26	NA	NA
A008218_01	0.122	-0.125	-0.061	-0.173	0.04	-0.057	0.029	0.074
A008221_01	NA	NA	-0.064	0.021	NA	-0.249	NA	0.017
A008245_01	0.015	-0.03	0.065	-0.131	0.217	0.127	0.14	0.176
A008247_01	0.064	0.169	0.048	-0.151	0.078	0.173	0.038	0.148
A008251_01	-0.004	0.077	0.173	-0.327	NA	0.406	0.052	0.517
A008252_01	-0.075	NA	-0.437	-0.545	0.205	0.245	0.224	0.128
A008254_01	-0.565	NA	1.085	0.866	NA		-1.206	-0.9
A008260_01	-0.22	NA	-0.398	NA	-0.156	0.052	NA	NA
A008262_01	0.281	0.127	0.229	0.46	0.284	0.489	0.066	-0.035
A008268_01	0.063	-0.189	-0.455	-0.536	-0.195	-0.378	-0.236	-0.175
A008270_01	0.145	0.041	-0.162	-0.221	0.313	0.334	0.043	-0.039
A008271_01	-0.114	0.101	-0.134	-0.204	-0.033	-0.036	0.015	-0.089
A008272_01	0.18	0.16	-0.145	NA	0.305	0.375	NA	NA
A008277_01	0.023	0.162	0.158	0.19	0.027	0.053	-0.301	-0.207
A008280_01	-0.061	-0.251	-0.966	-1.175	0.042	-0.074	-0.829	-0.882
A008281_01	0.005	0.092	0.012	-0.047	0.233	0.379	-0.076	0.085
A008283_01	0.127	0.026	0.004	NA	0.265	0.568	0.049	NA
A008289_01	0.066	0.104	0.198	0.193	-0.078	0.032	-0.368	-0.214
A008290_01	-0.151	0.09	0.022	-0.022	-0.02	0.044	NA	0.066
A008291_01	-0.019	0.043	-0.095	NA	-0.026	0.079	NA	0.126
A008292_01	0.079	-0.151	-0.284	-0.305	-0.178	-0.422	0.072	-0.086
A008300_01	-0.018	-0.014	-0.018	0.079	0.225	0.262	-0.038	-0.038
A008301_01	-0.111	0.113	0.164	0.165	-0.036	-0.002	-0.248	-0.189
A008302_01	-0.106	-0.118	-0.109	0.098	-0.248	-0.128	-0.341	-0.25
A008303_01	-0.297	-0.199	-0.186	-0.254	-0.618	-0.484	-0.372	-0.344
A008305_01	-2.408	-2.067	NA	NA	-2.198	-2.499	NA	NA
A008308_01	-0.234	NA	0.003	0.083	-0.366	-0.449	-0.088	-0.176
A008310_01	-0.093	0.052	-0.317	NA	-0.065	-0.025	NA	0.355
A008312_01	0.101	0.138	0.221	0.123	0.408	0.736	-0.237	-0.1
A008313_01	-0.047	-0.043	0.045	0.056	-0.152	-0.164	-0.226	-0.259
A008314_01	-0.198	-0.074	0.065	0.098	-0.163	-0.011	-0.277	-0.122
A008315_01	-0.326	-0.288	-0.236	-0.29	0.064	0.323	-0.109	0.114
A008321_01	0.246	-0.037	-0.203	-0.161	-0.074	-0.109	NA	0.113
A008325_01	-0.248	-0.228	-0.09	-0.071	-0.373	-0.254	-0.152	0.028
A008326_01	-0.108	0.026	0.223	0.294	-0.064	0.086	-0.457	-0.339
A008327_01	-0.193	0.002	0.058	0.003	-0.172	-0.04	-0.237	-0.12
A008329_01	-0.114	-0.13	-0.09	-0.195	0.154	0.074	0.226	0.073
A008330_01	0.347	0.344	-0.005	-0.186	1.055	1.056	0.469	0.436
A008335_01	-0.46	NA	-0.293	0.255	NA	-0.583	-0.29	-0.124
A008336_01	0.192	0.252	-0.173	0.08	0.086	0.017	0.205	0.188
A008338_01	-0.32	-0.181	-0.07	-0.042	-0.296	-0.131	-0.145	0.019
A008339_01	-0.066	NA	0.002	0.01	-0.031	0.022	NA	0.014
A008342_01	0.553	0.188	0.037	0.028	0.053	-0.01	0.118	NA
A008350_01	-0.302	NA	-0.393	NA	-0.16	0.061	NA	NA
A008351_01	-0.061	-0.023	-0.186	0.111	-0.092	-0.013	NA	-0.052
A008356_01	-0.203	-0.319	-0.233	-0.129	-0.025	-0.247	0.078	-0.068
A008358_01	0.006	NA	-0.227	-0.011	NA	0.073	NA	0.113
A008368_01	-0.112	0.008	0.024	0.26	-0.119	0.04	NA	NA
A008372_01	0.368	NA	0.108	0.05	0.093	0.046	NA	NA
A008377_01	-0.065	-0.244	-0.136	-0.069	0.037	0.055	0.175	0.202
A008379_01	-0.119	NA	-0.134	0.194	NA	-0.736	NA	0.013
A008381_01	0.02	NA	0.115	-0.04	NA	NA	NA	-0.134
A008382_01	-0.019	-0.103	-0.058	-0.065	-0.196	0.001	NA	NA
A008386_01	0.071	-0.019	0.281	0.364	0.036	-0.012	-0.326	-0.389
A008390_01	0.163	0.144	0.166	-0.002	0.008	0.126	-0.172	-0.124

A008391_01	0.268	0.262	-0.323	-0.25	-0.09	-0.274	0.227	0.163
A008394_01	-0.001	0.092	0.14	0.229	0.106	-0.083	0.042	-0.076
A008397_01	-0.146	0.009	0.173	0.055	0.156	0.213	0.07	0.311
A008398_01	-0.005	-0.172	-0.057	-0.162	-0.09	-0.22	0.099	0.179
A008408_01	0.219 NA		0.083	0.074 NA		0.269	0.034	-0.123
A008414_01	-0.147	0.267	0.074	-0.199	0.054	0.509	-0.123	0.628
A008415_01	-0.022	0.232	-0.926	-0.829	-0.545	-0.756	-0.517	-0.529
A008423_01	0.397	0.265 NA	NA		-0.51	-0.571 NA	NA	
A008432_01	-0.052	-0.21	0.043	-0.211	-0.388	-0.648	0.055	-0.267
A008441_01	0.162	0.026	-0.032	0.047	0.137	-0.046	0.055	0.03
A008445_01	-0.347	-0.322	-0.095	-0.087	-0.373	-0.357	-0.091	0.19
A008446_01	0.079	-0.28	0.078	0.036	-0.353	-0.448	0.223	-0.121
A008448_01	-0.073	0.023	-0.537	-0.21	-0.232	-0.105	-0.056	0.007
A008449_01	-0.158	-0.362	-0.194	-0.211	-0.216	-0.249	-0.084	-0.192
A008452_01	-0.259	-0.349	-0.213	-0.142	-1.102	-0.995 NA		-0.042
A008453_01	0.222	0.111	-0.11	-0.056	-0.137	-0.288	-0.111	-0.039
A008454_01	0.212	0.064	-0.326	-0.368	0.305	0.1	0.26	0.165
A008459_01	0.064	0.273	-0.139	0.059	0.132	0.392	0.113	0.151
A008463_01	0.342	0.223	0.139	0.088	0.472	0.358	0.276	0.203
A008472_01	-1.212	-1.11	0.956	0.826	1.316	1.716	0.332	0.228
A008473_01	-0.169	-0.156	-0.032	-0.04	-0.102	-0.091	0.095	0.265
A008475_01	0.081	-0.039	-0.355	-0.229	0.003	-0.088	-0.502	-0.574
A008481_01	0.401 NA		0.246	-0.009 NA	NA		-0.078	-0.04
A008483_01	0.113	0.307	0.282	0.116	0.197	0.033	0.012 NA	
A008485_01	0.28	-0.027	-0.42	-0.382	0.122	0.088 NA	NA	
A008486_01	0.029	-0.045	0.017	-0.011	-0.228	-0.129	-0.088	0.316
A008499_01	-0.319 NA		-0.055	-0.089	-0.466	-0.406	-0.131	0.103
A008500_01	0.23	0.196	0.201	0.058	0.419	0.396	0.143	0.086
A008505_01	-0.165 NA	NA		0.063 NA		0.243	0.218	0.225
A008507_01	-0.069	0.043	-0.127	-0.367	0.392	0.251	0.396	0.483
A008511_01	-0.407	-0.117	-0.267	-0.086	-0.215	-0.072	0.072	0.304
A008512_01	-0.504	-0.202	-0.143	0.22	-1.251	-1.27	-0.393	-0.369
A008514_01	0.299	0.475	0.202	0.148	0.47	0.434	-0.216	-0.114
A008518_01	0.258 NA		0.402	0.501	0.346	0.155	-0.351	-0.585
A008520_01	0.401	0.134	-0.223	-0.094	0.103	0.047	-0.037	-0.33
A008531_01	-0.039 NA		0.248	0.118 NA	NA		-0.173	-0.225
A008532_01	-0.378	-0.121	-0.52	-0.226	-0.248	-0.079	0.022	-0.014
A008533_01	-0.243	-0.254	-0.108	-0.186	-0.042	0.067	-0.007	0.07
A008534_01	0.115	0.247	-0.18	-0.18	0.023	0.125	0.074	0.101
A008537_01	-0.237	-0.061	-0.26	-0.147	-0.068	0.07	-0.086	-0.089
A008538_01	-0.179 NA		-0.102	-0.077 NA	NA		0.1	-0.071
A008541_01	-0.656 NA		-0.302 NA		-0.786 NA	NA		-0.477
A008544_01	-0.002	0.085	-0.213	0.179	-0.133	-0.035	0.127	-0.019
A008545_01	-0.018 NA		0.485	0.28	0.174	0.053	-0.186	-0.201
A008546_01	0.435	0.258	-0.121	-0.024	0.059	-0.063	0.02	-0.069
A008548_01	-0.262	-0.527	0.201	0.271	-0.257	-0.281	-0.621	-0.443
A008549_01	-0.743	-0.756	-0.381	-0.216	-1.227	-1.35	-0.219	-0.347
A008553_01	-0.554	-0.425	0.129	0.45	-0.473	-0.257	0.069	0.062
A008557_01	-0.094	0.176	-0.06	-0.169	0.162	0.137 NA		0.111
A008562_01	0.012	0.123	-1.508	-1.261	-1.595	-1.542	-1.414	-1.388
A008564_01	0.06	0.125	-0.051	-0.008	0.151	0.275	-0.076	-0.01
A008571_01	0.298	0.124	0.039	0.127	-0.18	-0.262	-0.086	-0.179
A008572_01	0.41 NA		-0.12	-0.157 NA		0.393	0.303	0.326
A008573_01	0.112	0.006	0.207	0.198	-0.623	-0.718	-0.018	0.061
A008575_01	0.038	-0.018	-0.053	-0.082	0.015	0.011	-0.097	-0.084
A008576_01	0.411	0.712	0.478	0.514	0.206	0.298	-0.173	-0.022
A008578_01	-0.3	-0.194	-0.018	0.003	-0.942	-1.338	0.036	0.074
A008580_01	0.074	-0.019	-0.151	-0.052	-0.308	-0.562	0.146	-0.076
A008582_01	-0.126	0.201	-0.332	-0.117	-0.086	0.32	-0.171	0.171
A008583_01	-0.202	-0.023	-0.084	0.173	-0.57	-0.517 NA	NA	
A008586_01	-0.021	-0.146	-0.16	-0.14	0.062	0.056	0.157	-0.023
A008587_01	-0.602	-0.663	0.015	0.116	-1.154	-1.097	-0.197	-0.041
A008588_01	0.143	-0.093	-0.146	-0.264	-0.097	-0.144	0.098	-0.044
A008589_01	0.268 NA	NA		0.148 NA	NA	NA	NA	
A008598_01	-0.095	-0.152	-0.319	-0.098	0.394	0.511	0.313	0.181
A008599_01	-0.007	-0.183	0.173	0.164	0.068	0.17	0.006	-0.158
A008601_01	-0.312	-0.093	0.266	0.165	-0.326	-0.575	-0.882	-0.655
A008602_01	0.385	0.261	-0.526	-0.397	-0.152	-0.366	0.027	0.016

A008603_01		0.054	0.289	0.1	-0.166	0.291	0.229	-0.152	NA	
A008604_01		0.038	0.213	-0.171	-0.061	-0.208	-0.343	0.187		0.231
A008605_01		-0.149	0.191	-0.006	-0.123	0.604	1.135	-0.144		0.353
A008608_01		-0.301	-0.392	0.048	0.14	-0.382	-0.271	-0.358		-0.277
A008615_01		0.062	0.051	0.138	-0.001	-0.493	-0.558	-0.532		-0.518
A008616_01		0.143	NA	0.006	0	NA	-0.098	0.252		0.058
A008621_01	NA		-0.337	-0.113	-0.025	-0.474	-0.375	-0.281	NA	
A008622_01		-0.213	NA	0.06	0.066	NA	NA	-0.098		-0.023
A008627_01	NA		0.366	0.255	0.5	-0.145	-0.174	0.08		-0.004
A008631_01		-0.09	NA	0.267	0.364	NA	0.181	-0.134		-0.219
A008632_01		-0.162	NA	-0.224	0.037	NA	-0.091	NA	NA	
A008637_01		0.113	-0.018	-0.392	-0.45	-0.31	-0.276	0.083		0.015
A008638_01		0.004	-0.014	0.159	0.224	0.312	0.353	0.173		0.087
A008639_01		0.096	0.327	-0.183	-0.049	0.281	0.399	0.245		0.245
A008641_01		0.094	0.056	-0.211	0.021	0.155	0.236	0.085		-0.074
A008644_01		-0.046	-0.13	0	0.029	-0.117	-0.05	NA		-0.03
A008645_01		-0.329	-0.204	-0.179	-0.085	-1.017	-0.987	-0.545		-0.268
A008648_01		0.029	0.017	-0.452	-0.308	0.248	0.368	0.379		0.475
A008649_01		0.1	0.252	0.132	0.038	-0.589	-0.954	0.038		0.045
A008651_01		-0.256	-0.226	0.258	0.137	-0.242	-0.302	0.091		0.196
A008652_01		-0.607	-0.248	-0.282	-0.157	-0.917	-0.792	-0.254		0.139
A008653_01		0.086	-0.09	-0.115	0.019	-0.071	-0.077	0.056		0.072
A008654_01		0.093	0.086	0.292	0.199	0.366	0.399	-0.018		0.132
A008655_01		-0.129	NA	0.171	0.138	-0.291	-0.243	NA		-0.164
A008657_01		-0.114	-0.207	-0.197	-0.205	-0.06	0.129	-0.108		-0.02
A008658_01		0.591	0.525	-0.545	-0.319	0.104	0.192	0.453		0.403
A008660_01		-0.024	-0.084	0.167	0.436	-0.034	0.212	-0.236		-0.149
A008663_01		-0.259	-0.3	-0.215	-0.116	-1.289	-1.504	-0.317		-0.269
A008664_01		0.241	0.219	-0.477	-0.482	0.313	0.64	-0.178		0.263
A008667_01		0.014	-0.072	-0.23	-0.192	0.034	-0.002	-0.217		-0.215
A008668_01	NA		-0.293	-0.101	-0.017	-0.451	-0.456	NA	NA	
A008670_01		-0.099	NA	-0.135	0	0.115	-0.009	NA	NA	
A008673_01		0.305	0.149	-0.374	-0.216	0.27	0.331	0.363		0.307
A008676_01		0.072	NA	-0.177	-0.012	-0.152	-0.286	NA		0.078
A008682_01		-0.172	-0.178	0.003	0.088	-0.325	-0.274	-0.115		0.065
A008685_01		0.163	0.318	0.092	-0.043	-0.139	-0.394	0.026		-0.037
A008686_01		-0.061	-0.098	0.111	0.028	NA	-1.074	-0.247		-0.223
A008692_01		0.362	0.611	-1.087	-0.927	-0.247	-0.405	0.705		0.918
A008693_01		-0.349	-0.155	0.148	0.149	-0.242	-0.159	-0.578		-0.253
A008699_01		-0.065	NA	-0.07	0.089	-0.099	0.066	NA	NA	
A008703_01		0.065	-0.084	-0.116	0.083	-0.247	-0.4	-0.017		-0.154
A008707_01		0.425	0.324	0.12	0.16	0.776	0.668	0.174		0.222
A008720_01		-0.06	0.015	-0.162	-0.085	-0.322	-0.248	0.174		0.205
A008721_01		-0.187	0.011	0.172	0.26	-0.237	-0.21	NA	NA	
A008722_01		0.123	0.167	-0.046	0.141	-0.351	-0.303	0.133		0.069
A008726_01		-0.223	-0.107	-0.355	-0.278	-0.31	-0.375	0.257		0.25
A008727_01		-0.352	-0.279	-0.301	-0.424	-1.209	-1.339	-0.778		-0.597
A008728_01		0.362	0.404	0.081	-0.105	0.14	0.119	NA	NA	
A008731_01		-0.303	-0.483	-0.398	-0.175	-1.138	-1.296	0.091		0.101
A008733_01		0.363	0.216	-0.03	0.044	0.192	0.172	0.286		0.167
A008735_01		0.338	0.341	0.312	0.142	0.278	0	-0.01		-0.003
A008737_01		-0.112	-0.18	0.026	-0.085	-0.269	-0.44	0.036		-0.113
A008739_01		0.128	NA	0.251	0.44	NA	-0.129	NA	NA	
A008742_01		-0.155	-0.012	-0.287	-0.218	-0.027	0.183	-1.401		-0.91
A008748_01		-0.37	NA	-0.195	NA	NA	1.015	NA	NA	
A008752_01		0.103	NA	0.309	0.291	NA	NA	NA		0.01
A008753_01		-0.06	NA	-0.152	0.074	-0.263	-0.174	0.234		-0.086
A008755_01		0.088	NA	-0.223	-0.158	NA	-0.104	0.258		-0.048
A008758_01		-0.097	-0.063	0.194	0.121	0.179	0.2	-0.288		-0.062
A008759_01		0.047	-0.018	-0.191	-0.131	-0.043	-0.029	0.014		0.172
A008762_01		-0.037	-0.148	-0.115	-0.013	0.231	0.298	0.245		0.373
A008763_01		-0.621	-0.212	-0.059	0.126	-0.136	0.115	-0.107		0.324
A008764_01		0.237	NA	-0.146	0.042	NA	0.505	NA		0.309
A008775_01		0.134	-0.169	-0.093	0.086	-0.243	0.051	-0.046		-0.243
A008776_01		-0.24	0.032	-0.171	-0.125	0.013	0.227	-0.182		0.035
A008783_01		0.092	0.018	-0.265	-0.028	-0.402	-0.319	-0.045		-0.131
A008784_01		-0.124	-0.026	-0.347	NA	-0.289	-0.416	NA		0.254
A008790_01		-0.046	-0.055	-0.374	0.03	0.272	0.4	-0.205		-0.406

A008793_01		0.152	0.101	-0.151	-0.113	0.212	0.366 NA	NA	
A008794_01		0.036	0.378	-0.135	0.055	-0.48	-0.551	0.026	0.23
A008795_01		0.046	0.193	-0.291	-0.005	0.191	0.25	0.206	0.212
A008798_01		0.125	-0.033	-0.189	0.19	-0.164	-0.009	0.155	-0.043
A008800_01		-0.01	0.158	0.075	0.317	0.046	0.147	-0.004	0.059
A008801_01		-0.149	0.141	-0.028	-0.168	0.173	0.529	-0.018	0.341
A008803_01		0.411	0.763	0.061	0.316	0.148	0.3	-0.154	0.12
A008805_01		-0.116	-0.083	-0.351	-0.29	0.141	0.425	-0.119	0.092
A008807_01		0.259	0.547	-0.09	0.118	0.084	0.205	-0.165	0.017
A008810_01		0.452	0.127	0.037	-0.062	-0.273	-0.675	0.464	0.119
A008813_01		0.241	0.109	-0.107	0.054	0.045	-0.143 NA	NA	
A008814_01		0.073	-0.137	-0.297	-0.181	0.054	-0.048	0.368	0.229
A008818_01		-0.434	-0.622	0.883	1.083	0.282	0.504	-0.717	-0.506
A008819_01		0.202	0.345	-0.052	0.084	0.221	0.107	-0.074	-0.149
A008821_01		-0.013	-0.018 NA		0.057	-0.901	-0.915 NA	NA	
A008827_01		-0.222	0.115	-0.175	-0.125	-0.033	0.191	0.045	0.213
A008830_01		-0.097	-0.027	-0.291	-0.15	0.181	0.528	-0.317	-0.264
A008835_01		-0.002	-0.203	-0.396	-0.147	-0.121	-0.033	0.003	0.039
A008838_01		-0.054 NA		0.014	0.05 NA		0.313	0.207	0.359
A008840_01		0.345	0.233	-0.34	-0.146	-0.143	-0.239	0.086	0.247
A008842_01		-0.192	-0.139	0.026	0.088	-0.307	-0.285	-0.37	-0.254
A008846_01		0.172	0.234	0.008	0.051 NA		0.02	-0.126 NA	
A008847_01		-0.122	0.239	0.253	0.042	-0.528	-0.466	-0.392	0.223
A008855_01		-0.124 NA		-0.002	0.04 NA		-0.842 NA		-0.104
A008857_01		-0.237	0.126	0.358	0.235	-0.622	-0.431	-0.911	-0.325
A008858_01	NA		0.179	-0.117	-0.083	0.173	0.124	-0.111	-0.02
A008860_01		0.164 NA		-0.206	-0.039	0.369	0.366	0.021	0.027
A008861_01		-0.481	-0.714	0.346	0.427	0.893	1.154 NA		-0.015
A008862_01		-0.038	-0.227	0.05	0.205	-0.152	-0.053	-0.041	-0.187
A008863_01		-0.04	-0.162	0.16	0.386	-0.063	0.007	0.08	0.029
A008865_01		-0.153	0.319	0.384	0.206	0.27	0.414	-0.296	0.002
A008867_01		-0.612 NA		-0.254	-0.198	0.409	0.811	-0.347	-0.394
A008872_01		0.396	0.304	0.172	0.155	-0.09	-0.348	-0.323	-0.168
A008873_01		0.257	0.554	-0.382	-0.422	-0.745	-0.868	-0.642	-0.224
A008874_01		-0.039	0.065	-0.19	-0.005	0.003	0.051	0.041	0.111
A008877_01		-0.054	-0.13	-0.147	-0.17	0.013	0.069	-0.087	-0.048
A008878_01		0.261	-0.171	-0.289	-0.182	-0.247	-0.002	0.045	0.213
A008880_01		0.006	-0.127	-0.132	0.077	-0.18	-0.065 NA		0.082
A008881_01		-0.423	-0.506	-0.028	-0.14	-0.627	-0.637	-0.371	-0.345
A008882_01		0.036	-0.047	-0.054	-0.01	0.361	0.389	0.152	0.214
A008883_01	NA		-0.784	0.019	0.043	-1.026	-1.101	-0.263	-0.298
A008889_01		-0.431 NA		-0.36	-0.318 NA		0.464	0.121	0.158
A008890_01		0.057	0.186	-0.338 NA		-0.094	-0.069 NA	NA	
A008896_01		-0.051 NA		-0.067	0.049 NA		-0.34 NA		-0.009
A008899_01		0.197	-0.028	0.331	0.254	0.186	0.139 NA	NA	
A008904_01		-0.442	-0.156	-0.029	-0.036	-1.37	-1.488	-0.307	-0.249
A008906_01		0.41	0.245	0.291	0.033	0.152	-0.035	-0.179	-0.294
A008909_01		-0.16	0.033	-0.118	-0.164	-0.021	0.07	0.23	0.282
A008913_01		0.072	0.009	0.051	0.122	-0.892	-1.006	-0.096	-0.101
A008919_01		-0.096 NA	NA	NA		0.242	0.603 NA	NA	
A008920_01		-0.579	-0.655	-0.582	-0.535	-0.836	-0.833	-0.555	-0.47
A008922_01		-0.174	0.079	-0.356	-0.269	0.015	-0.034	0.029	-0.139
A008924_01		0.273	0.347	-0.442	-0.118	-0.03	0.107	-0.215	-0.299
A008926_01		-0.196	-0.057	0.264	0.296	-0.69	-0.671	-0.357	-0.133
A008929_01		-0.119	-0.071	-0.087 NA		-0.325	-0.317 NA	NA	
A008933_01		0.046	0.236	0.029	0.074	0.152	0.108	-0.278	-0.282
A008934_01		-0.04	-0.044	0.093	0.116	-0.532	-0.745	-0.159	-0.214
A008936_01		0.316	-0.017	-0.124	-0.016	0.154	0.244	0.255	0.335
A008937_01		-0.127	-0.182	-0.218	-0.065	-0.915	-0.999	-0.282	-0.143
A008938_01		0.189 NA		0.053	0.127 NA		-0.237	0.051	-0.039
A008939_01		0.072	0.163	0.134	0.071	-0.581	-0.821	0.042	0.053
A008944_01		-0.243	-0.129	-0.207	-0.045	-0.508	-0.354	-0.361	-0.084
A008945_01		0.076	0.021	-0.103	0.048	-0.112	0.093	-0.061	-0.05
A008949_01		0.085	0.123	-0.095	0.084	-0.108	0.023	-0.059	0.132
A008950_01		-0.003	0.039	-0.158	0.099	0.261	0.341	0.148	0.036
A008952_01		-0.638	-0.529	-0.454	-0.457	-0.142	0.188	0.014	0.249
A008953_01		-0.171	-0.151	0.128	0.246	-0.017	0.042	0.025	0
A008955_01		0.093	0.198	-0.514	-0.258	0.048	0.223	-0.494	-0.305

A008958_01		0.312	0.52	-0.139	-0.183	0.419	0.531	0.303	0.451
A008961_01		-0.218	0.231	0.176	0.206	0.333	0.712	-0.316	0.233
A008963_01		0.198	0.14	-0.105	-0.014	0.322	0.399	0.111	0.175
A008965_01		0.236	0.305	-0.221	-0.02	-0.004	0.037	0.037	0.151
A008967_01		0.073	0.084	-0.156	-0.146	0.109	0.084	-0.089	0.004
A008969_01		-0.198	-0.172	-0.03	-0.302	-0.611	-0.726	-0.417	-0.088
A008972_01		0.335 NA		-0.535 NA		0.161	0.16 NA	NA	
A008973_01		0.017 NA		-0.028 NA		0.028	-0.036 NA		-0.062
A008974_01		-0.324	-0.059	-0.127	-0.292	0.108	0.356	-0.002	0.463
A008975_01		-0.142	0.042	-0.081	-0.294	-0.092	-0.086	0.093	0.145
A008980_01		-0.433	-0.201	-0.603	-0.509	0.032	0.269	-0.152	0.24
A008981_01		0.085	0.046	0.21	0.137	0.01	-0.124 NA		0.035
A008983_01		0.163	-0.108	-0.083	0.242	-0.142	0.042	-0.635	-0.597
A008984_01	NA	NA		0.083	0.095 NA		-0.206 NA		-0.055
A008985_01		0.246	0.224	0.076	0.235	0.146	0.197	0.225	0.051
A008988_01		-0.362	-0.263	-0.039	0.121	-0.08	-0.075	0.063	-0.008
A008989_01		-0.005	0.135	0.157	0.052	0.464	0.499	0.134	0.418
A008992_01		-0.206	0.236	0.04	0.013	0.105	0.158	0.172	0.246
A008995_01		0.05	0.047	-0.176	-0.117	0.355	0.535	0.114	0.378
A008997_01	NA	NA		-0.026	0.088	0.462	0.558	0.238	0.307
A008999_01		0.047	0.052	-0.043	0.072	0.093	0.122	-0.272	-0.251
A009005_01		0.127	0.363	-0.019	-0.199	-0.049	-0.084	-0.065	0.092
A009011_01		-0.861	-0.917	-1.128	-0.804	-0.383	-0.516	-0.913	-1.027
A009014_01		-0.044	-0.036	0.146	0.238	-0.129	0.049	-0.377	-0.386
A009016_01		0.03	-0.079	0.277	0.168	-0.637	-1.083 NA		-0.148
A009021_01		0.111	0.025	-0.131 NA		0.109	0.297 NA		0.037
A009022_01		0.27	0.256	0.075	0.138	0.251	0.117	0.025	-0.078
A009026_01		0.289 NA		0.16	0.332	0.007	-0.159 NA		-0.196
A009028_01		-0.028	0.09	-0.178	0.063	-0.766	-0.912	0.034	0.051
A009031_01		-0.272	-0.345	-0.248	-0.189	-1.161	-1.201	-0.483	-0.26
A009033_01		-0.007	-0.096	-0.224	-0.064	0.055	0.184	-0.103	-0.166
A009036_01		-0.02	0.13	0.318	0.337	0.213	0.252	-0.22	-0.409
A009037_01		0.006 NA		0.368	0.321	-0.55	-0.704	-0.645	-0.676
A009044_01		0.102	0.083	-0.268	0.135	-0.116	-0.03	-0.013	-0.156
A009049_01		0.469	0.224	-0.275 NA		-0.296	-0.227 NA		0.06
A009052_01		0.005	-0.077	0.102	0.255	0.084	0.123	0.018	0.048
A009055_01		0.194 NA		-0.083 NA		0.238	0.25 NA		0.175
A009056_01		-0.016	0.075	-0.208	-0.083	-0.086	0.061	0.008	0.236
A009060_01		0.183	0.004	-0.287	-0.128	-0.107	-0.058	-0.078	-0.212
A009064_01		-0.075	0.321	-0.172	-0.223	0.017	0.182	0.098	0.485
A009072_01		-0.08	0.033	-0.162 NA		0.009	0.347 NA	NA	
A009073_01		0.243 NA		-0.037	0.047 NA	NA	NA		0.006
A009076_01		-0.079	0.047	-0.238	-0.06	0.005	0.093	-0.076	0.094
A009077_01		0.311	0.469	0.456	0.291	0.218	0.012	-0.005	-0.014
A009081_01		0.204	0.098	0.1	0.136	0.352	0.455	-0.352	-0.257
A009087_01		-1.534	-1.21	0.976	1.1	-0.733	-0.733	-1.215	-1.079
A009088_01		0.049	0.061	0.077	0.077	-0.63	-0.83	-0.32	-0.325
A009095_01	NA	NA		-0.366	-0.061 NA		-0.516	0.005	-0.208
A009099_01		-0.059	-0.208	-0.148	0.017	-0.088	-0.108	-0.115	-0.111
A009102_01		-0.27	-0.256	0.07	0.108	-0.584	-0.608	-0.181	-0.353
A009105_01		0.251	0.083	0.142	0.166	0.436	0.497 NA		-0.088
A009106_01		0.053	0.138	-0.36	-0.24	-0.262	-0.323	-0.243	-0.101
A009107_01		0.61	0.787	-0.014	0.126	-0.943	-1.524	-0.998	-1.087
A009112_01		-0.047	0.407	0.211	0.437	-0.199	-0.364 NA	NA	
A009113_01		-0.146 NA		-0.327	0.1	-0.022	0.039	-0.188	-0.074
A009114_01		0.149	0.147	0.051	0.166	0.116	0.051	0.188	0.179
A009121_01		0.215 NA		-0.427	-0.179 NA		-0.207	0.324	0.018
A009127_01		-0.535 NA		0.172	0.231 NA		-0.678	0.077	0.102
A009134_01		0.107	-0.148 NA	NA		-0.061	-0.048 NA	NA	
A009138_01		-0.31	-0.25	0.275	0.158	0.008	0.029	-0.513	-0.332
A009139_01		-0.165	0.066	0.384	0.399	-0.515	-0.532	0.012	0.34
A009145_01		-0.06	-0.111	-0.162	-0.117	0.161	0.243	-0.048	-0.05
A009147_01		-0.687	-0.545	-0.131	0.095	-1.655	-1.791	-0.673	-0.562
A009148_01		-0.314	-0.379	0.19	0.118	-0.557	-0.67	-0.097	0.024
A009151_01		0.191 NA		-0.063	0.144 NA	NA	NA		0.138
A009152_01		0.23	0.091	0.034	-0.069	-0.387	-0.659	0.266	0.068
A009153_01		-0.216	0.253	0.192	0.019	0.223	0.143	-0.047	-0.094
A009156_01		-0.552 NA		0.006	-0.053	-0.479	-0.344 NA		-0.056

A009163_01		-0.06	-0.003	0.168	0.042	0.063	0.096	0.037	0.112
A009165_01		-0.236	-0.196	-0.401	-0.223	-0.695	-0.963	-0.046	-0.32
A009169_01		-0.634 NA		-0.823	-0.631 NA	NA	NA		-0.044
A009176_01		0.094	0.111	-0.092	0.047	0.251	0.228	0.291	0.237
A009182_01		0.329	0.318	0.047	-0.157	0.212 NA	NA		0.057
A009187_01		0.369	0.593	0.192	0.149	0.816	1.088	-0.119	0.08
A009189_01		-0.085	-0.25	0.275 NA		-0.6	-0.588 NA	NA	
A009196_01		-0.174	-0.254	-0.093	-0.075	-0.644	-0.894	-0.218	-0.178
A009203_01		-0.205	-0.099	0.208	-0.141	0.116	-0.111	-0.098	0.017
A009205_01		0.536	0.478 NA	NA		-0.047	-0.046 NA	NA	
A009221_01		0.306	0.066	-0.391	-0.223	-0.32	-0.102	0.192	0.009
A009227_01		0.008	0.018	-0.173	0.119	0.216	0.577	0.182	0.263
A009233_01		0.122	0.154	-0.266	-0.238	0.201	0.54 NA		0.07
A009248_01		-0.039 NA		-0.139	-0.209 NA		0.122 NA		-0.019
A009255_01		-0.659	-0.424	-0.197	-0.113	0.129	0.142	0.304	0.3
A009256_01		-0.39	-0.352	-0.185	0.091	-1.384	-1.591	-0.372	-0.634
A009257_01		0.061 NA		-0.245	-0.198	-0.254	-0.26 NA		-0.003
A009260_01		0.039	0.096	-0.474	-0.288	-0.526	-0.612	-0.216 NA	
A009262_01		-0.092	0.034	-0.124	-0.289	-0.034	-0.149	0.099	0.065
A009270_01		-0.098 NA		0.439	0.308 NA		-0.233 NA	NA	
A009272_01		0.164	0.533	0.089	0.121	0.189	0.276	-0.312	0.077
A009273_01		0.079	-0.087	0.08	0.004	0.041	-0.039	0.161	0.025
A009281_01	NA	NA		-0.309	-0.092 NA		-0.148	0.176	0.009
A009282_01		0.282	-0.157	0.195	0.154	-0.037	-0.331	0.133	-0.099
A009284_01		-0.055 NA		0.2	0.052	-0.292	-0.44	-0.217	-0.135
A009289_01		0.086	-0.005	-0.337	-0.357	0.217	0.077	0.478	0.418
A009293_01		0.156	-0.024	-0.199	-0.108	0.212	0.286	0.121	0.092
A009296_01		0.218	0.432	-0.071	-0.092	0.083	0.075	-0.099	0.012
A009303_01		-0.222	-0.135	0.057	0.102	0.302	0.489	0.145	0.268
A009305_01		0.207 NA		-0.133	-0.014	-0.362	-0.465	-0.256	-0.297
A009307_01		-0.39	-0.332	-0.312	-0.142	-0.985	-1.016	-0.36	-0.408
A009309_01		0.037	-0.025	-0.132	0.016	0.104	0.091 NA	NA	
A009312_01		0.256	0.091	0.032	-0.034	0.144	-0.027	0.064	0.008
A009325_01		-1.204	-0.904	-0.218	-0.36	-1.076	-1.028	0.356	0.536
A009328_01		0.103	0.206	-0.058	0.02	-0.272	-0.383	-0.289	-0.23
A009340_01		-0.353	-0.705	-0.12	-0.019	-0.926	-0.854 NA		-0.303
A009343_01		0.078	0.157	-0.017	-0.268	0.154	0.182	-0.066	0.056
A009348_01		-0.07 NA		-0.071	-0.01	-0.008	-0.183	0.045	0.048
A009353_01		-0.432	-0.085	-0.006	0.147	0.046	0.404	-0.123	0.376
A009354_01		-0.244	-0.025	-0.261	-0.289	-0.062	0.043	0.088	0.134
A009368_01		0.111	-0.016	-0.019	0.102	0.268	0.35	0.292	0.146
A009369_01	NA		-0.203	-0.083	-0.164	-0.73	-0.655	-0.275	-0.295
A009370_01		0.221	0.14	0.126	0.225	0.146	0.002	-0.06	-0.034
A009371_01		0.025	0.051	0.44	0.54	-0.056	-0.29	-0.116	-0.288
A009375_01		0.309	0.129	-0.193	-0.102	0.052	0.152	0.041	-0.091
A009377_01		0.252 NA		0.149	0.134 NA	NA	NA		-0.115
A009378_01		0.049	0.117	-0.172	-0.241	0.02	0.095	0.09	0.176
A009380_01		0.286 NA		-0.215	-0.18	0.23	0.268 NA		0.008
A009390_01		-0.097	-0.154	-0.025	0.031	0.072	0.178	0.048	-0.003
A009396_01		0.066 NA		0.325 NA	NA	NA	NA	NA	
A009398_01		0.252 NA		0.169	0.381	0.204	0.184	0.048	-0.047
A009399_01		0.107	0.199	0.221	-0.023	0.393	0.528	0.09	0.207
A009402_01		0.232 NA		-0.153 NA	NA		0.062 NA	NA	
A009409_01		-0.155 NA		0.063	0.141	0.838	0.99	0.447	0.391
A009410_01		-0.651	0.077	-0.042	-0.113	-0.031	0.548	-0.126	0.741
A009411_01		0.032	0.076	0.158	0.043	-0.178	-0.47	0.073	-0.091
A009413_01		-0.983 NA		-0.921 NA		-0.053	0.009 NA	NA	
A009414_01		-0.45	-0.33	0.02	-0.031	0.032	0.181	0.057	0.188
A009415_01		-0.008 NA		-0.179 NA	NA		0.01 NA	NA	
A009426_01		0.111	0.089	0.593	0.658	0.937	1.096	0.329	0.225
A009431_01		-0.714 NA		0.036	0.294 NA		-0.539 NA	NA	
A009432_01		-0.244 NA		-0.175	-0.216 NA		-0.363 NA		-0.099
A009434_01		0.202	0.305	-0.045	0.136	-0.215	-0.335	0.067 NA	
A009435_01		-0.095	0.02	-0.134	-0.069	-0.108	0.254 NA		0.304
A009448_01		0.281	0.254	0.147	0.082	0.169	0.229	0.02	0.152
A009454_01		-0.066 NA		-0.221	-0.056	-0.549	-0.612 NA		-0.164
A009457_01		-0.276 NA		-0.295	-0.175 NA		-0.107	0.221	0.229
A009475_01		0.156	0.055	-0.167	-0.12	0.116	0.211	0.071	0.036

A009480_01		-0.025	-0.225	-0.01	0.008	-0.632	-1.002	-0.013	-0.285
A009485_01		0.248 NA		0.2	0.019 NA	NA		0.147	0.016
A009491_01	NA	NA		0.132 NA		-0.034	-0.01 NA		0.069
A009495_01	NA		-0.384	0.019	-0.02	-0.342	-0.408	-0.009	0.073
A009496_01		0.198 NA		-0.293	-0.178 NA		-0.628 NA		-0.197
A009497_01		-0.091 NA		0.839	0.737	0.56	0.633	-0.261	-0.334
A009498_01		-0.488	-0.504	-0.176	0.105	-0.649	-0.609	-0.039	0.124
A009501_01		0.403	0.473	-0.061	-0.016	0.725	1.005	0.254	0.31
A009502_01	NA	NA		0.401	0.279 NA	NA		0.14	0.108
A009506_01		-0.052	-0.132	-0.336	-0.185	0.128	0.221	0.184	-0.029
A009507_01		0.474 NA		0.089	-0.005 NA	NA		0.251	0.062
A009512_01		0.192	0.263	-0.057	0.033	-0.502	-0.586	-0.031	0.153
A009513_01		0.075 NA		-0.474	-0.24	-0.212	-0.116 NA		-0.13
A009514_01		0.263 NA		0.54	0.365	-0.739	-0.84	-0.15	-0.069
A009515_01		-0.93	-1.079	-2.215	-2.037	0.242	0.735	-1.201	-1.049
A009517_01		0.227	0.13	0.318	0.465	-0.391	-0.353	-0.326	-0.421
A009523_01		0.217	0.191	0.351	0.157	0.09	0.068	-0.023	-0.115
A009525_01		0.854	0.646	0.265	0.004	0.235	0.181	-0.147	-0.391
A009530_01		-0.095	-0.096	-0.059	-0.04	0.065	-0.187	0.118	0.15
A009531_01		-0.159	-0.276	-0.277	-0.275	-0.083	-0.228	0.152	-0.032
A009534_01		0.038	0.176	0.273	0.19	0.051	-0.082	-0.525	-0.401
A009537_01		0.198 NA		0.351	0.298	0.89	0.813	0.234	0.223
A009540_01		0.359 NA		-0.262 NA	NA		-0.184 NA	NA	
A009542_01		0.205 NA		0.135	0.15 NA	NA	NA		-0.01
A009543_01		-0.19	-0.191	-0.157	0.005	-1.04	-0.869	-0.49	-0.351
A009544_01		-0.257	-0.401 NA	NA		0.499	0.684 NA	NA	
A009545_01		0.036 NA		-0.092	0.253	0.137	0.079 NA	NA	
A009548_01		0.236 NA		0.024	0.184 NA		-0.019	-0.096	-0.285
A009549_01		0.059	-0.101	0.276	0.023	0.22	0.004	-0.044	-0.053
A009551_01		0.12	0.551	-0.05	-0.114	0.245	0.346	0.06	0.33
A009557_01		-0.167	-0.211	0.279	-0.017	0.733	0.848	-0.229	-0.382
A009560_01		0.295	-0.121	0.039	-0.22	0.224	0.043	0.265	0.055
A009561_01		0.158 NA		-0.042	-0.02 NA	NA		0.113	0.076
A009563_01		-0.176	-0.245	-0.324	-0.153	-0.177	-0.147	0.152	0.124
A009566_01		0.091	-0.058	0.098	0.166	-0.326	-0.281	-0.126	-0.398
A009567_01		-0.027	-0.071	-0.058	-0.01	-0.006	0.19	-0.154	-0.004
A009568_01		-0.101 NA		-0.653	-0.323	-0.893	-0.984 NA		-0.599
A009573_01		0.204	0.187	0.303	0.198	0.22	0.309	0.088	0.059
A009579_01		-0.007	-0.137	-0.026	-0.013	0.147	0.193	0.095	0.011
A009580_01		-0.301	0.047	-0.506	-0.103	0.082	0.208	0.126	0.396
A009581_01		-0.276 NA		0.424	0.337	0.047	-0.059	-0.055	0.01
A009583_01		0.059	0.133	-0.203	-0.078	0.404	0.62	0.247	0.206
A009590_01		0.241	0.389	0.586	0.395	0.298	0.113	-0.497	-0.431
A009594_01		0.422	0.389	-0.083 NA		0.084	0.057 NA	NA	
A009595_01		0.273	0.087	0.134	0.166	0.149	0.359 NA	NA	
A009603_01		-0.19	-0.264	-1.12	-1.061	-0.007	0.081	0.035	0.12
A009609_01		-0.006 NA		-0.215	-0.007	-0.054	0.059 NA		-0.445
A009611_01		-0.176	-0.058	0.169	0.047	-0.03	-0.071	-0.053	-0.117
A009614_01		-0.081	-0.144 NA		0.131	0.058	0.087	-0.111	0
A009618_01	NA		-0.422	-0.606	-0.217	-1.248	-1.383 NA	NA	
A009619_01		0.308	0.233	-0.241	-0.09	-0.148	-0.128	-0.039	-0.063
A009625_01		-0.14 NA		-0.023	0.146 NA		0.053 NA	NA	
A009627_01		-0.652	-0.884	0.457	0.476	-0.01	0.133	-0.113	-0.084
A009632_01		-0.094 NA	NA		0.085 NA	NA	NA		-0.048
A009633_01		-0.06	-0.118	0.302	0.216	0.401	0.456	-0.045	0.111
A009639_01		0.042 NA		-0.254	-0.023	-0.031	-0.016 NA		0.183
A009641_01		0.184	0.198	-0.168	-0.188	0.202	0.325	-0.042	0.115
A009660_01		-0.16	-0.264	0.317	0.173	0.665	0.744	0.088	0.234
A009661_01		-0.001	-0.177	-0.093	-0.14	-0.212	-0.21 NA	NA	
A009663_01		0.14 NA		0.152	0.211 NA		-0.047 NA		0.039
A009665_01		0.135	0.653	0.066	0.096	0.232	0.569	-0.143	0.3
A009670_01		-0.175	-0.141	0.071	0.077	0.071	0.012	-0.031	-0.163
A009676_01	NA		-0.025	-0.281	-0.135	-0.639	-0.622	-0.265	-0.061
A009682_01		0.018	-0.223	-0.128	-0.028	-0.167	-0.048	-0.094	0.012
A009684_01	NA		-0.449	0.073	0.26	-0.388	-0.341	0.049	0.042
A009688_01		0.008 NA		0.11	0.256 NA		-0.494 NA	NA	
A009691_01		0.39	0.257	0.275	0.32	0.359	0.269	0.138	0.114
A009693_01		-0.038 NA		0.163	0.109	0.06	0.064	0.05	0.06

A009699_01		0.115 NA	NA		0.095 NA		-0.037 NA	NA	
A009711_01		0.117	-0.032	-0.081	0.04	-0.272	-0.317	-0.063	-0.158
A009713_01		0.316	-0.122	0.319	-0.065	-0.426	-1.009	0.354	-0.03
A009728_01		0 NA		-0.344 NA		0.271	0.455 NA		0.54
A009731_01		0.457	0.005	-0.127	-0.191 NA		-0.377	0.136	0.187
A009733_01		0.395	0.393	0.348	0.203	-0.413	-0.346 NA		-0.333
A009737_01	NA		0.311	-0.273	-0.06 NA		-0.103	-0.044 NA	
A009738_01		0.199 NA		0.195	-0.01	0.292	0.459 NA		0.398
A009740_01		0.115	0.02	-0.44	-0.448	0.032	0.131	0.182	0.024
A009744_01		-0.02	-0.007	0.269	0.287	-0.588	-0.713	-0.253	-0.332
A009746_01		-0.014	-0.238	-0.113	-0.021	0.18	0.162	0.238	-0.03
A009751_01		0.22	-0.037	0.246	0.159	-0.471	-0.397	-0.301	-0.21
A009752_01		0.087 NA		0.827	1.01	0.337	0.634	-0.01	0.007
A009753_01	NA	NA		-0.573	-0.342 NA	NA	NA		-0.147
A009755_01	NA	NA		0.166	0.294 NA		-0.141 NA	NA	
A009761_01	NA		-0.046	-0.052	-0.127	-0.119	-0.257	-0.085	0.08
A009762_01		0.003 NA		-0.023	0.075	0.096	0.208 NA		0.121
A009764_01		-0.334	-0.145	-0.297	-0.15	-0.258	-0.039	-0.08	0.156
A009765_01		0.229	-0.02	0.112	0.177	0.343	0.323	0.084	-0.221
A009766_01		0.186	0.231	-0.446	-0.299 NA		-0.388 NA	NA	
A009769_01		0.162	0.045	-0.123	0.028	-0.292	-0.168	-0.38	-0.256
A009770_01		-0.287 NA		0.423	0.409 NA	NA	NA	NA	
A009776_01		0.027	0.134	-0.375	-0.423	0.618	0.969	0.199	0.45
A009777_01		0.358	0.32	0.093	0.151	0.12	0.226	-0.082	-0.019
A009780_01		0.342	0.508	-0.065	0.026	0	-0.005	0.355	0.49
A009784_01		0.371	0.498	0.008	0.014 NA		-0.557 NA	NA	
A009787_01		0.303 NA		-0.072	0.018	0.456	0.513 NA		0.246
A009790_01		0.228	-0.017	-0.223	-0.296	0.285	0.376	-0.009	0.061
A009792_01		-0.424	-0.333	-0.065	-0.211	0	0.107	0.119	0.287
A009796_01		0.132	0.177	-0.204	-0.29	0.206	0.164	0.156	0.29
A009797_01		-0.257 NA		0.389	0.099	-0.365 NA		0.161	0.123
A009803_01		-0.092	-0.085	0.131	0.132	0.525	0.548	0.51	0.51
A009805_01		0.403	0.162	-0.413	-0.265	0.381	0.257	0.146	-0.087
A009809_01		-0.052	0.059	-0.215	0.144	-0.257	-0.007	0.019	-0.067
A009811_01		-0.697	-0.399	-0.735	-0.618	0.036	0.221	0.275	0.463
A009821_01		0.238 NA		0.295	0.219	0.217	0.156	-0.038	-0.161
A009822_01		-0.191	-0.158	-0.685	-0.553	-0.215	-0.309	-0.097	-0.135
A009826_01		0.325 NA		-0.14	0.149 NA		-0.154 NA	NA	
A009834_01		-0.143	-0.114	-0.251	0	-0.656	-0.732	-0.2	-0.251
A009836_01		-0.15	-0.2	-0.624	-0.501	-0.079	0.185	0.373	0.414
A009843_01		0.068	-0.005	0.061	0.208	0.196	0.384	0.15	0.34
A009845_01		0.153	0.282	-0.054	-0.238	0.359	0.569 NA		0.315
A009846_01		0.034	0.041	-0.014	-0.014	0.129	0.105	-0.239	-0.329
A009848_01		0.423	0.274	0.231	0.07	0.189	0.136	-0.071	-0.062
A009849_01		0.167	0.284	-0.02	-0.075	0.057	0.153	0.052	0.207
A009855_01		0.179 NA		-0.318 NA		-0.119	-0.159 NA	NA	
A009864_01	NA	NA		0.09	0.013 NA	NA	NA		0.048
A009867_01		0.694	0.535	0.293	0.37	0.286	0.236	0.13	0.157
A009868_01		0.091	-0.063	-0.048	-0.199	-0.016	-0.179	-0.069	-0.281
A009870_01		0.093 NA		0.09	-0.098 NA		-0.426 NA		-0.28
A009879_01		-0.178	0.069	-0.29	-0.247	-0.688	-0.461	-0.495	-0.116
A009885_01		0.307	0.064	0.163	0.199	0.528	0.492	-0.011	-0.285
A009890_01		0.225	0.154	-0.081	-0.029	-0.361	-0.624	-0.988	-1.039
A009894_01		0.065	0.034	0.003	0.025	0.03	-0.029	0.167	0.101
A009895_01		0.075	0.048	-0.054	-0.124	0.118	0.048	0.091	0.103
A009898_01		0.028	-0.177	-0.198	-0.001	-0.051	0.022	0.076	-0.17
A009900_01		0.141	0.293	-1.105	-1.28	0.504	0.655	0.166	0.213
A009902_01		0.099	0.022	-0.261	-0.122	-0.128	-0.17	0.194	0.142
A009905_01		-0.432	-0.367	-0.279	-0.382	0.243	0.177	0.394	0.535
A009906_01		-0.182	0.005	-0.336	-0.066	0.077	0.262	-0.16	-0.096
A009911_01		0.016	-0.197	0.135	0.356	-0.812	-0.988	0.013	-0.009
A009916_01		0.034	0.082	0.001	-0.042	-0.041	-0.071	0.063	0.12
A009920_01		0.114	0.103	0.01	-0.093	0.046	0.014	-0.082	0.005
A009926_01		0.251	0.386	-0.046	0.295 NA		-0.014 NA	NA	
A009927_01		-0.005	-0.33	-0.032	0.102	-0.482	-0.443	0.178	0.134
A009934_01		-0.733 NA		-0.841 NA	NA		-1.68 NA		0.546
A009939_01		-0.181	-0.181	-0.174 NA		0.072	0.071	0.23	0.36
A009941_01		0.222	0.26	-0.139	-0.234	0.22	0.243 NA		0.262

A009948_01	-0.295	-0.223	-0.19	0.053	-0.451	-0.489	0.129	-0.055
A009949_01	-0.59	-0.492	0.21	0.168	-0.148	0.161	-0.076	0.209
A009956_01	0.266	0.327	-0.02	0.135	0.012	-0.089	-0.186	-0.203
A009958_01	-0.19	0.115	0.165	-0.092	0.064	0.19	0.169	0.723
A009960_01	0.327 NA	NA		-0.05	0.115	0.027 NA		0.058
A009964_01	0.08	-0.048	-0.094	-0.052	0.012	-0.059	0.077	-0.022
A009965_01	-0.085	-0.048	-0.007	-0.065	0.045	-0.217	0.287	0.224
A009968_01	0.099	-0.089	-0.254	-0.171	0.164	0.117	0.261	0.191
A009979_01	0.065	0.056	-0.027	0.005	0.287	0.317	0.259	0.291
A009988_01	0.165	0.183	-0.072	-0.105	0.209	0.277 NA	NA	
A009989_01	0.071	0.038	-0.163	-0.289	0.507	0.555 NA		0.045
A009990_01	-0.379	-0.263	-0.249	0.138	-0.84	-0.693	-0.144	0.05
A009991_01	-0.148 NA		-0.255	-0.149 NA		-0.229 NA	NA	
A009994_01	0.134	0.021	-0.001	0.219	0.062	0.018	0.195	-0.054
A009997_01	0.003	0.25	0.168	0.121	0.104	0.126	-0.161	-0.195
A010000_01	-0.093	0.131	-0.263	-0.244	-0.136	0.024	-0.123	0.146
A010007_01	0.151 NA		-0.372	-0.198 NA		0.229	0.329	0.205
A010011_01	0.058	-0.053	-0.128	0.019	0.023	0.102	-0.238	-0.192
A010018_01	-0.072 NA		-0.138	0.087 NA		-0.014	0.033	0.027
A010021_01	-0.24	-0.03	0.041	0.153	-0.058	-0.034	0.031	-0.01
A010023_01	-0.043	-0.151 NA	NA		-0.15	-0.09 NA	NA	
A010025_01	0.373	0.068	0.103	0.103 NA		-0.342	0.135	0.051
A010027_01	0.079	0.01	-0.255	-0.318	0.278	0.201 NA	NA	
A010028_01	0.062	0.072	-0.136	-0.104	0	-0.052	0.225	0.157
A010033_01	0.047	0.051	-0.015	0.161	-0.362	-0.481	-0.2	-0.183
A010040_01	0.224	-0.037	-0.099	0.103	-0.394	-0.37	0.216	0.244
A010042_01	-0.058 NA		-0.434	-0.165	0.022	-0.217	0.261	0.18
A010044_01	-0.089	-0.151	0.078	0.133	0.008	0.013	0.101	-0.023
A010047_01	0.401	0.175	0.053	0.031	0.139	-0.094 NA		0.123
A010048_01	-0.805 NA		-0.582 NA		-0.386	-0.491 NA	NA	
A010049_01	0.001	-0.137	-0.294	-0.357	-0.076	-0.183	0.209	0.049
A010051_01	-0.558	-0.464	-0.346	-0.3	-0.502	-0.373 NA		-0.196
A010059_01	0.012	0.065	-0.093	-0.083	0.085	0.105 NA		-0.036
A010061_01	0.03	-0.02	0.054	0.041	-0.28	-0.253	0.211	0.216
A010065_01	-0.333 NA		-0.276	-0.415 NA		-0.943 NA		-0.269
A010066_01	NA	0.259	0.404	0.346	0.563	0.622	-0.223	-0.026
A010068_01	-0.081	0.111	-0.228	-0.344	0.036	0.184	0.167 NA	
A010172_01	-0.311	-0.34	-0.162	-0.169	0.029	-0.017	0.092	0.134
A010173_01	0.321	0.266	0.119	0.055	0.432	0.496	0.273	0.322
A010174_01	-0.287	-0.433	0.101	0.034	-0.146	-0.3	0.056	-0.13
A010190_01	0.482 NA		0.373	0.267	0.725	0.693 NA		0.109
A010219_01	0.473 NA		0.163	0.052 NA		-0.32	-0.062	-0.139
A010227_01	0.169	0.253	-0.292	-0.079	-0.027	0.075	-0.009	0.13
A010255_01	0.297	0.029	-0.018	0.03	0.274	-0.101	0.081	-0.095
A010261_01	0.099	0.153	0.054	-0.109	0.097	0.068	-0.081	0.145
A010262_01	-0.11	0.151	-0.304	-0.042	-0.17	-0.072	0.119	0.311
A010265_01	0.053	-0.022	0.313	0.067	0.14	-0.093	0.152	-0.009
A010270_01	0.082	0.163	-0.174 NA		0.035	0.238 NA	NA	
A010272_01	-0.356	-0.306	-0.259	-0.217	0.34	0.399	-0.035	0.036
A010274_01	0.179 NA		0.129	0.318	-0.175	-0.26 NA		-0.027
A010275_01	0.148	-0.018	-0.019	0.12	0.035	0.17	0.023	-0.152
A010276_01	-0.092	-0.265	0.244	0.155	0.627	0.694	-0.311	-0.393
A010282_01	0.218 NA		-0.097	-0.102 NA		0.312	-0.019	0.014
A010294_01	0.287	0.171	-0.037	-0.027	0.103	0.067	0.025	0.133
A010296_01	-0.371 NA		-0.106	0.165	-0.408	-0.406 NA		-0.182
A010300_01	-0.603 NA		0.213	0.27	-0.522	-0.254 NA	NA	
A010306_01	-0.123 NA		-0.313 NA		0.568	0.725 NA	NA	
A010307_01	0.308	0.562	-0.174	-0.235	0.294	0.343	0.201	0.337
A010308_01	-0.041 NA		0.235	0.039 NA	NA		-0.035	0.025
A010310_01	0.123	0.026	-0.045	0.016	0.101	0.149	0.118	0.23
A010313_01	-0.132	-0.134	-0.324	-0.276	0.041	0.15 NA	NA	
A010315_01	-0.049	-0.201	-0.211	-0.079	-0.233	-0.114	0.122	-0.13
A010316_01	0.063	0.069	-0.283	-0.188	-0.322	-0.345	0.105	0.169
A010318_01	-0.077	0.025	-0.598	-0.252	-0.146	0.085	0.026	0.119
A010320_01	-0.361	-0.289	-0.219	0.085	-1.031	-0.984	-0.281	-0.329
A010323_01	0.199	0.264	-0.044	-0.013	0.748	0.843	0.519	0.477
A010327_01	-0.335	-0.149	-0.525	-0.286	-0.179	-0.031	0.202	0.133
A010328_01	-0.173 NA		-0.317	-0.291	0.162	0.548 NA		0.307

A010329_01		0.117 NA		-0.031	-0.058	-0.142	-0.39 NA		-0.211
A010333_01		-0.24	0.207	0.021	-0.18	0.324	0.259	0.104	0.306
A010343_01		-0.225	-0.195	-1.095	-1.167	0.342	0.514 NA	NA	
A010344_01		-0.247	-0.255	-0.171	-0.018	-0.38	-0.226	-0.156	-0.119
A010345_01		-0.036	-0.036	-0.08	-0.054	-0.129	-0.139	0.062	-0.016
A010348_01		0.36	0.823	-0.031	-0.167	0.395	0.659	-0.064	0.472
A010349_01		0.135	-0.002	-0.329	-0.4	0.09	0.166	0.108	0.073
A010354_01		0.157 NA		0.059 NA		0.191	0.463 NA	NA	
A010359_01		0.358	0.113	0.067	0.069	0.204	0.066	-0.018	0.033
A010362_01		0.262 NA		-0.185	-0.118	0.275	0.194	0.127	0.264
A010363_01		0.078	0.006	-0.097	-0.099	-0.014	0	-0.163	-0.209
A010365_01		-0.168	-0.265	-0.085	0.095	-0.938	-1.052	-0.248	-0.442
A010369_01		-0.506	-0.473	-0.129	-0.065	-0.712	-0.911	0.036	-0.16
A010371_01		0.387 NA		-0.178	0.119 NA		-0.3 NA	NA	
A010374_01	NA		0.087	0.069	0.03	-0.174	-0.294	0.115	0.042
A010377_01		0.078	-0.036	0.162	-0.004	0.248	0.264	-0.039	-0.131
A010378_01	NA		-1.569	-2.109	-1.602 NA		-3.678	-1.498	-2.224
A010379_01		-0.155	-0.01	-0.057	-0.285	0.364	0.348	0.045	0.255
A010383_01		0.089	0.233	-0.189	-0.134	-0.214	0.015	-0.017	0.022
A010390_01		0.013	-0.012	0.19	0.213 NA		0.027	-0.085	-0.316
A010393_01		-1.955	-1.394	-0.808	-0.543	-1.866	-1.969	-1.143	-1.295
A010395_01	NA	NA		0.22	0.107 NA		0.199 NA		0.107
A010400_01		-0.035	-0.151	-0.186	0.097	-0.204	0.211	0.114	-0.066
A010404_01		-0.116	-0.231	-0.208 NA		-0.26	-0.221 NA		0.091
A010411_01		-0.295 NA		-0.059	-0.061	-0.114	0.133	-0.358	-0.151
A010413_01		0.105	0.208	0.301	0.122	-0.169	-0.232 NA	NA	
A010414_01		-0.051	0.359	-0.109	-0.236	0.184	0.64	-0.123	0.202
A010417_01		0.418	0.383	0.377	0.418	0.244	0.163	-0.136	-0.138
A010420_01		-0.309	-0.31	-0.264	-0.167	-0.427	-0.26	-0.021	-0.035
A010425_01		0.217	0.193	-0.245	-0.121	0.054	0.045	0.112	-0.025
A010433_01		0.31	0.266	0.214	0.032	0.064	0.063 NA		-0.028
A010434_01		0.23	0.162	-0.029	0.004	0.056	0.046	-0.156	-0.013
A010441_01		0.001 NA	NA	NA		-0.369	-0.394 NA	NA	
A010443_01		-0.117	-0.015	0.657	0.478	-0.116	-0.112	-0.137	-0.132
A010449_01		-0.115	-0.238	-0.072	-0.126	-0.056	-0.101	0.369	0.387
A010451_01		0.456	0.363	-0.049	0.062	-0.036	-0.069	0.288	0.249
A010452_01		0.355	0.279	-0.057	-0.018	-0.009	-0.135	0.184	0.174
A010456_01		0.075	-0.039	0.056	0	0.155	0.012	-0.032	0.057
A010457_01		-0.055 NA		0.132	-0.067 NA		0.077 NA		-0.024
A010458_01		-0.03	-0.019	-0.25	-0.188	0.074	0.115	0	0.026
A010459_01		0.017 NA		-0.153	-0.158 NA		-0.03	0.136	0.04
A010460_01		-0.257	-0.235	0.026	-0.124	-0.359	-0.321	-0.23	0.025
A010461_01	NA		-0.306 NA		-0.316	-0.165	-0.338 NA	NA	
A010463_01		-0.325	-0.406	-0.319	-0.221	-0.014	0.148	-0.381	-0.129
A010464_01		0.038	0.043	-0.092	-0.064	-0.133	-0.175	0.12	-0.049
A010466_01		0.098	0.084	0.148	0.345 NA		-0.153 NA	NA	
A010467_01	NA		-0.16	0.03	0.064 NA		-0.414	-0.267	-0.346
A010469_01		-0.165	-0.18	-0.128	0.025	-0.195	-0.207 NA		-0.104
A010473_01	NA		0.159	-0.018	-0.15 NA		0.07 NA		0.131
A010480_01		0.294 NA		0.207	0.335 NA		-0.397 NA		-0.013
A010481_01		0.074	-0.159 NA		-0.384	0.771	0.862 NA		0.364
A010495_01		0.259	0.252	-0.249	-0.016	0.023	0.139	-0.145	-0.077
A010498_01		0.162 NA		-0.012	0.138	-0.148	-0.215 NA		-0.077
A010502_01		0.504	0.411	0.055	0.132	0.017	-0.1	0.039	-0.109
A010504_01		0.227 NA		-0.188	-0.185	0.152	0.062 NA		-0.088
A010506_01		-0.843	-0.827	0.119	0.125	-0.729	-0.594	-0.608	-0.219
A010508_01		0.253	-0.02	-0.027	-0.122	0.322	0.296	0.223	0.15
A010516_01		-0.153	-0.135	-0.189	-0.253	-0.025	0.032	-0.043	-0.178
A010517_01		-0.57	-0.991	-0.467	-0.31	-0.997	-0.829	-0.868	-0.477
A010518_01		-0.94	-1.044	-0.59	-0.387	-1.423	-1.186	-0.566	-0.44
A010522_01		0.222 NA		0.322 NA		-0.373	-0.81 NA	NA	
A010526_01		-0.24	-0.428	-0.145	-0.172	-0.025	-0.113 NA	NA	
A010527_01		0.132	-0.055	0.235	0.177	0.847	1.05	0.483	0.405
A010534_01		0.252	0.043	-0.003	-0.147	-0.003	0.047	0.154	0.067
A010535_01		0.023	0.4	0.106	-0.046	0.386	0.355	0.306	0.499
A010538_01		-0.055	-0.01	-0.052 NA		0.046	0.259 NA	NA	
A010541_01		-0.674	-0.433	-0.193	-0.062	0.35	0.68	-0.033	0.029
A010544_01		0.074	-0.056	0.091	0.182	-0.18	-0.251	-0.064	-0.206

A010548_01	-0.254	-0.361	0.054	-0.054	-0.418	-0.722	-0.026	-0.277
A010549_01	-0.137 NA		0.146	0.009 NA		-0.53 NA		-0.016
A010555_01	0.045	0.126	-0.346	-0.297	0.199	0.479	0.279	0.401
A010557_01	-0.194	-0.241	0.005	0.105	0.092	0.02	-0.073	-0.149
A010559_01	-0.184	-0.086	-0.102	-0.017	-0.607	-0.578	-0.353	-0.207
A010563_01	0.179 NA		-0.164 NA		0.194	0.079 NA		-0.053
A010564_01	0.041	-0.087	0.064	0.253	0.02	-0.028	0.188	-0.073
A010568_01	0.27	0.449	0.142	0.047	0.182	0.29	0.127	0.303
A010571_01	0.009 NA		-0.13	0.117	-0.484	-0.547 NA		-0.113
A010573_01	-0.021	-0.083	-0.088	0.033	0.069	-0.084	0.216	0.072
A010578_01	0.073	-0.015	-0.201	-0.227	0.018	-0.069	-0.005	-0.142
A010579_01	0.434	0.347	-0.063	0.081	0.191	0.267	-0.21	-0.18
A010582_01	-0.073	-0.122	-0.047	0.151	0.324	0.45 NA		-0.848
A010591_01	0.268 NA		0.135	-0.056 NA	NA		-0.071	-0.095
A010592_01	0.075 NA		0.364	0.205 NA		0.167	0.14	-0.149
A010593_01	-0.347	-0.306	0.031	-0.176	-0.334	-0.163	-0.148	0.027
A010595_01	-0.073	-0.338	-0.181	-0.157	-0.154	-0.154	0.026	0.003
A010599_01	-0.495	-0.248	-0.014	0.105	-1.138	-1.346	-0.352	-0.356
A010601_01	-0.367 NA		0.033	0.078	0.376	0.272 NA	NA	
A010602_01	-0.119 NA		0.064	-0.06	-0.069	-0.156 NA		-0.136
A010603_01	0.223 NA		-0.162	-0.136 NA		0.121 NA		0.064
A010604_01	0.166	-0.018	0.076	-0.012 NA		-0.158 NA	NA	
A010605_01	0.101 NA		-0.151	-0.165	-0.233	-0.277 NA		-0.139
A010606_01	0.226	0.237	-0.582	-0.236	0.033	0.16	-0.259	-0.247
A010607_01	0.056	0.257	0.135	0.15	0.208	0.043	0.009	0.073
A010608_01	0.045	0.079	0.209	0.153	-0.175	-0.21 NA		-0.261
A010611_01	0.148 NA		0.143 NA		-0.355	-0.3 NA		0.062
A010612_01	-0.217 NA		0.013 NA		-0.279	-0.148 NA		0.008
A010615_01	-0.181	-0.246	-0.163	0	-0.323	-0.189	-0.003	-0.124
A010616_01	0.038	-0.184	0.037	0.082	-0.43	-0.821	0.19	-0.125
A010617_01	0.188	-0.001	0.04	-0.076	0.452	0.445	0.288	0.249
A010619_01	0.59	0.698	-0.505	-0.148	0.437	0.725	-0.169	-0.06
A010624_01	0.219	0.069	0.002	0.016	0.248	0.207	0.11	0.061
A010625_01	0.144	0.015	-0.03	-0.168	0.131	0.167	0.045	0.143
A010626_01	-0.303	-0.366	-0.127	-0.053	-0.488	-0.568	-0.043	-0.09
A010628_01	0.024	-0.003	-0.093	-0.199	-0.335	-0.43	-0.009	0.006
A010629_01	-0.008	-0.316	0.149	0.078	-0.693	-0.99	-0.208	-0.296
A010632_01	0.107	0.007	-0.553 NA		0.403	0.68 NA	NA	
A010633_01	0.117 NA	NA		0.06 NA		-0.247 NA	NA	
A010634_01	-0.013	0.06	-0.155	0.004	-0.673	-0.612	0.002	-0.067
A010636_01	0.131	-0.091	-0.254	-0.13	-0.141	-0.089	0.101	0.112
A010637_01	0.261 NA		-0.229	0.008	-0.107	-0.234 NA		-0.09
A010638_01	0.012	0.019	0	0.024	0.004	0.049	-0.184	-0.265
A010643_01	0.006	-0.049	-0.059	-0.279	-0.238	-0.415	-0.216	-0.221
A010645_01	-0.138	-0.112 NA		-0.028	-0.167	-0.211	-0.176	-0.06
A010647_01	0.011	-0.065	-0.132	-0.076	-0.171	-0.267	0.162	0.015
A010648_01	-0.607	-0.335	0.085	0.074	0.262	0.687	-0.455	-0.129
A010650_01	0.281	0.193	-0.145	-0.123	0.127	0.192	-0.022	-0.122
A010652_01	0.272	-0.163	-0.117	-0.182	-0.012	-0.149	0.231	0.172
A010656_01	-0.423	-0.658	-0.016	-0.068	-0.399	-0.235	-0.013	0.163
A010658_01	0.4	0.294	-0.166	-0.055	-0.845	-1.06	0.06	0.177
A010659_01	-0.111	-0.195	0.06	0.139	0.102	0.112	0.152	0.134
A010660_01	-0.415	-0.58	-0.661	-0.701	-0.796	-0.949	-0.666	-0.63
A010663_01	-0.046	-0.042	-0.023	-0.052	-0.037	-0.006	0.188	0.203
A010666_01	-0.434	-0.104	-0.553	-0.597	-0.438	-0.351	-0.655	-0.416
A010669_01	-0.183	0.046	-0.287	-0.317	0.827	1.111	0.265	0.282
A010676_01	0.445	0.639	0.676	0.468	-0.174	-0.456	-0.352	-0.102
A010677_01	0.371	0.335	-0.242	-0.306	0.344	0.518	0	0.14
A010678_01	0.26 NA		0.149	0.092	0.079	-0.121 NA		-0.129
A010679_01	-0.226 NA		0.056	-0.004	-0.668	-0.958	0.123	-0.118
A010681_01	0.029	-0.253	0.167	-0.01	0.399	0.566	0.193	0.134
A010689_01	-0.405 NA		0.743 NA		0.095	-0.02 NA	NA	
A010690_01	0.07	0.209	0.033	0.026	0.246	0.407	-0.076	0.217
A010693_01	-0.045	-0.07	-0.037	0.011	0.183	0.197	0.173	-0.083
A010696_01	-0.316	-0.337	-0.268	-0.372	0.167	0.099	0.137	0.019
A010698_01	0	-0.125	-0.003	0.069	-0.084	-0.13	-0.145 NA	
A010699_01	-0.317	-0.164	-0.088	-0.029	-0.179	-0.006	-0.164	0.15
A010701_01	0.051	0.289	-0.155	-0.325	0.266	0.645 NA		0.416

A010704_01	0.217	0.207	-0.258	-0.234	0.214	0.187	0.079	-0.018
A010706_01	0.055 NA		0.007	-0.022 NA	NA	NA		-0.004
A010708_01	-0.514 NA		0.227	0.18	-0.927	-1.118 NA		-0.279
A010709_01	-0.056	-0.228	0.187	0.034	-0.291	-0.362 NA		-0.239
A010710_01	0.234	-0.073	0.03	-0.041	-0.041	-0.218	0.322	-0.142
A010713_01	-0.088 NA		-0.274	-0.019	0.076	-0.161 NA	NA	
A010715_01	-0.212	-0.233	-0.011	0.119	0.109	0.295	0.273	0.176
A010720_01	-0.05	-0.169	0.061	-0.086	0.106	0.152 NA	NA	
A010724_01	0.257	0.259	0.069	0.007	0.599	0.536	-0.071	0.094
A010725_01	0.073	-0.048	-0.167	-0.173	0.032	0.015	0.157	0.092
A010727_01	0.202	-0.062	-0.343	-0.078	-0.307	-0.288	0.104	-0.236
A010729_01	-0.04	-0.177	0.008	-0.07	-0.028	-0.029	0.074	0.054
A010731_01	-0.527 NA		0.114	0.502 NA		-1.48	-0.822	-0.938
A010732_01	0.302	0.154	0.133	0.109	0.058	-0.11	-0.072	-0.032
A010733_01	0.002	-0.04	-0.373	-0.259	-1.012	-1.079	-0.387	-0.419
A010734_01	0.527	0.444	-0.266	-0.175	0.069	0.06	0.017	-0.013
A010737_01	-0.031	0.014	-0.244	0.12	-0.046	0.206	-0.038	-0.035
A010739_01	-0.776	-0.805	0.378	0.649	-1.931	-2.119	-0.201	-0.235
A010744_01	-0.262 NA	NA		0.318 NA		-0.192 NA	NA	
A010745_01	0.071	0.179	0.121	0.142	0.295	0.271 NA	NA	
A010749_01	-0.259	-0.197	0.122	0.061	-0.121	-0.151	-0.141	-0.153
A010750_01	-0.378	-0.334	0.052	0.074	-0.349	-0.421	-0.751	-0.497
A010751_01	-0.091 NA		0.104	0.204 NA		-0.047	-0.033	-0.072
A010756_01	0.027 NA		-0.062	-0.019 NA		-0.166	-0.147 NA	
A010758_01	-0.546	-0.331	0.197	0.033	-0.322	-0.414	0.022	0.011
A010759_01	0.04 NA	NA		0.088	0.185	0.277 NA	NA	
A010772_01	-0.099	0.182 NA		-0.123	-0.154	-0.171 NA		0.174
A010775_01	0.03 NA		0.055	0.021	0.096	0.059 NA	NA	
A010776_01	0.078	0.029	-0.034	-0.067	-0.236	-0.287	0.062	0.108
A010781_01	-0.399	-0.403	-0.289	-0.3	-0.005	0.073	-0.116	-0.055
A010790_01	0.354	0.472	0.244	0.174	0.86	0.78	0.606	0.699
A010803_01	0.105 NA		-0.125	-0.043 NA		-0.208 NA		0.186
A010804_01	0.262	0.409	0.28	0.522	0.32	0.424	-0.427	-0.254
A010805_01	0.248	0.294	-0.34	-0.203	0.071	0.2	-0.304	-0.307
A010815_01	-0.11	-0.064	-0.217	-0.212	-0.132	-0.136	0.276	0.233
A010819_01	-0.096 NA		0.179	0.229	-0.033	0.123 NA		0.026
A010822_01	0.296	-0.029	-0.023	0.009	0.223	0.182 NA		0.035
A010834_01	-0.148	-0.007	0.021	-0.057	-0.202	-0.078	-0.1	-0.034
A010837_01	-0.305	-0.149	-0.002	-0.029	-0.432	-0.561	0.225	0.343
A010846_01	0.224	0.212	-0.016	0.012	0.07	0.096	-0.238	-0.229
A010851_01	0.234	0.039	0.145	0.455	0.201	0.421	-0.13	-0.05
A010863_01	-0.409	-0.055	-0.822	-0.594	-0.434	-0.588	-0.343	-0.209
A010869_01	-0.138	-0.249	-0.201	-0.126	-0.202	-0.091	0.088	0.293
A010874_01	0.531	0.57	0.023	0.021	0.705	0.599	0.17	0.236
A010875_01	0.246 NA		0.077	-0.033 NA		-0.614	-0.026	-0.099
A010876_01	0.164	0.094	-0.052	-0.05	0.174	0.203 NA	NA	
A010877_01	NA	NA	-0.106	-0.269	0.418	0.225 NA	NA	
A010879_01	0 NA		0.207	0.148	-0.64	-0.748 NA	NA	
A010881_01	0.217	0.193	-0.235	-0.177	-0.251	-0.213	-0.067	0.031
A010885_01	0.012 NA		0.126	0.28	0.024	0.038	0.046	0.052
A010887_01	0.144 NA		-0.165	-0.32	0.118	0.065 NA	NA	
A010892_01	-0.043	-0.082	-0.2	-0.04	-0.199	-0.057	-0.077	0.07
A010893_01	-0.09	-0.08	-0.257	-0.336	0.022	-0.059	0.094	0.118
A010898_01	-0.625 NA		0.169	0.237	0.177	0.297 NA	NA	
A010902_01	0.146	0.03	0.116	0.069	0.427	0.514	0.234	-0.045
A010909_01	-0.089	-0.07	-0.034	0.057	0.001	0.194	-0.114	0.007
A010911_01	0.029	-0.056	-0.139	-0.002	-1.284	-1.478	0.075	0.029
A010912_01	0.404	0.299	0.091	-0.086 NA		-0.245 NA	NA	
A010915_01	-0.168 NA		-0.286	-0.351	0.167	0.351	0.42	0.54
A010916_01	0.336	0.106	0.117	0.209	-0.051	-0.069	-0.37	-0.481
A010926_01	-0.611 NA		-0.142	0.123	-0.295	-0.216 NA	NA	
A010929_01	0.221 NA		0.01	0.059	0.365	0.498 NA	NA	
A010934_01	0.081	0.043	-0.213	-0.016	-0.128	-0.08	0.039	0.07
A010935_01	-0.11	-0.16	-0.379	-0.211	0.235	0.458	0.045	0.002
A010938_01	-0.042	0.07	-0.163	-0.381	-0.164	-0.127	-0.005	0.261
A010941_01	-0.154	0.146	-0.145	-0.27	-0.173	-0.15	-0.017	0.318
A010942_01	0.191	0.096	-0.069	-0.114	0.314	0.276	0	-0.12
A010943_01	-0.048 NA		-0.029	0.101	-0.768	-0.871	0.089	-0.195

A010947_01	NA	NA		-0.189	-0.12	NA		0.074	0.227	0.341
A010948_01	NA	NA		-0.209	-0.253	NA		-0.258	0.197	-0.02
A010949_01		-0.154	-0.219	-0.931	-0.954	0.595		0.935	NA	0.141
A010951_01		0.006	NA	-0.208	0.04	0.012		0.104	NA	NA
A010955_01		0.393	0.701	0.163	0.233	-0.316		-0.427	-0.776	-0.584
A010958_01		-0.861	-0.932	-1.655	-1.208	0.134		0.676	-0.422	-0.456
A010960_01		0.039	-0.148	0.121	0.117	0.117		-0.087	0.054	0.194
A010961_01		-0.201	-0.042	-0.078	-0.262	0.458		0.786	-0.237	-0.049
A010963_01		0.172	0.202	-0.05	-0.036	0.158		0.268	0.067	0.091
A010964_01		0.363	0.098	0.138	0.049	0.387		0.58	-0.374	-0.439
A010973_01	-0.197	NA	NA	NA		-0.313		-0.366	NA	NA
A010976_01		0.233	0.091	-0.097	-0.022	-0.149		-0.161	0.127	-0.016
A010980_01		0.486	NA	0.013	0.012	NA		0.185	0.242	0.106
A010995_01		0.169	-0.148	-0.249	-0.297	NA		-0.426	NA	-0.079
A010996_01		0.253	-0.156	-0.227	-0.168	-0.065		0.159	0.141	0.215
A011002_01		-0.05	-0.041	0.22	0.234	-0.272		-0.282	0.117	0.297
A011007_01		0.292	0.318	0.251	0.306	0.263		0.392	0.045	0.015
A011019_01		0.232	0.13	-0.117	-0.111	0.282		0.255	-0.004	-0.023
A011021_01		-0.072	0.131	0.003	0.067	-0.102		-0.129	-0.033	-0.022
A011029_01		0.074	0.209	-0.059	0.005	0.521		0.913	NA	NA
A011033_01		0.018	0.128	-0.238	-0.231	0.163		0.278	0.2	0.289
A011038_01		0.032	-0.014	-0.006	0.001	0.16		0.241	0.159	-0.139
A011039_01		-0.225	-0.064	-0.031	-0.08	0.078		0.202	-0.16	0.013
A011040_01		0.253	NA	0.365	0.075	0.387		0.389	NA	-0.009
A011046_01		0.093	-0.229	0.334	0.168	-0.028		-0.127	-0.525	-0.585
A011048_01	NA	NA		0.208	0.161	NA		-0.354	0.022	-0.021
A011054_01		0.114	-0.102	-0.201	-0.119	-0.278		-0.304	0.13	0.102
A011055_01		0.083	-0.11	-0.084	-0.181	-0.402		-0.41	-0.176	-0.159
A011064_01		-0.258	-0.314	-0.219	-0.224	-0.093		-0.123	0.289	0.225
A011068_01		-0.074	0.088	0.048	-0.003	0.347		0.451	-0.288	-0.117
A011077_01	NA	NA		-0.555	NA	NA		0.154	NA	NA
A011078_01		-0.274	-0.415	0.453	0.575	0.08		0.129	-0.347	-0.401
A011085_01		0.061	-0.074	0.344	0.242	-0.432		-0.485	0.238	0.114
A011089_01		0.283	0.298	0.078	-0.229	0.252		0.097	-0.187	-0.165
A011090_01		0.441	0.398	0.084	0.264	NA		-0.041	0.083	-0.147
A011094_01		0.19	0.086	-0.242	-0.199	0.04		0.023	0.076	-0.041
A011096_01		0.388	NA	NA	-0.279	NA		0.262	NA	0.227
A011104_01		0.171	NA	0.256	0.164	0.126		0.172	NA	-0.359
A011108_01		0.178	NA	-0.121	-0.383	0.071		-0.239	0.182	0.039
A011109_01		0.286	0.373	0.017	-0.011	0.26		0.408	-0.072	-0.091
A011114_01		0.108	0.367	0.177	0.013	0.328		0.385	NA	0.261
A011121_01		-0.289	-0.368	0.078	-0.11	-0.029		-0.112	0.107	0.078
A011124_01		0.374	0.098	0.15	0.273	NA		-0.021	0.211	0.014
A011130_01		0.11	0.473	0.19	0.109	0.405		0.571	0.328	0.221
A011132_01		0.138	-0.072	-0.099	0.008	-0.07		0.145	-0.092	NA
A011133_01		-0.113	-0.074	0.149	0.118	-0.492		-0.74	0.429	0.331
A011142_01		-0.004	-0.163	-0.131	0.09	-0.075		0.068	0.142	-0.04
A011146_01		-1.024	-1.109	-2.704	-2.515	0.14		0.59	-1.796	-1.564
A011148_01		0.098	0.013	0.031	-0.038	-0.873		-0.916	NA	0.064
A011153_01		-0.197	-0.335	-0.083	-0.123	-0.065		-0.103	NA	-0.107
A011159_01		-0.314	-0.373	-0.025	0.148	-0.118		-0.168	0.003	0.16
A011163_01		0.346	NA	0.137	-0.005	NA		-0.566	NA	-0.088
A011164_01		0.054	NA	0.166	0.007	NA		NA	0.209	-0.069
A011167_01		0.16	0.1	-0.104	0.058	-0.153		-0.109	-0.185	-0.209
A011171_01		-0.12	-0.053	0.093	-0.109	0.159		0.267	0.066	0.013
A011187_01		0.445	NA	0.664	0.583	0.892		1.23	NA	0.044
A011189_01		0.313	0.233	0.141	0.079	0.106		0.111	0.277	0.093
A011190_01		0.26	0.212	0.162	0.077	-0.887		-0.996	-0.504	-0.334
A011193_01		0.367	0.383	0.924	0.662	0.17		0.016	-0.363	-0.247
A011194_01		-0.182	NA	-0.066	-0.265	-0.375		-0.545	0.162	0.041
A011198_01		-0.327	-0.588	-1.712	-1.725	-1.516		-1.306	-0.428	-0.565
A011199_01		-0.255	-0.26	0.386	0.21	0.504		0.495	-0.146	-0.275
A011200_01		0.093	0.114	-0.005	-0.12	0.405		0.437	0.08	0.037
A011203_01		-0.23	NA	-0.394	-0.308	NA		0.204	NA	0.177
A011208_01		-0.068	NA	-0.088	NA			0.357	0.52	NA
A011223_01		-0.069	-0.226	0.004	-0.041	-0.119		-0.198	-0.041	-0.015
A011226_01		0.162	NA	0.016	NA	NA		-0.244	NA	NA
A011227_01	NA		-0.438	0.482	0.233	0.49		0.783	-0.906	-0.861

A011228_01	-0.189	-0.275	-0.728	-0.658	0.268	0.33	0.088	0.15
A011231_01	0.157	0.1	-0.289	-0.089	-0.081	-0.108	0.155	-0.081
A011242_01	-0.127	-0.108	-0.093	-0.091	0.292	0.334	0.049	0.004
A011250_01	0.221	0.169	0.117	-0.152	0.163	-0.073	0.11	-0.056
A011263_01	0.156	-0.042	-0.065	-0.161	0.162	0.032	0.088	-0.087
A011267_01	-0.169	-0.228	-0.036	-0.095	-0.359	-0.503	-0.441	-0.441
A011270_01	0.227 NA		0.246	0.155 NA	NA		-0.056	0.069
A011274_01	-0.747	-0.588	-0.656	-0.86	-0.576	-0.655	-0.035	-0.139
A011285_01	0.049	-0.001	0.211	0.048	0.467	0.583	-0.103	-0.048
A011288_01	0.239 NA		0.019	0.08 NA	NA	NA	NA	
A011296_01	0.479 NA		0.107	0.312 NA		-0.363	0.099	-0.005
A011301_01	0.012	0.132	0.105	-0.117	0.248	0.311	0.091	0.232
A011304_01	-0.316	-0.076	-0.039	-0.227	-0.513	-0.448	-0.284	-0.052
A011306_01	0.408 NA		0.183	0.206	-0.162	-0.179 NA		-0.255
A011307_01	-0.138	0.158	-0.454	-0.376	-0.226	-0.075	-0.454	-0.121
A011311_01	0.499	0.157	0.113	0.146	0.526	0.401	0.019	-0.111
A011320_01	-2.036	-1.856 NA	NA	NA	NA	NA	NA	
A011322_01	0.454	0.401	0.271	0.198	0.642	0.591	0.055	-0.013
A011323_01	-0.089	-0.167	-0.23	0.149	0.084	0.082	-0.47	-0.581
A011326_01	-0.133 NA		-0.05	0.16	-0.199	0.032	0.202	0.332
A011331_01	-0.315	-0.309	-0.861	-0.662	-0.008	0.014	0.119	0.299
A011336_01	-0.091	-0.246	0.117	0.159	0.441	0.533	0.008	-0.012
A011338_01	-0.096 NA	NA		0.165	0.717	0.749 NA		0.196
A011339_01	-0.191	-0.012	-0.389	-0.428	0.292	0.343	0.152	0.402
A011341_01	-0.038 NA	NA	NA		-0.215	-0.28 NA		0.227
A011342_01	0.059 NA		0.21	0.202	-0.961	-1.279	-0.225	-0.279
A011343_01	-0.025	0.063	-0.12	-0.098	-1.024	-1.336	0.024	-0.041
A011344_01	-1.014	-0.766	0.155	0.255	-0.194	0.007	-0.318	-0.15
A011349_01	0.065 NA		0.001 NA	NA		-0.104 NA		0.227
A011356_01	-0.255 NA		-0.072	-0.039 NA	NA	NA		0.052
A011359_01	-1.077	-0.851	-0.919	-0.835	-0.174	0.605	-0.169	0.105
A011361_01	-0.175	-0.009	0.018	0.004	0.027	0.077	-0.062	0.183
A011372_01	-0.396 NA		-0.192 NA	NA		-0.587 NA	NA	
A011374_01	0.1	-0.072	-0.047	-0.224	0.248	0.065	0.194	0.012
A011382_01	-0.191	-0.122	0.047	0.069	-0.078	-0.054	-0.13	-0.045
A011384_01	-0.047	-0.176	0.027	-0.057	-0.173	-0.19	0.048	0.036
A011385_01	0.162	-0.041	0.059	-0.038	-0.165	-0.573	0.326	0.161
A011387_01	0.179 NA		-0.291	-0.064	0.056	0.005 NA	NA	
A011390_01	0.335 NA		0.333 NA		-0.346	-0.495 NA	NA	
A011395_01	0.341	0.359	0.182	0.107	0.107	0.179	0.143	0.19
A011396_01	-0.72	-0.637	-0.206	-0.096	-0.867	-0.808	0.088	0.256
A011397_01	-0.468	-0.202	-0.109	0.064	-0.09	-0.008	0.04	0.198
A011407_01	0.39	0.664	0.173	0.208	0.338	0.514	-0.108	0.113
A011414_01	0.425	0.217	0.182	-0.105	0.028	-0.361 NA		-0.054
A011416_01	0.325	0.329	0.175	0.081	0.195	-0.021	0.009	-0.039
A011419_01	-1.135	-0.956	-0.489	-0.481	-0.306	-0.153	-0.258	0.03
A011422_01	0.145	-0.081	-0.167	-0.23	0.235	0.188	0.25	0.084
A011426_01	0.143 NA		0.079	0.048 NA	NA		0.096	0.134
A011428_01	0.302 NA		-0.085	-0.131	0.569	0.491	0.413	0.352
A011429_01	0.006	0.262	-0.131	-0.271	0.246	0.25	-0.242 NA	
A011435_01	0.352 NA		0.01	-0.084 NA	NA		0.166	0.151
A011436_01	-0.672	-0.625 NA	NA		0.63	0.671 NA		-0.016
A011441_01	0.005	0.17	-0.347	-0.31	0.387	0.748	0.06	0.184
A011445_01	0.05	0.183	0.262	0.01	0.158	0.127	-0.133	0.042
A011446_01	0.144	0.26	-0.154 NA		-0.173	-0.203 NA	NA	
A011452_01	0.063	0.052	-0.103	-0.233	-0.17	-0.321	0.072	0.132
A011455_01	0.118	0.057	-0.148	-0.082	0.085	0.158	0.105	0.064
A011460_01	NA	-0.019	-0.374	-0.324	-0.092	-0.129	-0.172	-0.178
A011461_01	NA	NA	-0.038	0.179	-0.339	-0.299	-0.155	0.027
A011462_01	0.079 NA	NA		0.06	-0.323	-0.339 NA	NA	
A011471_01	0.187 NA		0.181	0.104 NA	NA	NA	NA	
A011472_01	-0.19	-0.23	0.155	-0.07	0.329	0.211	0.171	-0.002
A011474_01	-0.051	-0.027	0.118	-0.069	0.094	0.108	-0.197	0.167
A011478_01	0.504	0.438	0.08	0.028	0.481	0.274	0.064	0.078
A011479_01	-0.095	-0.156	-0.189	-0.057	-0.435	-0.724	0.061	0.075
A011480_01	0.187	0.047	0.012	0.068	-0.198	-0.534	0.1	0.043
A011486_01	-0.273	-0.126	0.214	-0.036	0.126	0.079	0.102	0.232
A011487_01	-0.034 NA		0.347	0.368	0.312	0.607	0.224	0.263

A011489_01		-0.383	-0.604	-0.682	-0.651	0.291	0.126 NA	NA	
A011491_01		0.042 NA		0.264	0.214	-0.381	-0.436 NA	NA	
A011505_01		0.001	0.15	0.012	-0.055	0.071	-0.032	-0.107	-0.058
A011508_01		-0.139	0.006	0.124	-0.137	-0.167	-0.134	-0.143	-0.062
A011510_01		0.284	0.18	-0.144	-0.407	0.251	0.107	0.112	0.199
A011511_01		-0.233	-0.375	-0.18	-0.247	-0.125	-0.128	-0.012	-0.048
A011512_01		0.162	0.032	-0.116	-0.092	0.176	0.071 NA	NA	
A011521_01		-0.03	-0.061	0.194	0.032	-0.094	-0.149	0.095	0.094
A011522_01		0.238	0.147	0.193	0.026	-0.039	-0.337	0.1	0.034
A011523_01		-0.533	-0.557 NA		-0.545	-0.564	-0.392 NA	NA	
A011526_01		0.033	-0.096	-0.043	0.166	-0.122	0.067	0.257	0.337
A011532_01		0.33	0.43	-0.431	-0.2	0.549	0.81	0.405	0.47
A011533_01		0.072 NA		0.224	0.238	-0.472	-0.687	0.024	0.195
A011535_01		0.017	-0.073	-0.203	-0.217	0.39	0.313	0.166	0.23
A011536_01	NA		-0.31	-0.08 NA	NA		0.067 NA	NA	
A011539_01		0.07	-0.071	-0.047	-0.027	0.024	-0.145	0.123	0.044
A011540_01		0.107	0.177	0.049	-0.072	0.105	0.148	-0.193	0.176
A011541_01		0.636 NA		0.477	0.245	0.143	-0.872 NA		-0.213
A011544_01		0.331	0.131	-0.186	0.016	-0.441	-0.453	-0.052	-0.191
A011546_01		0.411	0.114	0.284	0.043	0.199	0.065	0.255	-0.032
A011548_01	NA		-2.453	-1.976	-1.867 NA		-4.065	-2.428 NA	
A011550_01		-0.013 NA		0.11	0.155	0.762	0.947	0.023	0.076
A011557_01		-0.199 NA		0.225	0.405	-0.378	-0.266	-0.104	-0.135
A011566_01		0.257	0.382	0.15	-0.069	0.203	0.075	0.017	-0.03
A011569_01		-0.217	-0.308	-0.124	-0.12	-0.069	-0.289	-0.03	-0.329
A011571_01		0.138 NA	NA		-0.089	-0.22	-0.489 NA	NA	
A011574_01		-0.184	-0.281	0.468	0.225	0.222	0.05	-0.178	-0.098
A011575_01		-0.119	-0.201	-0.145	0.049	-0.047	0.174	0.255	0.211
A011576_01		0.269	-0.021	-0.178	-0.179	0.207	0.204	0.115	-0.049
A011584_01		0.221	0.249	-0.007	-0.082	0.276	0.263	0.155	0.258
A011585_01		0.427	0.488	0.21	0.133	-0.048	-0.157 NA		0.015
A011589_01		0.149	0.084	-0.026	-0.175	0.198	0.067 NA		-0.012
A011592_01		0.271 NA		-0.134	-0.104	-0.071	0.029 NA		0.042
A011593_01		0.337	0.41	0.05	0.131 NA		-0.354	-0.11	-0.04
A011600_01		-0.491	-0.226	0.208	0.035	0.008	0.102	-0.052	0.196
A011601_01	NA		-0.01	-0.708	-0.573 NA	NA		-1.205 NA	
A011604_01		-0.083	-0.153	-0.197	-0.165	-0.051	-0.159	0.089	0.018
A011606_01		-0.442	-0.412	-0.51	-0.509	-0.49	-0.524 NA		-0.158
A011607_01	NA		0.29	0.346	0.13	0.095	-0.065	-0.347	-0.288
A011610_01		-0.101	0.065	0.31	0.39	0.009	0.189	-0.241	-0.149
A011611_01		0.013 NA		-0.317	-0.262	-0.073	-0.073	0.274	0.226
A011613_01	NA		0.644	0.267	0.213 NA		-0.077	0.058	0.14
A011614_01		-1.567	-1.25	0.074	-0.071	-1.669	-1.623	-0.799	-0.422
A011619_01		0.332	0.389	0.184	0.117	-0.564	-0.905	-0.135 NA	
A011622_01		0.566	0.605	0.024	0.034	0.221	0.297	-0.213	-0.15
A011624_01		0.057 NA		0.369	0.282	0.341	0.588 NA	NA	
A011625_01		-0.101	0.009	-0.38	0.008	-0.119	-0.064	0.26 NA	
A011629_01		-0.134	0.067	0.007	-0.259	-0.225	-0.353	-0.042	0.003
A011630_01		0.192	0.127	-0.05 NA		-0.062	0 NA	NA	
A011631_01		0.304	0.338	-0.071	-0.037	0.311	0.222	0.261	0.246
A011634_01		-0.393	-0.334	-0.081	0.266	-0.48	-0.473	0.141	-0.017
A011637_01	NA	NA		0.293	0.26 NA		-0.187 NA	NA	
A011650_01		-0.433	-0.227	0.007	-0.021	-0.851	-1.028	-0.119	-0.298
A011652_01		-0.054	0.109	-0.064	0.024	0.052	0.222 NA		-0.053
A011653_01		-0.027	0.068	-0.066	-0.183	0.052	0.164	-0.025	-0.02
A011654_01		0.186	-0.052	0.079	0.006	0.159	0.073	0.014	0.02
A011655_01		0.291	0.19	0.04	0.061	0.382	0.414	0.127 NA	
A011658_01		0.43	0.706	-0.64	-0.42	-0.522	-0.375	-0.352	-0.238
A011661_01		-0.029	0.008	-0.07	0.002	-0.043	0.015	0.174	0.133
A011662_01		-0.462	-0.59	-0.52	-0.152	-0.939	-0.858	-0.122	-0.11
A011663_01		-0.033	-0.016	-0.315	-0.172	0.113	0.161 NA		-0.151
A011665_01		0.289	0.408	-0.213	-0.196	0.029	-0.048	-0.656	-0.631
A011666_01		-0.385	-0.419	-0.254	-0.329	-0.722	-0.664 NA	NA	
A011671_01		-0.171	-0.013	-0.128	-0.022	-0.711	-0.391	-0.644	-0.048
A011672_01		0.352 NA		0.086	-0.036 NA	NA	NA	NA	
A011673_01		0.524	0.209	0.272	0.14	-0.806	-0.923	-1.393	-1.654
A011674_01		0.112	0.204	0.202	0.344	-0.417	-0.531	0.077	0.128
A011675_01		0.159 NA		0.435	0.398 NA	NA		-0.171	-0.05

A011677_01	0.471	0.255	0.101	0.164	0.341	0.259	0.166	0.034
A011678_01	-0.01	-0.353	0.148	0.216 NA		-0.471 NA	NA	
A011687_01	0.086	0.116	0.165	0.132	0.077	-0.007	0.084	0.101
A011689_01	0.087	-0.029	0.373	0.222	-0.315	-0.517	-0.596	-0.403
A011691_01	0.472	0.292	-0.166	-0.059	0.078	-0.092	0.186	-0.003
A011692_01	0.066	0.277	0.157	0.069	0.342	0.426	0.099	0.232
A011693_01	0.202 NA		0.106	0.112 NA		0.227 NA		-0.067
A011694_01	0.276	0.382	0.17	0.236	0.442	0.457	-0.296	-0.24
A011695_01	0.172	0.395	-0.078	0.037	-0.34	-0.197	0.021	0.182
A011696_01	0.318	0.244	-0.026	0.122 NA		-0.369	-0.149 NA	
A011700_01	-0.224	0.15	0.025	-0.121	0.094	0.286	-0.066	0.337
A011703_01	0.33 NA		0.244 NA		0.185	0.173 NA	NA	
A011712_01	0.482 NA		0.205	0.357 NA	NA		-0.037	-0.141
A011713_01	-0.067 NA		0.09	-0.224 NA	NA		0.186	0.106
A011716_01	0.542	0.342	0.066	0.001	0.179	0.178	0.16	0.109
A011717_01	-0.52	-0.159	0.031	0.105	-0.627	-0.783	-0.208	-0.156
A011718_01	0.24 NA		0.029	0.053	0.42	0.437	-0.429	-0.115
A011719_01	0.401	0.676	0.099	-0.026 NA	NA		-0.072	0.149
A011720_01	-0.255	-0.054	0.217	0.346	0.138	0.361	-0.211	0.055
A011722_01	-0.51	-0.3	0.007	-0.275	-0.813	-0.949	-0.191	-0.086
A011724_01	-0.09	0.047	0.082	-0.201	0.26	0.307	0.012	0.405
A011725_01	0.312 NA		0.018	0.055 NA	NA	NA		-0.001
A011726_01	-0.041	0.206	-0.155	0.102	0.638	0.713	-0.002	0.246
A011728_01	0.206 NA		0.258	0.11	0.184	0.124 NA		-0.332
A011732_01	0.11	0.199	0.523	0.319	0.432	0.508	-0.358	-0.248
A011740_01	0.196 NA		0.757	0.72 NA	NA		-0.266	-0.262
A011743_01	0.181	0.332	-0.442	-0.351	0.107	-0.012	0.122	0.021
A011749_01	-0.139 NA		-0.07 NA	NA		-0.239 NA	NA	
A011750_01	-0.174	0.045	-0.295	-0.225	-0.04	0.136	0.176	0.175
A011752_01	0.05	0.177	0.188	0.056	0.047	0.08	-0.105	-0.032
A011755_01	0.035	1.122	-0.008	0.161	0.297	0.668	-0.235	0.413
A011757_01	0.086	0.171	0.165	0.15	-0.166	-0.115	-0.106	-0.043
A011758_01	0.509	0.354	-0.096	-0.1	0.597	0.538	0.128	0.082
A011760_01	-0.036	0.22	-0.188	-0.141	-0.383	-0.396	-0.185	0.03
A011761_01	-0.265	-0.215	0.049	0.246	-0.234	-0.249	-0.051	0.034
A011762_01	-0.272	-0.316	-0.196	-0.37	-0.232	-0.153 NA		-0.019
A011763_01	0.31	0.512	-0.111	0.14	-0.348	-0.206	-0.011	0.158
A011764_01	0.189	0.13	0.286	0.228	0.133	0.037	-0.095	-0.174
A011766_01	-0.07	-0.009	0.404	0.525	-0.545	-0.741	-0.536	-0.439
A011767_01	0.093	0.181	-0.151	-0.102	0.068	0.168	0.179	0.293
A011769_01	-0.033	-0.141	0.062	0.174	0.744	1.03	0.077	-0.063
A011770_01	0.2	-0.031	0.007	0.002	0.065	0.142	0.229	-0.054
A011772_01	0.234	-0.017	0.396	0.346	-0.301	-0.573 NA		-0.548
A011773_01	0.325 NA		0.291	0.414 NA	NA	NA		-0.179
A011774_01	-0.011	-0.028	0.04	-0.109	-0.017	0.022	-0.199	-0.117
A011775_01	-0.082	0.069	0.171	-0.043	0.048	0.063	-0.036	-0.148
A011777_01	0.93	1.052	0.652	0.488	0.748	0.604	-0.263	-0.127
A011778_01	0.358	0.263	-0.017	-0.141	-0.046	-0.025	-0.118	-0.068
A011779_01	-0.085	-0.057	-0.045	-0.119	0.173	0.148	0.015	-0.069
A011780_01	0.243	-0.056	-0.023	-0.054	0.183	0.096	0.168	-0.035
A011781_01	-0.238	-0.235	0.51	0.234	0.606	0.794	0.099	-0.012
A011782_01	0.198 NA		0.111	0.189	-0.689	-0.787 NA	NA	
A011784_01	0.15	0.078	0.149	0.176	-0.049	-0.262	-0.083	-0.162
A011788_01	-0.225	-0.128	-0.276	-0.34	0.453	0.542	0.319	0.246
A011793_01	0.08	0.123	0.225	0.458	0.065	0.207	-0.2	-0.025
A011795_01	0.307	0.155	-0.281	-0.14	-0.544	-0.83	0.68	0.665
A011797_01	0.382	0.542	0.128	-0.112 NA		0.016 NA	NA	
A011798_01	0.123	-0.13	-0.01	0.108	0.141	0.147	0.065	-0.03
A011800_01	0.233	0.119	0.029	-0.068	0.375	0.273	0.283	-0.043
A011802_01	0.212	0.17	-0.159	-0.192	0.094	-0.015	0.186	0.23
A011806_01	0.151	0.019	0.008	-0.186	-0.217	-0.418	0.264	0.229
A011807_01	-0.212	0.026	0.061	0.055	0.557	0.803	0.105	0.233
A011808_01	-0.41 NA		-0.163	-0.1	-1.027	-1.137 NA	NA	
A011810_01	0.36	0.483	-0.109	0.124	-0.603	-0.62	0.377	0.547
A011811_01	-0.865	-0.888	-1.833	-1.606	-0.061	0.407	-0.685	-0.621
A011812_01	-0.108	0.07	-0.083	-0.222	0.025	-0.018	0.163	0.112
A011813_01	-0.051	0.049	-0.21	-0.228	-0.035	0.072	-0.081	0.235
A011814_01	-0.096	-0.053	0.184	0.253	-0.87	-1.103	-0.241	-0.349

A011816_01	0.589	0.103	0.128	-0.177	-0.308	-0.473	0.375	0.126
A011817_01	0.591	0.314	-0.363	-0.202	-0.368	-0.53	0.444	0.284
A011819_01	0.422	0.534	-0.338	-0.467	0.264	0.426	-0.192	-0.135
A011820_01	0.212	0.005	-0.797	-0.704	0.65	0.699	-0.005	-0.138
A011822_01	-0.154	-0.195	0.111	0.112	-0.841	-1.014	-0.039	0.039
A011825_01	0.135 NA		-0.198	-0.073 NA		0.15 NA		0.097
A011826_01	0.103	0.032	-0.119	-0.011	-0.19	-0.217	0.005	-0.022
A011830_01	-0.05	-0.062	0.093	0.028	0.03	-0.017	0.261	0.293
A011831_01	-0.11	0.024	-0.074	-0.139	0.058	0.095	-0.108	-0.152
A011838_01	0.025 NA		-0.009	-0.028	0.135	-0.103 NA	NA	
A011842_01	0.282	0.205	-0.01	-0.112	0.152	-0.011	0.074	-0.093
A011843_01	-0.343	0.141	-0.036	0.101	-0.307	-0.3	-0.117	0.023
A011844_01	0.393	0.401	0.282	0.095	0.505	0.358	-0.052	0.149
A011852_01	0.07	0.077	-0.146	-0.005	0.021	-0.064	-0.04	0.02
A011853_01	0.015	0.045	0.12	0.169	0.204	0.36	-0.187	-0.122
A011854_01	0.358	0.236	0.213	0.263	0.46	0.487	-0.078	-0.144
A011855_01	0.164	-0.075	-0.372	-0.283	-0.241	-0.296	0.017	0.149
A011856_01	-0.033 NA		0.035	0.103 NA		0.378 NA		0.072
A011858_01	-0.006	-0.144	0.078	0.048	-0.194	-0.468	-0.284	-0.373
A011859_01	-0.054	-0.029	-0.147	0.013	-0.26	-0.277	-0.134	-0.159
A011861_01	-1.263	-1.333	-0.634	-0.516	-1.38	-1.478	-0.66	-0.894
A011862_01	0.36	0.164	0.185	0.199	0.263	0.466	0.051	0.134
A011864_01	0.755 NA		0.622	0.291	0.702	0.539 NA		-0.217
A011865_01	0.368 NA		0.115	0.057	0.044	-0.195 NA	NA	
A011866_01	0.121	0.185	-0.085	0.053	-0.069	-0.03	0.051	0.101
A011870_01	0.172 NA		-0.127 NA		0.101	0.024 NA		0.057
A011872_01	0.207 NA		0.357	0.089 NA	NA	NA		-0.065
A011874_01	0.134	-0.208	0	-0.283	0.256	0.16	0.19	-0.234
A011875_01	0.128	-0.021	-0.246	-0.003	-0.121	0.084	0.015	0.011
A011877_01	0.34	-0.087	-0.232	-0.016	-0.054	-0.058	0.164	-0.033
A011881_01	0.217	0.056	0.014	-0.131	0.249	0.156	0.104	-0.008
A011885_01	0.02	-0.141	0.035	-0.081	0.145	0.099	0.152	0.124
A011887_01	0.053 NA		-0.576	-0.625	0.482	0.473	0.567	0.632
A011888_01	-0.071	0.014	0.114	0.406	-0.342	-0.11	-0.313	-0.29
A011889_01	-0.016 NA		-0.031	-0.017	1.154	1.586	0.062	0.418
A011890_01	-0.289	-0.136	-0.138	-0.047	-0.135	-0.126	-0.114	-0.048
A011895_01	-0.002 NA		0.042	0.012	0.053	0.187	-0.174	-0.445
A011896_01	0.149	0.291	-0.028	0.008	0.02	0.333	-0.202	0.223
A011901_01	-0.079	-0.122	0.01	-0.045	0.275	0.203 NA	NA	
A011903_01	0.125	-0.017	0.093	-0.052	0.092	-0.448	0.147	-0.034
A011910_01	-0.291	-0.259	-0.454	-0.174	-0.47	-0.346	-0.062	-0.001
A011912_01	-0.155	0.14	-0.508	-0.47	-0.517	-0.708	0.024	0.214
A011915_01	-0.487 NA		-0.158	-0.228	-0.421	-0.373 NA	NA	
A011921_01	0.134 NA		-0.169	0.106 NA		0.04 NA	NA	
A011932_01	-0.582	-0.361	-2.083	-1.78	-1.698	-1.708	-0.692	-0.693
A011935_01	0.304 NA		-0.006	0.116	-0.579	-0.818 NA		-0.185
A011936_01	NA	NA	0.045	0.012 NA		-0.285	0.036	-0.229
A011941_01	-0.276	-0.034	-0.46 NA		-0.316	-0.073 NA	NA	
A011942_01	0.162	0.22	0.184	0.005	-0.062	0.012	0.018	0.266
A011946_01	0.169	0.158	-0.01	-0.066	-0.023	-0.141	-0.028	0.186
A011949_01	-0.184	-0.037	0.107	-0.025	-1.109	-1.444	-0.285	-0.257
A011950_01	0.123	-0.034	0.071	-0.106	0.182	0.087 NA		-0.012
A011957_01	0.155	0.268	-0.003	-0.064	-0.187	-0.305	0.016	0.077
A011963_01	-0.017	-0.119	1.154	0.862	1.337	1.562	0.114	0.29
A011965_01	-0.077	-0.032	-0.205	-0.459	-0.047	0.135 NA		0.502
A011966_01	0.161	-0.001	0.156	0.217	0.122	0.241	0.114	0.053
A011967_01	0.097	0.001	-0.105	-0.093	-0.133	-0.287	0.074	0.114
A011976_01	0.488	-0.017	0.05	-0.018	0.716	0.765	0.16	-0.152
A011977_01	0.121	0.132	-0.24	-0.303	0.105	-0.042	0.081	0.136
A011978_01	0.173	-0.331	-0.253	-0.3	-0.315	-0.221	0.022	-0.015
A011985_01	0.351 NA		-0.016	-0.154	0.147	-0.074	0.129	0.07
A011986_01	-0.209	-0.316	-0.304	-0.11	-0.874	-0.895	0.045	-0.046
A011988_01	0.078	0.088	0.185	0.107	-0.536	-0.748	-0.051	-0.194
A011992_01	0.154	0.095	0.083	0.233	0.005	0.321	-0.084	0.176
A011995_01	0.122	0.506	-0.045	-0.068	-0.505	-0.637	-0.353	0.006
A011996_01	0.343	0.214	0.132	-0.058	0.394	0.286	0.306	0.357
A012001_01	0.189	0.219	-0.21	-0.326	0.313	0.501	0.186	0.113
A012008_01	-0.259 NA		0.088	-0.215	-0.096	-0.244 NA		-0.124

A012009_01		0.093	-0.284	-0.199	-0.121	-0.046	-0.17	0.185	-0.113
A012010_01		0.051	0.323	0.025	0.008	-0.232	-0.149	-0.382	-0.105
A012011_01		0.112	0.07	-0.291	-0.238	-0.176	-0.263	0.147	0
A012012_01		0.407	0.314	0.171	-0.022	-0.131	-0.087	-0.097	-0.06
A012013_01	NA	NA		0.041	0.024 NA		-0.542	0.457	0.1
A012014_01		0.04	0.083	0.019	-0.09	-0.056	-0.081	-0.223	-0.208
A012021_01		-0.086	-0.071	-0.017	-0.084	0.164	0.246	0.093	0.182
A012028_01		0.107	-0.003	0.458	0.643	-0.045	-0.1	-0.912	-0.964
A012030_01		0.412	0.451	-0.487	-0.227	0.464	0.767	-0.082	0.13
A012031_01		0.244 NA		0.703	0.689 NA		-0.196	-0.388	-0.557
A012033_01		0.07	-0.278	-0.094	-0.153	0.083	-0.083	0.133	-0.047
A012039_01		-0.293	-0.387	-0.153	-0.044	-1.201	-1.564	-0.282	-0.439
A012043_01		-0.01 NA		-0.287	-0.335	-0.194	-0.268 NA		-0.014
A012046_01		0.118 NA		-0.064	-0.078	0.121	0.11 NA		0.025
A012049_01		-0.497	-0.456	-0.427	-0.527	-0.113	0.074	-0.531	-0.421
A012050_01		-0.248 NA		-0.096	-0.227	-0.156	-0.211	0.095	0.039
A012060_01		0.012	-0.106	0.066	0.272	0.037	0.004	0.04	-0.15
A012066_01		0.029	0.042	-0.23	-0.271	0.029	0.021	0.078	0.155
A012068_01		-0.135 NA	NA		0.021 NA		-0.259 NA	NA	
A012069_01		-0.081	-0.064	0.211	0.458	-0.302	-0.226	-0.091	-0.369
A012075_01		0.072	-0.052	0.261	0.284	0.253	0.153	0.094	-0.152
A012076_01		0.389	0.099	0.388	0.537	0.187	0.094	0.043	-0.238
A012078_01		0.131	0.046	0.069	-0.044	-0.04	0.036	0.079	-0.089
A012079_01		0.302	0.227	0.09	0.071	-0.113	-0.195	0.212	0.11
A012080_01		0.128	0.086	-0.331	0.057	-0.293	-0.347	-1.349	-1.296
A012084_01		-0.034	-0.244	-0.345	-0.406	0.068	0.161	-0.113	-0.168
A012085_01		0.336	0.033	0.139	-0.05	0.599	0.447	0.056	-0.19
A012086_01		-0.04	-0.059	-0.335	-0.186	-0.173	-0.224	0.019	-0.104
A012088_01		-0.099	-0.054	-0.194	-0.091	-0.064	0.009	-0.172	0.025
A012091_01		0.373	0.395	-0.106	-0.115	0.877	1.205	0.301	0.393
A012092_01		-0.129	-0.018	-0.171	-0.281	-0.263	-0.217	-0.025	0.107
A012093_01		-0.058	-0.003	-0.135	-0.037	-0.337	-0.183	-0.258	-0.044
A012098_01		0.239	-0.067	-0.107	-0.416	0.062	-0.183	0.078	-0.15
A012104_01		0.364	0.382	0.065	0.114	0.187	0.134	0.051	0.178
A012108_01		0.125	0.024	0.098	0.123	-0.109	-0.257	0.101	-0.039
A012113_01		0.104	0.275	-0.118	-0.291	0.361	0.737	0.006	0.294
A012115_01		-0.757	-0.507	-0.272	-0.148	-0.598	-0.616	0.099	0.049
A012116_01		-1.053	-1.121	-0.894	-0.879	0.157	0.482 NA		-0.434
A012117_01		0.059	-0.05	-0.099	-0.106	0.371	0.434	0.2	0.181
A012119_01		-0.579	-0.373	-0.194	-0.236	0.119	0.335	-0.556	-0.564
A012120_01		0.168 NA		0.222	0.216	-0.032	-0.175 NA		-0.386
A012123_01		0.861	0.285	0.047	0.102	0.568	0.236	0.369	0.121
A012125_01	NA	NA		0.112	0.084 NA		-0.476	0.031	-0.094
A012126_01		0.222 NA		-0.096	0.056	0.389	0.419	0.258	0.078
A012127_01		0.322 NA		0.197	-0.004	0.211	0.139	-0.021	0.093
A012129_01		0.314	0.05	-0.014	-0.033	0.234	0.222	0.181	0.085
A012130_01		-0.181	-0.261	-0.04	0.053	-0.367	-0.009	-0.064	0.008
A012131_01		-0.361	-0.127	-0.156	-0.014	-1.013	-0.825	-0.469	-0.316
A012132_01		0.179	-0.195	-0.048	-0.237	-0.28	-0.599 NA		-0.127
A012134_01		0.478	0.156	0.11	0.084	0.168	0.082 NA		-0.195
A012141_01		-0.036	-0.057	0.058	-0.237	0.318	0.228	0.18	0.062
A012144_01		0.292	0.216	-0.028	-0.049	0.137	0.038	0.134	-0.03
A012145_01		0.164	0.178	0.101	-0.201	0.32	0.081	0.01	-0.038
A012149_01		0.042	0.158	-0.281	-0.317	0.166	0.311	-0.072	0.166
A012150_01		-0.152	0.058	0.014	0.003	0.292	-0.057	0.12	-0.004
A012155_01		0.201	0.103	0.197	0.434	-0.287	-0.382	-0.23	-0.413
A012158_01		-0.103 NA		-0.006	0.08	-0.095	-0.111	0.168	0.147
A012159_01		0.189	0.298	0.281	0.309	-0.819	-0.835	0.47	0.481
A012163_01		-0.342	-0.476	-0.338 NA		0.331	0.694 NA	NA	
A012167_01		-0.196	-0.181	0.053	0.109	-0.471	-0.408	0.002	-0.07
A012168_01		0.125	0.277	-0.143	-0.045	0.235	0.297 NA	NA	
A012171_01		-0.015	-0.143	-0.1	0.099	0.045	0.32	-0.077 NA	
A012174_01		0.121	-0.069	-0.322	-0.206	-0.077	-0.056	0.195	0.011
A012175_01		-0.158	-0.13	-0.224	-0.14	0.086	0.295	0.317	0.431
A012176_01		0.149	0.141	-0.277	-0.14	0.2	0.282	0.411	0.294
A012178_01		0.36	0.481	0.142	0.094	0.129	-0.067	0.019	0.129
A012184_01		-0.361	-0.285	-0.405	-0.652	0.265	0.526 NA		0.073
A012185_01		0.05	-0.097	0.536	0.24	-0.087	-0.296	-0.385	-0.538

A012186_01	0.337	0.166	-0.045	-0.157	0.408	0.456	0.008	0.138
A012193_01	0.197	-0.063	-0.401	-0.327	-0.005	0.097	0.287	0.276
A012200_01	-0.783	-0.788	0.058	0.082	-0.157	-0.035	0.208	0.16
A012203_01	-0.436	-0.435	-0.051	0.046	-0.426	-0.405	0.245	0.147
A012207_01	0.475	0.139	0.276	0.027	-0.207	-0.57	0.051	-0.415
A012210_01	0.39	0.134	0.024	-0.043	0.052	-0.148	0.141	-0.039
A012213_01	-0.316	-0.213	0.061	0.316	-0.499	-0.397	-0.202	-0.01
A012214_01	-0.131	0.122	0.039	0.108	0.413	0.614	0.027	-0.011
A012215_01	0.153	-0.118	0.059	-0.038	0.388	0.508	0.319	0.23
A012218_01	0.211	0.131	0.145	0.087	-0.233	-0.168	-0.104	-0.03
A012219_01	0.108	-0.101	-0.318	-0.27	0.144	0.099	-0.002	NA
A012221_01	-0.192	-0.036	-0.247	-0.27	-0.143	-0.192	0.116	0.005
A012223_01	-0.299	NA	0.2	-0.012	NA	-0.207	NA	NA
A012229_01	0.032	NA	0.079	-0.138	NA	-0.615	-0.023	0.049
A012231_01	-0.004	NA	NA	-0.386	NA	0.117	NA	0.064
A012234_01	0.207	-0.004	0.012	-0.114	0.127	0.101	-0.078	-0.206
A012237_01	-0.284	-0.302	-0.433	-0.124	-0.149	0.09	0.09	-0.039
A012239_01	-0.263	NA	-0.256	NA	-0.011	0.021	NA	NA
A012247_01	-0.377	-0.028	-0.002	0.099	-0.142	-0.205	-0.176	-0.093
A012251_01	-0.416	-0.508	-0.004	-0.089	-0.541	-0.294	-0.43	-0.334
A012254_01	0.043	0.184	0.12	-0.148	0.27	0.205	0.235	0.295
A012256_01	-0.217	-0.077	-1.235	-1.145	-0.306	0.124	-0.624	-0.267
A012257_01	-1.761	-1.198	0.659	0.715	1.44	2.166	0.624	0.576
A012259_01	-1.314	-1.292	-0.002	-0.245	-1.417	-1.528	NA	NA
A012264_01	-0.308	-0.595	NA	-0.225	-0.092	-0.103	NA	0.021
A012272_01	-0.005	0.237	-0.226	-0.112	-0.031	0.066	-0.178	0.028
A012275_01	-0.188	-0.1	0.32	0.548	0.059	0.34	-0.219	-0.307
A012276_01	-0.069	0.134	-0.319	-0.47	0.137	-0.034	0.041	0.059
A012277_01	0.558	0.45	-0.334	-0.525	-1.172	-1.651	0.355	0.179
A012283_01	0.136	0.181	-0.097	-0.24	0.623	0.619	0.391	0.65
A012291_01	0.375	0.016	-0.111	-0.041	0.061	0.167	0.032	-0.005
A012293_01	0.111	0.204	-0.366	-0.352	-0.118	0.175	-0.029	0.116
A012294_01	0.095	0.127	-0.22	-0.189	-0.064	0.136	-0.28	-0.181
A012295_01	-0.015	-0.106	0.016	-0.051	-0.02	-0.068	0.022	-0.021
A012299_01	0.024	-0.036	0.014	-0.149	0.355	0.333	0.208	0.105
A012309_01	-0.266	-0.203	-0.139	-0.127	NA	-0.842	-0.248	-0.332
A012311_01	-0.083	-0.103	0.008	-0.062	-0.707	-0.843	-0.388	-0.475
A012313_01	-0.068	-0.386	-0.021	0.037	0.211	0.23	-0.232	-0.199
A012321_01	0.224	NA	NA	0.225	NA	NA	-0.041	0.035
A012323_01	-0.067	NA	0.029	0.014	0.004	0.138	0.176	0.266
A012324_01	-0.227	-0.173	-0.093	-0.177	-1.295	-1.361	-0.674	-0.683
A012325_01	0.299	0.372	0.176	0.172	0.068	0.112	-0.205	-0.221
A012326_01	0.12	-0.025	-0.284	-0.211	0.045	0.193	0.033	0.05
A012331_01	-0.259	-0.472	-0.283	-0.242	-2.559	-3.062	-1.39	-1.527
A012332_01	0.189	0.056	-0.039	0.167	-0.536	-0.578	0.354	0.353
A012334_01	-0.346	-0.231	-0.02	-0.016	-0.504	-0.753	0.176	0.021
A012336_01	-0.455	-0.329	-0.34	-0.42	-0.752	-0.725	-0.661	-0.45
A012337_01	-0.13	0.001	-0.202	-0.154	-0.09	-0.001	0.081	0.461
A012340_01	0.371	0.076	-0.014	0.19	-0.026	-0.201	NA	-0.143
A012341_01	-0.088	NA	0.27	0.049	-0.472	-0.618	NA	NA
A012351_01	0.167	0.068	0.089	-0.072	-0.412	-0.547	NA	0.189
A012353_01	-0.124	-0.034	0.139	0.118	-0.151	-0.215	-0.12	-0.037
A012354_01	0.053	0.11	0.407	0.18	0.226	0.211	-0.36	-0.314
A012357_01	0.125	0.048	-0.148	-0.279	0.063	0.184	-0.044	0.045
A012360_01	0.162	0.145	0.244	0.177	0.394	0.615	0.004	-0.049
A012364_01	-0.208	0.211	0.004	-0.038	-0.032	0.277	0.037	0.709
A012366_01	0.24	NA	-0.027	NA	NA	0.142	NA	NA
A012367_01	-0.014	0.268	0.079	0.029	-0.004	0.159	-0.126	0.139
A012369_01	-0.469	NA	-0.7	NA	NA	NA	NA	0.123
A012370_01	0.223	0.093	-0.149	-0.169	0.476	0.508	0.05	0.093
A012371_01	-0.437	-0.312	-0.029	-0.04	-0.433	-0.67	-0.066	-0.168
A012372_01	0.609	0.456	0.465	0.533	-0.554	-0.984	-0.449	-0.694
A012373_01	0.042	0.257	0.033	0.165	0.32	0.463	0.361	0.488
A012375_01	0.229	0.16	0.097	0.007	0.38	0.35	0.066	0.082
A012377_01	0.374	NA	0.149	NA	0.337	0.303	NA	NA
A012379_01	0.404	0.163	-0.099	-0.097	0.42	0.473	0.143	0.118
A012381_01	0.191	0.045	-0.043	-0.094	0.186	0.195	0.111	0.059
A012382_01	-0.172	NA	0.159	-0.012	-0.546	-0.789	-0.19	-0.335

A012385_01		0.033	-0.09	-0.172	-0.029	0.305	0.36	0.067	0.031
A012386_01		0.039	-0.201	0.692	0.878	0.355	0.601 NA		-0.172
A012388_01		-0.271	-0.261	-0.002	0.028	-0.034	0.147	0.109	0.223
A012390_01		-0.308	-0.319	-0.027 NA		0.084	0.093 NA	NA	
A012393_01		-0.143	0.031	0.24	0.18	-0.194	-0.081	-0.209	-0.038
A012396_01		0.149	0.107	-0.218	-0.077	-0.484	-0.668	-0.097	-0.085
A012397_01		0.346	0.451	0.005	0.09	-0.25	-0.552	0.02	-0.077
A012398_01		-0.021	0.073	-0.335	-0.392	0.469	0.57	0.139	0.27
A012400_01		0.271	0.216	0.088	-0.015	0.393	0.281	-0.021	-0.151
A012402_01		0.058	-0.009	0.041	-0.05	0.205	0.016	0.022	-0.01
A012404_01	NA		-0.079	-0.025	-0.054	0.278	0.287	0.146	0.112
A012407_01		0.232	0.168	0.072	-0.044	0.327	0.206	0.09	-0.085
A012410_01		0.003 NA		-0.217	-0.162 NA		-0.075 NA		0.149
A012415_01		-0.552	-0.876	-0.659	-0.434	0.583	1.1	0.378	0.37
A012421_01		0.057	0.062	-0.079	-0.119	0.125	0.21	0.022	0.113
A012422_01		-0.314	-0.012	0.205	-0.11	-0.603	-0.714	-0.085	0.095
A012423_01		0.331	0.079	0.109	0.176	0.141	0.031	0.203	0.121
A012425_01		0.252	0.01	0.004	-0.013	0.241	0.068	0.533	0.3
A012428_01		-0.209	-0.243	-0.228	-0.323	0.101	0.096	0.164	0.149
A012429_01		-1.851	-1.749 NA		-1.353 NA		-2.746 NA		-1.432
A012430_01		0.473	0.413	-0.192	-0.468	-0.31	-0.284	0.794	0.963
A012440_01		0.258 NA		-0.098	-0.063 NA		0.152	0.315	0.171
A012442_01		-0.078	-0.025	-0.167	-0.112	0.912	1.227	-0.053	-0.074
A012445_01		0.194	0.311	0.11	-0.006	0.064	0.211	0.123	0.078
A012449_01		0.105 NA		0.418	0.262	-0.943	-1.11	-0.338	-0.271
A012451_01		0.221	-0.167	0.144	-0.006	0.008	-0.072 NA		-0.148
A012454_01		-0.534	-0.819	-0.411	-0.56	-0.894	-1.128	-0.506	-0.564
A012458_01		-0.413	-0.232	-0.033	-0.066	-0.443	-0.134	-0.963	-0.45
A012460_01		-0.059 NA		0.112	0.062 NA		-0.332	0.196	-0.158
A012464_01		-0.165	-0.145	0.127	0.208	0.112	0.324	-0.304	-0.117
A012466_01		0.151 NA		0.177	-0.014 NA		-0.269	-0.033	-0.106
A012467_01		-0.085	-0.13	0.594	0.551	1.252	1.507	0.372	0.4
A012468_01		-0.27	-0.159	0.297	0.014	0.261	0.298	-0.014	-0.07
A012469_01		0.194 NA		0.289	0.491	0.049	0.182 NA		-0.121
A012473_01		0.072 NA		0.156	0.043 NA	NA		0.097	0.119
A012479_01		0.315	0.127	0.172	0.37	-0.707	-0.828 NA	NA	
A012482_01		-0.127	-0.026	-0.388	-0.528	-0.024	0.056	0.246	0.247
A012487_01		-0.446	-0.609	0.644	0.451	1.049	1.175	0.346	0.382
A012493_01		-0.185 NA		-0.121 NA		-0.443	-0.418 NA		-0.226
A012499_01		0.102	-0.212	-0.039	-0.077	-0.114	-0.252	0.075	-0.152
A012501_01		0.213	-0.121	0.19	0.05	0.066	0.053	-0.071	-0.028
A012502_01		0.445	0.305	-0.01	-0.153	0.446	0.419	0.184	0.225
A012504_01		-0.004	-0.27	0.063	-0.085	0.146	0.096 NA	NA	
A012513_01		0.141	0.168	-0.116	0.027	0.389	0.504	0.091	0.129
A012518_01		0.33	0.213	0.082	0.045	0.134	0.176	0.078	0.11
A012526_01		0.306 NA		0.266	0.205	-0.365	-0.546 NA		-0.247
A012527_01		-0.013 NA		-0.031	-0.024 NA		-0.192	0.22	0.086
A012532_01		-0.107	-0.131	-0.232	-0.095	-0.108	-0.148	0.101	0.131
A012533_01		0.294	0.171	0.092	0.02	-0.071	-0.186 NA	NA	
A012537_01		0.154	0.025	-0.097	-0.098	0.036	-0.062	0.114	-0.071
A012543_01		-0.035	-0.043	-0.552	-0.448	0.352	0.504 NA	NA	
A012557_01		0.12	0.227	0.012	0.084	-0.061	-0.062	-0.297	-0.225
A012562_01		0.115	0.08	-0.328	-0.564	0.106	0.242 NA		0.251
A012563_01		0.627	0.119	0.144	-0.009	0.892	0.268	0.111	0.432
A012565_01		-0.232	-0.08	0.123	-0.115	-0.074	-0.053	-0.087	0.139
A012566_01		-0.1	0.04	0.081	0.152	0.067	0.157	-0.228	-0.084
A012567_01		0.057	0.1	0.162	0.136	-0.212	-0.32	0.052	-0.001
A012572_01		-0.454	0	-0.183	-0.089	0.282	0.506	0.158	0.418
A012577_01		-0.119 NA	NA	NA		0.423	0.784 NA	NA	
A012578_01		-1.031	-0.853	-0.137	-0.06	-0.955	-0.974	-0.025	0.125
A012579_01		0.206 NA		0.364	0.383	0.636	0.796	0.225	0.315
A012580_01		-0.09	-0.141	-0.171	-0.265	-0.215	-0.12	0.015	0.315
A012581_01		-0.853	-0.998 NA		-1.324	-1.734	-2.049 NA	NA	
A012585_01		0.009	-0.292	-0.031	-0.399	-0.435	-0.633	-0.127	-0.262
A012587_01		-0.021	-0.262	-0.221	-0.086	-0.261	-0.085	0.149	0.079
A012590_01		-0.18	0.081	0.037	0.07	-0.865	-0.978	-0.601	-0.486
A012591_01		-0.098	-0.172	-0.102	-0.32	-0.02	-0.175	-0.014	-0.143
A012594_01		-0.03 NA		-0.183 NA		0.333	0.36 NA	NA	

A012595_01	0.277	0.168	-0.197	-0.069	0.26	0.281 NA		0.278
A012597_01	-0.076	0.123	-0.276	-0.354	-0.02	0.178	-0.048	0.184
A012604_01	-0.194	-0.306	-0.071	-0.059	-0.11	-0.213	-0.068	-0.176
A012607_01	-0.289 NA		0.654	0.641	0.979	1.267	0.225	0.281
A012618_01	-0.056	-0.076	0.203	0.172	0.453	0.484	0.068	-0.113
A012621_01	0.017	-0.229	0.076	-0.036	0.308	0.347 NA	NA	
A012623_01	-0.057	0.095	0.045	-0.145	0.003	0.03	-0.136	0.002
A012625_01	-0.17	-0.091	0.103	0.102	-0.236	-0.253	-0.011	0.007
A012626_01	0.135 NA		-0.094	-0.04 NA		0.441	0.237	0.137
A012627_01	0.216	-0.088	0.196	0.049	0.493	0.437	0.267	-0.024
A012628_01	0.13 NA		0.406	0.275	1.012	1.3	0.594	0.562
A012631_01	-0.069 NA	NA	NA		0.141	0.237 NA		0.193
A012633_01	0.201	0.189	0.157	0.008	-0.57	-0.918 NA		-0.28
A012637_01	0.149	0.119	0.248	0.04	0.277	0.228	-0.066	-0.013
A012640_01	0.035	0.034	0.159	0.093	-0.713	-0.62 NA	NA	
A012641_01	-0.492	-0.533	0.131	0.049	-0.71	-0.692	-0.145	-0.157
A012646_01	0.197	0.313	0.523	0.35	0.199	0.273	-0.481	-0.382
A012647_01	-0.342 NA		0.613	0.109 NA		-0.715	-0.409	-0.391
A012648_01	0.13	0.152	-0.084	-0.083	0.051	0.057	0.01	0.234
A012649_01	-0.314	-0.183	0.412	0.359	-0.014	0.131 NA		0.018
A012650_01	0.168	-0.036	-0.037	-0.04	-0.082	-0.128	0.037	0.105
A012651_01	-0.208	-0.1	-0.062	-0.18	0.223	0.306	0.103	0.087
A012653_01	0.201	-0.107	0.063	0.112	-0.14	-0.367	0.056	-0.061
A012654_01	-0.577	-0.584	-0.023	-0.102	-1.478	-1.797	-0.436	-0.302
A012655_01	0.185	0.243	0.106	0.054	0.189	0.051	0.282	0.263
A012657_01	0.124	-0.062	-0.25	0.063	-0.132	0.163 NA		-0.469
A012660_01	-0.415 NA		-0.003	0.136	0.095	-0.116 NA	NA	
A012664_01	-0.03	0.132	-0.104	-0.105	0.164	0.267	0.168	0.214
A012665_01	0.029 NA		-0.227	-0.263 NA		0.202 NA		0.122
A012672_01	0.062	0.363	0.085	0.069	0.297	0.61	-0.13	0.086
A012678_01	-0.277	-0.295	-0.552	-0.443	0.598	0.823	0.028	-0.072
A012680_01	-0.058 NA		-0.032	-0.054 NA	NA		-0.038	0.148
A012685_01	0.226	0.055	-0.111	0.12	0.065	0.218	0.1	0.028
A012694_01	0.084	0.241	-0.248	-0.4	0.162	-0.017	0.345	0.352
A012695_01	0.685	0.369	0.036	0.036	0.096	-0.001	-0.059	-0.211
A012696_01	0.036	-0.006	-0.561	-0.332	-0.31	-0.544	0.071	0.003
A012697_01	0.07	0.019	-0.322	-0.131	0.07	0.129	0.051	0.038
A012700_01	-0.598	-0.685	-0.028	-0.017	-0.969	-0.974	-0.423	-0.264
A012704_01	0.471	0.355	0.17	-0.048	-0.065	-0.154	0.249	0.203
A012705_01	0.22 NA		-0.214	-0.045 NA		-0.161	0.157	-0.051
A012706_01	0.011	-0.187	-0.092	-0.201	0.039	-0.1	0.066	-0.086
A012707_01	-0.024	-0.111	-0.013	0.122	0.65	0.78	0.424	0.153
A012710_01	-0.143	0.093	-0.177	-0.168	0.237	0.221	-0.018	0.137
A012712_01	NA	NA	-0.002	-0.248 NA		-0.48	0.192	0.13
A012714_01	0.207	0.049	0.016	-0.17	0.273	0.276	0.055	0.01
A012715_01	0.111 NA		-0.089	0.077 NA		0.204 NA	NA	
A012722_01	0.187 NA		-0.15	-0.158	0.42	0.391	0.37	0.315
A012723_01	-0.039	-0.123	0.063	-0.154	0.296	0.396	0.097	0.051
A012724_01	-0.027	-0.097	0.463	0.394	0.57	0.701 NA	NA	
A012726_01	0.141	-0.148	0.174	-0.128	0.092	-0.179	0.04	-0.186
A012728_01	0.222	0.257	0.284	0.4	0.222	0.068	0.065	-0.11
A012730_01	0.091	0.094	0.419	0.386	-0.23	-0.414	-0.031	-0.095
A012732_01	-0.308	0.053	-0.64	-0.387	-0.499	-0.111	-0.308	-0.01
A012738_01	0.246	0.119	-0.189	-0.056	0.209	0.284	-0.04	0.122
A012739_01	0.104	0.257	-0.03	-0.044	-0.695	-0.951	-0.001	0.029
A012741_01	0.144	0.123	0.118	-0.024	0.417	0.464	0.168	0.272
A012745_01	0.293	0.284	0.114	0.099	0.193	0.124	-0.036	0.036
A012747_01	0.029	0.384	-0.271	-0.273	-0.657	-1.064	-0.15	-0.259
A012748_01	-0.835	-0.621	-1.248	-1.217	-2.651	-3.049 NA		-1.761
A012749_01	0.399	0.305	-0.197	-0.072	0.59	0.752	0.173	0.247
A012752_01	-0.532	-0.75	0.221	0.255	-0.68	-0.705	-0.019	0.145
A012754_01	0.546	0.689	-0.265	-0.265	0.303	0.296	-0.36	-0.096
A012758_01	0.423	0.206	0.178	0.105	0.24	0.093	0.003	-0.036
A012760_01	-0.347	-0.057	0.022	-0.109	0.042	0.092	-0.129	0.114
A012762_01	-0.2 NA		-0.013	-0.058	0.195	0.295 NA	NA	
A012767_01	0.416	0.296	0.202	-0.131	0.574	0.567 NA		0.088
A012768_01	-0.14	-0.082	-0.035	-0.087	0.063	0.127	0.072	-0.018
A012769_01	0.038	0.105	0.347	0.18	-0.257	-0.328	-0.566	-0.184

A012770_01	0.418 NA		0.756	0.604 NA		0.48	-0.099	-0.167
A012771_01	-0.159	-0.104	-0.228	-0.252	-0.241	-0.08	-0.017	0.052
A012772_01	0.585	0.405	0.365	0.138	0.453	0.385	0.262	0.31
A012773_01	-0.386	-0.236	0.321	0.304	-0.391	-0.46	0.007	0.052
A012776_01	-0.195	-0.311	0.131	0.004	-0.136	-0.15 NA		-0.667
A012778_01	-1.086	-0.738	0.872	0.72	1.316	1.62	0.066	0.134
A012781_01	0.009	-0.011	0.064	0.174	0.339	0.524	0.04	-0.031
A012787_01	0.282	-0.03	0.237	0.337	-0.105	-0.096	-0.304	-0.516
A012788_01	0.258	-0.088	0.117	0.195	-0.266	-0.476	0.322	0.103
A012791_01	0.287 NA		0.29	0.327 NA		-0.382	0.087	-0.135
A012796_01	-0.517 NA		-0.126	-0.089 NA		-1.358	-0.709	-0.765
A012797_01	-0.046	-0.08	-0.025	0.307	0.191	0.531	0.028	-0.085
A012800_01	0.162	-0.029	-0.227	-0.246	-0.013	0.105	0.005	-0.029
A012807_01	0.119	0.026	-0.188	-0.304	-0.14	-0.157	0.03	0.103
A012810_01	-0.796	-0.501	0.217	0.473	0.668	1.23	0.345	0.486
A012811_01	-0.082	-0.09	-0.128	-0.003	0.508	0.621	0.054	-0.045
A012812_01	-0.021	0.109	-1.63	-1.199	-1.277	-1.201 NA	NA	
A012813_01	-1.42	-0.81	-0.039	-0.196	-1.284	-1.467	-0.604	-0.511
A012816_01	-0.135 NA		0.052 NA	NA		-1.01 NA	NA	
A012817_01	0.263	0.092	0.057	0.052	-0.038	-0.063	0.044	-0.22
A012818_01	-0.037	0.039	0.163	0.301	-0.116	-0.15	0.017	0.025
A012822_01	0.466	0.12	0.289	0.136	-0.222	-0.594	0.223	0.044
A012823_01	0.334 NA		-0.001	-0.059 NA		-0.298 NA		-0.139
A012826_01	-0.161	0.002	0.107	-0.202	-0.006	0.206	-0.236	0.222
A012828_01	-0.024	0.153	-0.003	0.102	-0.037	0.024	-0.292	-0.158
A012829_01	0.072	0.052	0.023	0.09	-0.056	-0.032	-0.111	-0.238
A012830_01	0.464	0.389	0.166	0.316	-0.34	-0.397	-0.126	-0.205
A012832_01	0.217	0.215	-0.05	-0.234	-0.148	-0.255	-0.61	-0.578
A012834_01	0.02 NA		0.043	0.175 NA	NA		-0.031	-0.047
A012835_01	-0.094	0.14	-0.155	-0.311	0.194	0.297	0.081	0.401
A012837_01	-0.049 NA		-0.537	-0.482	-0.635	-0.818	0.082	0.086
A012838_01	0.4	0.463	-0.266	-0.167	0.252	0.178	0.36	0.422
A012839_01	-0.607	-0.547 NA		-1.913	-0.54	-0.177	-1.061	-1.193
A012841_01	0.128 NA		0.305	0.296 NA		-0.536	0.151	0.076
A012844_01	-0.607	-0.097	0.293	0.253	-1.016	-1.073	-0.481	-0.24
A012846_01	0.188	0.278	0.056 NA		0.164	-0.041 NA	NA	
A012847_01	0.35	0.393	0.411	0.238	0.325	0.394	-0.071	0.027
A012849_01	0.268	0.132	0.234	0.201	-0.629	-0.824	-0.005	-0.207
A012854_01	0	0.028	-0.123	-0.016	0.151	0.207	0.187	0.295
A012858_01	0.216 NA		-0.07	0.286 NA		0.076 NA		0.124
A012860_01	-0.121	0.113	0.264	0.227	0.601	0.927	-0.229	-0.119
A012862_01	0.008	-0.133	-0.019	0.003	-0.762	-0.533	-0.176	-0.139
A012865_01	0.284	0.528	0.089	0.1	0.298	0.653	-0.22	0.04
A012872_01	-1.653	-1.45	-0.545	-0.612	0.799	1.306	-0.129	0.099
A012878_01	-0.07	-0.039	-0.046	-0.085	-0.113	-0.053 NA	NA	
A012880_01	1.167	1.33	-0.314	-0.112	-0.209	-0.437	-0.757	-0.625
A012881_01	-0.222	-0.003	0.065	-0.04	-0.056	0.207	-0.362	0.074
A012883_01	-0.224	-0.153	-0.13	0.07	-0.874	-1.102	-0.322	-0.304
A012885_01	0.065	-0.016	-0.044	-0.001	0.112	0.174	0.287	0.473
A012887_01	-0.337	-0.287	-0.609	-0.516	-0.659	-0.45	0.165	0.434
A012888_01	-0.13	-0.329	-0.771	-0.801	0.408	0.365	0.292	0.006
A012889_01	-0.579	-0.86	-1.234	-1.371	-1.901	-2.18	-1.716	-1.819
A012890_01	-0.146	0.18	-0.413	-0.302	0.045	0.266	-0.078	0.224
A012893_01	-2.378	-1.823	-4.136	-3.285	0.849	1.266	-1.059	-1.154
A012895_01	0.212	0.143	-0.023	0.02	-0.061	-0.133	0.012	-0.065
A012896_01	-0.025	0.053	0.12	0.1	-0.35	-0.449	-0.216	-0.173
A012897_01	-0.408	-0.338	-0.244	-0.034	0.258	0.598	0.457	0.752
A012899_01	0.081	-0.067	-0.36	-0.311	-0.452	-0.501	-0.127	-0.099
A012907_01	-0.234 NA		0.05	0.069 NA	NA	NA		-0.171
A012913_01	-0.188	-0.065	-0.146	-0.078	-0.118	-0.028	0.2	0.306
A012917_01	0.042 NA		0.139	0.157 NA		-0.234	-0.054	0.053
A012919_01	0.472	0.319	0.118	0.174	0.443	0.569	-0.258	-0.181
A012921_01	-0.008	-0.173	0.161	-0.17	0.337	0.245	0.197	-0.014
A012930_01	0.424	0.032	0.026	-0.223	0.055	0.054	0.25	-0.092
A012932_01	0.42	0.363	-0.147	0.009	0.025	-0.025 NA		0.189
A012934_01	0.357	0.323	0.047	-0.01	0.339	0.463	0.061	0.136
A012936_01	-0.074	-0.041	-0.158 NA		0.047	-0.027 NA	NA	
A012937_01	0.26	0.082	0.075	-0.001	0.11	0.018	0.012	-0.14

A012940_01	-0.102	-0.058	0.015	0.175	0.416	0.677	0.008	0.249
A012944_01	0.011	0.312	0.097	-0.129	-0.067	0.177 NA		-0.167
A012946_01	0.201 NA		0.34	0.221 NA		-0.345	-0.001	-0.009
A012951_01	0.197	0.118	-0.089	-0.052	0.342	0.366 NA		-0.145
A012958_01	-0.005 NA		0.439	0.21	0.281	0.28	0.045	0.048
A012959_01	0.107	0.019	-0.109	-0.203	0.215	0.283	0.085	0.096
A012960_01	-0.207	-0.311	-0.298	-0.411	-0.127	0.057	0.239	0.369
A012964_01	0.105	0.219	0.337	0.241	0.379	0.4	0.119	0.284
A012966_01	-0.175	-0.298	-0.27	-0.266	0.483	0.63 NA		0.17
A012972_01	0.201 NA		0.046	-0.09 NA	NA		-0.282	-0.271
A012977_01	-0.187	-0.26	-0.458	-0.117	-0.536	-0.298	0.043	0.032
A012978_01	-0.805	-0.674	0.44	0.44	0.848	1.258	0.119	0.388
A012982_01	-0.161	0.128 NA	NA		-0.224	-0.094 NA	NA	
A012986_01	-0.391	-0.561	-0.334	-0.579	0.141	0.336	0.26	0.043
A012989_01	-0.017	-0.066	0.13	0.153	0.115	0.168	0.04	0.025
A012995_01	0.051	0.25	0.313	0.331	-0.394	-0.627	0.043	-0.07
A013000_01	0.244	0.433	-0.062	-0.145	0.34	0.489	-0.25	-0.009
A013003_01	0.463	0.576	0.177	0.033 NA		-1.473 NA	NA	
A013004_01	0.053	0.077	-0.274	-0.238	0.303	0.625	0.021	0.143
A013011_01	0.129	0.024	0.089	-0.159	0.161	0.184	0.145	0.127
A013012_01	-0.43	-0.239	0.068	0.139	0.499	0.776	-0.128	-0.054
A013018_01	-0.128	0.053	0.098	0.216	-0.061	-0.212	-0.084	0.023
A013019_01	0.012	0.135	0.479	0.259	0.229	0.212 NA	NA	
A013022_01	0.127	0.018	-0.168	-0.162	0.077	0.25	-0.005	0.026
A013026_01	0.11	0.225	0.08	0.082	0.05	0.086	0.125	0.068
A013029_01	-0.17	0.197	-0.002	-0.015	-0.106	0.176	0.09	0.617
A013032_01	0.096	0.265	0.113	-0.01	0.014	0.163	-0.08	0.129
A013034_01	-0.459 NA		-0.666 NA	NA	NA	NA		0.087
A013035_01	0.108	0.092	-0.183	-0.236	0.46	0.417	0.169	0.087
A013036_01	-0.422	-0.232	-0.08	-0.011	-0.442	-0.53	-0.188	-0.003
A013038_01	-0.337 NA	NA	NA	NA		0.607 NA		0.379
A013040_01	-0.072	0.041	0.013	-0.005	0.148	0.172	-0.043	0.005
A013044_01	0.457	0.2	-0.114	-0.161	0.345	0.347	0.208	0.211
A013046_01	0.07	0.008	-0.072	-0.029	0.305	0.231	0.061	-0.121
A013047_01	-0.118	-0.179 NA		0.012	-0.602	-0.809	-0.27	-0.356
A013050_01	-0.025	-0.031	-0.203	-0.114	0.056	0.055	0.027	0.095
A013051_01	0.119	-0.086	0.574	0.802	0.298	0.561 NA		-0.211
A013053_01	-0.243	-0.28	0.01	0.086	-0.077	0	0.083	0.209
A013055_01	-0.329	-0.484 NA		0.014	0.011	0.106 NA	NA	
A013058_01	-0.038	0.061	0.176	0.171	-0.134	-0.027	-0.117	-0.039
A013062_01	NA	NA	0.034	0.054 NA		-0.731 NA	NA	
A013063_01	-0.039	0.125	-0.349	-0.467	0.45	0.522	0.032	0.294
A013065_01	0.11 NA		0.109	-0.024	0.408	0.248	-0.097	-0.05
A013067_01	-0.015	-0.013	0.165	0.04	0.107	0.045 NA	NA	
A013073_01	0.058	0.157	-0.238	-0.096	-0.495	-0.638	-0.122	-0.124
A013074_01	0.208	0.33	-0.067	0.118	-0.355	-0.548	-0.022	-0.055
A013075_01	0.212 NA		-0.394	-0.118 NA		0.016 NA	NA	
A013086_01	-0.105	-0.076	-0.328	-0.047	0.122	0.193	0.076	-0.043
A013087_01	-0.258	0.071	0.179	-0.032	-0.525	-0.676	-0.147	0.031
A013088_01	0.125	0.13	0.063	0.22	0.155	0.071	0.146	0.023
A013090_01	0.166	0.104	-0.091	-0.086	0.305	0.122	0.495	0.335
A013093_01	-0.289	-0.125	-0.354	-0.298	0.091	0.08	0.038	0.109
A013095_01	0.424	0.466	-0.298	-0.41	-0.115	-0.07	0.808	1.103
A013098_01	0.029	0.206	0.028	0.104	0.277	0.379	0.367	0.436
A013105_01	0.486 NA		-0.013	-0.018 NA		0.225	0.338	0.162
A013107_01	-0.055	-0.007	-0.12	-0.063	0.626	1.062	-0.002	-0.021
A013109_01	0.189	0.202	0.277	0.232	0.336	0.567	0.076	-0.094
A013111_01	-0.001	0.195	-0.092	0.037	-0.221	-0.207	-0.04	0.173
A013112_01	0.02	0.175	-0.191	-0.24	0.308	0.332	0.111	0.243
A013118_01	0.027	0.068	-0.276	-0.143	0.137	0.104	0.267	0.154
A013119_01	-0.505	-0.36	0.175	0.139	-1.383	-1.697	-0.579	-0.59
A013129_01	-0.233	-0.163	0.124	-0.037	-0.647	-0.949	-0.171	-0.362
A013130_01	NA	NA	0.205 NA	NA		-0.277 NA	NA	
A013142_01	-0.059	0.045	-0.019	0.03	0.13	0.444	-0.128	-0.031
A013143_01	-0.072	-0.042	-0.102	-0.029	-0.291	-0.466	-0.059	-0.113
A013154_01	0.226	0.036	0.008	0.001	-0.282	-0.558	0.085	-0.127
A013156_01	0.204	-0.093	0.272	0.003	-0.205	-0.423	0.222	0.047
A013164_01	-0.351	-0.13	-0.119	0.088	-0.886	-0.823	-0.308	-0.276

A013188_01		-0.208	-0.08	0.246	0.348	-1.265	-1.063	-2.264	-1.974
A013192_01		0.153	-0.037	0.048	-0.056	0.053	-0.14	-0.035	-0.138
A013196_01		-0.039	-0.084	-0.025	-0.041	-0.538	-0.633	0.006	0.061
A013212_01		-0.215	0.055	-0.121	-0.324	0.448	0.644	-0.006	0.174
A013215_01		-0.11	NA	0.471	0.361	NA	-0.614	-0.22	-0.308
A013219_01		0.153	0.171	-0.043	0.065	-0.164	-0.164	NA	0.218
A013223_01		0.072	0.169	-0.051	-0.072	-0.042	-0.113	-0.056	0.22
A013227_01		0.085	-0.002	0.045	0.032	0.171	0.15	0.215	0.321
A013238_01		-2.609	-1.551	-3.979	-2.522	0.842	1.26	-1.261	-1.409
A013240_01		0.022	0.171	-0.236	-0.191	0.253	0.334	-0.005	0.133
A013244_01		0.027	-0.02	-0.21	-0.054	0.054	0.105	0.234	0.219
A013246_01		-0.126	-0.453	-0.192	-0.25	-1.242	-1.447	NA	NA
A013249_01		0.106	-0.057	-0.232	-0.087	0.282	0.28	0.217	0.204
A013260_01		-0.008	NA	-0.289	-0.099	0.163	0.172	0.134	0.122
A013266_01		0.196	0.143	0.08	0.029	0.189	0.124	-0.017	-0.046
A013268_01		0.117	0.044	0.212	0.188	0.263	0.347	-0.019	0.042
A013270_01		0.156	0.282	-0.083	-0.044	0.207	0.311	-0.096	-0.025
A013277_01		0.06	0.232	0.288	0.247	0.286	0.075	-0.054	-0.017
A013278_01		0.125	NA	0.067	-0.035	0.168	0.063	-0.032	0.142
A013281_01		-0.203	NA	0.203	0.203	NA	-0.534	0.102	-0.042
A013282_01		0.15	-0.081	0.266	0.041	-0.033	-0.075	-0.069	-0.26
A013287_01		0.376	0.249	-0.086	-0.085	0.04	-0.071	0.211	0.136
A013299_01		-0.055	-0.324	0.081	-0.172	-0.406	-0.648	-0.176	-0.326
A013356_01		-0.261	-0.266	-0.126	-0.169	-0.091	0.037	-0.092	-0.152
A013397_01		0.008	0.25	0.153	-0.001	-0.13	0.014	-0.19	0.263
A013402_01		0.62	0.337	0.438	0.69	0.464	0.476	0.085	-0.166
A013406_01	NA		0.616	-0.038	-0.154	NA	0.175	-0.048	NA
A013408_01		0.068	0.125	-0.048	0.081	0.224	0.365	0.031	0.011
A013412_01		0.135	-0.12	-0.228	0.009	-0.759	-0.741	0.091	0
A013413_01		0.617	NA	0.432	0.384	0.489	0.659	NA	-0.359
A013414_01		0.21	-0.077	-0.107	-0.094	-0.144	-0.306	-0.025	-0.192
A013416_01		0.072	-0.122	0.641	0.493	-0.856	-1.075	-0.259	-0.631
A013417_01		0.68	0.792	-0.025	0.01	-1.726	-2.377	-0.353	-0.31
A013419_01		-0.219	-0.017	0.258	0.305	-0.128	-0.456	-0.176	-0.264
A013420_01		0.502	0.172	-0.195	NA	0.295	0.299	NA	NA
A013421_01		0.329	0.245	-0.043	0.199	-0.304	-0.191	-0.03	-0.129
A013423_01		0.199	-0.076	-0.294	-0.057	0.042	0.176	0.094	0.092
A013428_01		0.341	-0.088	-0.215	-0.135	-0.195	-0.031	0.251	-0.142
A013429_01		0.367	0.386	0.296	0.124	-0.333	-0.662	-0.21	-0.164
A013435_01		0.512	0.495	0.23	0.2	0.185	0.243	0.135	0.074
A013440_01		0.114	NA	0.09	-0.048	0.306	0.173	0.086	-0.276
A013447_01		0.121	-0.18	0.195	0.098	0.8	0.816	NA	NA
A013461_01		-0.317	NA	-0.208	-0.404	0.225	0.4	NA	0.186
A013462_01		0.081	NA	0.01	-0.177	-0.009	0.186	0.048	0.004
A013463_01		-0.119	-0.001	-0.136	NA	0.255	0.446	NA	0.282
A013467_01		-0.529	-0.502	0.334	0.458	0.271	0.387	-0.258	-0.386
A013468_01		0.233	0.283	0.099	-0.132	0.592	0.643	0.161	0.295
A013469_01		0.18	0.174	-0.084	0.098	0.031	-0.013	0.026	-0.005
A013470_01		0.344	0.46	-0.315	-0.105	0.387	0.53	0.141	0.215
A013475_01		0.139	NA	NA	-0.782	-0.277	-0.133	NA	-0.533
A013477_01		0.039	NA	0.007	-0.16	NA	-0.035	0.074	NA
A013479_01		-0.156	NA	0.059	0.022	NA	NA	-0.043	-0.143
A013487_01		-0.12	NA	0.026	-0.068	0.12	0.163	-0.097	-0.009
A013488_01		-0.137	-0.196	0.209	0.038	-0.297	-0.582	NA	-0.303
A013490_01		0.213	0.133	0.031	-0.105	0.056	-0.053	0.074	-0.242
A013498_01		0.079	0.103	-0.24	-0.111	-0.094	-0.1	0.152	-0.1
A013503_01		-0.02	-0.071	-0.194	0.09	-0.137	0.008	0.006	-0.068
A013510_01		0.158	NA	0.022	NA	0.197	0.257	NA	-0.2
A013518_01		0.146	0.146	0.625	0.276	0.501	0.439	-0.018	-0.119
A013519_01		-1.302	-0.987	1.214	1.06	-0.212	0.004	-1.434	-0.909
A013520_01		0.782	NA	0.227	0.158	0.581	0.473	-0.189	-0.354
A013522_01		-0.401	-0.228	-0.113	-0.259	-0.081	-0.101	0.168	0.282
A013534_01		-0.029	-0.092	0.061	-0.248	0.414	0.378	0.07	0.154
A013535_01		-0.41	0.07	-0.217	-0.409	0.483	0.953	0.161	0.588
A013537_01		0.247	0.424	-0.597	-0.495	-0.053	-0.319	0.133	0.158
A013547_01		0.255	-0.055	-0.148	-0.268	-0.1	-0.18	0.439	0.2
A013548_01		0.216	NA	-0.016	0.118	NA	-0.189	NA	NA
A013554_01		-2.096	-1.816	0.716	0.868	-2.328	-2.216	-1.949	-1.707

A013555_01	NA		-1.512	1.004	0.898	NA	-2.03	-1.777	-1.981
A013559_01		-0.117	-0.361	-0.397	-0.512	0.56	0.734	0.3	0.206
A013560_01		0.573	0.414	0.328	0.241	0.843	0.66	0.299	0.24
A013561_01	NA		-0.538	-0.088	-0.282	NA	-1.184	NA	
A013562_01		0.501	NA	0.501	0.301	NA	NA	0.384	0.596
A013564_01		-0.184	-0.378	0.019	-0.257	-0.125	-0.104	NA	-0.324
A013571_01		0.147	-0.203	-0.127	-0.218	0.27	0.191	NA	-0.201
A013572_01		-0.244	-0.35	-0.19	-0.128	-0.186	-0.037	-0.042	-0.092
A013574_01		0.196	0.245	0.074	0.26	0.125	0.087	NA	-0.038
A013577_01		0.093	0.199	-0.114	-0.055	0.18	0.196	0.165	0.166
A013579_01		-0.093	-0.16	-0.322	-0.186	-0.243	-0.355	0.101	0.132
A013586_01		0.208	NA	0.042	0.017	0.282	0.399	0.224	0.195
A013590_01		0.194	-0.217	-0.019	-0.1	-0.028	-0.074	NA	
A013591_01		0.349	-0.074	0.214	-0.217	0.291	0.022	NA	0.014
A013604_01		0.241	-0.115	0.088	-0.022	0.164	0.161	0.138	-0.033
A013605_01		0.466	0.367	-0.033	0.092	0.324	0.303	0.156	0.075
A013606_01		-0.657	-0.546	0.089	0.001	-0.804	-0.89	-0.195	-0.14
A013614_01		0.025	-0.265	-0.37	-0.685	-0.202	-0.344	NA	
A013616_01		-0.133	-0.201	0.014	-0.099	-0.138	-0.309	0.153	0.006
A013617_01		-0.016	NA	-0.074	-0.283	-0.169	-0.145	0.223	0.321
A013618_01		-1.369	NA	0.252	0.026	-0.384	-0.119	NA	0.139
A013619_01		0.208	0.173	-0.079	-0.092	0.288	0.31	0.156	0.048
A013622_01		0.253	0.072	-0.072	0.111	-0.294	-0.377	0.007	-0.142
A013625_01		-0.082	-0.222	0.194	-0.027	-0.33	-0.53	-0.045	-0.45
A013627_01		0.203	0.377	-0.089	-0.329	0.219	0.332	0.028	0.113
A013628_01		0.135	0.001	-0.093	-0.276	-0.069	-0.067	0.111	0.067
A013632_01		0.195	-0.025	0.146	NA	0.03	-0.008	NA	
A013633_01		-0.037	-0.368	0.013	-0.018	-0.149	-0.209	NA	-0.233
A013634_01		0.274	-0.057	-0.319	-0.465	0.086	0.033	0.324	0.214
A013637_01		-0.237	NA	0.333	0.045	0.191	0.053	NA	
A013640_01		0.18	0.149	0.398	0.17	0.038	-0.112	-0.065	0.058
A013643_01		0.639	0.451	-0.009	-0.168	-0.458	-0.806	0.158	0.061
A013644_01		0.15	0.052	0.131	-0.078	0.222	0.274	-0.064	0.03
A013646_01		0.117	0.122	-0.06	-0.378	-0.006	0.04	-0.213	-0.122
A013647_01		0.148	NA	0.049	0.008	-0.7	-0.717	NA	-0.648
A013651_01		-0.28	NA	0.006	NA	-0.017	-0.169	NA	0.115
A013657_01		0.379	0.231	-0.389	-0.558	0.22	0.243	NA	0.191
A013658_01		0.197	-0.032	0.166	0.284	-0.44	-0.396	0.011	-0.129
A013659_01		-0.017	-0.079	-0.21	-0.131	-0.346	-0.579	0.046	-0.115
A013660_01		0.306	0.123	0.214	0.082	-0.114	-0.373	-0.024	-0.199
A013661_01		0.304	0.333	-0.196	-0.149	-0.2	-0.203	-0.341	-0.145
A013662_01		0.198	-0.034	0.046	-0.092	-0.1	-0.283	0.025	-0.26
A013663_01		0.273	NA	0.085	-0.023	0.329	0.443	NA	0.034
A013664_01		0.269	0.071	0.017	-0.289	0.255	0.138	0.119	-0.037
A013667_01		-0.018	NA	0.63	0.439	0.432	0.438	0.255	-0.016
A013668_01		-0.099	0.311	-0.251	-0.151	0.084	0.404	0.193	0.336
A013669_01		-0.412	-0.285	0.136	0.31	-0.684	-0.599	-0.456	-0.478
A013671_01		0.204	NA	-0.012	NA	-0.224	-0.418	NA	-0.165
A013674_01		-0.363	-0.426	0.028	-0.174	NA	-0.34	0.281	0.113
A013675_01		0.224	NA	0.379	0.282	0.011	-0.117	NA	-0.378
A013676_01		0.26	0.277	-0.988	-1.252	-0.505	-0.761	-0.631	-0.627
A013680_01		-0.04	-0.054	0.043	0.156	0.19	0.427	0.026	-0.189
A013681_01		-0.308	-0.237	0.009	-0.226	0.242	0.371	0.04	0.105
A013682_01		0.463	NA	-0.008	0.176	0.073	0.014	0.081	-0.082
A013684_01		-0.091	NA	0.127	0.204	NA	0.218	NA	
A013685_01		0.107	0.029	NA	0.032	-0.638	-0.55	NA	
A013689_01		0.097	-0.035	0.07	0.175	-0.077	-0.094	0.002	-0.188
A013691_01		-0.406	-0.329	-1.115	-1.243	NA	NA	-1.882	-2.054
A013692_01		0.173	0.231	0.093	-0.104	0.063	-0.076	-0.116	-0.023
A013695_01		0.526	0.481	0.43	0.607	0.263	0.233	0.197	0.244
A013697_01		0.355	0.523	-0.568	-0.437	-0.407	-0.396	0.075	0.126
A013699_01		-0.486	-0.213	0.058	-0.068	-0.315	-0.433	0.007	0.066
A013700_01		1.106	0.76	-0.059	-0.198	0.727	0.266	0.621	0.283
A013705_01		-0.327	-0.255	0.58	0.388	0.637	0.709	-0.145	-0.09
A013707_01		0.207	-0.1	-0.181	-0.208	-0.334	-0.584	0.058	-0.409
A013710_01		-0.001	-0.139	0.05	0.216	-0.216	-0.179	0.021	-0.234
A013711_01		-1.467	-1.46	NA	NA	-2.113	-2.167	NA	
A013714_01		0.175	0.516	-0.239	-0.453	-0.11	-0.03	-0.032	0.256

A013715_01		0.106	0.098	-0.038	0.021	-0.045	0.185	-0.08	-0.146
A013717_01		0.347	0.564	-0.379	-0.308	0.305	0.434	0.029	-0.017
A013719_01		-0.139	0.186	-0.117	-0.02	0.097	0.425	-0.317	-0.176
A013720_01		-0.048 NA		0.09	0.067	0.241	0.246	0.291	0.113
A013721_01		0.013	0.178	-0.342	-0.191	0.042	0.094	-0.086	-0.11
A013723_01		0.183	0.071	0.02	0.089	0.319	0.417 NA		-0.141
A013724_01		-0.009	-0.085	-0.091	-0.127	0.125	0.066	0.318	0.17
A013727_01	NA		-0.02	-0.087	-0.309	-0.277	-0.389	0.181	0.225
A013728_01		-0.124	0.255	0.01	-0.074	0.433	0.64	0.062	0.22
A013731_01		0.152	0.037	-0.178	-0.343	0.201	-0.006	0.194 NA	
A013732_01		0.075	0.022	-0.787	-0.908	0.366	0.448	-0.588	-0.775
A013733_01		-0.049	-0.13	-0.15	-0.425	-0.752	-0.94	-0.144 NA	
A013735_01		-0.136	-0.243	0.045	-0.114	0.06	0.076	-0.078	0.138
A013736_01		0.054	0.01	0.124	-0.011	0.199	0.484	0.213	0.273
A013739_01		-0.107	-0.148	-0.061	-0.013	0.089	0.255	0.201 NA	
A013744_01		0.153	0.328	0.166	-0.049	0.572	0.773	-0.161	0.038
A013746_01		0.119 NA		-0.04	-0.105 NA		-0.101	0.108	-0.14
A013747_01		0.138	0.158	0.468	0.263	-0.367	-0.569 NA		-0.047
A013749_01		-0.435	-0.594	0.025	-0.281	0.296	0.3	0.596	0.743
A013751_01		0.063	-0.007	-0.128	-0.113	0.292	0.328	0.367	0.187
A013755_01		-0.736	-0.485	-0.184	-0.28	-0.455	-0.302	0.057	0.008
A013756_01		-0.063 NA		0.04	-0.07	0.08	0.045	0.236	0.093
A013758_01		-0.015	0.095	-0.146	-0.223	0.224	0.173	0.132	0.06
A013764_01		-0.208	0.261	-0.237	-0.29	-0.423	-0.37	-0.109	0.287
A013765_01		0.09	0.11	0.248	0.267	0.058	-0.024	-0.129	-0.157
A013770_01		0.194	0.227	0.068	0.208	0.409	0.681	-0.329	-0.26
A013773_01		0.228	0.246	0.131	0.078	0.132	0.138	-0.067	-0.06
A013774_01		-0.753	-0.769	0.416	0.161	-0.469	-0.609	-0.334	-0.349
A013775_01	NA		NA	0.245	0.151 NA		0.148	0.011	0.19
A013778_01		0.108	0.139 NA		-0.352	-0.033	0.064	0.063	0.225
A013780_01		0.683	0.646	-0.379	-0.149	0.531	0.737	0.011	-0.072
A013782_01		-0.063	-0.23	-0.376	-0.371	-0.176	-0.111	0.001	-0.123
A013785_01		0.252	-0.016	0.152	-0.099	-0.124	-0.374	0.195	-0.001
A013787_01		0.251	0.174	-0.274	-0.392	0.181	-0.016	0.073	0.112
A013795_01		0.33 NA		-0.036	-0.06	0.603	0.609	0.133	-0.25
A013796_01		0.161	0.146	-0.188	-0.383	0.463	0.489	0.214	0.263
A013799_01		-0.078	0.135	0.224	0.196	0.771	0.971	0.432	0.385
A013801_01		-0.029	-0.001	-0.037	-0.274	0.122	0.145	-0.07 NA	
A013805_01		0.192	0.071	-0.386	-0.233	0.206	0.49	0.099	0.029
A013806_01		0.03	-0.116	-0.02	-0.113	0.135	0.01	0.156	0.098
A013807_01		-0.119	-0.171	-0.019	0.034	-0.181	0.095	-0.114 NA	
A013810_01	NA		-0.248	0.301	0.03	-0.115	-0.08	-0.011 NA	
A013829_01		0.121 NA		-0.005	-0.251	0.163	0.024 NA		0.227
A013831_01		-0.692	-0.782	-0.087	-0.149	-0.946	-0.848	-1.233 NA	
A013832_01		-0.059	0.023	0.293	0.056	-0.289	-0.575	0.028	0.093
A013833_01		0.066	0.263	-0.233	-0.175	0.298	0.414	0.233	0.322
A013835_01		-0.253	-0.174	-0.367	-0.166	-0.265	-0.413	0.366	0.268
A013847_01		0.213 NA		0.112	0.081 NA		0.168	0.246	0.068
A013856_01		-0.189	-0.049 NA		-0.214	-1.228	-1.545 NA	NA	
A013857_01		-0.028	0.025	0.083	0.144	-0.022	-0.088	0.112	0.021
A013863_01		-0.344	-0.421	0.226	0.186	-0.185	-0.175	0.132	-0.025
A013872_01		-0.902	-0.914	-0.305	-0.224	-1.126	-1.254	-0.443	-0.954
A013875_01	NA		-0.586	-0.45	-0.619	0.261	0.439	0.109	0.026
A013876_01		-0.141	0.048	-0.176	-0.301	-0.144	0.16	0.229	0.282
A013879_01		0.208	0.371	-0.278	-0.201	0.145	0.245	0.18	0.304
A013880_01		0.533	0.487	-0.013	0.103	-0.454	-0.659	-0.117	-0.111
A013884_01		0.091	0.049	0.144	-0.077	-0.04	-0.107	-0.05	-0.135
A013887_01	NA		NA	0.006	-0.114 NA		0.008	-0.106	-0.085
A013889_01		0.194	-0.165	-0.078	-0.034	-0.047	-0.135 NA		-0.238
A013896_01		0.34	-0.011	0.22	0.058	0.7	0.727 NA		0.054
A013898_01		0.342	0.426	0.042	0.093	0.315	0.316	-0.078	0.073
A013901_01		0.165 NA		-0.165	-0.09	-0.281	-0.162 NA		-0.105
A013903_01		-0.888	-0.815	-0.182	-0.263	-1.828	-1.895	-0.694	-0.79
A013904_01		-0.117	-0.161	0.29	0.332	0.502	0.686	0.315	0.24
A013911_01	NA		-0.835	-0.592 NA	NA		-1.394 NA	NA	
A013912_01		0.249	0.093	-0.012	-0.159	0.049	-0.048	0.109	0.092
A013914_01		-0.044	0.038	-0.184	-0.358	0.176	0.217 NA		0.144
A013931_01		-0.292	-0.217	-0.046	-0.146	-0.235	-0.2	-0.083	-0.144

A013932_01		0.337	0.029	0.089	0.119	0.194	0.01	0.028	-0.199
A013942_01		0.099	0.047	-0.031	0.048	-0.342	-0.518	-0.047	-0.17
A013944_01		0.505	0.345	0.278	0.095	0.242	0.169	0.063	-0.04
A013945_01		0.249	-0.042	-0.301	-0.166	0.153	0.179	0.36	0.044
A013948_01		0.191	0.355	0.133	0.314	0.018	0.181	-0.065	0.142
A013950_01		0.247	0.202	0.17	-0.039	-0.073	-0.214	-0.061	-0.141
A013951_01		0.359	0.345	0.164	0.166	0.277	0.273	0.085	0.092
A013956_01		-0.195	-0.3	-0.303	-0.253	-0.214	-0.254	0.041	-0.095
A013960_01		0.09	0.164	0.172	0.188	0.393	0.533	0.051	0.059
A013971_01		0.326	0.38	0.153	0.007	0.229	0.052	0.04	0.008
A013973_01		-0.254	-0.213	0.081	0.01	-0.072	-0.161	-0.019	-0.219
A013974_01		0.411	0.428	-0.165	-0.078	-0.147	-0.233	-0.153	-0.101
A013975_01		0.386	0.379	-0.029	-0.205	0.04	-0.358	-0.194	-0.323
A013980_01		0.346	0.133	0.022	0.086	0.471	0.487 NA		-0.006
A013987_01		0.218	0.135	-0.214	-0.084	-0.031	-0.036	0.143	-0.004
A013989_01		-0.048	-0.126	-0.184	-0.065	-0.981	-1.035	-0.614	-0.644
A013994_01		0.024	0.128	-0.06	-0.005	0.159	0.171	-0.049	-0.109
A013995_01		-0.034	0.085	-0.312	-0.249	-0.628	-0.927	-0.235	-0.351
A013998_01		-0.17 NA		-0.016	-0.03	-0.253	-0.255	-0.048	-0.075
A014000_01		0.179	0.264	0.604	0.392	-0.055	-0.121	-0.009	-0.261
A014010_01		0.077	0.161	0.242	0.015	-0.036	-0.132	-0.092	-0.025
A014014_01		0.236	0.209	0.197	0.17	0.102	0.022	0.128	-0.066
A014015_01		0.328 NA		-0.004	0.043 NA	NA		0.238	-0.02
A014016_01	NA	NA	NA		0.409 NA		0.547 NA		0.233
A014017_01		-1.324	-1.035	-0.998	-0.909	0.211	0.753	-0.22	-0.361
A014019_01		0.111 NA		0.419 NA	NA	NA	NA		0.206
A014020_01		0.367	0.305	0.176	0.147	0	-0.083	-0.037	0.008
A014021_01		0.008 NA		-0.301	-0.326	0.486	0.806	-0.156	-0.011
A014024_01		0.119	0.148	0.252	0.141	0.004	0.036	-0.329	-0.384
A014025_01		0.55	0.056	0.085	-0.103	0.169	-0.061	0.113	-0.089
A014026_01		-0.138	0.043	-0.363	-0.28	-0.227	-0.368	0.519	0.334
A014027_01		-0.026 NA		0.286	0.177	0.102	0.158 NA		0.423
A014031_01		-0.014	-0.04	-0.059	-0.123	0.113	0.149	0.213	-0.009
A014036_01		-0.245	-0.138	-0.044	0.098	-0.187	0.078	-0.002	0.219
A014038_01		-0.065	0.147	0.054	0.201	-0.422	-0.426	-0.027	-0.13
A014040_01		-3.336	-2.745	-1.827	-2.125	-3	-3.13 NA		-1.827
A014043_01		0.17	0.133	0.499	0.055 NA		-0.225 NA		-0.293
A014046_01		0.168	0.03	-0.251	-0.184	0.009	0.014	0.221	0.068
A014056_01		0.278	0.264	0.287	0.079	0.558	0.556	0.208	0.154
A014062_01		0.146	0.166	0.016	-0.127	-0.04	0.041	0.147	0.016
A014064_01		0.045	-0.277	0.114	-0.049	0.103	0.116 NA	NA	
A014066_01		0.478	0.482	-0.662	-0.729	0.384	0.336	0.103	0.115
A014067_01		-0.004	-0.086	-0.43	-0.355	-0.129	-0.234	0.283	0.178
A014068_01		-0.618 NA		-1.09	-1.078	-0.763	-1.064	-0.308	-0.774
A014069_01		-0.154	-0.164	0.144	-0.197	0.293	0.357	-0.079	-0.06
A014072_01		-0.036	0.06	-0.226	-0.149	0.228	0.461	0.051	0.11
A014075_01		-0.149	-0.423	0.09	0.298	-0.595	-0.562	-0.416	-0.51
A014083_01	NA	NA		-0.36	-0.474 NA		0.004	0.129	0.068
A014084_01		0.056	0.228	0.218	0.079	-0.061	-0.22	0.025	-0.016
A014085_01		-0.091 NA		0.048 NA		0.255	0.101 NA	NA	
A014086_01		-0.431 NA	NA		-0.474	-0.006	-0.007 NA		-0.362
A014088_01		-0.022	0.084	-0.217	-0.331	-0.145	-0.181	-0.03	-0.235
A014089_01		0.329	0.272	0.359	0.323	-0.506	-0.688	-0.21	-0.329
A014095_01		-0.203	-0.166	0.085	0.033	-0.037	-0.135 NA	NA	
A014097_01		-0.07	0.082	-0.153	-0.164	0.073	0.336	-0.216	-0.177
A014098_01		0.185	-0.078	0.025	0.147	-0.038	-0.136	-0.122	-0.291
A014109_01		0.2	0.199	0.018	0.008	-0.16	-0.338	-0.047	-0.023
A014112_01		0.266 NA		0.184	0.064 NA		0.096 NA	NA	
A014113_01		0.141	0.048	-0.095	-0.11	0.055	-0.016	0.14	0.037
A014115_01		0.639	0.327	-0.032	0.022	-1.584	-2.29	0.15	0.011
A014117_01		-0.021 NA		-0.046	-0.026 NA	NA		0.373	0.183
A014119_01		-0.111	0.002	0.031	-0.022	0.323	0.264	-0.029	-0.052
A014121_01		0.851	0.869	0.636	0.552	0.68	0.603	-0.572	-0.552
A014124_01		0.375	0.2	-0.13	-0.019	0.364	0.31	0.382	0.213
A014126_01		0.011	-0.038	-0.151	-0.063	0.227	0.265	0.237	0.135
A014130_01		-0.622	-0.621	-0.172	-0.199	0.1	0.462	-0.509	-0.651
A014131_01		-0.573	-0.389	-1.319	-1.259	0.177	0.523	-0.462	-0.359
A014132_01		0.301 NA		0.026	-0.011	0.449	0.27	0.334	0.091

A014136_01		-0.222	-0.393	-0.186	-0.296	-0.198	-0.275	0.139	0.124
A014137_01		0.288	0.344	0.043	0.083	0.33	0.15	0.122	0.073
A014139_01		-0.391	-0.407	-0.032	-0.087	-0.26	-0.405	0.126	0.018
A014140_01		-0.06 NA		0.005	0.06	-0.022	-0.092	0.332	0.079
A014141_01		-0.289 NA	NA		-0.221 NA		0.294 NA		0.216
A014144_01		0.229	0.191	0.05	0.121	-0.223	-0.248	0.064	0.054
A014146_01		-0.168	-0.197	-0.069	-0.133	-0.22	0.074	-0.151	-0.124
A014147_01		0.211 NA		0.082	-0.118 NA		-0.701	-0.056	-0.219
A014155_01		0.318	0.154	0.176	0.176	-0.057	-0.139 NA	NA	
A014161_01		0.133	0.138	-0.142	-0.03	-0.169	-0.317	0.094	-0.079
A014163_01	NA	NA		-0.485	-0.57 NA		-0.248	0.533	0.216
A014165_01		0.092	-0.031	-0.182	-0.337	0.099	-0.064 NA	NA	
A014167_01		0.18 NA		0.198	0.014 NA	NA	NA		0.168
A014168_01		-0.142	-0.005	-0.222	-0.111	0.552	0.705 NA		-0.04
A014169_01		-0.12	-0.145	-0.596	-0.632	-0.357	-0.572	-0.441	-0.351
A014174_01		0.121 NA		0.512	0.197	0.361	0.209	0.146	0.063
A014176_01		0.379	0.178	-0.29	-0.132	0.2	0.243	0.182	0.094
A014177_01		0.002	-0.14	0.048	-0.082	0.071	0.15	-0.047	-0.132
A014178_01	NA		-0.078	0.077	0.09 NA		-0.017	-0.04 NA	
A014179_01		0.255	-0.035	-0.001	-0.066	-0.193	-0.339 NA		-0.203
A014180_01		0.23 NA		-0.426	-0.407 NA		-0.205	0.425	0.043
A014182_01		-0.581	-0.434	-0.172	-0.268	-0.193	-0.277	-0.319	-0.493
A014185_01		0.001	-0.119	-0.015	0.012	-0.058	0.033	0.048	0.038
A014186_01		-0.201	-0.144	0.094	0.063	-0.337	-0.621	0.109	-0.064
A014188_01		0.173 NA	NA		-0.425	0.22	0.152 NA	NA	
A014189_01		-0.297	-0.39	0.113	0.095	0.538	0.621	0.18	-0.011
A014192_01		0.337	0.03	0.09	-0.008	-0.141	-0.284	0.051	-0.009
A014194_01		0.091	-0.134	0.128	-0.031	0.186	0.082	0.123	-0.045
A014201_01		-0.288	-0.122	-0.233	-0.244	0.138	0.248	-0.055	-0.166
A014202_01		0.156	-0.037	-0.186	-0.337	-0.155	-0.091	0.175	0.079
A014203_01		0.028	-0.212 NA	NA		-0.321	-0.483 NA	NA	
A014204_01		-0.16	-0.106	-0.176	-0.012	-0.139	-0.193	0.134	0.075
A014205_01		0.235	0.272	0.698	0.585	0.326	0.134	-0.246	-0.373
A014208_01		-0.118	-0.128	-0.001	0.031	-0.363	-0.412	0.03 NA	
A014209_01		0.23 NA		0.486	0.093	0.114	-0.274 NA		-0.423
A014210_01		-0.518 NA		-0.168	-0.482	0.578	0.636 NA	NA	
A014213_01		-0.342	-0.16	-0.303	-0.046	-1.049	-0.748	-0.654	-0.388
A014224_01		0.609	0.753	0.081	0.062	0.52	0.868	0.059	0.121
A014229_01		0.145	0.297	-0.062	0.014	-0.119	-0.325	0.134	0.096
A014233_01		-0.395	-0.379	-0.014	-0.278	0.298	0.539	-0.442	-0.222
A014239_01		-0.109	-0.155	-0.39	-0.289	-0.092	-0.11	0.092	0.058
A014245_01		0.338	-0.045	-0.083	-0.219	0.273	0.23	0.094	-0.109
A014247_01		-1.566 NA	NA	NA		-1.512	-1.326 NA	NA	
A014248_01		0.171	0.056	-0.135	-0.154	-0.048	-0.073	0.145	-0.071
A014249_01		-0.081	0.073	-0.062	0.307	-0.03	0.226	0.093	0.131
A014250_01		0.225	0.033	0.035	-0.198	0.25	0.177	0.07	-0.075
A014253_01		0.346	0.295	0.057	0.17	-0.035	-0.16	0.175	0.245
A014256_01		-0.447	-0.041	0.186	-0.074	-0.946	-1.24	-0.202	-0.168
A014257_01		0.161 NA		0.047	0.013	0.2	0.106 NA		0.05
A014264_01		0.087	-0.029	0.017	-0.202	-0.108	-0.194	-0.073	-0.312
A014270_01		0.28	0.032	-0.097	-0.134	0.269	0.363 NA		-0.415
A014274_01		0.22	0.242	0.45	0.112	0.727	0.918	0.188	0.278
A014275_01		-1.373	-1.341	-3.125	-2.471	-2.743	-2.444 NA		-3.059
A014276_01		0.224	0.307	-0.154	-0.271	0.22	0.121	-0.005	-0.025
A014278_01		-0.135	-0.034	-0.079	0.009	-0.375	-0.407	-0.174	-0.106
A014286_01		-0.172	-0.102	-0.148	-0.425	-0.608	-0.727 NA		-0.147
A014293_01		0.898 NA		0.506	0.44 NA		-0.224	-0.052	-0.443
A014295_01		0.439	0.286	0.287	0.093	0.323	0.111	-0.207	-0.212
A014304_01		0.694	0.54	0.544	0.487	1.115	1.19	0.623	0.498
A014305_01		0.14	0.231	0.209	0.004	0.277	0.125	0.033	0.074
A014307_01		-0.005	-0.272	0.307	0.29	-0.234	-0.55	0.044	-0.231
A014310_01		0.216	0.019	0.412	0.101	-0.209	-0.502	-0.464	-0.494
A014313_01		0.248	0.202	-0.103	-0.056	-0.068	-0.137	0.048	0.018
A014317_01		0.533	0.188	-0.357	-0.346	-0.209	-0.462	0.028	-0.162
A014319_01		-0.165	-0.132	-0.176	-0.415	0.015	0.223	0.035	0.182
A014323_01		-0.07	-0.119	-0.461	-0.707	-0.217	-0.349 NA	NA	
A014325_01		0.253 NA		0.286	-0.096	0.364	0.283 NA	NA	
A014331_01		0.071 NA		-0.068	-0.274	0.192	0.163 NA	NA	

A014339_01	0.024	-0.223	-0.094	-0.118	-0.146	-0.14	-0.217	-0.254
A014344_01	0.095	0.174	-0.101	-0.091	0.306	0.245	0.339	0.5
A014441_01	0.351 NA		0.097	-0.146 NA	NA		0.26	-0.007
A014442_01	-0.086 NA		0.306	0.267	-0.138	0.094	-0.233 NA	
A014443_01	0.504	0.185	-0.02	-0.174	-0.017	-0.242	0.105	-0.001
A014448_01	0.18 NA		0.328	-0.16	-0.006	-0.123 NA		0.178
A014449_01	-0.393	-0.08	-0.179	-0.062	-0.358	-0.112	-0.283	-0.122
A014455_01	0.348	0.291	0.569	0.322	-1.636	-2.1	-0.054	-0.16
A014457_01	NA	NA	-0.383	-0.161 NA		0.157	0.113	0.065
A014459_01	0.067 NA		0.545	0.664	-0.211	-0.391	-0.022	-0.267
A014462_01	0.04	-0.108	0.08	0.002	0.004	-0.04	0.12	-0.069
A014463_01	-0.172	0.012	-0.208	-0.127	0.005	0.13	-0.031	0.052
A014464_01	-2.841	-1.843	-1.946	-1.673	-2.872	-3.265	-2.931	-2.933
A014468_01	0.403	0.164	-0.062	-0.083	0.246	0.244	-0.065	-0.178
A014469_01	-0.157	-0.085	0.273	0.249	0.475	0.794	-0.326	-0.279
A014472_01	0.315	-0.03	-0.11	-0.161	-0.002	-0.24	0.181	-0.206
A014473_01	0.291	0.15	0.021	0.098	0.096	0.189	0.069	0.172
A014474_01	0.066	0.123	0.121	-0.003	0.084	0.169	-0.079	0.013
A014486_01	0.027	0.066	0.053	-0.195	0.059	0.032 NA		-0.087
A014493_01	0.186	0.119	0.203	0.245	0.134	0.206	0.108	0.066
A014495_01	0.117	-0.119	0.047	0.034	-0.338	-0.489	0.066	-0.192
A014497_01	0.272	0.182	-0.03	0.112	0.171	0.308	-0.14	-0.208
A014501_01	-0.14	-0.141	-0.147	-0.025	0.217	0.485	-0.137	0.025
A014502_01	0.213	0.248	-0.113	-0.226	0.162	0.285	0.079	0.082
A014503_01	-0.091 NA		0.232	0.455	-0.173	-0.158	0.065	-0.052
A014509_01	0.316	0.399 NA	NA		0.135	0.048 NA	NA	
A014510_01	-0.18	0.201	-0.172	-0.141	-0.271	-0.097	0.029	0.247
A014514_01	0.083 NA		-0.222	-0.014	-0.073	-0.263	0.121	-0.259
A014516_01	0.297	0.012	0.13	-0.044	-0.142	-0.362	0.182	0.056
A014519_01	0.503	0.354	0.084	0.063	0.212	0.214	0.846	0.753
A014520_01	-0.174 NA		-0.485 NA		0.355	0.598 NA	NA	
A014522_01	0.472	0.545	-0.191	-0.086	0.203	0.261	-0.218	-0.177
A014526_01	-0.63	-0.169	-0.698	-0.569	-1.595	-1.954	-0.387	-0.533
A014529_01	NA	NA	0.119	0.079 NA		-0.284	0.185	0.011
A014531_01	-0.328	-0.057	0.062	0.087	-0.524	-0.272	-0.382	-0.302
A014532_01	0.192 NA		0.379	0.298	0.412	0.435	-0.363	-0.323
A014537_01	0.219	-0.036	0.315	0.27	-0.012	-0.17	0.171	0.067
A014539_01	-0.268	-0.329	-0.294	-0.068	0.365	0.365	0.374	0.077
A014543_01	-0.107	-0.183	-0.453	-0.362	0.07	0.098	0.033	0.119
A014544_01	0.243	0.211	-0.272	-0.343	0.32	0.552	-0.013	0.149
A014548_01	0.222 NA		0.198	-0.078	0.201	-0.055	0.06	-0.126
A014550_01	0.017	-0.037	-0.093	-0.015	-0.13	0.015	-0.091	-0.289
A014556_01	NA	NA	0.079 NA	NA		0.051 NA	NA	
A014560_01	0.247 NA		0.307	-0.073	-0.039	-0.246 NA		-0.375
A014570_01	0.131	0.161	0.05	0.205	-0.301	-0.339	-0.121	-0.218
A014571_01	0.158	0.374	-0.091	-0.005	0.54	0.772	0.257	0.335
A014574_01	0.081	0.275	0.278	0.101	-0.198	-0.169	-0.071	-0.062
A014576_01	0.123	0.121	0.373	0.261	-0.01	-0.226	-0.157	-0.282
A014577_01	-0.781	-0.551	-0.01	-0.008	-1.344	-1.3	-0.776	-0.713
A014580_01	0.058	-0.067	0.278	0.018	-0.262	-0.421	0.082	-0.171
A014581_01	-0.562	-0.19	-0.092	0.093	-0.149	0.314	-0.304	-0.307
A014587_01	-0.122	0.181	-0.039	0.189	0.145	0.44	0.063	0.291
A014590_01	0.139	0.158	0.036	-0.068	0.283	0.213	0.142	-0.006
A014594_01	-0.207	-0.037	0.037	-0.247	0.108	0.133	-0.151	-0.049
A014596_01	-0.142	-0.048	0.271	0.205	-0.777	-0.861	0.055	0.129
A014597_01	0.366	0.288	0.141	0.131	-0.141	-0.183	-0.066	-0.225
A014600_01	-0.082	-0.167	0.222	-0.068	-1.081	-1.377	0.092	-0.15
A014601_01	0.055	0.057	-0.042	0.188	-0.207	-0.322	0.135	0.08
A014611_01	-0.242	-0.221	-0.08	-0.144	0.691	0.989	-0.255	-0.279
A014612_01	0.02	0.053	0.102	0.171	0.336	0.496	-0.161	-0.091
A014615_01	-0.394	-0.37	-0.256	-0.249	-0.939	-0.999	-0.21	-0.098
A014621_01	-0.022 NA	NA	NA	NA		-0.909 NA	NA	
A014622_01	0.286	0.068	-0.058	0.02	0.235	0.209	0.36	0.105
A014628_01	-0.214	-0.106	0.124	-0.006	0.005	-0.022	-0.216	-0.129
A014629_01	0.065 NA		-0.149	-0.427 NA		-0.627 NA		-0.339
A014632_01	-0.485	-0.078	-0.21	-0.211	-0.876	-0.689	-0.356	0.057
A014633_01	0.012	-0.104	0.372	0.261	0.086	0.047	-0.168	-0.296
A014634_01	-0.2	-0.349	0.086	0.142	-0.802	-0.78	-0.226	-0.481

A014636_01	-0.041	0.038	-0.267	-0.158	-0.218	-0.151	-0.12	-0.027
A014637_01	0.274	0.074	0.242	0.354	-0.16	-0.085	-0.2	-0.413
A014639_01	-0.089	0.013	-0.232	-0.289	-0.068	-0.135 NA		-0.083
A014643_01	-0.056	-0.144	-0.128	-0.179	-0.898	-1.098	-0.224	-0.417
A014644_01	-0.054	-0.124	-0.101	-0.177	-0.075	-0.247	0.133	0.011
A014646_01	0.201	0.356	-0.1	-0.203	0.459	0.385	0.157	0.193
A014650_01	-0.029	-0.071	0.089	-0.031	-0.058	-0.23	0.332	0.312
A014654_01	0.197	-0.064	-0.1	-0.095	0.314	0.27	0.176	-0.009
A014655_01	-0.049	-0.345	0.069	-0.124	-0.367	-0.637	-0.141	-0.276
A014660_01	0.193 NA	NA	NA		0.184	0.216 NA		0.152
A014661_01	-0.095	-0.253	-0.026	0.133	0.249	0.37	-0.364	-0.606
A014662_01	0.137	0.071	-0.172	-0.328	0.07	-0.225	0.253	0.13
A014667_01	-0.141	-0.026	-0.081	-0.136	0.406	0.731	0.318	0.384
A014669_01	-0.251	-0.017	0.286	0.111	0.448	0.501	0.038	0.106
A014675_01	-0.045	-0.14	-0.039	-0.032	-0.193	-0.249	0.124	0.006
A014676_01	0.038	-0.04	-0.125	0.005	-0.785	-1.068	0.162	-0.102
A014677_01	NA	0.089	0.055	0.11 NA		-0.655 NA	NA	
A014682_01	0.244	0.39	-0.033	0.246	-0.103	-0.05	0.159	0.114
A014684_01	0.3	0.022	0.099	-0.134	0.235	-0.024	-0.026	-0.041
A014685_01	0.077 NA		0.16	0.065	-0.293	-0.261 NA		-0.015
A014688_01	0.266	0.773	0.432	0.418	-0.922	-1.239	-0.712	-0.766
A014699_01	-0.049	-0.082	0.083	-0.044	-0.304	-0.504	-0.12	-0.3
A014701_01	-0.298	0.238	0.197	0.054	0.254	0.321	0.055	0.109
A014702_01	0.188	0.166	0.619	0.448	0.494	0.541	-0.14	-0.073
A014704_01	0.229	0.153	0.02	0.112	-0.613	-0.83	0.221	0.275
A014705_01	0.49	0.509	-0.64	-0.569	0.683	0.775	-0.059	-0.069
A014706_01	0.354	-0.042	0.362	0.047	-0.366	-0.707	0.01	-0.196
A014707_01	-0.229	-0.059	-0.087	-0.005	-0.142	-0.248	0.159	0.047
A014708_01	0.134	-0.152	0.138	0.019	-0.058	-0.118 NA		-0.186
A014709_01	0.038	0.035	-0.21	-0.384	0.276	0.139	0.262	0.017
A014716_01	-0.197	-0.113	0.011	0.112	-0.193	-0.177	-0.246	-0.165
A014717_01	0.067	0.125	-0.239	-0.361	0.098	0.115	0.122	0.232
A014720_01	0.193	-0.122	-0.217	-0.206	0.179	0.386	-0.421	-0.58
A014721_01	-0.392	-0.42	0.242	0.351	-0.599	-0.539	-0.167	-0.227
A014722_01	0.176	0.087	-0.071	0.07	-0.045	-0.036	0.108	-0.051
A014723_01	0.162	-0.024	0.166	0.149	0.205	0.052	0.21	0.003
A014724_01	0.035	0.165	0.314 NA		0.297	0.461 NA	NA	
A014725_01	0.368	0.219	0.279	0.214	-0.125	-0.83	-0.168	-0.223
A014726_01	-0.862	0.255	0.107	-0.199	0.312	0.072 NA		-0.064
A014728_01	-0.137	-0.03	0.179	-0.07	-0.07	-0.118	0.279	0.253
A014730_01	-0.036	-0.195	-0.007	-0.117	0.126	-0.058	0.152	-0.309
A014732_01	-0.242	-0.584	-0.226	-0.142	-0.187	-0.204	0.17	0
A014733_01	0.241	0.14	0.332	0.129	0.423	0.328	0.208	0.138
A014738_01	-0.09	-0.115	0.115	-0.077	-0.06	-0.13	-0.171	-0.146
A014742_01	-0.18	-0.137	-0.205	-0.278 NA		-0.266	0.278	0.354
A014743_01	0.165	0.215	0.083	-0.134	0.067	-0.151	-0.066	-0.025
A014745_01	0.224	0.367	-0.052	0.012	0.042	0.167	-0.112	0.046
A014746_01	-0.216	-0.046	0.351	0.181	0.327	0.728	-0.007	0.338
A014750_01	-0.36	-0.401	-0.182	-0.366	-0.616	-0.69	-1.114	-1.072
A014751_01	-0.338 NA		0.016	0.015 NA		0.185	0.054	-0.145
A014752_01	0.343 NA		0.454	0.289 NA		-0.722	-0.073	-0.244
A014754_01	0.112	0.005	0.102	0.117	-0.086	-0.191	0.092	0.083
A014755_01	-0.027	0.115	-0.151	-0.008	-0.146	-0.17	0.112	0.118
A014758_01	0.564	0.587	-0.622	-0.495	-0.569	-0.633	-0.138	-0.123
A014759_01	-0.094	0.135	0.352	0.255	0.406	0.73	-0.099 NA	
A014760_01	0.254	0.103	0.104	0.161	-0.664	-0.655	-0.056	-0.226
A014761_01	-0.119	-0.172	-0.218	-0.415	0.436	0.417	0.175	0.154
A014762_01	0.267	0.045	0.098	-0.014	-0.239	-0.59	0.332	0.101
A014763_01	0.059	0.317	0.169	0.243	0.111	0.191	-0.192	-0.217
A014765_01	0.458	0.405	-0.495	-0.271	0.315	0.257	0.246	0.041
A014767_01	0.227	0.204	0.05	0.108	-0.341	-0.52	0.177	0.004
A014769_01	-0.148	-0.113	-0.224	-0.144	-0.371	-0.37	-0.222	-0.287
A014771_01	-0.196	-0.288	-0.262	-0.099	-1.016	-1.403	-0.124	-0.363
A014774_01	0.117	-0.04	-0.122	-0.18	0.197	0.261	0.294	0.298
A014777_01	-0.041	0.025	0.015	-0.032	-0.014	-0.207	0.184	0.252
A014780_01	-0.09	-0.285	-0.078	-0.368	-0.114	-0.099	-0.16	-0.005
A014783_01	0.167	-0.032	0.136	0.047	-0.242	-0.512	0.129	-0.001
A014785_01	0.045 NA		-0.12	-0.122	-0.203	-0.253	0.196	0.127

A014789_01		0.173	0.747	0.508	0.241	0.519	0.139	-0.369	-0.246
A014793_01		0.211	0.506	0.288	-0.069	0.14	-0.059	0.019	-0.03
A014794_01		0.315	0.063	0.489	0.349	-0.151	-0.514	0.02	-0.31
A014798_01		-0.001 NA		-0.23	-0.246	-0.171	-0.232	0.236	0.136
A014799_01	NA		-2.105 NA		-1.856 NA		NA	NA	NA
A014800_01		0.107	-0.043	0.046	-0.22	0.256	0.099	0.119	-0.033
A014801_01		0.505	0.5	0.205	0.382	-0.248	-0.549	-0.538	-0.636
A014802_01		0.443	-0.036	0.058	-0.014	-0.22	-0.416 NA	NA	
A014805_01		0.221 NA		0.373	0.073	-0.39	-0.761	-0.217	-0.114
A014806_01		-0.134	-0.267	-0.046	-0.094	-0.304	-0.743	0.245	-0.233
A014811_01		0.201	0.261	-0.247 NA		-0.059	-0.04 NA		-0.02
A014819_01		-0.204	-0.282	-0.293	0.051	-0.232	-0.272	0.162	-0.07
A014821_01		0.224	0.131	0.126	0.072	-0.035	-0.032	0.015	-0.047
A014825_01		0.416	0.593	0.011	0.088 NA		-0.274 NA	NA	
A014832_01		0.288	0.082	-0.122	-0.087	0.217	0.13	-0.015	0.009
A014833_01		0.12 NA		0.306	0.08 NA		0.056 NA		-0.026
A014835_01		0.334	0.284	-0.164	-0.232	0.258	0.256 NA		-0.031
A014838_01		-0.258	-0.254	-0.231	-0.234	-0.031	-0.091 NA		-0.137
A014842_01		0.009	0.097	0.073	0.199	0.286	0.345	-0.023	0.106
A014848_01		-0.043 NA		0.278	0.205	0.054	-0.14	-0.109	-0.273
A014850_01		0.074	-0.089	0.065	-0.082	-0.028	-0.229	0.053	-0.002
A014851_01		-0.785 NA		0.706	0.559 NA	NA	NA	NA	
A014855_01		-0.028	-0.022	-0.022	-0.294	0.03	-0.008	0.328	0.142
A014858_01		0.074	-0.014	0.074	0.111	0.595	0.699	0.304	0.227
A014860_01		0.3	0.469	-0.363	-0.377	0.01	-0.231	0.448	0.494
A014862_01		0.237	0.193	-0.227	-0.128	0.222	0.261 NA		0.043
A014867_01		-0.699	-0.542 NA		-1.454 NA		-2.29 NA	NA	
A014874_01		-0.047 NA		-0.112	-0.063	-0.14	-0.16 NA		-0.04
A014875_01		-0.239 NA		0.136	0.253 NA		-0.59 NA		0.175
A014876_01		0.221	0.108	-0.083	-0.067	0.74	0.981	0.167	0.161
A014888_01		-0.106	-0.053	-0.14	-0.256	-0.178	-0.299 NA	NA	
A014892_01		0.622 NA		0.186	0.012 NA	NA		0.047	-0.118
A014899_01		-0.002	0.001	0.154	0.223	0.263	0.448	-0.023	0.148
A014904_01		0	-0.096	-0.032	-0.181	-0.361	-0.508 NA		-0.269
A014914_01		-0.214	-0.276	-0.105	0.05	-0.161	-0.199	0.022	-0.108
A014915_01		0.289 NA		-0.017	-0.158 NA		0.068	0.227	0.003
A014919_01		0.436	0.48	0.054	-0.24	0.158	-0.126	-0.108	-0.238
A014925_01		0.004	-0.043	0.118	0.078	-0.116	-0.183	-0.267	-0.324
A014927_01		0.42	0.15	-0.084	0.008	0.23	0.306	-0.025	-0.056
A014928_01		-0.068	-0.108	-0.627	-0.672	-0.366	-0.533	0.02	-0.137
A014929_01		-0.354	-0.18	0.046	0.145	0.279	0.43	0.138	0.095
A014931_01		0.216	0.147	0.178	0.087	0.14	0.129	0.039	0.011
A014932_01	NA		-0.099	-0.075	0.078	0.22	0.156	0.013	-0.065
A014933_01		-0.116	-0.126	-0.048	0.094	-0.062	-0.202	0.074	-0.076
A014935_01		0.233	0.186	0.099	-0.173	0.458	0.416 NA		-0.011
A014936_01		0.87	0.708	-0.022	0.139	-0.118	-0.356	0.034	0.074
A014938_01		-0.222	-0.302	-0.229	-0.252	-0.302	-0.24	0.044	-0.172
A014939_01		0.113	0.219	0.017	-0.023	0.299	0.402	0.45	0.296
A014942_01		0.207	0.088	-0.08	-0.088	-0.069	-0.025	-0.13	-0.383
A014945_01		-0.994	-0.895	-0.284	-0.291	0.329	0.624	-0.221	-0.163
A014947_01		0.066	0.343	-0.875	-0.958	0.006	-0.058	0.249	0.269
A014948_01		-0.583	-0.335	-0.324	-0.248	0.098	0.412	0.032	0.048
A014951_01		0.439	0.322	0.717	0.435	0.701	0.53	-0.133	-0.118
A014952_01		-0.025	0.039	-0.318	-0.305	0.129	0.006	0.089	0.072
A014953_01		0.499 NA		0.476	0.488 NA		-0.438 NA		-0.237
A014954_01		0.464	0.349	-0.13	0.008	-0.068	-0.11	-0.568	-0.529
A014955_01		0.162	0.113	-0.066	-0.033	0.193	0.229	0.172 NA	
A014965_01		-0.061 NA		-0.052	-0.267 NA		-0.854 NA	NA	
A014971_01		0.211	-0.029	0.078	0.096	0.333	0.267	0.058	-0.043
A014974_01		-0.255	-0.145 NA	NA		0.198	0.234 NA	NA	
A014976_01		0.022 NA		0.103	0.026	0.133	0.058 NA		-0.139
A014979_01		0.068	0.163	0.053	-0.141	-0.192	-0.065	0.11	0.253
A014980_01	NA		0.273	-0.03	-0.001 NA		-0.058 NA	NA	
A014982_01		0.03	0.029	0.095	0.11	0.108	0.147	-0.177	-0.148
A014984_01		0.596	0.637	-0.47	-0.436	0.172	-0.06	0.272	0.506
A014986_01		0.384	0.164	0.102	0.079	0.132	-0.061	-0.004	-0.213
A014989_01		-0.006	-0.087	-0.554	-0.523	-0.042	-0.066	-0.018	0.042
A014991_01		0.421	0.383	0.292	0.392	0.297	0.335	-0.011	-0.013

A014996_01		-0.091	0.054	0.145	-0.129	0.364	0.441	0.113	-0.009
A015002_01		-0.033	-0.103	-0.209	0.046	-0.247	-0.074	-0.221	-0.371
A015008_01		0.27	0.378	0.219	0.045	0.078	-0.015	-0.069	-0.046
A015009_01		0.337	0.12	-0.027	-0.108	0.143	0.22	0.101	-0.114
A015011_01		0.102 NA		0.012	-0.111	0.272	0.366 NA		-0.119
A015012_01		-0.196	-0.212	-0.218	-0.011	-0.135	-0.041	0.112	0.044
A015013_01		-0.057	0.189	-0.382	-0.122	0.215	0.693	-0.007	0.234
A015025_01		0.301	0.043	0.406	0.094	0.247	0.099	-0.176	-0.484
A015035_01		0.148 NA		0.206	0.278 NA		-0.749 NA		-0.186
A015041_01		0.031	-0.02	0.411	-0.014	-0.244	-0.458 NA		-0.135
A015042_01		0.268 NA		-0.073	0.104	-0.176	-0.298	0.167	0.095
A015044_01		-0.056	-0.109	-0.056	-0.228	-0.078	-0.133	-0.015	0.078
A015047_01		0.107	0.24	0.3	0.142	-0.176	-0.234	-0.503	-0.502
A015050_01		-0.095	-0.182	0.256	0.245	0.335	0.44	-0.233	-0.178
A015054_01		0.372 NA		0.123	-0.041 NA		-0.556	0.142	-0.098
A015056_01		0.064	0.087	-0.208	-0.182	-0.165	-0.195	-0.117	-0.139
A015062_01		0.036	0.208	-0.074	-0.101	-0.374	-0.438	-0.341	-0.134
A015066_01		-0.175	-0.337	-0.024	0.203	0.045	0.289	-0.034	-0.092
A015067_01		0.2 NA		0.025	0.11 NA		-0.045 NA	NA	
A015071_01		-0.415	-0.106	0.182	-0.143	0.834	1.382	0.245	0.12
A015072_01		-0.266	-0.366	-0.267	-0.346	-0.856	-1.006	-0.18	-0.174
A015075_01		0.036	0.137	0.289	0.357	-0.23	-0.393	0.127	0.118
A015077_01		0.133	0.12	0.049	-0.076	-0.391	-0.65	-0.054	-0.195
A015079_01		0.347 NA		0.303	0.168 NA		-0.117	0.144	-0.114
A015081_01	NA	NA		0.213	0.15 NA		0.061	0.081	0.019
A015082_01		-0.242 NA		0.047	0.066	0.361	0.329	0.133	0.029
A015083_01		0.326	0.131	0.008	0.065	0.046	0.07	-0.064	-0.108
A015084_01		0.299	0.299	0.323	0.103	0.312	0.337	-0.091	-0.098
A015088_01		0.265	0.365	-0.02	0.036	-0.014	0.001	-0.128	-0.004
A015090_01		0.226 NA		-0.073	-0.005	-0.583	-0.746	-0.057	-0.107
A015092_01		0.122	0.062	-0.109	0.083	0.292	0.478	-0.041	-0.095
A015093_01		-0.095	-0.227	-0.096	-0.086	-0.127	0.074	-0.254	-0.058
A015095_01		-2.151 NA		-0.167	-0.393 NA		-2.325	-1.033	-0.825
A015096_01		0.115	-0.005	-0.009 NA		0.385	0.293 NA		0.015
A015097_01		-0.079	-0.133	-0.191	-0.151	-0.045	0.034	0.039	-0.133
A015098_01		0.171 NA		-0.205 NA	NA		0.296 NA		0.232
A015102_01		0.645	0.212	0.311	0.162	0.208	0.055	-0.248	-0.656
A015105_01		0.203	0.001	-0.309	-0.095	0.554	0.854	0.085	-0.01
A015108_01		-0.136	-0.261	0.111	0.077	-0.393	-0.507	-0.116	-0.269
A015109_01		-0.062 NA		0.084	-0.011 NA	NA		-0.301	-0.445
A015111_01	NA	NA		0.102	-0.221 NA	NA	NA		-0.142
A015114_01		0.455	0.198	-0.461	-0.459	-0.563	-0.742	0.19	0.089
A015118_01		0.175	0.024	-0.194	-0.231	0.053	0.132	0.16	0.06
A015121_01		-0.014 NA		-0.085 NA	NA		-0.468 NA	NA	
A015124_01		-0.024	0.033	0.04	0.151	0.193	0.394	0.025	-0.011
A015125_01		-0.08	-0.222	0.064	-0.183	-0.282	-0.272	0.031	-0.015
A015126_01	NA	NA		0.613	0.272 NA	NA		-0.334	-0.268
A015128_01		0.048	0.308	0.281	0.162 NA		-0.604 NA	NA	
A015129_01		-0.234	-0.072	-0.131	-0.002	0.036	0.136	0.025	0.035
A015134_01		0.341	0.324	0.023	0.247	0.751	0.91	0.18	-0.06
A015141_01		-0.062	-0.345	-0.014	-0.216	-0.174	-0.106	-0.1	-0.031
A015144_01		-0.109	0.011	0.476	0.167	-0.173	-0.015	-0.308	-0.069
A015147_01		0.073 NA	NA	NA	NA		-0.592 NA		-0.108
A015148_01		0.224	0.049	-0.2	-0.248	0.075	0.122	0.212	0.165
A015149_01		0.052 NA		-0.105	-0.075	-0.006	-0.065	0.125	0.087
A015157_01		-0.414	-0.591	-0.203	-0.063	-0.011	0.209	0.401	0.415
A015160_01		0.206	-0.024	-0.291	0.187	-0.203	0.019 NA		0.05
A015163_01		0.024 NA		-0.082	0.088	0.188	0.334	-0.047	0.181
A015165_01		0.122	0.131	0.063	0.244	0.382	0.467	0.163	0.105
A015167_01		0.424 NA		0.342	0.21 NA		-0.91	-0.181	-0.288
A015168_01		0.262	0.192	-0.094	-0.06	0.216	0.123	0.007	-0.085
A015171_01		0.218 NA		0.228	0.248 NA	NA		0.126	-0.02
A015181_01		-0.174	-0.323	-0.193	-0.354	-0.467	-0.635	-0.018	-0.194
A015182_01		0.334	0.325	-0.13	0.024	0.658	0.902	0.087	-0.039
A015183_01		0.061 NA		0.205	-0.044 NA	NA		0.37	0.116
A015185_01		0.085	0.086	-0.108	-0.037	0.041	-0.046	-0.12	-0.123
A015187_01		-0.008 NA		-0.239	-0.234	-0.08	-0.045	0.371	0.373
A015190_01		0.265 NA	NA	NA		-0.209	-0.418 NA		-0.16

A015196_01	-0.083	-0.223	0.092	-0.065	-0.191	-0.268	0.128	0.194
A015197_01	0.101 NA		-0.24	-0.299	0.181	0.236	0.287	0.302
A015199_01	0.11 NA	NA	NA		-0.04	-0.084 NA	NA	
A015203_01	-0.008	-0.222	0.036	0.021	-0.842	-0.983	-0.144	-0.153
A015220_01	0.296	0.111	0.342	0.139	0.186	-0.006	-0.027	-0.177
A015223_01	0.031	0.186	-0.021	-0.18	0.236	0.297	0.15	0.098
A015232_01	0.005	0.006	-0.214	-0.095	0.275	0.221	0.278	0.123
A015235_01	-0.125	-0.6 NA		-0.265	-1.369	-1.852 NA	NA	
A015236_01	-0.023	-0.134	-0.204	-0.238	-0.169	-0.308	0.126	0.051
A015237_01	-0.294	0.027	-0.021	0.029	-0.611	-0.654	-0.086	-0.018
A015239_01	0.03	0.056	-0.176	-0.263	0.007	0.097	-0.121	-0.026
A015240_01	-0.092 NA		-0.144	0.019 NA		-0.718	-0.131	-0.167
A015243_01	0.321	0.151	0.134	-0.012	0.367	0.354	0.22	0.165
A015246_01	0.276 NA		0.161	0.087 NA	NA	NA	NA	
A015249_01	0.384	0.418	0.03	0.059	0.447	0.678	-0.015	-0.015
A015251_01	-0.25	-0.057	-0.241	-0.417	-0.09	0.204	-0.112	-0.048
A015257_01	0.13	0.11	0.524	0.374	-0.12	-0.271	-0.028	-0.111
A015260_01	0.336	0.142	0.443	0.394	0.375	0.477	0.096	0.026
A015263_01	0.417	0.463	-0.137	-0.032	-1.194	-1.675	0.026	0.014
A015264_01	0.252 NA		0.072	0.34 NA		-0.734 NA		-0.28
A015265_01	-0.061	-0.108	0.439	0.135	-0.027	-0.189	0.005	-0.195
A015266_01	0.135 NA		0.347	0.188 NA	NA	NA		-0.048
A015267_01	0.314 NA		-0.6	-0.299	0.127	0.001	0.136	-0.054
A015269_01	-0.031	0.094	0.157	-0.024	0.094	0.149	-0.026	0.232
A015271_01	0.272	0.031	-0.015	-0.207	0.284	0.151	0.235	0.008
A015272_01	-0.073	0.005	-0.163	-0.179	0.123	0.131	-0.041	-0.141
A015279_01	-0.239	-0.157	-0.436	-0.258	-0.526	-0.568	-0.394	-0.466
A015281_01	0.332	0.146	-0.192	-0.361	0.946	1.146 NA	NA	
A015283_01	0.058	0.188	0.111	0.231	-0.062	-0.121	-0.034	0.023
A015284_01	0.106	0.165	-0.101	-0.04	0.166	0.208	0.127	0.192
A015285_01	0.428	0.05	0.183	-0.176	0.113	-0.19	-0.115	-0.446
A015286_01	-0.248	-0.048	-0.12	-0.072	-0.931	-0.746	-0.387	-0.133
A015294_01	-0.046 NA		0.301	0.114 NA		-0.336	-0.014	-0.115
A015296_01	0.373	0.191	-0.015	-0.136	0.301	0.091	0.072	-0.103
A015301_01	-0.033 NA		0.135	-0.043	0.55	0.366 NA	NA	
A015302_01	-0.031	-0.124	-0.443	-0.101	-1.264	-1.266	-0.214	-0.259
A015313_01	0.162	-0.155	-0.575	-0.53	-0.302	-0.284	0.118	-0.121
A015314_01	-0.039	0.054	0.233	0.055	0.075	-0.206	0.072	-0.058
A015319_01	0.163	0.181	-0.214	-0.166	0.122	0.268	0.301	0.193
A015320_01	0.016 NA	NA	NA		0.162	0.228 NA	NA	
A015321_01	0.425	0.106	0.152	0.071	0.087	-0.107	-0.407	-0.494
A015323_01	0.091	0.019	-0.047	0.209	-0.369	-0.317	0.145	-0.206
A015331_01	-0.046	0.008	-0.189	-0.189	-0.471	-0.542	-0.275	-0.21
A015336_01	0.294	0.197	-0.495	-0.268	-0.066	-0.033	0.061	0
A015339_01	-0.801	-0.759	-0.44	-0.404	0.498	0.991	-0.175	-0.21
A015345_01	-1.671	-1.236	-1.501	-1.477	-1.603	-1.842	-2.702	-2.779
A015349_01	0.091	-0.057	-0.031	-0.335	0.294	0.208	0.07	0.058
A015351_01	0.102	0.41	-0.466	-0.377	0.629	0.786	-0.03	0.085
A015356_01	-0.242 NA		0.072	0.031	-0.268	0.253 NA		0.172
A015357_01	-0.09	-0.137	-0.067 NA		-0.152	-0.163 NA		0.158
A015360_01	0.121	0.105	-0.65	-0.551	0.417	0.337	0.516	0.514
A015361_01	0.198 NA		-0.11	-0.151	0.203	0.086	0.092	0.098
A015368_01	0.01	0.118	-0.201	-0.295	0.164	0.259	0.025	0.09
A015378_01	0.003	0.273	0.143	0.174	0.255	0.469	0.026	0.159
A015380_01	-0.522	-0.517	-0.11	-0.102	0.372	0.664	0.415	0.307
A015388_01	-0.004	-0.191	-0.1	-0.067	-0.186	-0.269	0.068	-0.131
A015394_01	0.443	0.402	0.12	0.266	0.179	0.106	-0.058	-0.2
A015397_01	-0.024 NA	NA		-0.347	0.073	-0.077 NA		0.083
A015404_01	0.063	0.069	-0.197	-0.072	-0.419	-0.409	-0.066	-0.144
A015414_01	0.276 NA		-0.06	-0.315	-0.056	-0.141	0.066	-0.046
A015422_01	0.151	-0.051	0.296	0.218	0.486	0.693	0.036	-0.105
A015423_01	0.482	0.034	-0.07	-0.025	0.002	-0.109	0.272	-0.179
A015431_01	-0.073	0.161	-0.12	-0.09	0.695	0.874	0.127	0.32
A015432_01	0.306	0.208	0.212	0.202	-0.26	-0.323	-0.031	-0.13
A015434_01	NA	NA	-0.028	-0.141	-0.28	-0.26	0.064	-0.042
A015435_01	-0.227 NA		0.044	-0.061 NA	NA		-0.029	0.092
A015439_01	-0.209	-0.202	-0.393	-0.435	0.287	0.451	0.402	0.417
A015442_01	0.075 NA	NA	NA		0.335	0.219 NA	NA	

A015444_01	-0.015	-0.341	0.028	-0.036	-0.249	-0.287	0.142	-0.203
A015445_01	0.275	0.254	0.068	0.004	0.23	0.195	0.132	0.161
A015446_01	0.476	0.38	-0.677	-0.677	-0.158	-0.109	-0.62	-0.505
A015447_01	0.433	0.316	-0.426	-0.23	-0.027	0.197	-0.069	-0.045
A015448_01	0.155	-0.159	0.076	-0.039	0.521	0.66	0.084	0.058
A015450_01	0.244	0.118	0.145	0.022	0.062	-0.151	0.201	-0.055
A015453_01	-0.33	-0.289	-0.074	-0.044	-0.544	-0.28	-0.184	-0.153
A015454_01	0.241	-0.017	0.442	0.336	0.528	0.368 NA		-0.123
A015455_01	-0.05 NA		-0.265	-0.223 NA		-0.405	0.094	-0.099
A015457_01	0.297	0.147	-0.043	-0.03	0.06	-0.103	0.141	-0.068
A015458_01	-0.138	-0.276	0.002	-0.203	-0.325	-0.518	-0.245	-0.262
A015462_01	0.14	-0.16	-0.023	-0.091	0.076	-0.025	0.115	-0.223
A015463_01	-0.751 NA		-0.894	-0.694	-0.645	-0.7	-0.522	-0.543
A015464_01	-0.235 NA		-0.148	-0.226	-0.655	-1.02 NA		-0.956
A015465_01	0.093	0.075	0.252	0.062	-0.496	-0.678	-0.26	-0.223
A015466_01	0.355	0.358	0.197	0.186	0.137	0.114	-0.149	-0.197
A015472_01	-0.177	-0.322	-0.046	-0.324	-0.605	-0.605 NA	NA	
A015473_01	-0.156	-0.218	-0.155	-0.256	-0.211	-0.098	0.159	0.1
A015474_01	-0.161	-0.326	0.02	-0.138	0.201	0.271	0.37	0.246
A015475_01	-0.015 NA		0.265 NA		-0.379	-0.571 NA	NA	
A015477_01	0.064 NA		0.05	-0.005	0.164	0.195	-0.145	-0.092
A015481_01	-0.126	-0.104	-0.095	-0.077	-0.043	0.068	0.18	0.052
A015483_01	-0.099	-0.335	-1.974	-1.953	0.47	0.664	-0.751	-0.92
A015484_01	-0.106	-0.086	-0.328	-0.186	-0.906	-0.895	-0.611	-0.473
A015487_01	0.148	0.131	-0.047	-0.239	0.297	0.268 NA		0.029
A015490_01	0.199 NA		0.135	-0.033 NA		0.022	0.392	0.021
A015492_01	-1.707	-1.557	-0.091	-0.167	-1.204	-1.165	-1.282	-1.365
A015493_01	-0.116 NA		0.285	0.148 NA	NA	NA		-0.309
A015498_01	0.225	0.407	-0.374	-0.519	0.457	0.587	-0.045	-0.074
A015504_01	0.528	0.506	-0.34	-0.309	0.422	0.428	-0.005	-0.199
A015505_01	NA	NA	0.222	0.212	-0.169	-0.282 NA		-0.411
A015508_01	0.33 NA		-0.28	-0.283	0.678	0.571	0.35	0.235
A015510_01	0.152	0.429	0.003	-0.007	0.311	0.611	0.051	0.215
A015511_01	0.524 NA		-0.002	-0.023	0.024	0.061 NA	NA	
A015513_01	0.152	0.172	-0.161	-0.277	0.128	0.221	0.134	0.235
A015519_01	0.286	0.287	0.08	-0.08	-0.009	-0.186	-0.034	-0.051
A015522_01	0.107	-0.235	-0.069	-0.253	-0.103	-0.285	0.27	-0.096
A015523_01	0.251	0.234	0.264	0.067	0.042	0.008	-0.062	-0.095
A015524_01	-0.471	-0.411	0.071	0.027	-0.443	-0.522	-0.044	0.05
A015530_01	-0.045	-0.126	0.047	0.082	-0.421	-0.689	0.239	-0.019
A015534_01	0.138	0.112	0.028	-0.411	0.521	0.704	0.291	0.6
A015536_01	-0.364	-0.332	0.066	-0.095	-0.081	0.047	-0.107	-0.022
A015539_01	-0.132	-0.106	-0.471	-0.342	-0.094	0.174	-0.186	-0.031
A015540_01	0.879	0.885	0.085	0.085	0.318	0.412	0.277	0.371
A015543_01	0.245	0.031	-0.427	-0.485	0.047	0.207	-0.373	-0.338
A015548_01	0.068	0.325	0.025	0.078	0.05	0.143	-0.287	-0.039
A015550_01	0.267	0.006	-0.105	0.103	0.024	0.09	0.063	-0.169
A015558_01	0.406	0.446	0.244	-0.11	-0.339	-0.587	-0.106	-0.053
A015563_01	0.042 NA		-0.03	-0.12 NA	NA	NA		-0.063
A015571_01	-0.122 NA		0.044 NA		0.034	0.115	0.422	0.225
A015576_01	-0.191 NA		-0.231	-0.014	-0.024	-0.103	-0.051	-0.003
A015578_01	-0.031 NA		0.096	0.093 NA		0.217 NA		-0.21
A015579_01	0.002	0.052	0.058	-0.301	-0.256	-0.395	-0.007	-0.069
A015585_01	-0.132	-0.33	-0.1	-0.098	-0.425	-0.545	-0.244	-0.306
A015586_01	-0.208	-0.217	-0.008	-0.229	-0.556	-0.511 NA		-0.242
A015587_01	0.253	0.174	0.19	-0.069	0.1	0.095	-0.167	-0.191
A015591_01	0.11	0.262	0.068	0.187	0.225	0.597	0.131	0.116
A015595_01	-0.055	-0.077	-0.291	-0.332	0.473	0.673	0.018	0.06
A015599_01	-0.221 NA		0.298	0.093	-0.779	-0.866	-0.141	-0.041
A015600_01	-0.192 NA		0.216	0.042 NA	NA	NA		-0.249
A015605_01	-0.031	-0.058	0.281	-0.073	-0.137	-0.26 NA	NA	
A015607_01	0.113	0.178	-0.142	-0.26	0.248	0.476	-0.002	0.119
A015608_01	0.586	0.765	-0.637	-0.41	0.26	0.364	-0.648	-0.417
A015613_01	-0.148	-0.267	0.119	0.122	-0.533	-0.805	-0.003	-0.203
A015616_01	0.294 NA		-0.031 NA		0.044	-0.065 NA		-0.018
A015617_01	0.26	0.36	-0.068	-0.198	0.198	0.163	0.078	0.127
A015619_01	-0.057	0.161	-0.047	-0.393	0.073	0.15 NA		0.036
A015625_01	0.031 NA		0.104	-0.013 NA		-0.3 NA	NA	

A015629_01	0.138	0.376	-0.109	-0.16	0.072	0.201	-0.228	0.222
A015634_01	-0.512	-0.426	-0.02	0.051	-0.146	0.001	-0.192	-0.256
A015635_01	-0.155 NA		0.233 NA	NA		0.057 NA	NA	
A015637_01	0.146 NA		0.149	-0.111 NA		0.196 NA	NA	
A015638_01	0.069 NA		0.171	-0.006 NA		0.259 NA	NA	
A015639_01	0.312	0.356	0.522	0.39	0.656	0.663	-0.164	-0.161
A015641_01	0	-0.023	-0.272	-0.086	0.343	0.646	0.391	0.149
A015643_01	0.289 NA		0.192	0.112	0.205	0.076 NA		-0.2
A015645_01	0.077	0.09	0.115	0.152	-0.091	-0.091 NA	NA	
A015646_01	-0.21	0.083	-0.241	-0.289	0.093	0.153	-0.003	0.2
A015647_01	0.054	0.108	-0.047	-0.345	0.264	0.29 NA		-0.161
A015648_01	0.057	0.261	0.213	0.124	0.063	0.068	-0.129	-0.133
A015649_01	0.26	0.237	0.116	0.063	0.272	0.296 NA		0.059
A015650_01	-0.015	0.03	0.117	0.073 NA		-0.053	-0.009	-0.205
A015651_01	-0.053	0.005	-0.261	-0.263	0.408	0.533	0.423	0.401
A015653_01	0.527 NA		0.277	0.219	0.546	0.305	0.189	-0.091
A015654_01	0.364	0.199	0.123	0.052	0.294	0.17 NA	NA	
A015658_01	0.07	0.123	0.109	0.046	0.498	0.554	0.144	0.044
A015659_01	-0.171 NA		0.082 NA		0.259	0.28 NA	NA	
A015660_01	-0.139	0.151	0	0.049	-0.024	0.149	-0.383	-0.269
A015662_01	-0.175 NA		-0.008	-0.257	-0.13	-0.325	-0.049	-0.138
A015663_01	-0.165	-0.23	-0.053	-0.306	-0.415	-0.353	0.063	0.04
A015665_01	-0.091 NA		-0.001	-0.108	0.219	0.214 NA		0.024
A015667_01	-0.168	-0.27	-0.446	-0.607	0.007	0.201	-0.163	-0.166
A015668_01	0.149	0.167	-0.089	-0.111	-0.112	-0.167	-0.142	-0.519
A015673_01	0.003	-0.043	-0.14	-0.149	-0.115	-0.131	0.103	-0.134
A015678_01	0.087	0.199	0.044	-0.063	-0.045	-0.075	-0.148	-0.124
A015679_01	0.263	0.256	-0.07	-0.02	0.305	0.487	0.012	-0.048
A015692_01	0.468	0.358	-0.001	-0.135	0.052	0.082 NA		0.567
A015697_01	-0.178	-0.175	0.05	-0.016	0.072	0.196	0.056	-0.219
A015703_01	0.306	-0.095	-0.111	0.01	-0.263	-0.289 NA	NA	
A015705_01	-0.099	0.327	0.071	0.012	-0.009	0.236	-0.082	0.424
A015707_01	0.361	0.297	0.065	0.035	0.466	0.407	0.196	0.232
A015713_01	-0.086 NA		-0.351	-0.299 NA		-0.124	0.442	0.087
A015716_01	0.27	0.131	0.135	0.057	0.431	0.153	0.22 NA	
A015723_01	-0.101	-0.115	-0.102	-0.259	0.164	0.264	0.17	0.074
A015724_01	0.082	-0.015	0.178	0.04	-0.302	-0.297	-0.191	-0.023
A015725_01	0.035	-0.072	-0.005	-0.047	0.357	0.427	0.058	0.034
A015733_01	0.451	0.748	0.163	-0.05	1.058	1.18	0.654	0.88
A015739_01	0.025	0.192	-0.216	-0.147	0.101	0.209	0.104	0.075
A015744_01	-0.029 NA		-0.175	-0.189 NA		0.236	0.054	-0.135
A015747_01	0.25 NA	NA		-0.055	0.234	0.256 NA		-0.049
A015750_01	NA	NA	-0.148	-0.341	-0.094	-0.144	0.178	0.034
A015753_01	0.196	-0.062	0.04	-0.063	-0.116	-0.386	0.23	-0.378
A015757_01	-0.328	-0.335	0.499	0.392	0.88	1.066	0.203	0.393
A015762_01	-0.327	-0.279	0.159	-0.168	-0.169	-0.189	0.147	0.184
A015763_01	0.296 NA		0.219	-0.038 NA	NA	NA		0.121
A015772_01	-0.427 NA		0.231	0.026 NA		-0.55 NA		-0.377
A015776_01	0.452	0.358	0.002	-0.124	0.268	0.185 NA		0.005
A015777_01	0.116	-0.066	0.202	-0.093	0.009	-0.053	-0.042	-0.242
A015778_01	0.407	0.471	0.135	0.172	0.015	-0.068 NA		-0.141
A015779_01	0.049 NA		0.341	0.109 NA		-0.054 NA		-0.052
A015780_01	0.018	0.096	-0.143	-0.426	-0.016	-0.07 NA		-0.062
A015790_01	0.133	0.198	0.106	-0.168	0.059	-0.055	-0.118	-0.047
A015793_01	NA	-0.315	-1.392 NA	NA		-0.971 NA	NA	
A015794_01	0.276	0.069	-0.078	-0.118	0.088	-0.019	0.054	-0.108
A015797_01	0.21	0.003	-0.441	-0.545	-0.821	-1.264	0.486	0.232
A015800_01	-0.156	-0.239	-0.188 NA		-0.138	-0.136 NA	NA	
A015805_01	0.299	0.205	-0.324	-0.315	-0.28	-0.302	0.148	0.082
A015822_01	0.039	0.238	-0.13	0.065	-0.488	-0.487	-0.056	0.193
A015825_01	0.21	0.129	-0.152	-0.198	-0.239	-0.419	0.007	-0.078
A015827_01	-0.121	-0.063	0.293	-0.049	-0.199	-0.344 NA		-0.22
A015833_01	0.325	0.265	-0.288	-0.207	-0.037	-0.246	0.375	0.324
A015835_01	NA	NA	0.593	0.532 NA		0.338	0.163	0.027
A015837_01	-0.326 NA		0.197 NA		-0.513	-0.649 NA	NA	
A015840_01	-0.107	-0.261	0.091	-0.055	-0.415	-0.624	-0.247	-0.421
A015841_01	NA	-0.024	0.034	-0.2 NA		-0.524 NA	NA	
A015843_01	0.222	0.285	0.279	-0.011	0.029	-0.136	-0.011	-0.017

A015844_01	0.293 NA		-0.085	-0.297 NA		-0.198	0.243	-0.081
A015850_01	0.071	0.165	-0.293	-0.347	-0.349	-0.342	-0.349	-0.272
A015856_01	0.255 NA		0.131	0.107	0.524	0.627 NA		-0.142
A015860_01	-2.577	-2.573	-1.866	-1.941	-3.518 NA	NA		-2.334
A015861_01	-0.007 NA		0.268	0.119 NA		-1.463 NA		-0.294
A015862_01	0.053 NA		0.063	-0.036 NA	NA		0.009	0.001
A015864_01	-0.308 NA		-0.297 NA	NA		-1.385 NA	NA	
A015866_01	0.827	0.664	-0.298	-0.179	0.288	0.35	-0.479	-0.407
A015870_01	0.19	0.158	-0.32	-0.435	0.003	0.004	0.449	0.478
A015874_01	0.569 NA		0.44	0.174	0.597	0.362	0.021	-0.156
A015876_01	-0.103	-0.036	-0.131	-0.076	-0.101	0.016 NA	NA	
A015877_01	-0.757 NA		0.526	0.538	-1.05	-1.442 NA		-0.723
A015878_01	-0.156	-0.201	-0.069	0.089	0.103	0.203	0.024	-0.188
A015879_01	0.424 NA		0.162	-0.178	0.365	0.17	0.408	0.157
A015881_01	0.06	-0.216	0.109	0.073	-0.186	-0.277	0.08	-0.112
A015882_01	-0.12	-0.278	0.096	-0.167	-0.122	-0.279 NA		-0.155
A015883_01	0.068	0.009	-0.022	0.146	0.51	0.749	0.095	0.044
A015892_01	0.117	0.04	0.092	0.179	0.178	0.181	0.137	-0.039
A015893_01	-0.336	-0.154	-0.194	-0.05	-0.087	-0.111	0.04	0.196
A015895_01	-0.441	-0.558	0.166	-0.019	-0.255	-0.301	-0.084	-0.141
A015896_01	0.157	0.057	0.173	0.175	-0.182	-0.269	-0.352	-0.322
A015900_01	0.215	0.173	0.088	0.058	0.392	0.247	0.286	0.029
A015904_01	-0.087	0.06	0.271	0.271	0.305	0.351	-0.082	0.167
A015905_01	-0.394 NA		0.962	0.806	0.604	0.831	-0.604	-0.701
A015906_01	0.275	0.038	-0.101	0.052	-0.018	0.049 NA		-0.259
A015910_01	0.129	-0.093	-0.148	-0.04	0.07	0.032	0.193	-0.071
A015913_01	0.315	0.154	0.069	-0.084	0.219	0.275	-0.24	-0.313
A015916_01	0 NA		0.13	-0.298	0.287	-0.066 NA		-0.051
A015922_01	0.187	-0.177 NA	NA	NA		-1.425 NA	NA	
A015923_01	0.303	0.123	0.259	0.057	0.055	-0.177	-0.201	-0.345
A015929_01	0.049 NA		0.115	0.027 NA		-0.911	0.013	-0.042
A015930_01	0.189 NA		0.17	0.094 NA		-0.081 NA		-0.322
A015936_01	-0.13	-0.339	-1.831	-1.653	-0.848	-0.704 NA	NA	
A015938_01	0.516	0.571	-0.067	-0.265	-0.41	-0.753 NA		-0.841
A015940_01	-0.156 NA		-0.202	-0.398	-0.443	-0.743 NA		-0.602
A015941_01	-0.342	-0.505	-0.176	-0.237	-0.141	-0.25 NA	NA	
A015946_01	-0.057	-0.034	-0.138	-0.248	-0.055	-0.078 NA		-0.004
A015948_01	-2.111	-1.75	-1.191	-1.181	-2.65	-3.136 NA	NA	
A015954_01	-0.068	-0.197	-0.052 NA		0.38	0.365 NA	NA	
A015955_01	0.412	0.14	0.214	0.058	0.308	0.316	-0.181	-0.304
A015956_01	-0.054	-0.099	-0.039	-0.112	-0.076	0.111	0.06	0.075
A015958_01	0.34	0.362	0.026	0.254	0.257	0.27	-0.167	-0.376
A015959_01	-0.011	0.131	0.172	0.05	0.323	0.364	-0.131	-0.124
A015962_01	0.308	0.297	0.211	0.172	0.167	0.114	0.101	0.099
A015963_01	0.429	0.103	0.087	-0.203	0.444	0.487	0.134	0.095
A015967_01	-1.17	-0.907	1.001	0.751	1.245	1.678	0.742	0.783
A015968_01	-0.065	-0.021	0.021	-0.122	0.047	-0.079	0.098	-0.061
A015972_01	0.22 NA		-0.015	-0.078 NA	NA		0.028	-0.175
A015973_01	0.383	0.258	0.323	0.1	0.509	0.254	0.034	-0.052
A015977_01	0.36	0.432	0.374	0.212	0.472	0.338	-0.152	-0.195
A015979_01	0.172	0.042	-0.038	-0.078	0.174	0.135	-0.003	-0.017
A015980_01	-0.203	-0.086	1.013	0.792	0.38	0.224	0.009	0.027
A015982_01	-0.529	-0.41	-0.073	-0.03	-1.117	-1.182	-0.327	-0.329
A015984_01	0.303	0.225	-0.442	-0.561	0.486	0.662	0.194	0.266
A015986_01	0.224 NA	NA		0.204 NA		-0.029 NA	NA	
A015987_01	0.049	0.176	-0.057	-0.12	-0.324	-0.364	-0.037	0.061
A015988_01	-0.058	-0.051	-0.012	-0.163	-0.16	-0.282 NA	NA	
A015990_01	-0.019 NA		0.04 NA		0.288	0.162 NA		0.021
A015995_01	0.342	0.004	0.162	-0.022	-0.844	-0.895	-0.191	-0.261
A015996_01	-0.012 NA		0.258	0.185 NA	NA		0.033	0.034
A015997_01	-0.421	-0.39	-0.246	-0.187	-0.393	-0.363	-0.338	-0.333
A015998_01	0.146	-0.002	0.455	0.21	-0.129	-0.335 NA		-0.286
A016000_01	0.265	0.194	0.116	-0.048	0.158	0.022	0.013	-0.082
A016011_01	0.195	0.038	-0.006	-0.185	0.251	0.084	0.116	-0.002
A016012_01	-0.161	-0.267	0.198	0.252	-0.446	-0.592	0.093	-0.215
A016019_01	-0.185	-0.125	0.022	0.063	-0.266	-0.417	0.082	0.133
A016020_01	-0.075 NA		0.065	-0.147 NA	NA		-0.042	0.007
A016021_01	0.163	0.059	-0.028	0.019	0.126	-0.003	0.218	0.14

A016022_01	-0.003	-0.007	-0.147	-0.113	0.146	0.258	-0.035	0.003
A016023_01	-0.12	-0.108	-0.032	-0.126	-0.05	-0.265	0.043	0.159
A016028_01	0.102	-0.04	-0.708 NA		0.386	0.46 NA		0.239
A016029_01	-0.183	-0.211	-0.077	-0.271	0.262	0.175	0.327	0.335
A016033_01	0.233 NA		-0.089	0.023 NA	NA		0.215	0.248
A016034_01	0.513	0.6	-0.227	-0.095	-1.32	-1.697	-0.5	-0.455
A016035_01	-0.224	-0.251	-0.025	-0.129	-0.121	-0.244	0.046 NA	
A016041_01	0.321	0.166	0.182	-0.016	0.203	0.077 NA	NA	
A016044_01	-0.077 NA		-0.123	-0.212 NA	NA		-0.105	0.108
A016046_01	-0.164	-0.165	0.211	0.029	-0.392	-0.579	-0.001	0.144
A016047_01	-0.256	-0.302	-0.069	-0.022	-0.434	-0.475	0.322	0.242
A016048_01	-0.091	-0.088	0.164	0.112	0.408	0.536	0.188	0.1
A016051_01	0.657	0.463	0.277	0.039	0.989	0.944 NA		-0.09
A016052_01	0.092	-0.025	0.01	0.031	-0.226	-0.322	0.099	-0.058
A016055_01	0.246	0.15	-0.163	-0.322	0.149	0.326	0.053	0.21
A016059_01	0.156	0.234	0.079	0.054	0.237	0.196	0.184	0.104
A016062_01	-0.253	-0.537	-0.125	0.084	-0.481	-0.418	-0.151	-0.251
A016066_01	-0.168	-0.117	-0.13	-0.294	-0.274	-0.286	0.029	0.072
A016068_01	0.402 NA	NA		-0.238 NA		-0.16 NA		-0.18
A016069_01	-0.146	-0.059	-0.048	0.041	-0.231	-0.307	0.098	0.036
A016070_01	0.065	0.053	0.192	-0.067	0.2	0.002	0.125	0.023
A016072_01	0.151	0.16	-0.067	-0.091 NA		-0.135	0.147	0.026
A016073_01	-0.071	-0.127	-0.333	-0.305	-0.298	-0.525	0.105	0.166
A016075_01	0.306	0.243	0.144	-0.023	-0.382	-0.615	0.054	0.004
A016083_01	-1.177	-0.974	-0.938	-1.279	-1.517	-1.783	-1.152	-1.058
A016095_01	0.292	0.233	0.179	0.178	-1.055	-1.352	-0.087	-0.097
A016099_01	-0.069	-0.21	-0.029	0.111	-0.153	-0.264	0.315	0.035
A016101_01	0.3	0.125	0.122	0.044	0.011	0.016	0.021	0.018
A016103_01	0.182	0.258	-0.084	0.056	-0.372	-0.424	-0.101	-0.085
A016104_01	-0.158	-0.135	-0.124	-0.135	-0.112	-0.19	0.053	0.062
A016105_01	-0.155	-0.045	-0.025	-0.212	-0.045	-0.143	0.085	0.069
A016108_01	-0.266	-0.136	0.054	-0.121	-0.065	-0.02	-0.355	-0.283
A016113_01	-0.085	0.128	-0.126	-0.131	-0.435	-0.213	-0.091	0.234
A016117_01	0.233	0.239	0.115	0.058	-0.13	-0.133	-0.22	-0.127
A016119_01	0.252	0.006	0.355	0.288	-0.906	-1.306	-0.051	-0.269
A016120_01	0.178	-0.208	-0.34	-0.047	-0.431	-0.507 NA		-0.236
A016123_01	-0.127	-0.17	0.337	-0.308	0.24	0.062	0.044	0.198
A016125_01	-0.045	-0.138	0.138	0.183	0.234	0.198	-0.133	-0.014
A016126_01	-0.047	-0.085	-0.374	-0.141	-0.296	-0.162	-0.031	0.238
A016127_01	0.33 NA	NA		0.139 NA	NA	NA	NA	
A016130_01	-0.053	-0.268	-0.086	-0.31	-0.139	-0.538	0.213	-0.145
A016131_01	0.142	-0.017	-0.125	-0.243	-0.083	0.024	-0.061	0
A016134_01	-0.132 NA		-0.243 NA		-0.344	-0.163 NA	NA	
A016139_01	0.126 NA		-0.012	0.028 NA		-0.012	-0.117	-0.098
A016141_01	0.591	0.444	0.33	0.208	0.277	0.085	-0.076	-0.311
A016147_01	0.466	0.489	0.529	0.453	-0.035	-0.243	-0.697	-0.699
A016148_01	0.114	0.656	-0.469	-0.26	0.19	0.359	-0.308	0.072
A016157_01	0.251	0.214	-0.192	-0.098	-0.013	-0.052	0.214	0.171
A016163_01	-0.017	-0.045	-0.085	0.015	-0.347	-0.261	-0.182	-0.114
A016169_01	0.033 NA		0.174	0.091	0.253	0.494	0.101	0.099
A016172_01	0.15	0.251	0.019	-0.083	0.397	0.531	0.122	0.195
A016173_01	-0.174	-0.362	-0.479 NA		0.029	0.234 NA	NA	
A016174_01	-0.151	0.037	-0.25	-0.08	-0.085	0.126	0.197	0.138
A016175_01	-1.447	-1.268	-0.141	-0.196	-1.636	-1.609	-0.567	-0.483
A016177_01	-0.787 NA		0.101	-0.008	-0.131	-0.281 NA	NA	
A016183_01	-0.049	-0.187	-0.274	-0.237	-0.185	0.014	0.178	0.305
A016186_01	0.161	0.07	0.091	0.044	0.628	0.701	-0.1	-0.187
A016187_01	-0.293	-0.113	-0.027	0.029	-1.005	-1.082	-0.349	-0.189
A016191_01	-0.202	-0.102	-0.234	-0.319 NA		-0.214	0.159	0.179
A016192_01	0.22 NA		0.07	0.117 NA		0.119	0.158	-0.193
A016193_01	0.293	0.57	0.133	0.162	-0.932	-0.983	-0.231	-0.071
A016195_01	0.198	-0.045	-0.156	-0.037	0.114	0.091 NA		-0.19
A016197_01	-0.097	-0.187	-0.37	-0.423	-0.273	-0.142	0.054 NA	
A016198_01	-0.282	0.01	0.122	0.313	-0.971	-0.994	-0.185	-0.31
A016199_01	0.22	0.135	0.449	0.356	0.286	0.113	-0.177	-0.298
A016201_01	-0.4	-0.348	-0.045	0.152	-0.272	-0.159	0.002	0.203
A016202_01	-0.018	0.164	-0.132	-0.161	-0.493	-0.678	0.312	0.309
A016207_01	-0.018	-0.027	0.175	0.253	0.075	0.139	-0.141	0.003

A016209_01	0.162	0.324	0.165	0.352	-0.228	-0.237	-0.052	-0.039
A016210_01	0.228	0.035	-0.482	-0.419	-0.442	-0.619	0.202	0
A016211_01	-0.196	-0.142	-0.232	-0.079	0.507	0.804	0.301	0.536
A016215_01	-0.323	-0.429	-0.179	-0.321	-0.148	-0.201	-0.225	-0.04
A016216_01	-0.489 NA		0.468	0.233	0.531	0.703	-0.112	-0.119
A016221_01	-0.04	0.355	-0.143	-0.215	0.235	0.446	-0.034	0.381
A016222_01	0.318	0.32	0.25	0.201	0.063	0.046	-0.378	-0.471
A016226_01	-0.006	0.125	-0.811	-0.444	0.182	0.389	-0.468	-0.661
A016227_01	-0.041	-0.083	0.627	0.477	0.134	0.114	-0.313	-0.364
A016229_01	-0.049	0.26	0.079	0.222	0.488	0.831	-0.089	-0.041
A016232_01	0.139 NA		0.07	-0.024	-0.105	-0.131 NA	NA	
A016233_01	-0.012	0.181	0.015	-0.086	-0.311	-0.442	-0.295	-0.192
A016234_01	0.174 NA		0.189	0.364	0.183	0.301 NA	NA	
A016238_01	-1.324	-0.77	0.603	0.722	1.098	1.789	0.364	0.47
A016240_01	0.19 NA		0.007 NA		0.259	0.212 NA		0.016
A016244_01	-0.026	0.121	-0.445	-0.219	-0.09	0.134	-0.015	0.075
A016247_01	0.031	-0.01	0.335	0.062	0.351	0.347	-0.164	-0.21
A016250_01	-0.25	0.019	-0.002	-0.206	0.086	0.366	-0.053 NA	
A016255_01	0.348	0.064	-0.059	-0.044	0.433	0.487	-0.217	-0.282
A016260_01	0.071	-0.043	-0.083	-0.235	-0.04	-0.168	0.103	-0.086
A016266_01	0.697	0.363	-0.033	0.081	0.502	0.601	0.1	-0.187
A016267_01	-0.013	-0.04	0.199	-0.022	0.091	0.227	-0.099	-0.041
A016269_01	0.28	0.299	0.449 NA		0.165	0.218 NA	NA	
A016271_01	0.107	-0.024	-0.146	-0.216	0.077	0.059	0.096	-0.145
A016272_01	0.281	0.289	-0.154	-0.359	0.056	0.123 NA		0.035
A016274_01	0.229 NA		0.071	-0.051 NA		-0.209	0.199	0.258
A016275_01	0.185	0.248	-0.101	-0.125	0.261	0.335	0.009	0.224
A016278_01	0.062	0.192	-0.803	-0.53	0.374	0.606	0.401	0.589
A016281_01	0.257	0.126	0.171	0.186	0.257	0.283	0.233	0.336
A016282_01	0.052 NA		0.062 NA		0.455	0.668 NA	NA	
A016283_01	0.324	0.197	0.326	0.187	-0.449	-0.585	-0.061	-0.108
A016285_01	-0.055	-0.247	-0.226	-0.437	-0.483	-0.695	0.018	-0.206
A016286_01	0.339	0.319	0.304 NA	NA		0.097 NA	NA	
A016291_01	0.077	0.096	0.12	0.171	0.13	0.282	0.017	-0.018
A016297_01	-0.281	0.133	-0.5	-0.519	-0.085	-0.007	0.079	0.333
A016301_01	0.07 NA		0.314	0.292	-0.479	-0.625	-0.222	-0.186
A016303_01	-0.269	-0.295	0.039	0.267	-0.245	-0.21	0.079	-0.013
A016306_01	-0.526	-0.372	0.031	-0.013	-0.019	0.062	0.166	0.077
A016309_01	-0.127	-0.01	0.053	0.005	-0.457	-0.467	-0.066	-0.173
A016312_01	0.267	0.003	0.056	-0.08	0.171	0.085	0.069	-0.06
A016314_01	-0.159	-0.186	0.155	0.049	0.237	0.106	0.302	0.235
A016316_01	0.039	0.018	0.085	0.113	-0.575	-0.611 NA	NA	
A016317_01	-0.076	-0.005	-0.088	-0.132	-0.301	-0.433	0.194	0.17
A016319_01	-0.285	-0.214	-0.622	-0.502	-0.971	-1.244	-0.315	-0.487
A016320_01	-0.104	-0.041	-0.296	-0.257	-0.036	0.131	0.13	0.178
A016321_01	0.164	0.079	0.373	0.168	0.8	0.68	0.476	0.253
A016322_01	-0.038	-0.007	-0.753	-0.756	-0.535	-0.526	0.095	0.33
A016323_01	0.132	-0.004	-0.005	-0.095	0.467	0.593	0.059	-0.18
A016324_01	-0.415	-0.183	-1.3	-0.973	-0.457	-0.393	-0.397	-0.48
A016325_01	-0.005	0.026	0.018	0.088	0.013	-0.092	0.153	0.129
A016327_01	0.135	0.131	0.148	0.003	0.126	-0.038	0.095	-0.067
A016330_01	0.207	-0.009	0.161	-0.218	0.136	-0.062	0.12	-0.174
A016331_01	-0.157	-0.084	-0.317	-0.166	-0.037	0.185	-0.258	-0.056
A016332_01	0.119	0.438	-0.904 NA		-0.275	0.023 NA		0.752
A016333_01	0.193 NA	NA	NA		0.333	0.364 NA	NA	
A016335_01	-0.035	-0.294	-0.169	0.022	-0.927	-1.079	-0.029	-0.393
A016337_01	0.286	0.399	0.356	0.233	0.455	0.335	-0.498	-0.216
A016340_01	-0.165	-0.183	-0.195 NA		0.01	0.031 NA	NA	
A016344_01	-0.25	-0.241	-0.112	-0.009	-0.554	-0.675	-0.085	-0.264
A016347_01	0.075 NA		-0.205	-0.213 NA	NA		0.433	0.267
A016351_01	0.17	0.064	-0.181	-0.224	0.254	0.147	0.136 NA	
A016354_01	0.205 NA		0.275	-0.063	0.322	0.2 NA		0
A016359_01	0.508	0.252	-0.135	0.048	-0.206	-0.282	0.032	-0.172
A016360_01	-0.128	0.097	0.057	-0.11	-0.094	-0.121	0.035	0.153
A016362_01	0.09	-0.238	0.077	0.008	-0.562	-0.708	-0.098 NA	
A016363_01	0.295	0.135	0.258	0.177	-0.094	-0.222	0.025	-0.277
A016364_01	-0.249	-0.192	-0.678	-0.754	-0.369	-0.321	-0.417	-0.464
A016367_01	0.184	0.257	-0.082	-0.011	-0.014	-0.032	0.163	0.132

A016368_01	0.865	0.842	-0.65	-0.655	-0.559	-0.789	0.509	0.531
A016369_01	0.218	0.265	-0.109 NA		0.021	0.034	0.028 NA	
A016370_01	0.098	0.119	0.146	0.06	0.32	0.338	0.257	0.312
A016372_01	-0.059	0.178	-0.197	-0.534	-1.174	-1.304 NA		0.011
A016373_01	0.347 NA		-0.311	-0.183	-0.378	-0.624	0.386	0.146
A016374_01	-0.137 NA		0.067	-0.009	0.015	0.259	-0.202	-0.036
A016376_01	-0.288	-0.278	0.05	-0.127	-0.313	-0.397	0.02	0.068
A016378_01	0.35	0.035	-0.024	-0.194	0.169	0.298 NA		-0.04
A016380_01	0.016 NA		-0.369	-0.459	0.221	0.289	0.524	0.398
A016382_01	0.176 NA		0.264	0.156 NA		-0.139	0.108	0.029
A016383_01	0.026	0.176	-0.064	-0.197	0.034	0.038	0.087	0.136
A016384_01	-0.019	-0.176	-0.054	-0.122	-0.379	-0.477	0.016	-0.042
A016385_01	0.229 NA		-0.408	-0.511	0.158	0.111	0.398	0.095
A016390_01	-0.055	-0.164	-0.015	0.037	-0.205	-0.032	0.158	0.136
A016393_01	0.607	0.47	0.704	0.523	0.868	0.609	0.163	0.252
A016394_01	0.38	0.179	0.181	-0.032	-0.001	-0.105	-0.096	0.029
A016399_01	-0.212	-0.381	-0.217	-0.172	0.183	0.293	0.048	-0.133
A016402_01	-3.033	-2.37	-1.094	-1.355	0.708	1.493	-0.334	0.473
A016407_01	0.306 NA		0.208	0.144	0.26	0.163	0.035	-0.024
A016408_01	NA	NA	0.204	-0.191	-0.205	-0.275	0.292	0.106
A016411_01	-0.011	0.226	-0.303	-0.209	0.448	0.649	0.031	0.233
A016412_01	0.173	0.041	0.183	0.071	-0.259	-0.46	0.223	0.02
A016416_01	0.797	0.682	-0.456	-0.666 NA		-0.12	0.542	0.346
A016417_01	-0.039	0.043	-0.042	-0.177	0.11	-0.1	-0.086	-0.204
A016419_01	-0.074 NA		0.176	0.095 NA	NA		-0.211	0.096
A016420_01	-0.149	-0.123	-0.391	-0.03	-0.603	-0.576	0.355	0.427
A016421_01	0.023 NA		0.162	0.327 NA		-0.485	-0.033	-0.166
A016422_01	-0.004 NA		-0.034	-0.116 NA		-0.253	-0.086	-0.088
A016423_01	0.056	0.164	-0.023	-0.064	0.258	0.432	0.119	0.168
A016425_01	0.282	0.36	-0.041	-0.18	0.316	0.334	0.427	0.413
A016426_01	0.113	0.214	-0.103	-0.099	0.032	0.298	-0.098	0.2
A016431_01	0.126	-0.317	0.137	0.298	0.566	0.753	0.343	0.075
A016432_01	0.272	-0.036	0.04	-0.173	-0.014	-0.121	0.169	-0.001
A016442_01	0.412	0.01 NA	NA		0.839	0.554 NA		-0.052
A016443_01	-0.095	-0.108	-0.032	-0.075	0.045	0.134	-0.075	-0.219
A016444_01	0.179 NA		-0.142	-0.19 NA		-0.412	0.271	0.001
A016446_01	-3.439	-2.282 NA		-4.309	-1.79	-1.286	-2.756 NA	
A016447_01	-0.166 NA		0.294	0.143 NA	NA		-0.099	-0.331
A016449_01	0.393 NA		0.28	-0.016 NA		0.159 NA		-0.118
A016453_01	-0.111	-0.082	0.224	0.255	-0.726	-1.147	-0.205	-0.277
A016456_01	0.175 NA		0.396	0.145 NA	NA	NA		0.131
A016458_01	0.097	0.045	-0.295	-0.108	-0.018	0.049	0.202	0.13
A016459_01	-0.017 NA		0.303	0.174	-0.225	-0.588 NA		-0.296
A016460_01	0.042	-0.032	0.235 NA		0.142	0.008 NA	NA	
A016462_01	-0.646	-0.693	0.888	0.893	1.377	1.923	0.577	0.38
A016463_01	0.163	0.122	-0.054	-0.053	0.26	0.333	-0.506	-0.682
A016465_01	0.238	0.238	0.248	0.029	0.336	0.338	-0.14	-0.078
A016466_01	-0.377 NA		-0.332	-0.353	-0.197	-0.42 NA	NA	
A016472_01	0.262	0.33	0.352 NA		0.441	0.6 NA	NA	
A016473_01	0.222	0.281	-0.101	-0.329	0.633	0.793	0.503	0.618
A016476_01	-0.788	-0.809	1.248	1.107	1.031	1.351	0.463	0.172
A016478_01	0.122	0.052	-0.062	-0.097	-0.057	-0.445	0.23	0.113
A016483_01	0.189 NA		-0.095	-0.015	-0.186	-0.216	0.235	0.086
A016484_01	-0.3	-0.47	-0.001	-0.083	-0.979	-0.893	-0.302	-0.545
A016494_01	0.043	-0.257	0.067	0.052	0.257	0.233 NA	NA	
A016502_01	-0.121	-0.083	-0.239	-0.182	-0.03	0.016	0.054	0.079
A016509_01	-0.342 NA		-0.362	-0.491	0.409	0.603 NA	NA	
A016510_01	-0.435	-0.502	0.092	-0.14	0.133	0.341	-0.336	-0.248
A016511_01	-0.109	0.073	0.183	-0.028	0.114	0.135	0.098	0.013
A016514_01	-0.122 NA		-0.046	-0.184 NA		0.068 NA		-0.133
A016516_01	0.243	0.288	0.082	-0.06	0.096	-0.022	-0.153 NA	
A016520_01	0.351 NA		0.18 NA	NA	NA	NA		0.513
A016536_01	-0.079 NA		-0.229	-0.263	0.372	0.707	-0.271	-0.046
A016553_01	0.053	0.105	0.064	-0.074	0.259	0.387	-0.058	0.057
A016565_01	-0.283	-0.272	-0.1	0.026	-0.237	0	0.046	-0.13
A016567_01	-0.315 NA		0.229	-0.174 NA	NA		0.273	0.235
A016575_01	0.283	0.298	0.105	-0.163	0.894	1.305	-0.352	-0.239
A016578_01	-1.096	-1.047	1.067	1.083	1.215	1.594 NA		0.172

A016580_01		-0.101	-0.055	-0.141	-0.103	0.123	0.372	0.05	0.004
A016585_01		-0.289	-0.133	0.095	-0.005	-0.467	-0.697	0.192	0.106
A016586_01		-0.144 NA		-0.425	-0.287	0.405	0.631	0.332	0.217
A016588_01		-0.514	-0.538	1.247	0.928	1.666	2.144	0.615	0.769
A016591_01		-0.215 NA		-0.279 NA		0.033	0.139 NA		-0.036
A016592_01		0.022 NA		0.154 NA		0.136	0.107 NA	NA	
A016597_01		0.083	-0.123	-0.514	-0.32	-0.086	0.025	0.029	-0.092
A016605_01		0.065	0.121	0.092	-0.118	0.245	0.168	-0.048	-0.157
A016612_01		0.31	0.072	-0.326	-0.37	0.124	-0.036	0.276	0.238
A016615_01		-0.43	-0.232	-0.154	-0.044	1.257	1.623	0.746	1.07
A016618_01		0.005	-0.129	-0.151	-0.24	0.764	0.75	0.401	0.433
A016623_01		-0.173	-0.01	-0.01	-0.004	-0.068	0.091	-0.086	0.175
A016625_01		-0.195	-0.271	-0.26	-0.288	-0.538	-0.581	-0.019	-0.145
A016628_01		0.041	-0.032	-0.122	-0.405	0.297	0.665 NA		-0.207
A016631_01		-0.151	-0.122	-0.013	0.069	-0.025	0.035	0.07	0.061
A016633_01		0.031 NA		-0.054	-0.433 NA		-0.004	0.072	-0.026
A016638_01		0.097	0.052	0.047	0.045	0.311	0.399	0.173	0.102
A016644_01		0.687	0.278	0.575	0.194	0.655	0.527 NA		-0.17
A016645_01		0.481 NA		0.179	-0.228	0.468	0.298 NA		0.03
A016649_01		0.315	0.143	-0.018	-0.104	0.072	0.002	0.006	-0.154
A016650_01		-0.203 NA		-0.195	-0.275	0.125	0.247	0.031	-0.145
A016651_01		0.364	0.113	-0.045	-0.23	0.184	0.127	0.053	-0.101
A016652_01		-0.138	-0.154	-0.436	-0.591	0.297	0.476	0.072	0.002
A016656_01		0.239	0.12	-0.244	-0.19	0.227	0.338	0.217	0.095
A016658_01		0.192 NA		0.148	0.162 NA		0.12	0.308	-0.001
A016661_01		0.462 NA		0.318	0.297 NA		-0.467	0.014	-0.109
A016662_01		0.032 NA		-0.12	-0.357	-0.058	-0.19	-0.03	-0.023
A016664_01		-0.055	-0.012	-0.081 NA		0.024	-0.016 NA		0.12
A016665_01	NA	NA		-0.202	-0.075 NA		-0.59	-0.077	-0.224
A016673_01		0.244	0.03	-0.134	-0.078	0.053	-0.278	-0.011	-0.373
A016676_01		-1.029 NA		-0.214	-0.212	-0.95	-1.072	-0.731	-0.86
A016682_01		0.215	0.165	-0.061	-0.016	0.439	0.544	0.014	-0.04
A016696_01		0.329	0.071	-0.187	-0.231 NA		0.182	0.253	-0.071
A016697_01		0.212	0.217	0.183	0.115	-0.148	-0.084 NA		-0.198
A016703_01		-0.029	0.038	-0.062	-0.026	0.165	0.288	0.119	0.119
A016705_01		-0.504 NA	NA		-0.182	0.158	0.4 NA		0.317
A016715_01		-0.083	0.119	-0.166	-0.282	0.219	0.331	0.067	0.3
A016721_01		-0.027	0.162 NA	NA		0.057	0.008 NA	NA	
A016723_01		-0.031 NA		0.48	0.379 NA		-0.906	-0.089 NA	
A016728_01		-0.015	-0.165	-0.261	-0.273	-0.296	-0.387	-0.228	-0.544
A016731_01		-0.094	0.115	-0.076	-0.157	0.392	0.554	0.224	0.283
A016735_01		0.092	0.005	0.246	0.105	0.282	0.282	-0.1	-0.215
A016736_01		-0.372	-0.578 NA	NA		-0.602	-0.608 NA	NA	
A016738_01		0.057 NA		0.201	0.258	0.181	0.341 NA		-0.348
A016740_01		0.328	0.106	0.198	0.049	0.227	-0.065	0.194	-0.073
A016742_01		-0.138	-0.048	0.221	0.123	-0.06	0.094	-0.12	-0.141
A016750_01		-0.161 NA		0.012	-0.109	-0.282	-0.394	0.219	0.195
A016751_01		-0.252	-0.214	0.098 NA		-0.096	0.042	0.152	0.306
A016752_01		0.245	0.037	0.172	0.045	0.255	0.096	0.145	-0.048
A016754_01		-0.789	-1.128 NA		-1.196	-1.452	-1.48 NA	NA	
A016756_01		0.056	-0.062	0.024	-0.124	-0.001	-0.197	0.142	0.119
A016761_01		0.142	0.371	-0.165	-0.13	0.374	0.491	0.115	0.215
A016762_01		-0.034	-0.137	0.519	0.404	1.333	1.625	0.447	0.316
A016767_01		-0.062	-0.156	-0.241	-0.22	-0.248	-0.06	0.024	0.045
A016786_01		0.237 NA		0.344	-0.001 NA		-0.063 NA		-0.324
A016794_01		0.269 NA		-0.211	-0.103	0.302	0.087	0.311	0.22
A016797_01		-0.009	-0.01	-0.083	0.019	0.194	0.265	0.113	0.005
A016803_01		-0.036	0.034	0.253	0.406	0.056	0.154 NA	NA	
A016804_01		0.125	0.089	-0.085	-0.317	0.28	0.043	0.431	0.268
A016809_01		0.155	0.012	0.084	0.037	-0.123	-0.234 NA	NA	
A016812_01		-0.066	-0.16	-0.02	-0.017	0.071	0.013	-0.184	-0.213
A016813_01		0.238 NA		-0.023	-0.269 NA		-0.44	-0.112	-0.051
A016817_01		0.104	0.053	-0.451	-0.251	0.157	0.121	0.267	0.094
A016820_01		0.4	0.18	0.301	0.24	0.519	0.488	0.218	-0.01
A016827_01		-0.083 NA		-0.39	-0.6	0.1	0.024	-0.196	-0.117
A016830_01		0.222	0.256	0.145	0.083	0.301	0.343	-0.048	-0.109
A016832_01	NA		-0.399	-0.337	-0.166	-0.03	0.139	0.287	0.441
A016836_01		-0.138	-0.123	-0.138	-0.184	0.758	1.004	0.388	0.19

A016838_01	0.221	-0.037	-0.48	-0.65	-0.015	0.057	0.171	0.234
A016839_01	0.222	0.095	-0.08	-0.208	0.831	0.843	0.46	0.279
A016845_01	-0.161 NA		0.437	0.392 NA	NA		-0.101	-0.087
A016847_01	-0.625	-0.82	0.217	0.269	0.32	0.546 NA	NA	
A016851_01	0.195 NA		-0.128	0.042 NA		-0.416 NA		0.053
A016853_01	-0.579	-0.162	0.104	0.21	0.186	0.413	-0.139	-0.085
A016860_01	-0.676 NA		0.046 NA		-0.233	-0.274 NA	NA	
A016868_01	0.313	0.105	0.245	0.014 NA		-0.032	-0.055 NA	
A016869_01	-0.329	-0.274	-0.195	-0.218	-0.516	-0.598	-0.004	-0.012
A016873_01	-0.075	-0.189	-0.035	-0.015	-0.201	-0.262	0.174	-0.228
A016875_01	0.121	-0.03	-0.048	-0.11	0.063	0.008	0.161	0.125
A016880_01	0.316	0.336	0.108	0.097	-0.025	-0.338	0.029 NA	
A016883_01	0.005 NA		-0.188	-0.149	-0.301	-0.187	0.173	0.075
A016884_01	-0.073	-0.208	-0.175	-0.274	-0.298	-0.527	-0.035	-0.065
A016886_01	-0.541	-0.421 NA		-0.608	-0.182	-0.379 NA		0.468
A016888_01	-0.265 NA		0.091	-0.175 NA		0.465	0.23	0.188
A016894_01	0.26 NA		0.153	-0.015	-0.104	-0.349 NA		-0.187
A016897_01	-0.009	-0.024	-0.331	-0.293	0.244	0.359	0.145	0.04
A016898_01	-0.076	0.04	-0.717	-0.504	0.249	0.55	0.291	0.377
A016900_01	-0.231	-0.044	0.127	0.08	-0.016	-0.013	-0.245	-0.136
A016901_01	0.135	-0.1	0.139	0.002	-0.016	-0.203 NA		-0.277
A016902_01	0.028	-0.272 NA		-0.15	0.266	0.147	0.06	-0.045
A016904_01	-0.113	-0.121	-0.049	-0.097	0.345	0.547	0.138	0.072
A016905_01	-0.063 NA		0.29	0.135 NA		-0.811 NA		0.029
A016907_01	-0.652	-0.77	0.238	0.264	-0.234	-0.153	-0.586	-0.299
A016909_01	0.036	-0.1	-0.229	-0.076	-0.003	0.107	-0.15	-0.206
A016913_01	0.035	-0.09	0.519	0.385	0.695	0.9	0.235	0.103
A016914_01	-0.281	-0.381	-0.34	-0.427	-0.441	-0.663	-0.089	-0.095
A016915_01	-0.135	0.015	-0.23	-0.167	0.175	0.254	0.087	0.096
A016922_01	-0.351	-0.264	-0.064	-0.112	-0.987	-0.924	-0.686	-0.524
A016923_01	-0.052	-0.13	0.255	0.189	-0.128	-0.18	-0.188	-0.159
A016924_01	0.788	0.854	-0.132	-0.221	-0.547	-1.059	0.092	0.106
A016925_01	-0.023	-0.068	0.178	0.29	0.771	0.91	0.09	0.064
A016926_01	-0.277	-0.098	-0.038	0.292	-0.259	0.011	0.025	0.07
A016929_01	-0.083	-0.221	-0.079	-0.079	-0.578	-0.607	0.108	-0.038
A016930_01	-0.083	-0.049	-0.094	-0.05	0.341	0.582	0.052	0.077
A016931_01	-0.019	0.387	0.056	-0.091	0.347	0.39 NA		0.117
A016933_01	-0.188	-0.008	0.012	0.132	0.079	0.235	0.03	0.084
A016936_01	-0.084	0.186	0.101	0.185	0.275	0.467	-0.084	0.359
A016937_01	0.151	0.274	0.559	0.575	-0.773	-1.015	-0.128	-0.253
A016941_01	-0.198	-0.064	-0.067	-0.211	-0.218	-0.197	-0.191	-0.079
A016943_01	0.088	-0.028	0.038	0.089	0.331	0.465	0.145	0.036
A016946_01	-0.129	-0.056	-0.231	-0.004	-0.705	-0.552	-0.164	-0.15
A016947_01	0.237	0.051	0.018	0.13	-0.219	-0.278	0.148	0.09
A016949_01	-0.403	-0.347	-0.099	-0.057	0.316	0.397	-0.569	-0.733
A016950_01	-0.019	-0.347	0.354	0.012	-0.225	-0.472	-0.384	-0.617
A016951_01	-0.208	-0.137	-0.185	-0.012	0.566	0.935	0.049	0.083
A016952_01	0.206	0.199	0.356	0.202	0.076	-0.112	0.028	-0.115
A016954_01	0.103 NA		0.054 NA	NA	NA	NA	NA	
A016955_01	0.127	0.15	-0.387	-0.28	0.521	0.667	0.298	0.095
A016956_01	0.318	0.457	-0.214	-0.001 NA		0.056	0.039	0.07
A016959_01	0.529	0.458	0.207	0.311 NA		0.067	0.241	0.072
A016960_01	0.422 NA		-0.016	-0.264 NA	NA		0.063	0.047
A016966_01	-0.379	-0.384	-0.382	-0.121	-0.295	-0.229	-0.03	-0.117
A016967_01	NA	NA	0.298	0.079	0.143	0.221	-0.796	-0.574
A016969_01	0.016	-0.055	0.032	0.053	0.351	0.522	-0.137	-0.266
A016971_01	-0.267 NA		-1.495 NA		-0.911	-0.731	-0.184	-0.107
A016976_01	0.191 NA		0.596	0.591	-0.075	-0.24	-0.229	-0.688
A016977_01	-0.49 NA		-0.746	-0.849	-0.903	-1.103	-0.148	-0.345
A016978_01	0.108	0.137	-0.026	0.124	-0.04	-0.06	0.118	-0.088
A016979_01	-0.184	-0.308	0.172	0.022	-0.564	-0.575	-0.04	-0.042
A016980_01	-0.202 NA		-0.474	-0.331 NA		-0.403	0.17	0.069
A016984_01	0.312	0.097	0.351	0.293	-0.175	-0.362	-0.125	-0.28
A016987_01	-0.173	-0.063	0.156	0.205	0.068	0.167	0.059	0.076
A016991_01	-0.359	-0.369	0.149	0.031	0.147	0.342	-0.077	0.012
A016997_01	0.02	0.02	-0.241 NA		-0.136	-0.099 NA	NA	
A017000_01	0.182	-0.032	-0.097	-0.123	0.057	0.046	0.038	-0.027
A017002_01	0.373	0.136	0.239	0.217	0.184	0.065	0.04	-0.208

A017003_01	-0.26	-0.128	-0.173	-0.162	0.198	0.472	0.128	0.38
A017004_01	0.039	0.281	0.101	-0.072	NA	0.114	0.038	0.082
A017008_01	-0.041	NA	0.192	0.073	0.006	0.096	0.058	0.011
A017010_01	-0.213	-0.06	-0.057	-0.123	-0.811	-0.958	-0.373	-0.43
A017012_01	0.3	-0.042	-0.098	0.037	0.02	0.071	0.134	-0.089
A017013_01	0.171	0.356	0.21	0.332	0.129	0.188	0.111	0.117
A017015_01	-0.344	-0.374	-0.111	-0.082	-0.688	-0.845	0.209	0.034
A017016_01	-0.661	-0.678	-0.274	-0.468	-1.448	-1.445	-0.563	-0.453
A017020_01	0.414	NA	0.14	0.326	NA	0.021	NA	-0.162
A017021_01	0.042	-0.259	0.048	0.014	-0.246	-0.333	NA	-0.161
A017022_01	-0.028	0.009	-0.064	0.02	NA	-0.159	-0.128	-0.432
A017024_01	0.063	-0.03	0.074	0	-0.093	-0.034	0.151	0.024
A017025_01	-0.101	NA	NA	NA	NA	0.089	NA	NA
A017026_01	-0.395	-0.057	0.363	0.46	0.112	0.192	0.027	0.095
A017028_01	-0.27	-0.582	-0.322	-0.18	-0.469	-0.506	0.078	-0.1
A017031_01	-0.054	-0.008	0.13	0.043	-0.092	-0.359	0.079	-0.211
A017032_01	-0.155	0.061	-0.025	0.056	-0.117	0.023	0.3	0.438
A017034_01	-0.276	0.004	0.003	0.194	0.334	0.667	-0.058	-0.067
A017035_01	0.468	0.276	0.276	0.094	0.386	0.356	NA	NA
A017036_01	0.21	0.098	-0.09	0.02	-0.055	-0.009	0.059	-0.09
A017037_01	-0.011	-0.019	0.262	0.165	-0.202	-0.183	-0.151	-0.097
A017038_01	-2.924	-1.743	-1.168	-0.789	-3.572	-4.297	-1.96	-1.909
A017040_01	-0.042	0.315	0.079	-0.168	NA	-0.283	-0.102	-0.062
A017041_01	0.214	0.334	0.428	0.3	-0.368	-0.433	-0.598	-0.47
A017042_01	-0.731	NA	-0.495	-0.582	-0.749	-0.719	0.676	0.521
A017044_01	0.618	0.522	0.261	0.132	0.401	0.171	-0.249	-0.16
A017045_01	-0.055	0.292	0.012	-0.125	NA	-0.03	-0.08	0.009
A017046_01	0.173	0.127	-0.18	0.041	0.285	0.583	0.06	0.105
A017048_01	-0.444	-0.407	-0.176	-0.215	-1.108	-1.271	-0.377	-0.45
A017049_01	-0.324	-0.4	0.037	-0.082	-0.442	-0.52	-0.265	-0.343
A017051_01	-0.087	NA	0.007	-0.021	NA	0.096	NA	-0.04
A017053_01	0.3	0.062	-0.018	0.178	-0.309	-0.337	-0.091	-0.185
A017056_01	-0.044	NA	0.747	0.641	0.566	0.516	0.069	0.116
A017057_01	0.587	NA	0.359	0.058	NA	NA	-0.374	-0.176
A017059_01	-0.253	-0.003	-0.211	-0.104	-0.132	0.065	-0.239	0.058
A017063_01	0.175	0.25	0.043	0.068	-0.918	-0.927	-0.492	-0.256
A017064_01	0.126	0.133	-0.271	-0.47	0.289	0.196	0.122	0.134
A017068_01	-0.212	-0.08	0.035	0.034	0.031	0.07	0.196	0.064
A017069_01	-0.194	0.278	-0.221	-0.217	0.316	0.719	-0.035	0.156
A017071_01	0.027	NA	0.192	0.08	NA	NA	0.185	0.09
A017072_01	0.4	0.428	-0.28	-0.249	-0.041	-0.197	-0.033	-0.064
A017073_01	0.6	0.658	-0.111	-0.008	0.433	0.59	0.18	0.27
A017075_01	0.082	0.034	0.313	0.213	0.173	-0.012	-0.027	-0.15
A017079_01	0.298	-0.049	-0.172	-0.342	0.137	0.042	0.224	0.003
A017080_01	0.28	0.107	-0.013	-0.335	0.037	-0.119	0.154	-0.084
A017083_01	-0.285	-0.329	-0.293	-0.208	-0.192	-0.216	0.01	-0.044
A017087_01	-0.241	-0.269	0.48	0.525	-0.015	0.073	-0.193	-0.217
A017088_01	-0.485	-0.806	0.535	0.448	-1.225	-1.515	-0.474	-0.79
A017091_01	0.08	NA	0.121	0.092	NA	-0.66	0.2	-0.116
A017092_01	-1.272	-1.189	-0.497	-0.535	-1.647	-1.943	-0.831	-0.963
A017095_01	-0.876	NA	NA	NA	NA	NA	NA	-0.33
A017096_01	0.515	0.279	0.253	0.286	-0.001	0.012	0.006	-0.316
A017098_01	0.159	0.321	-0.296	-0.281	-0.09	-0.132	-0.014	0.014
A017099_01	0.097	0.06	-0.038	-0.046	0.239	0.227	0.055	0.023
A017100_01	-0.198	0.002	-0.078	-0.075	-0.017	0.263	-0.077	-0.191
A017108_01	0.01	NA	-0.12	-0.239	0.109	0.147	0.14	0.158
A017114_01	0.27	0.121	-0.032	-0.12	0.087	0.028	-0.006	-0.2
A017115_01	0.227	NA	0.491	0.271	NA	0.009	-0.102	-0.241
A017116_01	-0.14	-0.221	0.284	0.321	-0.956	-1.124	-0.623	-0.829
A017117_01	NA	NA	0.699	0.578	0.439	0.552	-0.013	0.014
A017120_01	-0.039	0.196	0.035	0.077	0.013	0.017	-0.138	-0.062
A017122_01	0.231	0.097	0.053	-0.032	0.602	0.624	0.141	0.068
A017127_01	-0.183	0.05	-0.175	-0.059	0.123	0.532	-0.215	0.093
A017128_01	-0.12	0.055	-0.015	0.214	-0.23	0.054	-0.029	-0.051
A017130_01	0.074	0.031	0.218	0.318	-0.068	-0.04	0.084	-0.035
A017135_01	0.183	0.129	-0.168	-0.044	0.132	0.242	-0.091	-0.114
A017138_01	0.435	0.339	0.313	0.15	0.34	0.178	-0.132	-0.21
A017139_01	0.118	0.245	-0.257	-0.208	0.123	0.239	-0.276	-0.165

A017140_01		-0.298	-0.094	-0.174	-0.232	0.012	0.354	-0.254	0.05
A017142_01		-0.109	0.173	0.192	0.347	-0.149	0.074	-0.055	-0.158
A017149_01		-0.105 NA		0.144	0.059	-0.17	-0.271 NA	NA	
A017151_01		0.313 NA		0	0.135 NA		0.2 NA	NA	
A017153_01		0.427 NA		-0.114	-0.085 NA		-0.132	0.254	-0.032
A017160_01		0.427	0.538	0.444	0.608	0.483	0.891	-0.242	-0.189
A017162_01		0.05	0.211	0.342	0.385	0.133	0.198	-0.03	0.053
A017173_01		0.076 NA		0.442	0.185 NA		-0.222 NA	NA	
A017174_01		-0.029 NA		0.084	0.031	0.146	0.184	-0.157 NA	
A017178_01		0.127	0.062	-0.378	-0.402	0.193	0.06	0.341	0.227
A017185_01		-0.21 NA		-0.157	-0.227	0.068	0.18 NA		-0.267
A017192_01		-0.169	0.002	-0.032	-0.166	-0.031	-0.141	-0.106	0.08
A017194_01		-0.235	-0.124	-0.179	-0.009	-0.307	-0.594	0.318	0.085
A017195_01		-0.666 NA	NA	NA		-1.149 NA	NA		-0.158
A017207_01		-0.153	-0.018	0.037	0.016	-0.269	-0.386	0.013	0.064
A017227_01		-0.107	-0.003	-0.015	0.14	-0.75	-0.712	-0.054	-0.156
A017229_01		-0.313	-0.404	-0.059	0.01	-0.247	-0.202	0.193	0.198
A017235_01		0.045	0.03	0.011	0.098	0.046	-0.006	0.079	0.166
A017240_01		0.121	0.072	0.096	0.053	0.299	0.43 NA	NA	
A017247_01		-0.194	0.125	-0.286 NA		0.034	0.132 NA	NA	
A017250_01		0.185	0.45	0.911	0.586	-0.201	-0.077	-0.541	-0.238
A017257_01		-0.305	-0.077	-0.303	-0.235	-0.176	-0.072	0.265	0.349
A017258_01		-0.08	-0.063	0.242	0.112	-0.08	-0.173	0.151	0.023
A017259_01		0.411	0.146	-0.098	-0.046	-0.211	-0.34	0.204	0.179
A017261_01		0.058 NA		-0.151	-0.088	-0.203	-0.18 NA		-0.129
A017265_01		0.197	0.164	-0.144	-0.092	0.14	0.081	0.156	0.161
A017266_01	NA		-0.13	-0.216	-0.223	0.105	0.185	0.179 NA	
A017267_01		0.292	0.134	-0.018	-0.183	0.337	0.118	0.073	-0.108
A017268_01		0.145	0.09	0.544	0.454	0.104	0.051	-0.204	-0.439
A017274_01		-0.27	-0.184	-0.066	-0.088	-0.101	-0.16	-0.088	-0.056
A017277_01		0.146	-0.011	0.116	0.238	0.285	0.506	-0.261	-0.27
A017279_01		0.049	-0.062	0.561	0.501	0.19	0.186	-0.034	-0.218
A017280_01		0.07	-0.067	0.041	-0.036	-0.065	-0.033	0.039	-0.111
A017284_01		0.05	0.229	-0.588	-0.521	-0.504	-0.496	-0.678	-0.538
A017285_01		-0.034 NA		0.195	0.217 NA	NA	NA		-0.185
A017289_01		0.167	0.002	-0.06	0.128	-0.125	-0.068	0.029	-0.206
A017293_01		0.007 NA		-0.003	-0.074	-0.918	-1.03	-0.124	-0.359
A017305_01		-0.001	-0.298	-0.007	-0.132	0.361	0.281	0.24	-0.002
A017306_01		0.35	0.386	0.014	0.161	0.137	0.232	-0.045	-0.14
A017307_01	NA		-0.069	-0.117	-0.203 NA		-0.323	0.182	0.149
A017308_01		-0.011 NA		0.264	0.135 NA		0.062 NA		-0.551
A017311_01		0.029	-0.214	-0.261	-0.263	-0.894	-1.131	-0.127	-0.32
A017312_01		0.145	0.177	-0.141	-0.063	-0.005	0.049	-0.034	0.005
A017314_01		-0.139 NA		0.052	-0.224	-0.26	-0.375	0.182	0.207
A017315_01		0.272	-0.014	-0.181	0.14	0.034	-0.062 NA		-0.192
A017316_01		-0.029	0.044	-0.095	-0.257	0.233	0.199	0.194	0.07
A017321_01		0.067	-0.124	-0.025	-0.111	0.055	0.03	-0.036	-0.148
A017326_01		0.103	0.098	-0.143	-0.513	-0.204	-0.362	-0.212	-0.119
A017327_01		-0.216 NA		-0.262	-0.517	0.149	-0.064	0.263	0.115
A017328_01		0.19	-0.025	0.386	0.052	0.077	-0.046 NA		-0.175
A017331_01		-0.062	-0.332	0.194	0.094	-0.52	-0.802	-0.1	-0.301
A017335_01		-0.435	-0.536	-1.297	-1.204	-0.185	-0.164	0.044	-0.243
A017340_01		0.027 NA		0.411	0.376	0.96	1.042 NA		0.191
A017341_01		0.064	-0.006	-0.282	0.032	-0.337	-0.392	-0.204	-0.19
A017352_01		0.228	0.18	0.078	-0.047	0.455	0.477	0.171	0.191
A017353_01		0.007 NA		-0.341	-0.364 NA		-0.376	0.197	-0.074
A017354_01		0.229	0.148	0.342	0.334	-0.28	-0.332	-0.132	-0.351
A017360_01		-0.157	-0.02	-0.161	-0.212	0.139	0.221	0.144	0.241
A017361_01	NA		-0.738	0.183	0.397	0.315	0.539 NA	NA	
A017363_01		-0.271	-0.271	-0.465	-0.138	-0.427	-0.294	0.363	0.356
A017365_01		-0.012 NA		0.146	-0.166	-0.008	-0.125 NA	NA	
A017378_01		0.235	0.37	-0.032	0.01	0.089	0.261	-0.092	0.265
A017380_01		-0.25	-0.631	0.244 NA		-0.933	-0.909 NA	NA	
A017381_01		-0.16	-0.008	-0.25	-0.037	-0.022	0.206	0.068	0.018
A017382_01		0.264 NA		0.059	0.166 NA		-0.054	0.182	0.005
A017387_01		0.057	0.157	0.001	0.116	0.244	0.31	-0.078	-0.078
A017389_01		0.054	-0.019	-0.023	-0.162	0.041	-0.053	0.281	0.061
A017393_01		0.151	0.331	0.21	-0.242	0.34	0.44 NA		0.078

A017394_01	0.239	0.594	0.571	0.385	0.452	0.691	-0.192	0.027
A017396_01	0.004	-0.172	-0.264	-0.257	0.007	0.161	0.229	0.315
A017405_01	0.288 NA		0.001 NA		0.372	0.164 NA		-0.072
A017413_01	-0.166	-0.116	0.306	0.1	-0.185	-0.156 NA	NA	
A017419_01	0.554	0.478	0.217	0.119 NA		0.023	-0.19	-0.213
A017421_01	-0.179 NA		0.186	0.06 NA	NA		-0.088	-0.163
A017423_01	0.012 NA		0.154	0.245 NA		-0.103	0.278	-0.14
A017425_01	-0.09 NA		0.104 NA	NA		-0.05 NA	NA	
A017431_01	0.174	-0.042	0.01	0.242	-0.17	-0.131	-0.028	-0.23
A017433_01	0.013 NA		-0.159	-0.004	-0.267	-0.368 NA		-0.109
A017434_01	-0.078	0.079	0.528	0.428	0.209	0.466	0.207	0.28
A017443_01	-0.301	-0.407	0.109 NA		-0.073	-0.274 NA	NA	
A017451_01	0.333 NA		-0.17	-0.284 NA	NA	NA		-0.257
A017452_01	-0.758	-0.602	-0.879 NA		0.36	0.79 NA		-0.126
A017460_01	-1.307	-1.206	1.202	1.065	1.288	1.805	0.585	0.49
A017466_01	-0.174 NA		0.113	-0.049	-0.205	-0.43	-0.037	-0.209
A017468_01	-0.344	0.027	0.544	0.495	0.262	0.435	0.088	0.402
A017471_01	0.141	0.059	-0.061	0.025	-0.04	0.148	0.09	-0.126
A017476_01	0.012 NA	NA	NA		-0.002	-0.11 NA	NA	
A017477_01	0.002	0.104	0.151	-0.229	0.721	1.092	0.014	0.34
A017486_01	0.192	-0.078	-0.157	-0.183	0.17	-0.002	0.296	0.147
A017501_01	-0.21	-0.17	-0.098	-0.441	-0.274	-0.558 NA	NA	
A017502_01	0.007	0.055	0.01	-0.171	0.097	0.18 NA		-0.012
A017508_01	-0.139	-0.237	-0.279	-0.282	-0.024	0.228	0.006	-0.16
A017513_01	-1.704	-1.302	-2.437	-2.175	-2.266	-2.436	-1.726	-2.186
A017517_01	0.086 NA		-0.093	-0.422	-0.109	-0.308 NA		-0.086
A017534_01	0.436 NA		0.525	0.454 NA		-0.251	0.885	0.699
A017549_01	0.016 NA		0.002	-0.265	-0.053	-0.131 NA		-0.089
A017558_01	0.02 NA		0.236	0.162	0.026	-0.133	0.035	0.122
A017559_01	0.063	-0.082	-0.088	-0.551	0.187	-0.216	0.324	0.087
A017562_01	0.165	0.061	-0.206	-0.095	0.462	0.496	0.098	0.047
A017563_01	-0.021	0.09	-0.057	-0.088	0.067	0.152	-0.019	-0.065
A017564_01	0.346	0.003	-0.08	0.062	0.153	0.411	0.083	-0.233
A017569_01	0.036	-0.141	-0.193	-0.385	0.204	0.214	-0.058	-0.192
A017570_01	0.214 NA		-0.04	0.049	0.119	0.051 NA		-0.342
A017575_01	0.1	0.122	0.505	0.264	0.051	0.068 NA		-0.287
A017580_01	0.116	0.051	-0.007	0.046	0.052	0.024	0.202 NA	
A017581_01	-0.045	0.096	-0.089	0.039	0.06	0.367	-0.109	0.001
A017583_01	-0.002	0.148	-0.302	-0.225	0.046	0.075 NA		0.177
A017587_01	-0.096 NA		0.265	0.098	0.124	0.039 NA		-0.063
A017589_01	0.163	0.366	-0.069	-0.225	-0.333	-0.454	0.335	0.264
A017593_01	-0.287	-0.209	-0.028	-0.139	-0.56	-0.721	0.005	-0.176
A017595_01	0.422	0.356	-0.499	-0.567	0.054	-0.127	0.401	0.159
A017597_01	0.434	0.238	0.215	0.123	-0.375	-0.812	-0.005	-0.16
A017600_01	0.172	0.098	-0.091	-0.031	-0.247	-0.385	0.177	-0.031
A017604_01	-0.176	-0.086	-0.009	-0.125	-0.272	-0.464	-0.004 NA	
A017612_01	0.015 NA		-0.038	-0.031 NA	NA		0.129	0.221
A017614_01	0.407	0.185	0.298	-0.194	0.204	0.148	0.104	-0.204
A017618_01	-0.191	-0.218	-0.296	-0.113	0.195	0.242	0.234	0.024
A017633_01	-0.429	-0.215	-0.208	-0.04	-0.384	-0.292	0.025	0.291
A017635_01	0.297 NA		0.328	-0.135 NA	NA	NA		-0.112
A017636_01	0.277 NA		0.42	0.348	0.446	0.414	0.05	0.078
A017637_01	0.166 NA		0.353 NA	NA		0.143 NA	NA	
A017640_01	-0.364	-0.297	-0.18	-0.282	0.423	0.554	0.106	0.084
A017641_01	0.274 NA		-0.019	0.07	-0.266	-0.284	-0.077	-0.085
A017644_01	0.296	0.094	-0.089	-0.177	0.194	0.12	0.183	-0.008
A017646_01	-0.043	-0.299	0.089	0.111	0.167	0.564	-0.003	0.056
A017652_01	0.35	0.218	-0.081	0.165	0.643	0.852	0.014	-0.016
A017653_01	0.231 NA		0.543	0.327	0.962	0.847 NA		0
A017656_01	-0.592	-0.421	-0.704	-0.735	-0.446	-0.192	-0.432	-0.431
A017657_01	-0.747	-0.415	0.061	-0.014	-0.162	-0.135	0.051	0.465
A017659_01	0.057	-0.144	-0.127	-0.407	-0.245	-0.397	0.176	0.096
A017664_01	0.15	0.372	-0.149	-0.191	0.342	0.329	-0.168	-0.069
A017667_01	-0.689	-0.825	-0.642	-0.456	-0.323	-0.176	-0.501	-0.461
A017668_01	0.091 NA		-0.111	-0.2 NA		-0.356 NA		0.138
A017671_01	-0.126	-0.08	-0.063	0.139	0.084	0.212	0.371	0.174
A017672_01	-0.189	0.018	0.06	-0.04	0.236	0.69	0	0.485
A017692_01	0.13	0.18	0.114	0.032 NA		-0.042	-0.112	-0.196

A017693_01		-0.049	0.11	-0.119	-0.06	-0.247	-0.131	-0.433	-0.208
A017695_01		0.461	0.106	0.521	0.289	0.912	0.987	-0.351	-0.457
A017699_01		-0.108	-0.359	0.056	-0.063	-0.366	-0.995	0.098	-0.176
A017701_01		-0.244	-0.302	-0.355	-0.195	-1.096	-1.014	-0.325	-0.31
A017703_01		0.243	0.049	0.074	-0.215	0.152	-0.045	0.208	-0.05
A017713_01		0.029	-0.077	-0.149	0.006	0.153	0.024	-0.068	-0.027
A017714_01	NA		-1.908 NA		NA	NA	NA	NA	
A017715_01		0.458	0.387	0.006	0.183	-0.089	-0.098	-0.01	-0.026
A017716_01		-0.194	-0.292	-0.215	-0.293	-0.152	-0.24	0.011	-0.15
A017718_01		-0.126 NA		0.022	0.16	0.09	-0.045	0.122	0.029
A017726_01		0.093 NA		-0.064	-0.134 NA		-0.091	0.012	-0.108
A017734_01		-0.01	0.061	0.008	0.186	-0.135	-0.002	-0.045	-0.084
A017737_01		0.736	0.571	-0.991 NA		1.674	1.771	1.793	1.678
A017740_01		0.17 NA		-0.208 NA		0.14	0.399 NA		NA
A017742_01		-0.116	-0.192	-0.032	-0.15	-0.648	-0.943	-0.321	-0.312
A017743_01		0.047 NA		-0.201	-0.273	0.239	0.236 NA		0.027
A017746_01		0.135	-0.131	0.183	0.203	0.033	-0.238 NA		NA
A017749_01		0.206 NA		0.112	0.046	0.149	-0.051 NA		NA
A017754_01		-0.308 NA		0.043 NA		-0.037	-0.222 NA		0.075
A017756_01		-0.128	-0.206	-0.017	-0.056	-0.134	-0.03	0.065	0.071
A017757_01		0.023	-0.16	0.017	0.097	-0.099	-0.004 NA		-0.254
A017758_01		0.664	0.822	0.273	0.349	0.715	0.71	0.157	0.219
A017762_01		0.19 NA		0.259	0.077	-0.219	-0.225 NA		0.055
A017764_01	NA		-0.523	0.118	0.054	-0.304	-0.178 NA		-0.284
A017767_01		0.136 NA		-0.505	-0.778	-0.615	-0.702 NA		-0.219
A017768_01		-0.334 NA		0.239	0.138	-0.176	-0.371	-0.056	-0.088
A017769_01		0.3	0.362	0.099	-0.3	0.331	0.355	0.119	-0.125
A017771_01		0.112	0.04	-0.067	-0.079	-0.023	-0.008 NA		-0.085
A017777_01		0.209 NA		0.03 NA		-0.196	-0.28 NA		0.044
A017779_01		0.108	-0.064	0.132	-0.14	0.298	0.138	0.039	0.03
A017782_01		-0.047 NA		0.57	0.186 NA		-0.289 NA		-0.348
A017783_01		-0.096	-0.247	0.232	0.316	0.501	0.589	-0.273	-0.428
A017794_01		-0.13 NA		0.483	0.19 NA		-0.716	-0.097	-0.259
A017798_01		0.04 NA		0.157	-0.378	-0.003	-0.228 NA		-0.038
A017799_01		0.254	-0.012	0.151	0.206	-0.262	-0.361	-0.107	-0.269
A017801_01		-0.054	-0.177	-0.157 NA		-0.161	-0.108 NA		-0.209
A017803_01		0.26	0.265	0.183	-0.024	-0.116	-0.376	0.075	-0.012
A017807_01		-0.002 NA		-0.021	0.049	-0.344	-0.439 NA		-0.065
A017808_01		-0.253	-0.35	-0.125	-0.097	-0.662	-0.787	0.115	0.059
A017812_01		0.361 NA		0.237	0.118 NA		0.669 NA		NA
A017813_01		-0.865	-0.696	0.368	0.436	0.605	0.849	-0.036	0.097
A017815_01		-2.136	-1.842 NA		-2.734 NA		NA		-2.605
A017824_01		-0.229	0.214	0.083	-0.163	0.097	0.644	-0.073	0.55
A017825_01		0.062 NA		-0.341 NA		-0.043	-0.085 NA		0.101
A017835_01		0.134	0.073	-0.288	-0.017	0.209	0.382	0.189	0.192
A017837_01		-0.775	-0.392	0.393	0.247	-0.665	-0.632	-0.345	-0.026
A017839_01		0.053	0.027	-0.026	-0.235	0.341	0.156 NA		0.217
A017845_01		0.019 NA		0.1	-0.068	0.066	-0.056	-0.04	-0.111
A017848_01		0.099	0.007	-0.021	-0.029	0.324	0.24	0.017	-0.208
A017849_01		0.053 NA		-0.015	-0.076	-0.052	-0.113	0.222	-0.079
A017850_01		0.102 NA		0.321 NA		-0.531	-0.497 NA		NA
A017852_01		0.138	0.083	0.035	0.095	0.096	-0.096	-0.056	-0.041
A017855_01		0.357	0.017	0.237	0.1	0.086	-0.345	0.37	0.011
A017856_01		-0.399	-0.114	-0.17	-0.261	0.003	0.292	0.153	0.403
A017858_01		0.227	0.007	-0.125 NA		0.37	0.474	0.167	0.173
A017859_01		-0.335	-0.631	0.578	0.53	0.86	1.219	-0.317	-0.233
A017860_01		-0.892	-0.844	-0.579 NA		-0.507	-0.487 NA		NA
A017861_01		-0.055	-0.248	-0.236	-0.062	0.023	0.155	0.262	0.176
A017863_01		-0.1	-0.039	-0.176	-0.312	-0.158	-0.028	-0.137	0.06
A017866_01		0.203	-0.049 NA		NA	0.012	0.054 NA		NA
A017867_01		-0.013	0.105	-0.174	-0.339	0.107	0.183	0.294	0.376
A017868_01		0.54	0.441	0.061	0.05	0.094	0.158	0.055	-0.028
A017869_01		-0.014	-0.092	-0.182	-0.44	0.139	0.091	-0.026	-0.046
A017871_01	NA	NA	NA		-0.497 NA		-0.069 NA		NA
A017872_01		0.025	0.325	-0.187	-0.258	0.383	0.587	-0.052	0.249
A017873_01		-0.083	-0.13	-0.124	-0.172	-0.191	-0.2	-0.08	0.005
A017874_01		-0.038	0.037	0.06	-0.076	0.161	0 NA		-0.257
A017877_01		0.083	0.424	0.134	0.183	0.209	0.385	0.201	0.413

A017878_01		0.037	-0.16	0.04	-0.102	0.18	0.153	-0.091	-0.136
A017880_01		0.003	-0.243	0.115	0.06	-0.093	-0.095	-0.225	-0.442
A017882_01		-0.344	-0.206	-0.032	-0.209	-0.088	-0.017	-0.239	-0.057
A017885_01		-0.64	-0.731	0.374	0.32	0.396	0.612 NA	NA	
A017886_01		-0.057	-0.089	-0.078	-0.026	-0.029	0.089	0.146	0.101
A017887_01		-0.085 NA	NA		-0.068	0.268	0.235 NA	NA	
A017890_01		0.516	0.327	-0.296	-0.199	-0.276	-0.467 NA		-0.375
A017892_01		0.061	0.024	0.131	-0.024	0.07	-0.025	-0.002	0.009
A017894_01		-0.376	-0.291	0.109	0.166	-1.178	-1.304	-0.355	-0.37
A017897_01		-0.083 NA		0.191	0.041	-0.435	-0.549 NA		-0.437
A017899_01		0.012 NA		-0.065	-0.133 NA		-0.293	0.181	-0.098
A017900_01		-0.018 NA		0.398	0.534 NA		0.201	-0.094	-0.305
A017901_01		0.254	-0.013	0.053	-0.09	0.124	0.04 NA	NA	
A017902_01		0.29	0.334	0.358	0.31	0.186	0.302	-0.238	-0.21
A017904_01		-1.505	-1.41	-0.407	-0.354	-1.908	-2.033 NA	NA	
A017909_01		0.15	-0.092	-0.135	-0.161	0.058	0.124	0.119	-0.107
A017913_01		0.529	0.351	-0.374	-0.299	0.067	0.023	0.201	0.217
A017915_01		-0.453 NA		0.238 NA		-0.933	-1.106 NA	NA	
A017916_01	NA	NA		0.473	0.426	0.773	0.808	-0.006	-0.09
A017918_01		0.027 NA		0.206	-0.096 NA	NA		0.136	0.18
A017920_01		-0.105	-0.092	0.13	0.159	-0.024	0.052	-0.087	-0.099
A017922_01		0.306	0.132	0.321	0.287	0.212	0.18	0.027	-0.151
A017923_01		-0.241	-0.245	-0.138	-0.255	0.063	0.177	-0.078	-0.115
A017924_01		0.576	0.451	-0.516	-0.326	-1.345	-1.814	0.463	0.321
A017925_01		-0.119	-0.076	-0.285	-0.36	0.122	0.418	0.127	0.154
A017928_01		0.128	0.108	0.138	-0.072	-0.091	-0.14	-0.027	0.003
A017933_01		-0.392	-0.346	-0.129	-0.129	-0.701	-0.887	0.064	-0.094
A017934_01		0.356	0.255	0.084	0.141	0.036	-0.146 NA	NA	
A017935_01		0.568	0.391	0.101	-0.034	0.406	0.378	0.049	-0.077
A017936_01		0.12	0.18	-0.436	-0.626	0.257	0.227	-0.256	-0.2
A017937_01		-0.033	-0.048	0.109	-0.017	0.145	0.156 NA	NA	
A017938_01		0.501	0.329	0.555	0.53	0.242	-0.001	0.05	-0.137
A017942_01		-1.67	-1.708	-1.85	-1.9	-3.363	-3.983	-2.222	-2.22
A017945_01		0.114	0.167	0.094	0.057	-0.081	-0.128	0.022	-0.076
A017949_01	NA		-0.056	0.362	0.221	-0.163	-0.195	-0.042	-0.106
A017950_01		-0.309	-0.46	0.041	0.035	-0.188	-0.043	0.132	0.184
A017951_01		-0.241	-0.329	0.389	0.172	-0.183	-0.234	0.101	-0.104
A017952_01		0.037	0.185	0.029	-0.03	0.105	0.061	0.141	0.226
A017955_01		-0.226	0.065	0.481	0.475	0.008	0.132	-0.419	-0.31
A017957_01		0.482	0.089	-0.134	0.009	0.216	0.441	0.332	0.227
A017962_01		-0.035	0.155	0.096	-0.032	0.088	0.191	-0.049	0.044
A017965_01		0.268	0.189	0.005	-0.162	-0.114	-0.307	-0.026	-0.265
A017967_01		-0.029	0.347	-0.399	-0.263	0.057	0.328	0.216	0.514
A017971_01		-0.355	-0.064	0.034	-0.081	-0.669	-0.463	-0.364	-0.074
A017972_01		-0.228	-0.072	-0.099	-0.159	-0.358	-0.521 NA	NA	
A017974_01		0.144	0.178	-0.25	0.129	-0.048	0.073	0.001	-0.007
A017975_01		0.252	0.475	0.246	0.144	0.363	0.207	0.138	0.183
A017977_01		0.227	0.269	-0.346	-0.29	0.231	0.324	0.088	0.157
A017979_01		0.016	0.126	-0.159	-0.33	0.458	0.442	-0.428	0.007
A017980_01		-0.134	-0.021	0.241	0.024	0.075	0.278	-0.207	-0.171
A017982_01		0.019	0.036	0.031	0.039	0.431	0.495	0.129	0.182
A017983_01		0.353	0.14	0.436	0.233	1.023	1.317	0.389	0.56
A017985_01		0.123	0.242	0.086	-0.12	-0.352	-0.363 NA		-0.045
A017987_01		0.178	-0.037	-0.058	0.098	0.252	0.362	0.2	0.019
A017991_01		0.015	0.094	0.044	-0.006	0.119	0.076	-0.078	0.039
A017993_01		0.225	0.314	-0.005	0.25	0.221	0.367	-0.325	-0.194
A017994_01		0.059 NA		-0.099	-0.238	-0.104	-0.115 NA		-0.144
A017995_01		-0.908	-0.821	0.969	0.919	1.243	1.914	0.45	0.335
A017996_01		0.086	0.062	-0.049	-0.006	0.036	-0.045	-0.041	-0.007
A018000_01		-0.291	-0.064	0.049	-0.131	-0.288	-0.289	-0.38	-0.091
A018004_01		-0.152	-0.184	-0.047	0.011	-0.024	-0.034	0.047	-0.115
A018006_01		-2.671	-1.613	0.904	0.7	-3.31	-4.115	-1.326	-1.307
A018011_01		0.093	0.11	0.138	0.025	0.133	-0.08	-0.118	-0.066
A018016_01		-0.056	0.17	0.263	0.27	0.008	0.009	-0.362	-0.336
A018017_01		0.029	0.072	-0.002	-0.206	-0.086	-0.268	0.056	0.051
A018019_01		-0.446	-0.055	0.043	0.151	-1.613	-1.801	-0.112	0.123
A018022_01		-0.24	-0.101	0.051	-0.201	-0.04	-0.182	0.075	-0.033
A018025_01		-0.004	-0.056	0.619	0.373	0.353	0.326	0.112	0.034

A018028_01	-0.383	-0.239	0.011	0.021	-1.174	-1.379	-0.34	-0.319
A018029_01	0.235	0.135	-0.087	-0.078	-0.059	-0.133	0.127	-0.021
A018032_01	-0.918	-0.874	-1.37	-1.157	0.86	1.311	0.028	-0.201
A018034_01	0.269	0.265 NA	NA		0.494	0.556 NA		0.48
A018038_01	0.528	0.322	0.143	0.414	0.192	0.144	0.067	-0.059
A018041_01	0.183	0.252	-0.007	0.008	-1.695	-2.343	-0.039	0.008
A018042_01	-0.108 NA		0.233	0.15	-0.5	-0.606	-0.017	-0.088
A018043_01	0.094	0.215	-0.035	-0.03	0.103	0.16	0.03	-0.095
A018046_01	0.129	0.317	0.427	0.308	-0.265	-0.454	-0.133	-0.088
A018047_01	-0.07	0.02	0.289	0.339	0.415	0.464	-0.11	-0.032
A018048_01	-0.064	0.181	0.089	0.023	-0.174	-0.102	0.098	0.023
A018049_01	-0.457	-0.377	0.074	0.052	-0.169	-0.117	-0.121	-0.008
A018052_01	0.3	0.231	0.041	0.068	0.582	0.664	0.151	0.06
A018054_01	-0.132	0.071	-0.138	-0.211	0.045	0.326 NA	NA	
A018058_01	0.453	0.51	0.37	0.337	0.267	0.165	0.439	0.283
A018060_01	-0.185	-0.216	-0.046	0.189	-0.414	-0.399	-0.131	-0.181
A018062_01	0.303 NA		0.415	0.341 NA		-0.132 NA	NA	
A018064_01	-0.363	0.046	-0.021	-0.118	0.118	0.224	-0.028	0.137
A018065_01	0.149	0.197	0.022	0.104	-0.318	-0.334	-0.592	-0.576
A018066_01	0.753	1.006	-0.121	-0.229	0.173	0.267	-0.115	-0.008
A018067_01	-0.305	-0.222	0.315	0.306	0.065	0.179	-0.039	-0.204
A018068_01	0.128	0.256	-0.196	-0.194	-0.013	0.179	-0.177	-0.05
A018069_01	-0.14	-0.182	-0.135	-0.07	-0.231	-0.123	0.078	0.074
A018070_01	0.331	0.508	-0.024	0.094	0.012	-0.104	-0.023	-0.119
A018071_01	-0.322 NA		-0.167	-0.229 NA		-0.764 NA		-0.564
A018072_01	-0.464	-0.348	-0.257	-0.162	-0.292	-0.029	-0.033	0.094
A018074_01	0.224 NA		-0.033	-0.133	0.633	0.878	0.118	0.196
A018076_01	0.323 NA		-0.04	0.113 NA		-0.384 NA		-0.122
A018080_01	-0.053	-0.06	-0.251	-0.195	-0.26	-0.264	0.34	0.466
A018081_01	0.229	0.095	0.106	0.04	-0.39	-0.552	0.195	-0.195
A018085_01	0.052	0.09	-0.095	-0.107	-0.014	0.038 NA	NA	
A018088_01	-0.089	0.068	0.151	0.246	0.01	-0.15	-0.087	-0.118
A018089_01	0.451	0.342	0.133	0.065	0.496	0.5	-0.079	-0.032
A018092_01	-0.011	0.096	0.011	-0.296	0.161	0.102	0.047	0.139
A018093_01	NA	NA	0.361	0.16	0.144	0.086	0.156	-0.018
A018097_01	NA		0.437	0.266 NA		0.105 NA	NA	
A018098_01	0.364	0.239	0.177	0.04	0.247	0.069	-0.066	-0.07
A018099_01	0.224	0.109	0.156	0.165	0.243	0.286	-0.182	-0.255
A018100_01	0.319	0.119	-0.022	-0.103	-0.399	-0.802	-0.992	-1.202
A018101_01	0.298	0.127	-0.034	0.081	0.1	0.206	0.412	0.288
A018102_01	-0.06 NA		0.137	0.059	0.049	-0.086 NA	NA	
A018103_01	0.227	0.413	-0.297	-0.394	0.278	0.251	0.184	0.446
A018104_01	0.002	-0.126	0.081	-0.023	-0.326	-0.384	0.1	0.069
A018105_01	0.025	-0.005	-0.551	-0.354	0.176	0.369	0.674	0.726
A018106_01	0.562	0.092	0.55	0.216	0.104	-0.187	-0.053	-0.296
A018107_01	0.069	0.057	-0.179	-0.068	0.354	0.548	0.133	0.027
A018108_01	0.311 NA		0.245	0.186 NA		-0.118 NA	NA	
A018110_01	0.246	0.127	-0.147	0.012	0.382	0.495	0.044	-0.036
A018111_01	0.343	0.231	0.251	0.088	0.4	0.429	-0.119	-0.262
A018115_01	0.241	0.067	0.155	0.224	0.35	0.446	0.137	0.168
A018117_01	-0.294	-0.304	-0.061	-0.308	0.056	0.038	0.295	0.479
A018119_01	-0.048	-0.097	0.13	0.165	-0.256	-0.418	-0.171	-0.249
A018126_01	-0.175	-0.219	-0.12	-0.118	-0.281	-0.118	0.058	-0.103
A018128_01	0.297	0.236	-0.034	-0.237	-0.037	-0.183 NA		0.009
A018135_01	0.105	-0.135	-0.217 NA		0.06	-0.074 NA		-0.37
A018139_01	0.224	0.14	-0.015	-0.215	0.766	0.791	0.141	0.137
A018147_01	0.126	0.204	0.289	0.527	-0.05	-0.013	-0.116	-0.255
A018151_01	0.097	0.032	-0.075	-0.047	0.111	0.101	0.027	0.048
A018153_01	0.157 NA		0.018	0.001 NA		-0.127	0.246	0.126
A018154_01	0.134	0.215	0.058	-0.029	0.355	0.602	0.188	0.319
A018155_01	NA	NA	-0.112	0.019 NA		-0.018	0.067	-0.097
A018156_01	-0.063	-0.03	-0.291	-0.117	0.373	0.604	-0.135	-0.21
A018157_01	-0.007	0.25	-0.278	-0.244	-0.197	-0.131	-0.466	-0.218
A018159_01	0.325	0.417	-0.126	-0.071	0.129	0.383	-0.116	-0.041
A018163_01	-1.03 NA		0.079	-0.087	1.254	1.69	0.736	0.885
A018171_01	0.031	-0.093	-0.28	-0.306	0.137	0.284	0.399	0.213
A018174_01	0.096	-0.008	0.1	-0.033	-0.327	-0.735	0.2	0.049
A018175_01	0.402	0.583	0.229	0.148	0.155	0.174	0.088	0.068

A018176_01	0.203	NA	NA	0.433	0.051	0.146	NA	NA	
A018179_01	0.344	NA		0.071	0.077	NA	-0.077	0.172	-0.198
A018182_01	-0.007	NA		-0.131	-0.221	0.009	0.147	-0.084	-0.157
A018183_01	-0.115	-0.024		-0.213	-0.051	0.177	0.483	0.259	0.471
A018185_01	0.139	0.097		-0.049	-0.037	0.119	0.202	-0.163	-0.246
A018189_01	0.473	0.81		-0.122	0.001	0.476	0.686	0.151	0.276
A018193_01	0.268	NA	NA	NA		-0.274	-0.151	NA	NA
A018195_01	0.117	0.171		-0.461	-0.157	-0.005	0.176	0.162	0.083
A018200_01	0.288	NA		-0.055	0.071	0.204	0.061	0.312	0.034
A018204_01	NA	NA		0.118	0.203	NA	-0.164	-0.083	NA
A018205_01	0.579	0.165		0.178	0.225	0.045	-0.147	NA	-0.11
A018206_01	0.235	0.37		0.248	-0.216	0.482	0.487	0.392	0.293
A018207_01	0.253	0.338		0.331	0.054	0.302	0.21	-0.071	-0.052
A018210_01	0.078	0.157		0.162	0.242	NA	-0.176	-0.068	-0.061
A018211_01	-0.217	-0.419		-0.138	-0.067	-0.219	-0.077	-0.078	-0.09
A018214_01	-0.026	0.14		-0.058	-0.077	0.339	0.579	-0.006	0.078
A018216_01	0.047	0.088	NA	NA	NA		0.087	NA	NA
A018226_01	0.082	NA		-0.209	-0.231	NA	-0.072	0.293	0.288
A018234_01	0.02	NA		-0.38	NA	NA	0.002	NA	NA
A018237_01	-0.539	-0.855		-0.157	-0.223	-0.365	-0.211	-0.234	-0.328
A018239_01	-0.765	NA		0.458	0.174	1.008	1.184	NA	NA
A018240_01	0.263	0.445		0.181	-0.059	-0.2	-0.405	-0.231	-0.294
A018241_01	0.075	0.008		0.051	0.056	0.041	-0.125	0.214	0.228
A018242_01	0.164	NA	NA		-0.063	-0.097	-0.145	0.131	-0.19
A018243_01	0.109	-0.058		0.292	0.105	0.172	0.188	0.131	0.04
A018248_01	0.247	NA		-0.165	0.071	-0.285	-0.229	0.041	NA
A018249_01	0.374	NA	NA		-0.385	NA	NA	0.418	0.225
A018251_01	0.328	0.487		0.299	0.002	-0.523	-0.768	-0.895	-0.873
A018253_01	-0.046	NA		0.014	-0.187	0.085	-0.055	0.111	-0.025
A018254_01	-0.032	-0.076		0.182	0.021	-0.036	-0.184	0.073	-0.069
A018256_01	-0.12	NA		0.224	0.262	-0.626	-0.793	-0.039	-0.207
A018258_01	0.149	0.177		0.185	0.068	0.519	0.456	0.064	0.073
A018259_01	-0.325	-0.437		-0.213	-0.249	0.803	1.113	0.136	-0.095
A018264_01	0.094	0.038		-0.16	-0.273	0.068	0.135	0.165	0.155
A018266_01	0.184	0.085		0.02	-0.07	0.317	0.191	-0.023	-0.19
A018267_01	0.081	0.258		-0.009	-0.196	0.216	0.305	0.063	0.172
A018269_01	0.16	0.147		0.229	0.222	-0.581	-0.825	-0.068	-0.408
A018270_01	0.174	0.329		0.143	0.005	0.516	0.603	-0.421	-0.535
A018272_01	0.017	0.101		-0.158	-0.28	0.59	0.631	0.102	0.15
A018273_01	0.185	0.093		0.087	-0.134	0.062	-0.103	-0.093	-0.117
A018276_01	-0.317	-0.245		-0.247	-0.233	-0.317	-0.274	0.151	-0.082
A018277_01	-0.069	-0.162		0.118	-0.131	-0.976	-0.986	-0.621	-0.664
A018280_01	0.286	0.114		-0.015	0.007	0.469	0.544	0.319	0.246
A018297_01	-0.599	-0.529		-0.084	-0.094	-0.507	-0.474	-0.087	-0.057
A018300_01	-0.26	-0.24		0.126	0.263	-0.872	-0.786	0.014	0.092
A018304_01	-0.153	NA		-0.191	NA	0.07	0.086	0.108	NA
A018307_01	-0.065	0.264		0.112	0.066	0.386	0.467	0.006	-0.014
A018308_01	0.262	0.355		-0.372	-0.62	-0.482	-0.656	-0.619	-0.429
A018312_01	-0.207	-0.068		0	-0.104	-0.24	-0.402	NA	-0.157
A018314_01	0.192	-0.046		-0.264	-0.223	0.248	0.28	0.135	0.114
A018315_01	0.017	NA		0.287	0.031	0.02	0.022	-0.133	-0.303
A018319_01	0.69	0.552		-0.419	-0.302	-0.237	-0.332	0.213	-0.189
A018321_01	-0.067	NA	NA		-0.171	0.12	0.148	NA	NA
A018323_01	0.042	-0.021		0.233	-0.046	-0.276	-0.471	NA	0.251
A018330_01	0.25	0.05		0.116	NA	0.016	-0.121	NA	-0.14
A018334_01	-0.005	0.112		-0.088	0.18	-0.278	-0.21	0.088	-0.032
A018338_01	-0.011	0.048		0.027	-0.32	0.282	0.238	0.096	0.14
A018340_01	0.436	0.212		-0.045	-0.186	NA	-0.022	NA	NA
A018343_01	0.116	NA		0.272	0.02	-0.4	-0.672	NA	NA
A018344_01	NA	NA		-0.261	-0.385	-0.352	-0.43	0.184	-0.097
A018348_01	0.519	0.429		-0.469	-0.262	0.076	0.226	-0.049	-0.123
A018349_01	-0.505	NA		0.452	0.304	0.088	0.232	-0.486	-0.501
A018354_01	-0.021	0.021		-0.03	-0.208	0.392	0.419	NA	-0.311
A018355_01	-0.658	NA		-0.031	-0.222	0.167	0.019	NA	-0.516
A018357_01	0	0.013		0.307	0.002	0.157	0.14	0.112	0.103
A018358_01	-0.148	0.357		0.252	0.151	-0.346	-0.071	-0.092	0.196
A018362_01	0.175	NA		-0.251	-0.243	0.192	0.142	0.46	0.417
A018371_01	0.058	NA		0.038	-0.012	NA	0.21	NA	0.103

A018373_01	0.252	0.215	0.497	0.34	0.365	0.313	NA	NA	
A018377_01	0.103	-0.234	-0.082	-0.195	-0.127	-0.289	0.136		-0.028
A018384_01	0.278	NA	0.27	0.018	0.334	0.241	NA		-0.288
A018386_01	0.179	0.238	0.04	-0.155	0.184	0.184	0.307		0.398
A018393_01	-0.442	NA	-0.05	-0.114	-0.085	-0.016	NA	NA	
A018395_01	-0.223	-0.423	0.082	0.04	-0.761	-0.884	-0.068		-0.285
A018397_01	-0.009	0.335	-0.007	-0.024	0.365	0.393	-0.174		-0.084
A018399_01	0.038	0.073	-0.102	-0.1	-0.044	0.14	0.011		0.092
A018406_01	0.109	0.051	-0.208	-0.04	0.107	0.051	0.188		0.066
A018411_01	0.01	0.047	-0.145	-0.258	0.044	-0.015	NA	NA	
A018412_01	-0.133	0.135	-0.251	-0.065	0.093	0.169	-0.003		0.193
A018421_01	-0.15	-0.002	0.125	0.051	-0.291	-0.033	0.007		0.235
A018423_01	0.209	0.008	0.14	-0.058	0.53	0.644	0.038		-0.087
A018426_01	0.024	-0.2	-0.079	-0.26	0.091	-0.061	0.262		0.119
A018427_01	-0.132	-0.072	-0.248	-0.286	-0.124	0.022	0.144		0.049
A018428_01	-0.282	NA	-0.092	0.018	-0.874	-0.95	NA	NA	
A018432_01	0.276	0.045	0.181	0.119	0.34	0.178	0.215		-0.251
A018440_01	0.181	0.117	-0.045	-0.036	0.5	0.689	0.015		0.028
A018442_01	-0.037	-0.117	0.229	0.172	0.158	0.377	-0.171		-0.281
A018445_01	0.019	NA	-0.012	-0.245	NA	-0.368	NA		-0.202
A018446_01	0.245	NA	0.05	-0.167	NA	-0.152	0.188		-0.002
A018448_01	-0.071	-0.246	0.006	-0.047	-0.465	-0.633	0.326		0.119
A018450_01	-0.671	-0.688	-0.292	-0.059	-2.093	-2.543	-0.959		-1.171
A018454_01	0.137	-0.16	-0.171	-0.057	0.192	0.117	NA		0.124
A018460_01	0.248	0.095	-0.01	-0.056	0.247	0.12	NA		-0.149
A018461_01	-0.299	0.108	-0.249	-0.551	0.259	0.347	0.256		0.42
A018466_01	-0.165	NA	0.147	-0.008	0.269	0.294	NA		-0.03
A018467_01	-0.82	NA	-0.454	NA	NA	NA	NA		-1.032
A018477_01	-0.169	0.052	-0.127	-0.331	0.033	0.183	0.065		0.136
A018480_01	-0.056	0.01	0.137	-0.071	0.121	0.101	0.089		0.19
A018484_01	0.102	0.083	-0.046	-0.055	-0.045	-0.112	0.185		0.108
A018486_01	0.04	-0.204	-0.201	-0.337	-0.031	-0.208	0.173		-0.101
A018488_01	-0.216	-0.162	0.21	0.271	-0.426	-0.763	-0.025		-0.222
A018497_01	0.427	0.28	0.249	0.036	0.002	-0.043	-0.077		-0.152
A018499_01	0.378	NA	-0.073	-0.226	-0.055	-0.317	NA	NA	
A018500_01	-0.083	-0.392	-0.056	-0.093	-0.033	-0.075	-0.158		-0.407
A018501_01	0.215	0.327	-0.029	-0.009	0.245	0.134	-0.056		-0.053
A018502_01	-0.194	0.002	0.146	-0.024	0.142	0.295	-0.201		-0.07
A018505_01	0.253	0.287	0.11	-0.117	0.191	-0.057	0.091		0.125
A018506_01	-0.253	-0.228	-0.18	0.007	-0.685	-0.828	-0.296		-0.377
A018510_01	0.046	0.126	-0.11	-0.205	0.445	0.498	0.207		0.12
A018516_01	0.113	0.213	-0.109	-0.099	0.146	0.345	-0.205		0.143
A018517_01	0.051	-0.101	-0.234	-0.221	-0.082	-0.013	-0.06		-0.17
A018518_01	NA	0.333	-0.09	-0.182	0.251	0.253	0.217		0.334
A018519_01	0.239	0.173	-0.238	-0.192	0.216	0.222	0.152		0.132
A018520_01	-0.16	NA	0.062	0.144	NA	-0.742	0.046		-0.048
A018522_01	0.21	0.02	0.076	0.046	-0.149	-0.215	0.15		0.012
A018523_01	0.118	0.144	0.005	NA	-0.112	0.014	NA	NA	
A018528_01	0.233	NA	0.246	-0.166	0.234	0.317	NA		0.058
A018530_01	-0.055	-0.157	0.045	NA	-0.285	-0.452	NA	NA	
A018531_01	0.283	NA	0.463	0.184	NA	NA	-0.084		-0.18
A018533_01	0.368	0.059	-0.131	0.027	0.04	0.142	0.142		0.055
A018536_01	0.104	0.128	-0.172	-0.016	-0.015	0.008	NA	NA	
A018545_01	-0.204	NA	0.304	0.051	0.361	0.411	NA		-0.3
A018554_01	0.165	-0.209	0.111	-0.013	0.184	0.226	-0.028	NA	
A018560_01	-0.049	-0.008	-0.106	-0.22	0.332	0.359	0.241		0.266
A018561_01	0.435	0.29	0.135	0.107	-0.135	-0.397	0.187		-0.148
A018563_01	0.101	NA	-0.122	-0.088	0.089	-0.025	0.271		0.039
A018564_01	0.357	0.099	-0.543	-0.477	0.044	0.084	0.406		0.359
A018566_01	NA	NA	-0.415	-0.218	NA	-0.192	0.247		0.092
A018568_01	-0.191	NA	0.368	0.112	NA	NA	NA		-0.194
A018575_01	-0.014	-0.032	0.099	0.011	-0.012	-0.084	-0.011		0.064
A018581_01	0.22	0.045	0.058	-0.187	0.34	0.119	0.155		0.063
A018583_01	0.056	-0.09	0.148	0.252	0.362	0.455	NA	NA	
A018587_01	0.127	-0.085	NA	NA	0.463	0.292	NA		-0.175
A018589_01	-0.096	NA	-0.096	NA	0.127	0.112	NA	NA	
A018590_01	0.281	0.314	0.086	0.06	NA	-0.156	-0.054		-0.214
A018591_01	0.178	0.081	0.005	-0.199	0.158	0.16	-0.099		-0.101

A018598_01	0.306 NA	NA		0.136 NA	NA	NA		-0.115
A018600_01	0.163	0.261	0.379	0.522	-0.303	-0.191	0.195	0.557
A018604_01	-0.131	-0.048	0.057	0.095	-0.664	-0.702	0.074	0.033
A018607_01	0.72	0.829	-0.398	-0.337	0.865	0.781	0.479	0.436
A018613_01	-0.695	-0.952	0.204	0.179	0.762	0.975 NA	NA	
A018617_01	-0.04	0.047	0.124	0.07	0.226	0.38	0.159	0.262
A018618_01	-0.162	0.154	-0.186	-0.243	0.244	0.586	-0.12	0.216
A018620_01	-0.125	-0.416	-0.233	-0.306	-0.384	-0.499	0.159	-0.02
A018621_01	0.246	-0.025	-0.021	0.072	-0.187	-0.264	0.174	-0.323
A018625_01	0.223	0.06	-0.223	-0.116	0.43	0.482	0.245	0.066
A018628_01	0.118	0.088	0.014	0.039	0.192	0.285	0.104	0.009
A018630_01	0.13	0.134	0.571	0.458	0.33	0.462	-0.02	-0.217
A018635_01	-0.304	-0.481	0.365	0.368	-0.737	-0.876	-0.023	-0.286
A018637_01	0.191	0.211	0.076	0.133	0.184	0.157	0.057	-0.071
A018638_01	-0.888	-0.77	-0.266	-0.289	-1.218	-1.233	-0.292	-0.374
A018647_01	-0.287	-0.136	0.131	0.205	-0.117	-0.026	-0.246	-0.153
A018649_01	0.127	0.19	0.032	-0.04	0.063	-0.032	-0.097	-0.057
A018652_01	0.157 NA		-0.024	-0.091 NA	NA		0.158	-0.086
A018655_01	0.456	0.482	-0.291	-0.146	0.63	0.679	0.378	0.327
A018662_01	-0.598	-0.713	-0.231	-0.177	-1.159	-1.309	-0.01	-0.078
A018663_01	-0.071	-0.272	-0.098	-0.164	-0.082	-0.104	0.111	0.058
A018665_01	-0.054	0.305	0.456	0.446	0.536	0.765	-0.273	0.072
A018666_01	0.311 NA		0.172	0.054 NA		-0.181	0.292	-0.1
A018667_01	0.1	-0.044	0.149	-0.079	0.121	-0.093	0.331	0.012
A018672_01	-0.108	-0.21	0.553	0.588	0.908	1.223	0.51	0.371
A018673_01	0.498	0.487	0.314	0.736	-0.63	-0.813	-0.626	-0.817
A018675_01	0.056 NA		0.341	-0.008 NA		-0.517	0.058	-0.065
A018678_01	-0.227	-0.136	0.402	0.352	-0.129	-0.048	-0.032	-0.2
A018682_01	0.1	0.17	-0.304	-0.304	0.008	0.217	-0.076	0.163
A018686_01	-0.253 NA		0.11	0.041	-0.155	-0.291	-0.015	-0.123
A018687_01	1.208	0.874 NA	NA		-0.979	-1.408	1.018	0.729
A018688_01	0.366	0.198	-0.036	-0.114	0.141	0.422	-0.125	0.145
A018694_01	-0.322 NA		0.13	0.073 NA		-0.771 NA		-0.239
A018696_01	0.127	0.138	0.12	0.107	0.094	0.169	0.01	-0.108
A018699_01	0.388	0.464	0.263	0.163	0.558	0.353 NA		-0.099
A018707_01	0.021	0.093	0.235	-0.051	0.214	0.064	0.115	0.108
A018708_01	0.122	0.336	-0.138	-0.093	0.06	0.326	-0.113	0.091
A018709_01	-0.951	-0.62	-1.142	-0.913	0.326	0.752	-0.23	-0.255
A018710_01	0.078	-0.157	-0.32	-0.105	-0.31	-0.126	0.144	-0.011
A018711_01	-0.031	-0.141	1.004	0.652	-0.729	-0.882	-0.619	-0.739
A018712_01	0.307	0.381	0.382	0.154	-0.178	-0.323 NA		-0.36
A018714_01	-0.296	-0.219	0.266	0.331	0.272	0.639	-0.541	-0.605
A018715_01	-0.345	-0.271	-0.304	-0.298	0.113	0.487	0.084	0.086
A018717_01	0.072	0.024	0	-0.049	0.194	0.389	0.052	0.033
A018720_01	0.285	0.188	-0.073	-0.157	0.261	0.131	0.114 NA	
A018723_01	0.343	0.119	-0.007	-0.202	0.282	0.254	0.102	-0.12
A018737_01	0.323	0.118	0.204	0.101	-0.287	-0.47	0.088	-0.225
A018742_01	0.091	-0.016	0.002	0.051	0.147	0.257	0.307	0.178
A018746_01	0.058 NA	NA	NA	NA		0.008 NA	NA	
A018753_01	0.074 NA		-0.323	-0.423	0.294	0.455	0.274	0.432
A018758_01	0.049	0.121	0.025	0.181	-0.032	-0.038	0.001	-0.074
A018771_01	-0.171 NA		-0.3	-0.076	0.042	0.037 NA		-0.072
A018772_01	0.26	0.195	-0.157	-0.1	0.298	0.245	0.123	0.06
A018774_01	-0.119	0.041	0.12	0.033	0.192	0.398	-0.551	-0.555
A018778_01	0.03	-0.072	-0.227	-0.059	-0.169	-0.025	0.199	0.07
A018779_01	0.347	-0.019	-0.209	-0.196	-0.054	0 NA		-0.198
A018781_01	0.866	0.851	0.516	0.318	-0.326	-0.448	-0.356	-0.061
A018786_01	0.21	0.129	-0.099	-0.301	0.306	0.155	-0.204	-0.191
A018793_01	0.348 NA		-0.041	-0.215	0.13	0.077 NA		-0.14
A018795_01	-0.476 NA		0.348	0.182	0.309	0.206	0.331	0.215
A018803_01	0.002	-0.181	-0.673	-0.902	-0.143	-0.111	-0.1	-0.104
A018807_01	-0.084 NA		-0.138	-0.306 NA	NA		-0.025	-0.079
A018809_01	-0.083	-0.062	-0.143	-0.063	-0.157	-0.179	-0.069	0.035
A018810_01	0.459	0.436	-0.125	-0.177 NA		-0.005 NA	NA	
A018812_01	0.165 NA		-0.277	-0.367	0.099	0.041 NA		0.027
A018814_01	-1.02	-1.221	0.191	0.14	0.236	0.584	-0.049	-0.214
A018815_01	0.313	0.106	-0.016	0.074	-0.407	-0.403	0.163	-0.157
A018816_01	-0.129 NA		0.011 NA		-0.205	-0.276 NA	NA	

A018818_01	0.292	0.432	-0.388	-0.322	0.117	0.278	-0.188	0.144
A018819_01	0.205 NA		-0.313	-0.324	-0.124	-0.357	0.306	-0.091
A018820_01	0.459	0.593	0.127	-0.115	-0.859	-1.2	0.143	-0.079
A018823_01	-0.439	-0.415	-0.582	-0.673	0.503	0.755	0.479	0.197
A018826_01	-0.061	-0.366	-0.375	-0.138	0.209	0.461	-0.21	-0.422
A018827_01	-0.015	-0.11	-0.298	-0.276	0.232	0.31	0.131	0.032
A018828_01	0.076	-0.218	-0.106	-0.018	-0.095	-0.239	0.232	-0.144
A018832_01	0.251	-0.024	-0.114	0.048	-0.282	-0.264 NA		-0.056
A018833_01	0.178	0.056	0.296	0.256	-0.169	-0.275	-0.325	-0.47
A018834_01	0.233	0.172	0.198	-0.091	0.516	0.393	0.407	0.203
A018840_01	-0.416	-0.429	-0.04	0.037	-0.574	-0.776	-0.079	-0.15
A018841_01	-0.055	0.153	0.078	0.034	0.431	0.678	0.138	0.289
A018842_01	-0.041	-0.168	0.061	0.068	0.196	0.059	0.156	0.018
A018844_01	-0.14	-0.183	-0.147	-0.072	-0.243	-0.307	-0.132	-0.234
A018848_01	0.114	0.025	-0.093	-0.039	-0.203	-0.247	-0.116	-0.143
A018849_01	0.034 NA		-0.072	-0.087 NA		-1.79 NA		-1.141
A018851_01	0.228	0.223	-0.023	0.004	0.048	0.023	0.282	0.273
A018852_01	0.149	-0.025	-0.12	-0.219	0.515	0.375	0.308	0.183
A018862_01	0.036	0.057	0.109	-0.033	-0.003	-0.111	-0.102	-0.028
A018863_01	-0.073	-0.141	-0.083	0.002	-0.08	-0.2	0.114	-0.161
A018864_01	0.233	-0.175	-0.107	-0.216	-0.151	-0.29 NA		-0.225
A018867_01	-0.135	-0.14	0.041	-0.015	-0.035	0.129	0.01	0.085
A018869_01	-0.576	-0.244	-0.128	-0.196	-1.79	-1.739	-0.643	-0.716
A018871_01	0.038	0.154	0.47	0.141	0.069	0.023 NA		-0.334
A018875_01	0.22	0.187	0.266	0.27	-0.296	-0.075	-0.401	-0.375
A018889_01	0.098	-0.007	0.01	-0.09	-0.157	-0.376 NA		-0.169
A018891_01	-3.333	-2.859	-2.273	-2.077 NA	NA	NA	NA	
A018894_01	-0.042	-0.007	-0.091	-0.014	0.114	0.19	0.065	0.069
A018896_01	0.231	0.317	0.264	0.106	0.135	0.16	-0.023	0.006
A018897_01	0.153	-0.027	-0.026	0.064	0.369	0.48	0.203	0.021
A018899_01	-0.05	-0.086	-0.3	-0.222	0.108	0.247 NA	NA	
A018904_01	-0.037	-0.064	-0.238	-0.253	-0.183	-0.164	0.264	0.249
A018906_01	-0.076	-0.144	0.133	-0.007	-0.208	-0.383	-0.056	-0.203
A018908_01	0.395	0.135	0.173	0.072	0.013	-0.13 NA		-0.217
A018909_01	-0.164	-0.376	-0.394	-0.358	-1.023	-1.089	-0.407	-0.493
A018911_01	0.059	0.44	-0.223	-0.226	0.674	1.041	0.033	0.128
A018912_01	-0.142	-0.066	-0.041	-0.111	-0.045	-0.19	0.112	0.003
A018914_01	-0.261	-0.279	0.139	0.127	0.337	0.375	0.105	-0.002
A018915_01	-0.495	-0.426	-0.015	0.091	-0.802	-0.755	-0.669	-0.618
A018919_01	0.257	0.158	0.309	0.199	0.017	-0.104	-0.175	-0.367
A018920_01	0.236	0.048	-0.036	-0.119	0.011	-0.078	0.122	-0.109
A018921_01	0.396	0.056	-0.069	-0.021	0.056	-0.003 NA	NA	
A018922_01	-0.156	-0.201	0.23	0.241	-0.181	-0.077	-0.233	-0.29
A018924_01	0.375	0.039	-0.29	-0.309	0.307	0.078	0.337	-0.09
A018925_01	0.124	-0.043	-0.423	-0.465	0.022	0.071	0.025	0.049
A018931_01	-0.261	-0.351	-0.001	-0.113	-0.224	-0.295	0.165	0.101
A018932_01	0.033	-0.114	0.056	-0.025	0.386	0.409	-0.233	-0.285
A018933_01	-0.404	-0.406	-0.207	-0.136	-0.034	0.207	-0.275	-0.388
A018934_01	0.417	0.464	0.423	0.697	-0.456	-0.641	-0.526	-0.728
A018935_01	-0.141	0.05	0.172 NA		0.766	1.158 NA		-0.31
A018936_01	0.023	-0.049	-0.086	-0.205	0.161	0.052	0.173	0.079
A018937_01	NA	0.014	-0.258	-0.389	0.396	0.632	0.004	0.026
A018942_01	0.278	0.169	-0.168	0.142	0.429	0.511	0.172	-0.028
A018949_01	0.061	-0.1	-0.458	-0.64	0.544	0.501	0.724	0.569
A018950_01	-0.084	-0.116	0.044	-0.085	-0.212	-0.111	-0.103	0.064
A018952_01	0.173	0.398	0.099	0.007	0.089	0.158	0.079	0.223
A018955_01	-0.346	-0.374	-0.168	-0.227	-0.263	-0.375 NA		-0.074
A018959_01	0.352	-0.041	-0.12	-0.126	-0.118	-0.184	0.171	-0.227
A018961_01	0.04 NA		0.388 NA		-0.448	-0.364 NA	NA	
A018963_01	0.228 NA		0.445	0.203 NA	NA		-0.034	-0.297
A018964_01	0.307	0.198	-0.164	-0.214	0.033	0.013	0.117	-0.022
A018970_01	0.025	-0.201	-0.448 NA	NA		0.185 NA	NA	
A018973_01	0.103	-0.105	0.065	-0.023	0.281	0.362	0.143	0.037
A018974_01	-0.001	-0.133	-0.298	-0.367	-0.118	-0.247	-0.022	-0.208
A018975_01	-0.056	-0.294	-0.267	-0.364	0.025	0.178 NA		-0.536
A018979_01	0.266 NA		-0.112	-0.25	0.052	-0.167	-0.051	-0.195
A018982_01	0.082	-0.06	-0.198	-0.149	-0.078	0.031	0.105	-0.012
A018983_01	0.304	0.047 NA		-0.422	-0.059	-0.239 NA		-0.336

A018986_01		0.505	0.46	0.047	-0.001	0.582	0.58	NA	-0.304
A018988_01		0.066	0.039	-0.242	-0.333	0.01	0.075		0.133
A018991_01		0.325	NA	-0.131	0.026	NA		-0.076	-0.027
A018992_01		-0.135	-0.35	-0.23	-0.281	-0.194	-0.142	0.066	-0.02
A018998_01		0.269	NA	0.008	-0.07	0.089	0.034	0.252	-0.021
A019000_01		0.7	0.329	0.152	0.195	0.338	0.402	-0.168	-0.299
A019002_01		0.09	0.223	-0.662	-0.87	-0.817	-0.901	NA	NA
A019012_01		0.018	-0.069	-0.097	-0.146	0.134	0.071	0.045	-0.139
A019014_01		0.099	0.215	-0.193	-0.092	0.111	0.194	-0.087	-0.22
A019017_01	NA		0.044	0.42	0.268	NA	-0.37	NA	NA
A019021_01		-0.182	-0.087	-0.127	-0.246	0.269	0.102	0.133	0.088
A019022_01		0.144	-0.075	-0.209	-0.091	0.01	-0.083	0.581	0.588
A019026_01		0.354	NA	0.461	0.111	-0.004	-0.477	NA	-0.396
A019027_01		-0.084	-0.465	0.146	-0.006	-0.661	-0.937	-0.135	-0.397
A019032_01		-1.087	-1.077	-0.211	-0.329	-0.359	-0.369	0.046	0.151
A019033_01		0.515	0.087	0.502	0.134	0.139	-0.143	NA	NA
A019040_01		-0.155	-0.159	-0.179	0.084	-0.326	-0.23	0.024	-0.188
A019041_01		-0.544	-0.566	0.022	-0.144	-0.477	-0.181	-0.118	0.352
A019043_01	NA		NA	-0.013	-0.225	NA	0.248	NA	0.059
A019046_01		0.276	0.39	-0.125	-0.416	0.581	0.815	0.382	0.641
A019047_01		0.028	NA	0.387	0.141	NA	-0.48	NA	-0.36
A019049_01		0.02	-0.034	-0.261	-0.333	0.21	0.136	0.412	0.09
A019050_01		-0.119	0.018	-0.078	-0.032	0.3	0.617	0.333	0.361
A019053_01		0.133	0.069	-0.027	0.108	-0.783	-0.988	-0.151	-0.16
A019057_01		-0.04	-0.042	-0.07	-0.139	0.135	0.154	0.234	0.292
A019059_01		0.322	-0.132	-0.317	-0.289	0.237	0.262	0.263	-0.058
A019060_01		-0.064	0.068	0.174	0.246	0.099	0.269	-0.078	-0.033
A019064_01		-0.29	-0.082	-0.045	0.041	-0.146	-0.055	0.15	0.073
A019068_01		0.349	NA	0.186	0.165	0.108	-0.147	NA	-0.126
A019074_01		-0.505	NA	NA	-0.921	NA	NA	NA	-0.329
A019081_01		0.25	0.178	-0.029	-0.033	0.063	-0.224	0.105	-0.006
A019086_01		0.027	0.206	0.162	-0.002	0.114	0.093	0.05	0.076
A019089_01	NA		-0.015	0.284	0.493	NA	-0.338	NA	NA
A019092_01		0.101	0.02	0.23	0.17	-0.415	-0.553	0.006	-0.081
A019094_01		0.133	0.301	0.127	0.003	0.301	0.251	NA	0.095
A019098_01		0.203	-0.244	-0.105	-0.205	0.145	-0.277	0.315	-0.122
A019106_01		0.133	-0.1	-0.081	-0.222	-0.298	-0.297	0.013	-0.144
A019110_01		0.074	0.265	-0.123	-0.321	0.18	0.255	0.066	0.283
A019116_01		0.058	-0.03	-0.16	0.053	-0.309	-0.3	0.211	-0.005
A019127_01		-0.929	-1.105	-0.291	-0.255	-0.914	-0.969	NA	-0.416
A019139_01		-0.046	0.28	-0.292	-0.307	0.301	0.162	0.195	0.008
A019143_01		-0.265	-0.483	0.112	0.055	-0.391	-0.701	0.243	-0.181
A019145_01		-1.327	-1.15	-0.088	-0.308	-1.021	-1.128	-0.661	-0.743
A019146_01		0.071	-0.281	NA	-0.601	0.115	0.088	NA	-0.257
A019151_01		0.251	0.143	0.17	0.123	-0.233	-0.287	-0.269	-0.379
A019155_01		0.16	-0.183	0.194	-0.007	0.197	0.124	0.111	-0.051
A019171_01		0.16	0.371	-0.057	0.127	-0.016	-0.105	0.042	-0.039
A019174_01	NA		-0.094	0.005	-0.219	0.122	0.213	-0.084	-0.084
A019181_01		0.291	-0.018	0.068	-0.191	0.183	0.038	0.236	-0.034
A019186_01	NA		NA	-0.097	-0.054	NA	NA	-1.374	-1.494
A019187_01		-0.158	-0.046	0.122	0.186	-0.651	-0.798	-0.195	-0.22
A019188_01		-0.2	-0.316	0.478	0.324	0.738	0.677	0.323	0.029
A019192_01		0.26	0.049	-0.035	0.267	-0.337	-0.421	-0.13	-0.335
A019196_01		0.004	NA	0.263	-0.137	0.035	-0.018	NA	NA
A019200_01		0.116	0.159	-0.568	-0.214	-0.262	-0.139	0.24	0.291
A019206_01		0.323	0.044	0.082	0.007	0.073	-0.012	-0.077	-0.193
A019211_01		-0.001	0.057	-0.218	-0.066	0.149	0.097	0.216	0.116
A019213_01		-0.549	0.304	-0.003	-0.208	0.844	0.552	0.134	0.566
A019216_01		0.02	-0.087	-0.17	-0.456	0.203	0.214	NA	-0.066
A019229_01		0.296	0.295	-0.101	0.118	0.018	-0.018	0.193	0.081
A019231_01	NA		0.025	0.168	-0.219	NA	-0.441	NA	NA
A019244_01	NA		0.001	-0.201	-0.152	-0.03	0.027	-0.015	-0.042
A019247_01		0.342	0.532	0.459	0.545	0.206	0.409	0.015	0.009
A019249_01		0.174	0.278	0.097	0.053	0.299	0.295	0.04	0.043
A019252_01		-0.115	0.22	0.153	-0.035	0.395	0.921	0.1	0.43
A019253_01		-0.11	-0.058	-0.196	-0.088	0.028	0.043	0.098	0.048
A019255_01	NA		0.405	-0.052	0.046	NA	0.068	0.039	-0.117
A019261_01		-0.071	-0.239	0.039	0.041	-0.239	-0.398	-0.007	-0.229

A019274_01	NA		0.411	-0.694	-0.598	-0.267	-0.084	-0.242	-0.341
A019281_01		0.094	-0.122	-0.108	-0.156	-0.379	-0.681	-0.018	-0.272
A019289_01		-0.154	-0.042	-0.168	-0.076	-0.18	-0.191	0.283	0.23
A019291_01		0.115	-0.028	0.31	0.356	0.057	0.054	0.076	0.044
A019293_01		0.092	NA	0.448	0.132	NA	NA	0.027	-0.063
A019301_01		0.316	0.262	0.2	-0.018	-0.027	-0.092	0.022	0.098
A019303_01		-0.036	NA	-0.003	-0.194	0.146	-0.213	0.113	-0.024
A019305_01		-0.452	-0.273	-0.631	-0.772	0.151	0.032	NA	-1.787
A019308_01		0.064	0.173	0.44	0.395	0.077	0.036	-0.544	-0.537
A019312_01		-0.07	0.194	0.132	0.148	0.271	0.357	-0.222	-0.046
A019318_01		-0.01	0.14	0.132	0.4	-0.099	0.118	0.123	0.064
A019324_01	NA		-0.743	-0.423	-0.421	-1.013	-1.137	-0.115	-0.279
A019325_01		-0.968	-0.683	0.177	0.119	-0.202	-0.101	-0.212	-0.268
A019326_01		-0.29	-0.167	-0.157	-0.251	-0.054	-0.041	0.305	0.203
A019328_01		-0.334	-0.241	0.034	-0.191	0.413	0.719	0.026	0.136
A019330_01		-0.197	-0.249	-0.029	0.147	-0.196	-0.322	-0.006	-0.025
A019331_01		0.089	0.086	-0.356	-0.567	0.611	0.86	0.063	0.086
A019336_01		0.4	0.279	-0.095	-0.161	0.009	-0.059	0.115	-0.003
A019338_01		0.197	0.106	-0.276	-0.326	0.156	-0.049	0.288	0.165
A019340_01		0.017	-0.031	0.091	-0.06	0.072	0.147	-0.056	0.147
A019343_01		-0.236	-0.162	0.348	0.289	0.181	0.337	0.08	-0.012
A019353_01		0.107	NA	0.109	NA	NA	-0.283	NA	0.014
A019356_01		0.205	NA	-0.724	-0.878	NA	-0.348	NA	NA
A019358_01		0.168	0.11	0.681	0.64	0.288	0.212	-0.235	-0.42
A019361_01		0.374	0.342	0.001	0.047	0.08	0.051	0.031	-0.084
A019367_01		0.136	-0.011	0.04	-0.077	0.028	-0.067	0.051	-0.143
A019372_01		-0.178	0.101	-0.003	-0.065	0.1	0.194	0.204	0.131
A019383_01		0.024	0.05	NA	0.186	0.485	0.59	0.209	0.181
A019387_01		0.21	0.224	0.044	NA	0.008	-0.106	NA	NA
A019395_01		0.281	0.048	-0.061	-0.223	0.196	0.189	NA	-0.005
A019398_01		-0.287	-0.072	0.176	0.065	-0.578	-0.887	-0.098	-0.102
A019400_01		-0.149	NA	-0.278	-0.22	-0.292	-0.333	0.069	0.144
A019403_01		0.083	0.116	0.094	0.171	-0.104	-0.086	NA	NA
A019407_01		-0.035	0.023	0.082	0.246	-0.008	0.128	-0.121	-0.106
A019411_01		0.024	NA	-0.074	-0.137	0.178	0.256	NA	0.057
A019414_01		-0.021	0.023	-0.103	-0.101	0.014	0.169	0.124	0.152
A019419_01		0.091	-0.007	0.13	0.19	0.314	0.449	-0.049	0.078
A019423_01		0.303	NA	-0.209	-0.014	0.169	0.209	NA	-0.255
A019424_01		0.223	NA	-0.177	-0.338	0.559	0.645	0.001	-0.05
A019425_01		0.974	1.067	0.871	0.524	-0.37	-0.654	-0.889	-0.577
A019428_01		0.015	0.035	0.19	-0.011	-0.013	0.022	-0.33	-0.443
A019429_01		0.133	0.233	NA	NA	-0.402	-0.169	NA	NA
A019431_01		0.231	0.004	0.044	0.324	-0.03	-0.203	0.163	-0.152
A019436_01		-0.538	-0.083	0.092	-0.001	-0.316	-0.253	-0.246	0.057
A019438_01		-0.09	-0.074	0.005	0.202	-0.281	-0.307	-0.078	-0.134
A019442_01		-0.11	NA	0.217	0.083	NA	-0.24	NA	-0.003
A019443_01		-0.22	-0.399	-0.333	-0.098	-0.423	-0.293	0.058	-0.012
A019444_01		-0.035	0.239	-0.305	-0.506	0.119	0.58	0.069	0.401
A019445_01		0.222	0.063	-0.216	-0.024	0.096	-0.019	0.191	0.072
A019447_01		0.277	0.456	0.389	0.232	-0.455	-0.637	NA	NA
A019451_01		-0.726	-0.125	0.865	0.795	1.08	1.644	0.084	0.451
A019456_01		0.094	NA	-0.287	-0.315	0.519	0.514	0.223	0.299
A019457_01		0.086	0.322	-0.24	-0.363	0.141	0.231	0.053	0.347
A019458_01		-0.248	-0.251	0.012	0.055	0.263	0.346	0.085	-0.021
A019460_01		0.23	0.168	0.101	-0.003	0.15	0.183	0.247	0.124
A019461_01		0.061	0.121	-0.467	-0.316	-0.133	-0.115	0.219	0.288
A019465_01		0.353	NA	-0.016	0.079	NA	-0.262	0.038	-0.176
A019466_01		0.495	0.443	0.382	0.2	0.06	-0.183	-0.071	-0.098
A019469_01		-0.185	-0.096	-0.15	0.16	-0.564	-0.453	-0.284	-0.241
A019472_01		-0.262	0.233	-1.079	-0.989	0.513	0.95	0.116	0.402
A019474_01		0.094	0.09	-0.158	-0.148	0.02	0.209	-0.228	-0.053
A019475_01		0.278	0.055	0.121	0.244	0.599	0.71	0.189	0.041
A019480_01		-0.274	-0.139	-0.087	-0.015	-1.098	-1.225	-0.334	NA
A019485_01		0.315	0.295	0.07	-0.064	-0.736	-0.945	NA	NA
A019491_01		-0.665	-0.669	0.229	0.202	0.105	0.269	-0.419	-0.051
A019493_01		0.384	NA	0.105	0.238	NA	0.019	NA	-0.261
A019495_01		0.327	NA	0.276	0.156	NA	-0.177	-0.152	-0.078
A019496_01		-0.837	-0.726	0.042	0.032	-0.655	-0.658	-0.665	-0.536

A019497_01		-0.013	0.005	-0.034	-0.126	-0.011	0.123 NA	NA	
A019500_01		0.223 NA		-0.027	0.104 NA		-0.202	0.059	-0.098
A019502_01		0.319	0.373	0.408	0.385	0.065	-0.074	-0.173	-0.276
A019505_01		0.02	-0.055	-0.073	-0.12	-0.373	-0.546	0.091	-0.073
A019510_01		-0.421	-0.098	-0.094	-0.15	0.341	0.437	0.134	0.233
A019513_01		-0.002	-0.269	-0.351	-0.168	-0.676	-0.818	-0.031	-0.239
A019514_01		0.014	0.039	-0.193	-0.283	-0.083	-0.072	0.116	0.196
A019515_01		-0.228	-0.068	-0.276	-0.233	0.218	0.405	-0.136	-0.136
A019517_01		0.016 NA		0.583	0.405	-0.018	-0.041	-0.442	-0.592
A019520_01		-0.003	0.167 NA	NA		0.134	0.276 NA	NA	
A019521_01		0.048	0.139	-0.033	-0.367	-0.098	-0.15	0.129	0.269
A019524_01		-0.258	-0.337	-0.548 NA		0.091	0.18 NA	NA	
A019525_01		0.403	0.138	0.166	-0.012	0.101	-0.19 NA	NA	
A019526_01		0.024	-0.067	-0.052	0.2	0.804	1.098	0.132	0.047
A019531_01	NA	NA		0.613	0.481	-0.218	-0.312	-0.499	-0.705
A019532_01		-0.592	-0.28	-0.449	-0.748	0.516	0.475 NA		0.011
A019537_01		-0.149 NA		-0.278	-0.41	0.512	0.57 NA		0.164
A019538_01		-0.987	-0.864	0.313	0.274	0.363	0.658	-2.074	-1.874
A019543_01		-0.404 NA		1.24	1.504	0.472	0.567	-0.771	-0.742
A019544_01		0.316	0.384	-0.056	-0.002	-0.387	-0.493	-0.17	-0.288
A019556_01		0.266 NA		0.072	0.258	0.451	0.694	-0.22	-0.336
A019557_01		-0.246	-0.168	-0.195	0.107	-0.224	0.099	-0.025	0.078
A019559_01		-0.239	-0.226	-0.35	-0.537	-0.232	-0.228 NA		0.114
A019560_01		0.181	0.031	-0.437	-0.39	0.457	0.336	0.213	0.169
A019562_01		-1.001	-1.259 NA		-2.087	-1.98	-2.213 NA	NA	
A019566_01		-0.188	-0.1	0.067	0.129	-1.232	-1.409	-0.421	-0.457
A019568_01		-0.178	-0.001	-0.02	-0.229	0.227	0.441 NA	NA	
A019571_01		-0.165	-0.062	0.026	-0.049	0.201	0.304	-0.071	0.087
A019572_01		0.187	-0.014	0.146	0.253	0.388	0.517	-0.211	-0.166
A019573_01		0.105	0.186 NA	NA		0.364	0.321 NA		0.176
A019575_01		0.493	0.536	0.264	0.127	0.429	0.182	0.198	0.043
A019576_01		0 NA		-0.11	-0.258 NA	NA		0.082	0.101
A019578_01		0.387	0.411	0.551	0.284	0.393	0.697	-0.211	-0.007
A019579_01		0.423	0.177	0.286	0.199 NA		-0.093	-0.092	-0.191
A019580_01		-0.05	-0.02	-0.503	-0.358	-0.617	-0.804	-0.158	-0.215
A019582_01		0.283 NA		0.009	-0.253	0.333	0.135 NA		0.111
A019583_01		-0.058	-0.076	0.099	0.064	0.257	0.342	0.031	-0.086
A019584_01		0.074	0.218	-0.137	-0.126	0.224	0.337	-0.263	-0.079
A019585_01		0.102	-0.113	-0.064	-0.049	0.099	0.01	0.157	-0.081
A019587_01		0.371	0.489	-0.077	0.073	-0.705	-0.877	-1.144	-1.06
A019589_01		0.161	-0.089	-0.05	0.163	0.141	0.208	-0.035	-0.138
A019590_01		-0.185	-0.11	-0.09	-0.1	0.073	0.045	-0.005	-0.037
A019591_01		-0.526	-0.604	0.737	0.634	-0.074	-0.227	-0.799	-0.961
A019592_01		-0.092	0.022	-0.114 NA		0.07	0.236 NA	NA	
A019597_01		-0.125	-0.144	-0.049	0.083	-0.102	-0.182	0.058	0.14
A019602_01		-0.474	-0.555	-0.348 NA		-0.37	-0.127 NA	NA	
A019604_01		-0.066	0.112	-0.05	0.219	0.14	0.179	-0.011	0.038
A019606_01		-0.134	-0.188	-0.659	-0.507	0.111	0.485	0.21	0.111
A019608_01		0.112	0.429	0.134	0.164	-0.922	-0.805	-1.05	-0.748
A019609_01		0.206 NA		0.229	0.191 NA		-0.416 NA		-0.261
A019611_01		-0.092	0.243	-0.209	0.059	-0.587	-0.559	-0.754	-0.806
A019612_01		0.195	-0.104	-0.031	0.088	0.141	0.177	0.171	0.002
A019614_01		-0.207	-0.179	-0.117	-0.151	-0.001	-0.028	-0.039	-0.043
A019615_01		-0.186 NA		0	0.108 NA		0.004 NA	NA	
A019617_01	NA		-0.24	-0.502	-0.215 NA		-0.22	0.144	-0.099
A019618_01		0.103 NA		0.178	-0.121 NA	NA	NA		0.101
A019619_01		0.224	0.059	0.088	0.045	-0.302	-0.444	-0.119	-0.15
A019621_01		0.287 NA		-0.08	-0.159 NA		-0.129 NA		-0.212
A019625_01		-0.031	-0.076	0.17	0.108	-0.753	-1.067	-0.228	-0.499
A019626_01		-0.017	0.003	0.009	-0.047	-0.174	-0.406	-0.055	-0.074
A019630_01		-0.153 NA		0.1	0.127	-0.928	-1.077 NA		-0.264
A019632_01		-0.057 NA		-0.229 NA		0.006	0.218	0.044 NA	
A019633_01		-0.336 NA	NA	NA		-0.303	-0.34 NA	NA	
A019635_01		0.345	0.297	-0.018	0.116	-0.406	-0.458	0.026	-0.064
A019636_01		-0.187	0.425	0.253	-0.142	0.522	0.981	-0.061	0.442
A019638_01		-0.615	-0.397	-0.057	-0.005	-0.525	-0.396	-0.173	-0.088
A019640_01		-0.632 NA		0.104 NA		-0.228	-0.047 NA	NA	
A019641_01		-0.36	-0.531	-0.208	-0.229	-1.349	-1.413	-0.256	-0.239

A019642_01	-1.375 NA		0.18	0.032 NA	NA		-0.445	-0.411
A019645_01	0.02	-0.074	-0.103	-0.25	0.223	0.136	0.117	0.084
A019649_01	-0.195	-0.193	-0.146	0.007	-0.557	-0.409	0.041	0.293
A019650_01	0.089	0.078	0.279	0.449	-0.319	-0.411	0.213	0.212
A019654_01	-0.572	-0.429	0.316	0.36	0.443	0.807	0.237	0.191
A019655_01	0.333 NA		0.313	0.162 NA	NA	NA		0.114
A019659_01	0.468	0.078	0.028	0.098 NA		-0.124 NA	NA	
A019662_01	-0.04	0.062	0.062	-0.117	-0.636	-0.653	0.213	0.139
A019663_01	-0.442	-0.627	0.298	0.303	0.255	0.621	0.19	0.06
A019666_01	-0.77	-0.772	1.069	0.783	1.05	1.363	-0.174	-0.182
A019668_01	0.881	0.829	0.337	0.316	0.087	-0.125	0.119	0.105
A019672_01	-0.328	-0.349	-0.254	-0.362	0.033	0.173	0.044	0.16
A019674_01	0.224	0.198	-0.313	-0.179	0.021	0.157	-0.171	-0.105
A019675_01	0.063	0.001	0.389	0.286	0.368	0.353	0.172	0.037
A019677_01	0.074 NA		-0.153 NA		0.3	0.299 NA		-0.191
A019678_01	0.67	1.145	-0.203	-0.433	-0.29	0.22	-0.555	0.031
A019679_01	0.143 NA		-0.16	-0.234	0.331	0.45	0.225	0.085
A019680_01	-2.769	-1.854	-0.849	-0.809	-2.839	-3.375	-1.318	-1.305
A019681_01	0.102	0.06	-0.209	-0.251	0.035	0.085	-0.024	-0.086
A019683_01	-0.063	-0.229	-0.133	-0.17	-0.128	-0.219	0.32	0.179
A019684_01	-0.405	-0.326	0.067	-0.033	0.014	0.004	0.292	0.244
A019686_01	0.332	-0.063	0.33	0.025	0.663	0.62	0.294	0.128
A019691_01	0.115 NA		-0.009	0.106 NA	NA		0.097	0.163
A019692_01	-0.953	-0.552	0.054	0.131	0.892	1.474	0.579	0.913
A019695_01	0.602	0.236	0.049	-0.057	-0.004	-0.113	0.045	0.091
A019698_01	-0.272	-0.088	-0.043	-0.093	0.29	0.662	-0.061	-0.014
A019699_01	0.102	-0.052	-0.133	0.004	0.164	0.158	0.052	0.061
A019707_01	0.25 NA		0.07	0.146 NA		-0.184 NA		-0.132
A019710_01	-0.194	-0.212	-0.018	0.041	-1.349	-1.48	-0.234	-0.209
A019712_01	0.039	0.078	-0.293	-0.141	0.138	0.262	0.36	0.277
A019713_01	-0.141	0.139	0.037	0.16	-0.169	-0.211	-0.236	-0.219
A019714_01	-0.317	-0.079	-0.249	-0.251	-0.028	0.063	0.114	0.216
A019718_01	-0.436	-0.398	-0.267	-0.408	-0.367	-0.678	-0.983	-1.02
A019719_01	0.078	0.092	-0.082	0.005	-0.036	0.006	0.191	0.223
A019724_01	0.637	0.389	0.566	0.318	0.596	0.641	-0.149	-0.197
A019725_01	0.297 NA		0.193	0.058	-0.537	-0.747 NA		-0.229
A019726_01	0.352 NA		0.726	0.571	0.245	0.314 NA	NA	
A019730_01	-0.087	0.141 NA	NA		0.115	0.056 NA		-0.096
A019732_01	-0.301	-0.057	0.005	-0.116	-0.013	0.169	-0.008	0.269
A019733_01	-0.346	-0.283	0.185	0.079	0.03	0.374	-0.495	-0.136
A019734_01	0.177 NA		0.279	0.179 NA		-0.331 NA		-0.423
A019738_01	0.169 NA		0.154	0.129	-0.154	-0.277	0.001	-0.091
A019741_01	-0.518	-0.494	-0.656	-0.682	-0.455	-0.445	-0.218	-0.047
A019744_01	-0.242	-0.489	0.309	0.192	0.201	0.329	0.223	0
A019745_01	-0.046 NA	NA	NA	NA	NA	NA	NA	NA
A019748_01	-1.406 NA		0.193	-0.031 NA	NA		-1.319	-1.207
A019749_01	0.033	-0.045	-0.04	0.01	-0.147	-0.098	0.193	0.013
A019750_01	0.146 NA		-0.06 NA	NA		-0.363 NA	NA	
A019751_01	0.117	0.128	-0.075	-0.073	0.108	0.189	0.123	0.113
A019754_01	0.23	0.152	0.055	-0.233	0.266	-0.05	0.094	-0.068
A019755_01	-0.809	-0.724	0.117 NA		0.878	1.221 NA	NA	
A019756_01	-0.288	-0.171	-0.304	-0.506	-0.015	0.171	-0.018	0.303
A019758_01	-0.485	-0.255	-0.552	-0.648	0.42	0.728	-0.076	-0.12
A019761_01	-0.581	-0.585 NA		0.08	-0.741	-0.897	-0.794	-1.052
A019763_01	-0.011	0.055	0.212	0.152	-0.054	-0.32	-0.096	-0.123
A019766_01	-0.336	-0.198	0.007	0.144	-0.389	-0.064	0.026	0.243
A019768_01	0.231	0.414	-0.052	-0.104	-0.076	-0.184	-0.185	-0.064
A019771_01	-0.698	-0.511	0.008	-0.097	-0.168	-0.22	-0.379	-0.474
A019774_01	-0.091	-0.137	-0.357	-0.155	0.305	0.47	0.246	0.16
A019779_01	-0.052 NA	NA		-0.394 NA	NA	NA		-0.742
A019781_01	0.04	-0.252	0.268	0.166	0.552	0.728	-0.588	-0.886
A019783_01	-0.002	-0.107	-0.043	-0.215	0.201	0.108	-0.063	-0.177
A019785_01	0.123 NA		0.015	-0.13	0.471	0.599	0.545	0.338
A019791_01	0.456	0.105	0.107	0.31	0.01	-0.129	0.231	0.013
A019793_01	-0.413	-0.275	-0.018	-0.068	-0.144	-0.046	-0.061	-0.081
A019794_01	0.038 NA		0.307	0.337	0.017	-0.05	-0.112	-0.072
A019796_01	-0.072	-0.14	-0.078	-0.067	-0.205	-0.151	-0.027	-0.107
A019797_01	0.496 NA		0.413	0.231 NA	NA	NA		-0.186

A019799_01	NA	NA	0.161	0.288	NA	0.568	-0.002	0.025
A019801_01		-0.067	0.055	0.143	0.025	0.208	0.204	0.069
A019805_01		0.017	-0.015	-0.416	-0.144	-0.043	-0.054	0.159
A019806_01		0.153	0.087	0.041	0.114	0.077	0.263	0.145
A019810_01		0.464	0.228	0.021	-0.092	0.394	0.318	0.274
A019812_01		0.151	0.378	-0.069	0.006	-0.003	0.022	-0.088
A019813_01		-0.482	-0.639	-0.255	0.208	-0.588	-0.457	NA
A019815_01		0.063	0.003	-0.025	-0.184	0.244	0.163	-0.025
A019818_01		-0.244	NA	0.155	0.12	0.156	0.045	NA
A019820_01		-0.448	-0.549	-0.125	-0.076	-0.494	-0.617	0.17
A019822_01		0.502	0.415	0.208	0.127	0.312	0.145	-0.08
A019823_01		-0.123	-0.003	-0.095	-0.181	0.093	0.041	0.233
A019826_01		0.265	0.198	0.329	0.282	0.035	0.034	-0.237
A019828_01		-0.096	-0.357	-0.336	-0.312	-0.501	-0.335	-0.081
A019829_01		-0.014	0.416	-0.159	-0.04	-0.008	0.06	0.022
A019830_01		0.089	0.053	-0.181	-0.222	0.278	0.383	NA
A019831_01		0.3	0.158	-0.225	-0.179	0.381	0.401	0.279
A019834_01		-0.302	-0.676	0.056	-0.051	0.36	0.381	-0.091
A019840_01		-0.551	-0.484	-0.322	-0.147	-0.472	-0.319	0.069
A019842_01	NA	NA		-0.191	-0.288	NA	-0.366	0.264
A019843_01		-1.28	-1.208	0.201	0.382	-0.123	0.114	-0.049
A019846_01		0.09	0.104	0.09	-0.027	0.041	0.113	-0.119
A019848_01		0.217	0.084	0.21	0.16	0.238	0.423	0.038
A019851_01		0.289	0.16	0.65	0.304	0.446	0.434	NA
A019854_01		0.123	0.262	0.217	0.081	0.23	0.32	-0.224
A019855_01		-0.206	0.116	0.119	0.235	-1.094	-1.521	-0.645
A019857_01		0.231	0.14	-0.063	-0.068	-0.246	-0.163	-0.253
A019858_01		-0.668	-0.593	0.036	0.01	-0.808	-0.952	-0.14
A019861_01		-0.601	-0.464	-0.499	-0.429	-0.134	0.199	-0.017
A019865_01		0.112	-0.07	0.162	-0.001	0.079	-0.042	0.352
A019866_01		-0.712	-0.523	-0.158	-0.256	-0.272	0.023	-0.297
A019870_01		0.158	-0.018	0.118	0.176	0.043	0.149	-0.033
A019872_01		0.093	0.134	0.243	0.045	NA	-0.424	NA
A019874_01		0.033	0.263	-0.33	-0.289	0.206	0.422	0.358
A019876_01		0.23	NA	0.103	0.056	0.133	-0.07	0.167
A019877_01		0.151	-0.01	-0.015	-0.027	0.008	-0.091	0.091
A019880_01		-0.072	0.012	-0.015	0	0.199	0.266	0.039
A019882_01		-0.107	-0.188	-0.275	-0.184	-1.081	-1.151	-0.239
A019885_01		-0.165	-0.146	-0.326	-0.14	-0.931	-0.858	-0.348
A019886_01		0.261	0.192	0.26	0.207	-0.712	-0.797	0.349
A019887_01		-0.488	-0.371	-0.209	-0.091	-1.064	-1.122	-0.437
A019891_01		-0.155	NA	-0.122	-0.129	NA	NA	0.094
A019892_01		0.04	-0.087	-0.158	-0.109	0.574	0.824	-0.078
A019893_01		0.653	0.543	0.268	0.17	1.016	1.152	-0.121
A019894_01		-0.172	0.129	0.029	-0.009	0.013	0.167	0.05
A019895_01		-0.837	-0.83	-0.437	-0.09	-0.727	-0.639	-0.395
A019897_01		-0.118	NA	NA	-0.044	NA	NA	-0.146
A019898_01		-0.186	0.032	-0.051	0.012	-0.021	0.007	0.202
A019899_01		0.053	0.062	-0.105	-0.16	-0.167	-0.296	0.222
A019900_01		0.221	0.133	-0.234	-0.27	0.207	0.104	0.016
A019901_01		0.247	0.279	-0.017	0.003	0.235	0.197	0.022
A019904_01		0.025	-0.135	-0.023	-0.002	-0.193	-0.387	0.22
A019905_01		-0.034	0.036	-0.07	0.207	-0.393	-0.47	-0.032
A019916_01		-0.016	0.194	0.247	-0.037	0.323	0.337	-0.146
A019918_01		-0.124	NA	NA	0.161	NA	0.018	NA
A019919_01		0.995	0.916	NA	0.448	-0.564	-0.701	NA
A019923_01		0.107	-0.012	0.057	0.129	0.212	0.369	0.171
A019926_01		0.233	0.183	-0.251	-0.414	0.544	0.724	NA
A019927_01		0.161	NA	0.262	NA	0.49	0.49	NA
A019929_01		-0.161	0.113	0.035	-0.227	0.073	0.297	-0.116
A019934_01		-0.262	0.007	0.137	-0.25	-0.58	-0.67	0.01
A019935_01		0.027	-0.009	-0.395	-0.18	-0.068	0.064	-0.065
A019936_01		-0.078	-0.142	0.089	-0.007	-0.328	-0.66	0.098
A019940_01		-0.356	-0.189	0.16	0.361	0.002	0.291	-0.032
A019941_01		0.354	0.432	0.403	0.281	0.541	0.53	-0.043
A019942_01		0.014	0.142	0.397	0.312	0.653	0.858	0.292
A019943_01		-0.075	NA	0	-0.091	NA	-0.395	0.367
A019944_01	NA	NA		0.009	-0.364	NA	-0.707	NA

A019946_01		0.466	0.361	0.401	0.406	-0.494	-0.949	-0.034	-0.231
A019947_01		-0.064	-0.217	-0.2	-0.177	-0.227	-0.412	0.096	0.067
A019949_01		-0.247	-0.015	0.001	-0.093	0.053	0.382	-0.038	0.317
A019952_01		-0.054	-0.162	0.314	0.4	-0.441	-0.475	-0.428	-0.598
A019953_01		-0.339	0.218	0.019	-0.108	0.047	0.516	-0.134	0.682
A019954_01		0.382	0.157	0.076	0.291	0.152	0.165	-0.027	-0.261
A019957_01	NA		-0.055	-0.246	-0.193	-0.579	-0.518	-0.055	-0.017
A019958_01		0.356	-0.072	-0.254	-0.348	0.392	0.206	0.362	0.018
A019964_01		-0.017	0.045	0.556	0.432	0.859	0.983	0.414	0.428
A019965_01		-0.065	-0.001	-0.018	0.005	-0.628	-0.535	0.052	0.32
A019968_01		-0.233	-0.269	0.072	0.08	-0.181	-0.232	0.248	0.265
A019969_01		-0.155	-0.191	-0.064	-0.047	-0.053	-0.146	0.319	0.132
A019970_01		-0.263	-0.171	-0.197	-0.162	0.159	0.361	-0.32	-0.002
A019971_01		-0.014	0.438	-0.103	-0.151	-0.038	0.455	-0.29	0.308
A019972_01	0.099 NA			-0.075	0.02 NA		-0.109	0.184	-0.073
A019973_01		-0.018	-0.229	-0.101	-0.093	-0.26	-0.229	0.149	-0.132
A019975_01		-0.009	-0.148	0.195	0.093	0.52	0.677	0.082	0.106
A019976_01		-1.187	-0.938	1.451	1.074	1.386	1.868	0.208	0.416
A019977_01		0.057	-0.065	-0.069	-0.181	0.158	0.275	0.1	0.143
A019978_01	0.225 NA			0.126	0.13 NA		-0.288 NA	NA	
A019982_01		-0.001	-0.137	-0.028	0.099	-0.269	-0.393	0.004	-0.066
A019983_01		-0.139	-0.162	-0.165	-0.105	0.132	0.1	0.118	0.131
A019985_01		-0.135	-0.067	-0.248	-0.131	0.284	0.426	0.092	0.066
A019987_01		0.06 NA	NA	NA		0.249	0.19 NA		0.059
A019991_01	NA		-0.433	-0.28	-0.086	-0.797	-0.849	-0.24	-0.224
A019995_01		0.241	0.455	-0.168	0.002	0.492	0.661	0.018	0.013
A019997_01		0.331	-0.007	-0.007	0.085	-0.442	-0.393	-0.232	-0.187
A020001_01		-0.831	-0.642	0.055	0.012	-1.141	-0.995	-0.24	0.261
A020005_01		0.769	0.589	0.013	-0.237	0.114	-0.276	0.263	0.125
A020008_01		-0.555	-0.378	-0.13	-0.197	0.003	0.321	-0.267	0.069
A020009_01		-0.199	-0.113	0.399	0.166	0.594	0.739	0.042	0.052
A020012_01		-0.168	-0.202 NA	NA		-0.356	-0.404 NA	NA	
A020014_01		-0.994	-0.616	0.059	0.075 NA		-2.453 NA		-1.083
A020016_01		-0.241	0.109	-0.705	-0.477	-1.05	-1.175	-0.743	-0.604
A020017_01		0.905	0.437	-0.333	-0.248	0.092	-0.029	-0.136	-0.487
A020022_01		0.26 NA		0.026	0.044 NA	NA		-0.096	-0.378
A020023_01		0.3	0.132	-0.081	-0.17	0.206	0.111	0.253	0.091
A020025_01		-0.102	-0.157	0.036	0.004	-0.087	-0.181	-0.026	-0.127
A020031_01		-0.092	-0.171	0.069	-0.045	-0.247	-0.418	0.194	0.014
A020033_01		-0.015	0.154	0.077	-0.158	0.688	0.814	-0.028	0.005
A020035_01		-0.077 NA		0.452	0.541	-0.297	-0.151	-0.498	-0.35
A020036_01		0.239 NA		0.036	0.023 NA		-0.462	0.192	-0.01
A020037_01		-0.23	-0.082	-0.018	0.051	-0.233	-0.224	0.027	0.081
A020039_01	NA		-0.911	-0.077	-0.368	-0.798	-0.725	-0.117	-0.22
A020041_01		-0.053 NA		0.162 NA	NA		0.26 NA	NA	
A020042_01		0.198 NA		-0.744 NA		0.246	0.391 NA		0.152
A020043_01		0.353 NA		-0.087	-0.031 NA		0.23 NA		-0.179
A020045_01		0.367	0.41	-0.804	-0.469	0.253	0.393	0.495	0.478
A020046_01		-0.17	-0.239	-0.226	-0.005	0.073	0.262	0.279	0.138
A020047_01		0.084	-0.11	-0.092	-0.174	0.14	0.062	0.157	-0.112
A020048_01		-0.32	-0.377	-0.066	-0.129	-0.41	-0.436	-0.094	-0.136
A020050_01		-1.201 NA		-0.477	-0.487	-1.745	-1.453 NA	NA	
A020053_01		0.075	0.195	-0.227	-0.118	0.305	0.611	-0.135	-0.172
A020054_01		-0.064	0.032	0.115	0.1	-0.447	-0.437	-0.071	-0.085
A020055_01		-0.044	-0.086	-0.442	-0.434	0.162	0.258	-0.035	0.159
A020056_01		-0.088	-0.151	-0.256	-0.259	0.07	0.239	0.076	0.087
A020060_01		0.375	0.319	0.164	0.255	-0.196	-0.413	-0.212	-0.237
A020061_01		0.332	0.336	-0.153	-0.222	-0.047	0.052	0.382	0.434
A020062_01		0.021	0.557	0.019	-0.025	0.321	0.52	-0.003	0.457
A020064_01		0.795 NA		0.534	0.386	0.682	0.414	0.09	0.066
A020065_01		0.563	0.364	0.218	0.203	0.285	0.298	-0.089	-0.125
A020068_01		0.43	0.759	-0.305	-0.437	-0.163	0.099 NA		-0.109
A020070_01		0.394	0.102	-0.872	-0.735	-0.269	-0.349	-0.665	-0.519
A020071_01		0.084	0.414	-1.185	-1.372	-0.176	-0.231	-0.527	-0.071
A020072_01		-0.027	-0.172	0.136	-0.016	-0.279	-0.428	0	-0.053
A020073_01		0.058	-0.135	-0.044	-0.029	0.124	0.053	0.314	0.041
A020074_01		-0.148	-0.263	0.026	-0.009	0.134	0.035	-0.115	-0.167
A020075_01		-0.035 NA		0.154	0.416	0.127	0.038	0.042	0.124

A020076_01	0.034	0.179 NA		-0.507	-0.522	-0.636	-0.167	-0.053
A020077_01	-0.156	-0.431	-0.161	-0.253	-0.145	0.181	-0.061	0.218
A020078_01	-0.123	-0.249	-0.255 NA		-0.179	-0.077 NA		0.311
A020082_01	0.34	0.208	0.002	-0.157	0.325	0.247	0.247	0.026
A020083_01	-0.051	-0.026	0.022	0.131	-0.013	0.233	0.25	0.461
A020086_01	-0.179	-0.027	-0.084	0.027	-0.726	-0.738	-0.339	-0.32
A020089_01	0.068	-0.118	-0.069	-0.187	0.241	0.279	0.214	0.132
A020090_01	0.155 NA		-0.066	0.062	0.181	0.153	-0.177	-0.001
A020091_01	0.139	0.129	-0.234	-0.261	0.196	0.217	0.139	0.04
A020092_01	-0.032	0.108	-0.033	0.088	-0.237	0.029	-0.304	0.185
A020098_01	0.252	0.183	-0.046	-0.001	0.089	0.115	0.159	0.045
A020099_01	-0.247	-0.046	-0.089	0.14	-0.2	-0.219	0.058	0.091
A020100_01	-0.073	-0.106	0.039	-0.07	0.145	0.025	0.151	-0.052
A020101_01	0.011	-0.015	0.094	0.149	-0.301	-0.288	0.105	-0.043
A020102_01	-0.084	-0.029	-0.398	-0.284	0.129	0.277	-0.19	0.003
A020103_01	-0.067	-0.116	0.219	0.086	0.389	0.506	0.019	0
A020104_01	-0.306	-0.273	0.211	0.199	-0.106	0.028	-0.41	-0.403
A020105_01	-0.073	0.108	-0.424	-0.512	0.573	0.763	0.219	0.316
A020107_01	-0.375	-0.101	-0.171	-0.078	0.043	0.159	0.075	0.098
A020109_01	0.483	0.775	-0.193	0.085	-0.102	-0.199	0.029	0.178
A020116_01	0.086	0.009	0.003	-0.031	0.478	0.647	0.26	0.309
A020119_01	0.318	0.067	0.038	-0.371	0.315	0.245	-0.346	-0.198
A020120_01	-0.202	-0.119	0.104	0.141	-0.374	-0.386	0.049	0.11
A020121_01	0.094	0.074	-0.19	-0.258	0.129	0.239	0.317	0.221
A020122_01	-0.002	0.113	0.257	0.234	0.358	0.326	-0.016	0.086
A020123_01	-0.087 NA		-0.016	-0.121	0.179	0.109	0.232	0.124
A020125_01	-0.196	-0.381	-0.319	-0.305	-0.082	0.083	0.11	0.244
A020126_01	-0.183	0.052	-0.087	-0.194	0.39	0.566	-0.022	0.163
A020128_01	-0.011	0.056	0.04	0.003	-0.246	-0.104	-0.038	-0.05
A020130_01	0.028 NA		0.143 NA		0.036	-0.044 NA	NA	
A020132_01	0.128	-0.089	-0.283	-0.24	-0.049	-0.133	0.325	0.099
A020134_01	0.06	-0.049	0.078	0.063 NA		-0.203	-0.058	-0.147
A020135_01	-0.177	-0.265	0.182	0.341	0.397	0.541	0.23	0.228
A020140_01	0.083	-0.052	-0.363	-0.408	-0.264	0.002	0.187	0.109
A020141_01	0.056	-0.021	0.101	-0.069	-0.086	0.028	-0.138	-0.072
A020144_01	0.257	0.362	0.205	0.099	-0.355	-0.42	-0.558	-0.636
A020145_01	0.268	0.333	0.125	-0.027	-0.179	-0.254	-0.62	-0.599
A020155_01	0.01	0.268	-0.016	-0.062	-0.404	-0.37	-0.099	0.062
A020157_01	0.119	0.088	-0.036	-0.178	0.042	0.222	-0.387	-0.193
A020160_01	0.238	0.316	-0.112	-0.239	0.447	0.404	0.264	0.289
A020162_01	0	0.241	0.207	0.41	0.12	0.292	-0.264	-0.379
A020164_01	0.284 NA		-0.48 NA	NA		-0.004 NA	NA	
A020166_01	0.132 NA	NA		-0.143	0.164	-0.017 NA	NA	
A020167_01	0.256	0.247	-0.241	-0.194	-0.107	-0.169	0.251	0.364
A020169_01	-0.195	-0.2	-0.538	-0.49	0.069	0.316	0.032	-0.02
A020170_01	-0.281	-0.366	0.259	0.059	0.04	0.049	-0.396	-0.427
A020171_01	-0.243	0.026	0.159	0.19	0.433	0.797	0.228	0.445
A020172_01	-0.037	0.053	0.195	0.388	0.1	0.197	-0.029	-0.071
A020173_01	-0.072	-0.025	0.099	0.108	0.083	0.131	0.018	0.008
A020178_01	0.316	-0.201	-0.384	-0.526	-0.137	-0.18	0.098	-0.168
A020179_01	0.526	0.46	-0.286	-0.507	0.23	-0.011	-0.29	-0.213
A020183_01	-0.377 NA		-0.08 NA		-0.112	0.074 NA		-0.123
A020186_01	-1.302	-1.116	0.424	0.324	0.896	1.261	0.288	0.387
A020187_01	-1.451	-0.964	1.18	1.198	1.215	1.927	0.652	0.983
A020188_01	0.015 NA		0.166	0.003	-0.26	-0.387	0.371	0.051
A020189_01	0.28	0.068	-0.125	-0.206	0.144	0.115	0.318	0.049
A020190_01	-0.096 NA		-0.044	-0.067	-0.056	-0.093	0.001	-0.186
A020192_01	-0.081	-0.248	-0.354	-0.279	0.017	0.23	0.041	-0.042
A020195_01	-0.293	-0.28	-0.135	-0.182	-0.119	-0.029	0.204	0.174
A020196_01	0.055	0.097	0.035	0.172	-0.118	0.074	-0.026	-0.156
A020197_01	-0.446	-0.643	-0.144	-0.146	-0.665	-0.704	0.17	0.153
A020198_01	0.099 NA		0.181	0.117 NA		-0.672	-0.058	-0.096
A020199_01	-0.029	0.109	-0.101	-0.34	0.151	0.398	0.116	0.427
A020200_01	0.269	0.113	-0.196	-0.051	0.163	0.357	0.268	0.134
A020203_01	-0.167	-0.007	0.526	0.215	0.084	-0.087	-0.217	-0.251
A020205_01	-0.121	0.1	-0.045	0.192	0.171	0.377	0.155	0.079
A020208_01	-0.122	-0.324	-0.168	-0.202	-0.543	-0.745	0.343	0.388
A020210_01	0.072	0.299	0.216	0.216	-0.281	-0.443	-0.1	-0.1

A020211_01	0.328	0.279	0.259	0.396	0.341	0.347	0.214	0.273
A020213_01	-0.106 NA		0.514	0.243	-0.525	-0.704	0.01	-0.361
A020214_01	0.769	0.599	0.715	0.452	0.278	-0.078	-0.28	-0.323
A020215_01	0.039	0.023	0.06	0.111	-0.032	-0.099	0.148	0.036
A020216_01	-0.405 NA		0.003 NA		-0.273	-0.034 NA	NA	
A020217_01	-1.792	-1.135	-1.957	-1.836	-2.53	-2.925	-1.121	-1.647
A020219_01	0.097 NA	NA		0.288	-0.082	-0.203 NA	NA	
A020221_01	0.218	0.283	-0.298	-0.283	0.321	0.555	0.196	0.366
A020222_01	0.229	0.434	0.171	0.231	0.23	0.395	0.271	0.34
A020225_01	0.363	0.517	-1.137	-1.115	0.715	0.757	0.619	0.685
A020226_01	-0.07	0.115	-0.063	-0.144	0.24	0.294	0.139	0.028
A020228_01	0.095	0.159	0.319	-0.119	0.064 NA		-0.514	-0.555
A020229_01	-0.141	-0.197	-0.029	-0.207	-0.204	-0.17	0.149	0.273
A020233_01	0.019	0.103	0.022	0.086	0.266	0.337	0.035	-0.085
A020236_01	0.195 NA		0.099	-0.068	-0.138	0.131	0.246 NA	
A020241_01	-0.006	-0.023 NA		-0.142	0.124	0.244	0.226	0.295
A020242_01	0.397	0.661	0.229	0.247	-2.988	-3.568	0.07	0.32
A020243_01	0.325	0.215	0	-0.14	0.474	0.458	0.228	0.261
A020245_01	0.07	0.204	0.123	-0.021 NA		-0.576	-0.111 NA	
A020249_01	-0.002	0.013	-0.097	-0.081	0.018	-0.019	-0.072	-0.232
A020250_01	-0.165	-0.226	-0.044	0.117	0.127	0.135	0.045	-0.011
A020251_01	0.106	-0.095	0.321	0.381	0.001	0.042	-0.204	-0.299
A020254_01	0.19	0.251	-0.016	0.219	-0.265	-0.533	-0.221	0.267
A020256_01	0.037	0.287	-0.194	-0.236	-0.138	-0.173	0.116	0.162
A020257_01	-0.083	-0.086	-0.044	-0.034	0.445	0.594	-0.152	-0.001
A020258_01	-0.762	-0.479	0.134	0.43	1.009	1.51	0.599	0.672
A020260_01	0.326	0.068	-0.224	-0.316	0.08	0.064	0.132	-0.13
A020264_01	-0.126	-0.239	-0.367	0.041	-0.428	-0.076	-0.115	-0.13
A020265_01	-0.487 NA		0.025 NA		-0.129	-0.012 NA	NA	
A020267_01	0.006	-0.011	0.149	-0.062	-0.561	-0.567	0.014	0.343
A020268_01	-0.108	-0.108	-0.258	-0.422	0.104	0.206	0.252	0.44
A020272_01	-0.245	-0.313	0.02	0.015	-0.246	-0.394	-0.148	-0.084
A020273_01	0.317	0.432	-0.105	-0.238	-0.285	-0.686	-0.089	-0.195
A020274_01	-0.089	-0.061	-0.168 NA		-0.485	-0.436	-0.038 NA	
A020281_01	-0.094	0.014	-0.069	-0.005	0.02	0.067	-0.214	-0.178
A020283_01	0.246 NA		0.053	-0.032	-0.263	-0.305	0.009	-0.176
A020286_01	-0.303	-0.459	-0.969	-1.028	-0.955	-0.949 NA		-1.311
A020289_01	0.573	0.517	-0.514	-0.289	0.11	0.076	0.631	0.629
A020290_01	0.521	0.253	-0.096	-0.219	0.491	0.114	0.344	0.248
A020291_01	-0.271	-0.145	0.257	0.139	0.118	0.308	-0.096	0.193
A020293_01	0.004	0.038	-0.053	0.051	-0.261	-0.316	-0.071 NA	
A020294_01	0.136	0.054	-0.064	-0.109	-0.058	-0.173	0.101	0.01
A020295_01	-0.047	-0.037	-0.093	-0.137	0.067	0.114	0.098	0.119
A020296_01	-0.091	-0.111	-0.223	-0.058	-0.157	-0.097	0.046	0.131
A020297_01	0.186	0.109	0.285	0.333	0.442	0.444	-0.15	-0.255
A020298_01	0.085	0.019	-0.195	-0.194	-0.071	-0.038	-0.009	-0.066
A020299_01	-0.119	0.146	-0.196	-0.137	-0.175	-0.295	-0.016	0.089
A020300_01	-0.536	-0.396	-0.149	-0.118	-1.263	-1.212	-0.409	-0.232
A020301_01	-0.127	-0.105	-0.119	-0.159	0.089	0.148	0.279	0.26
A020303_01	-0.295	-0.104	0.008	0.179	-1.06	-1.274	-0.066	-0.106
A020305_01	-0.12	0.117	-0.095	-0.064	0.259	0.289	0.222	0.345
A020306_01	0.081	0.139	-0.067	-0.25	0.295	0.561	0.153	0.205
A020308_01	0.101	0.017	-0.083	-0.189	-0.074	0.192	-0.189	-0.058
A020309_01	-0.093	-0.146	0.007	-0.067	0.472	0.624 NA	NA	
A020311_01	0.198	0.069	0	0.11	0.165	0.19	0.208	0.136
A020312_01	-0.041	-0.181	-0.273	-0.126	0.056	0.366	0.349	0.235
A020314_01	-1.457	-1.444	-2.322 NA		-2.504	-2.801 NA	NA	
A020317_01	-0.441	-0.199	-0.344	-0.415	0.041	0.347	-0.184	0.167
A020318_01	0.037	-0.001	0.337	0.043	-0.103	-0.24	-0.078	-0.236
A020319_01	-0.017	-0.035	-0.02	0.045	0.071	0.4	-0.022	-0.019
A020320_01	0.045	0.173	0.118	0.088	0.105	0.14	-0.037	0.029
A020321_01	0.148	0.152	0.005	-0.058	-0.073	-0.163	-0.062	-0.135
A020322_01	-0.028	0.062	-0.072	-0.008	0.32	0.193	0.338	0.192
A020323_01	-0.128	0.008	-0.013	-0.054	-0.193	-0.239	-0.076	0.014
A020324_01	-0.123 NA		0.038	-0.012	0.159	0.084	0.2	0.322
A020325_01	0.238 NA	NA		-0.295	0.278	0.197 NA		0.316
A020326_01	-0.353	-0.094	-0.113	-0.15	0.285	0.489	0.103	0.172
A020327_01	-0.042	0.186	0.251	-0.174	-0.24	-0.129	-0.065	0.061

A020330_01	-0.256 NA	NA	NA	NA	0.808 NA	0.536		
A020331_01	-0.182	0.295	0.075	-0.124	0.287	-0.198	-0.105	
A020332_01	0.168 NA		0.321	0.242 NA	-0.026	-0.73 NA	NA	
A020333_01	0.093	-0.153	-0.186	-0.056	-0.038	0.026	-0.052	-0.096
A020336_01	0.288 NA		0.017	-0.102 NA	NA		0.263	0.048
A020337_01	0	-0.236	-0.16	-0.039	0.007	0.024	0.11	-0.026
A020338_01	0.082	0.122	0.127	0.094	0.087	0.166	0.062	0.061
A020340_01	-0.11	0.026	-0.266	-0.116	-0.723	-0.576	-0.461	-0.314
A020341_01	-0.133	0.141	-0.109	-0.232	0.214	0.065	0.089	0.125
A020342_01	0.238	0.08	-0.176	-0.37	0.199	0.148	0.372	0.408
A020343_01	-0.089 NA		-0.141	-0.439	-0.359	-0.547	-0.05	0.107
A020344_01	0.333	0.336	0.185	0.097	0.04	0.002	-0.326	-0.328
A020345_01	0.044	0.293	-0.266	-0.365	0.166	0.19	0.333	0.574
A020346_01	-0.567	-0.405	0	-0.2	-0.13	0.007	0.051	0.283
A020347_01	0.126	-0.103	-0.152	-0.311	0.489	0.479	0.202	0.072
A020348_01	0.519	0.429	-0.041	0.054	0.361	0.275	0.299	0.195
A020349_01	-1.096	-0.899	-0.067	-0.237	-1.039	-1.033	-0.061	0.096
A020350_01	-0.197	0.07	-0.776	-0.591	-0.786	-0.695	-0.291	-0.272
A020352_01	-0.131	0.172	-0.788	-0.685	0.14	0.226	0.257	0.246
A020353_01	-0.304	-0.15	-0.175	-0.205	0.131	0.275	0.12	0.386
A020356_01	0.283	0.185	0.057	0.022	0.237	0.24	0.129	-0.149
A020360_01	-0.03	-0.041	0.276	0.29	0.127	0.519	-0.754	-0.561
A020362_01	0.006	-0.12	-0.21	-0.406	0.246	0.153	0.041	0.012
A020363_01	0.445	0.579	-0.03	0.252	-1.275	-1.675	-0.044	0.019
A020364_01	0.362	-0.014	0.196	0.111	-0.16	-0.271	0.22	0.081
A020367_01	-0.039	0.058	-0.148	-0.269	0.046	0.046	0.128	0.189
A020368_01	-0.325	-0.351	-0.043	0.166	0.525	0.915	-0.306	-0.327
A020369_01	-0.873	-0.649	-0.429	-0.275	-0.139	0.018	-0.168	-0.043
A020370_01	0.058	0.091	0.337	0.29	-0.476	-1.059	-0.269	-0.265
A020371_01	-0.35	-0.067	0.141	0.056	0.503	0.816	-0.34	-0.059
A020372_01	0.143 NA		0.061	-0.219	-0.153	-0.317	-0.009	0.1
A020373_01	-0.088	0.002	0.152	0.295	-0.117	0.065	-0.276	0.115
A020375_01	-0.294	-0.191	-0.102	-0.104	-0.198	-0.198	-0.02	-0.121
A020376_01	-0.11	-0.108	-0.114	-0.068	-0.026	-0.052	0.019	-0.032
A020378_01	0.215	0.133	-0.262	-0.24	0.168	0.308	0.24	0.299
A020379_01	0.122 NA		-0.162	-0.221 NA		-0.192	0.297	0.061
A020380_01	-0.085	-0.046	-0.309	-0.109	-0.188	-0.095	-0.098	-0.242
A020381_01	-0.604	-0.239	-0.036	0.011	-1.098	-1.187	-0.501	-0.288
A020382_01	0.206	-0.159	-0.073	0.127	-0.336	-0.166 NA	NA	
A020383_01	-0.227	-0.113	0.088	0.136	-0.4	-0.006	-0.228 NA	
A020384_01	-0.46 NA		0.437	0.053	-0.242	-0.193	-0.291	-0.091
A020385_01	-0.332	-0.212	-0.009	0.119	-0.527 NA		0.019	-0.11
A020386_01	0.048	0.085	-0.23	-0.013	-0.386	-0.405	0.049	-0.024
A020390_01	0.247 NA		0.427	0.316	-0.463	-0.7 NA		-0.734
A020392_01	-0.182	-0.068	0.108	0.13	-0.097	-0.047	-0.035	-0.099
A020393_01	-0.304 NA		-0.399	-0.272	0.034	0.116	0.131	0.1
A020394_01	0.293	0.342	-0.4	-0.417	-0.714	-0.868	0.127	0.101
A020395_01	-0.114	-0.237	-0.051	0.101	-0.201	-0.092 NA	NA	
A020396_01	-0.055	0.051	-0.136	-0.282	0.296	0.424	-0.1	0.018
A020399_01	0.005	-0.043	0.326	0.117	-0.131	-0.349	0.119	0.041
A020400_01	0.322	0.339	-0.42	-0.367	-0.308	-0.5	-0.045	-0.169
A020401_01	-0.128	-0.27	-0.105	-0.139	-0.178	-0.055	-0.223	-0.116
A020403_01	0.369	0.339	0.236	0.208	0.363	0.511	-0.092	-0.314
A020404_01	-3.952	-2.544 NA		-4.088	0.663	1.41	-2.096	-1.984
A020406_01	-0.22	-0.115	-0.283	-0.199	-0.784	-0.635	-0.485	-0.295
A020410_01	-1.212	-0.936	-0.463	-0.289	-0.732	-0.656	-0.498	-0.517
A020412_01	-0.155	-0.129	-0.073	-0.279	0.252	0.399	0.133	0.316
A020413_01	-0.046	0.144	0.168	-0.02	0.41	0.26	0.035	0.016
A020418_01	0.032	0.233	0.356	0.222	0.15	0.137	-0.115	-0.025
A020419_01	0.258	0.067	-0.058	0.073	0.291	0.805	-0.214	-0.267
A020420_01	-0.203 NA		0.292	0.078	0.643	1.061	0.321	0.342
A020421_01	0.237	0.461	0.626	0.41	0.377	0.542	-0.181	0.166
A020422_01	0.128	0.09	-0.547	-0.446	-0.239	-0.274	0.428	0.201
A020423_01	NA	NA	0.108	0.198 NA		-0.222 NA		-0.182
A020424_01	-0.12	0.177	0.104	-0.233	-0.215	0.011	0.097	0.366
A020425_01	NA	NA	0.155	0.115 NA		0.184	0.019	-0.09
A020427_01	-0.056	0.198	-0.139	-0.328	0.468	0.628	0.14	0.281
A020428_01	0.447	0.423	0.638	0.598	-0.227	-0.578	-0.276	-0.487

A020435_01		-0.058	-0.021	-0.007	-0.017	0.119	0.277	0.046	0.062
A020436_01		-0.542	-0.071	-0.423	-0.276	-1.105	-1.3	-0.17	-0.022
A020437_01		0.207	0.06	0.108	0.006	0.04	0.039	0.086	-0.085
A020438_01		0.354	0.022	0.051	0.021	0.185	0.308	0.053	-0.127
A020440_01		-0.087	-0.207	-0.157	-0.166	-0.941	-0.941	-0.119	0.096
A020441_01		-0.11	0.191	-0.234	-0.415	-0.025	0.122	-0.013	0.384
A020442_01		-0.118	-0.108	0.004	0.179	-0.194	-0.065	0.128	-0.089
A020443_01		-0.012	-0.055	-0.228	-0.264	-0.242	-0.324	0.311	0.219
A020444_01		0.158 NA		-0.042	-0.187	0.016	-0.061	0.04	-0.008
A020445_01		0.133	0.184	-0.035	-0.142	-0.163	-0.118	-0.007	-0.017
A020446_01		0.12	0.152	0.121	-0.159	0.247	0.19	-0.042	-0.027
A020452_01		-0.682	-0.493	0.162	0.308	-1.297	-1.378	-1.093	-0.96
A020455_01		-0.228	-0.134	0.088	0.103	-0.122	-0.098	0.027	0.022
A020460_01		0.369	0.45 NA	NA		-0.081	-0.017 NA	NA	
A020461_01		0.27	0.181	-0.406	-0.21	-0.071	-0.063	0.111	-0.015
A020464_01		-0.096	-0.041	-0.108	-0.078	0.056	0.276	-0.216	-0.032
A020467_01		0.05	0.004	0.056	0.109	-0.297	-0.187	-0.29	-0.173
A020470_01		-0.279	-0.271	0.102	0.258	-0.529	-0.482	0	0.054
A020471_01		-0.164 NA		0.408	0.221 NA	NA		-0.042	-0.137
A020472_01		0.357	0.272	0.124	0.036	-0.307	-0.412	-0.065	-0.078
A020474_01		0.2	-0.004	0.158	0.045	0.161	0.128	0.217	0.126
A020477_01		0.313	0.041	0.073	-0.233 NA		-0.193	0.278	-0.019
A020478_01		-0.057 NA		0.008	0.004	-0.24	-0.236 NA	NA	
A020480_01		0.204 NA		0.084	0.117	0.115	0.225	-0.076	-0.287
A020481_01		-0.271 NA		-0.073	-0.088	-0.448	-0.474	0.026	0.092
A020482_01		0.362	0.303	0.145	0.506	-0.098	0.088	-0.454	-0.43
A020484_01	NA	NA		0.144	0.216 NA		-1.04	0.018 NA	
A020486_01		0.051	-0.069	-0.084	-0.354	0.258	0.393	-0.061	0.003
A020488_01		0.246 NA		0.144	0.192 NA		-0.1	0.094	0.134
A020489_01		-0.118	0.069	-0.422	-0.362	-0.093	0.072	0.016	0.029
A020490_01		-0.3 NA		-0.176	-0.341 NA		-0.608	0.049	-0.031
A020491_01		0.129 NA		0.091	-0.031	0.289	0.24	0.417	0.265
A020493_01		0.135	-0.014	-0.205	-0.277	0.163	0.044	0.205	0.096
A020497_01		0.157	0.263	-0.173	-0.201	0.186	0.122	0.369	0.361
A020498_01		-0.204	-0.005	-0.149	0.006	0.01	0.19	0.036	0.177
A020500_01		-0.133	-0.296	-0.29	-0.17	0.035	0.444	0.078	0.249
A020501_01		0.128	0.275	-0.594	-0.71	-1.86	-2.288	-1.278	-1.501
A020502_01		0.092	-0.052	-0.137	-0.145	-0.111	-0.023 NA	NA	
A020504_01		0.146	0.274	0.184	0.051	0.12	0.162	-0.118	-0.055
A020505_01		0.133 NA		-0.072	-0.007 NA		-0.036 NA		-0.205
A020506_01		-0.098	-0.013	-0.294	-0.21	0.051	0.185	0.008	0.014
A020507_01		0.206	0.079	-0.082	-0.268	-0.041	0.038	0.078	0.126
A020509_01		-0.279	0.003	0.166	0.05	0.276	0.582	-0.057	0.128
A020510_01		0.161	-0.12	-0.334	-0.46	0.158	0.094	0.231	-0.023
A020511_01		0.277	-0.055	-0.14	-0.199	-0.28	-0.325	0.157	0.221
A020512_01		0.202	0.172	0.173	0.141	-0.19	-0.036 NA		-0.337
A020514_01		-0.02	-0.138	-0.053	-0.044	-0.01	0.184	-0.178	-0.197
A020515_01		0.135	0.148	-0.113	0.042	-0.289	-0.114	-0.178	-0.406
A020516_01		-0.865	-0.657	-0.058	-0.02	-1.162	-1.136	0.045	0.268
A020520_01		0.137	-0.027	0.15	0.325	-0.193	0.041	0.105	0.006
A020521_01		-0.192	0.2	0.052	0.021	0.142	0.185	0.059	0.012
A020522_01		0.263	0.07	0.221	0.027	0.202	0.018	0.13	0.016
A020523_01	NA	NA	NA		-0.135 NA	NA		0.283 NA	
A020524_01		0.031	-0.18	-0.884	-1.246	-1.362	-1.41 NA	NA	
A020529_01		0.123	0.38 NA		-0.066	0.43	0.511	0.02	0.105
A020530_01		0.762	0.548	0.128	-0.048	0.568	0.538	0.204	0.127
A020533_01		0.285	0.147	-0.037	0.041	-0.064	-0.154	-0.003	-0.252
A020534_01		0.062	0.127	0.194	0.308	-0.102	-0.149	0.104	0.099
A020535_01		0.011	0.114	0.298	0.4	-0.034	-0.06	0.059	-0.056
A020537_01	NA	NA		-0.015	0.171 NA		-0.802	0.007	-0.301
A020541_01		-0.256	-0.336	0.001	-0.129	0.024	0.099	-0.458	-0.388
A020542_01		0.185 NA		0.104	0.098 NA		-0.373	0.034	-0.139
A020543_01		0.268	0.494	-0.263	-0.324	0.691	0.762 NA	NA	
A020544_01		0.132 NA		0.206	0.103 NA		-0.176	0.173	-0.129
A020546_01		0.288	-0.144	0.182	-0.033	-0.023	-0.109	0.06	-0.352
A020547_01		0.034	-0.13	0.123	0.155	-0.009	-0.078	-0.013	-0.157
A020549_01		-0.017	-0.163	-0.51	-0.617	0.073	0.057	0.116	-0.194
A020550_01		-0.237	-0.013	0.013	-0.003	-0.906	-1.104	-0.316	-0.224

A020551_01	0.125	0.028	0.027	0.038	-0.098	-0.058	0.076	-0.327
A020553_01	-0.658	-0.721	-0.163	-0.323	-0.248	-0.108	-0.091	0.116
A020554_01	-0.065	-0.042	0.216	0.155	0.152	0.177	0.016	-0.131
A020556_01	-1.171	-0.775	-1.654	-1.335	-0.591	-0.714	-0.751	-1.138
A020557_01	0.124 NA		-0.48	-0.477 NA		-0.807	-0.147	-0.245
A020559_01	-1.194	-0.843	-0.659	-0.675	-0.93	-1.164	-0.811	-0.823
A020560_01	-0.937	-0.426	-0.252	-0.178	-3.927	-4.804	-0.579	-0.488
A020562_01	-0.076	-0.22	-0.187	-0.334	-0.131	-0.121	0.134	0.209
A020563_01	0.009	0.222	-0.01	0.03	-0.126	-0.126	0.052	0.244
A020564_01	0.508	0.135	0.055	-0.047	0.182	0.175	0.192	-0.109
A020565_01	0.252	0.398	0.15	0.122	-0.024	-0.142	-0.145	0.06
A020570_01	0.425	0.132	0.101	0.127	0.176	-0.167	0.128	-0.237
A020571_01	-0.173	-0.16	0.189	0.13	0.004	0.088	-0.005	0.037
A020572_01	0.232	0.233	0.419	0.235 NA		-0.358 NA	NA	
A020573_01	-0.608	-0.373	-0.016	-0.066	0.103	0.363	-0.148	-0.005
A020575_01	0.329	0.196	0.023	0.054	0.061	0.145	0.253	0.242
A020576_01	-0.097	-0.175	-0.152	-0.1	-0.007	0.086	0.094	0.089
A020577_01	0.294	0.243	0.203	0.019	0.074	-0.04	-0.097	-0.037
A020578_01	-0.26	-0.213	-0.072	-0.021	-0.056	-0.19	0.041	0.031
A020579_01	0.235 NA		0.35 NA	NA		-0.336 NA	NA	
A020580_01	0.3	0.4	0.185	0.311	0.221	0.347	0.064	0.031
A020581_01	0.276 NA		0.192	-0.011 NA	NA	NA	NA	
A020584_01	-0.229	-0.11	0.082	0.042	0.139	0.283	0.069	0.117
A020585_01	0.051	0.021	-0.24	-0.232	0.017	-0.097	0.294	0.053
A020586_01	-0.052	-0.021	-0.289	-0.211	0.038	0.046	-0.012	-0.004
A020587_01	0.107 NA		-0.023	0.003	-0.008	-0.085 NA		0.147
A020588_01	0.269	0.536	0.055	-0.121	0.541	0.558	0.162	0.427
A020589_01	0.088	0.191	-0.44	-0.489	0.141	0.283	0.055	0.16
A020590_01	0.506	0.604	0.675	0.434	0.065	-0.052	-0.07	-0.179
A020592_01	0.011	0.028	-0.506	-0.262	-1.083	-1.315	-0.311	-0.314
A020593_01	-0.15 NA		-0.075	-0.166	-0.232	-0.373	0.035	-0.047
A020594_01	0.188	0.056	0.929	0.934	0.82	1.018	-0.229	-0.378
A020595_01	0.163	0.124	-0.077	-0.227 NA	NA	NA	NA	
A020599_01	-0.882	-0.844	-0.344	-0.494	-0.47	-0.523	-0.046	-0.044
A020600_01	-0.361	-0.298	0.287	0.363	0.002	0.073	-0.25	-0.186
A020601_01	-0.008	0.034	-0.084	-0.193	0.092	-0.032	-0.365	-0.772
A020602_01	0.261	0.255	0.063	-0.073	0.447	0.327	0.02	-0.109
A020603_01	0.231	0.545	0.006	0.017	0.571	0.779	-0.418	-0.225
A020604_01	-0.144 NA		-0.409	-0.371	-0.299	-0.363	0.098	-0.003
A020605_01	-0.931	-0.527	0.432	0.345	-0.324	0.052	0.031	0.125
A020606_01	0.145	0.328	0.168	0.265	-0.687	-0.96	-0.162	-0.299
A020608_01	0.16	0.041	0.004	-0.124	0.191	0.221	0.072	-0.006
A020610_01	-0.058	0.04	-0.076	0.164	-0.167	0.013	-0.009	-0.078
A020611_01	0.22	-0.093	0.016	-0.024	0.193	0.149 NA		-0.191
A020612_01	0.167	0.147	0.099	-0.137	0.027	0.02	0.088	-0.044
A020613_01	0.235	0.074	-0.005	-0.096	0.484	0.63	0.046	-0.089
A020615_01	0.951	0.96	0.268	0.166 NA		0.361	0.259	0.295
A020616_01	-0.505	-0.436	-0.47	-0.456	-0.3	-0.216	-0.005	0.177
A020617_01	-0.233	0.016	-0.359	-0.27	-0.323	-0.132	0.005	0.11
A020619_01	0.224	0.117	0.244	-0.1	0.357	0.285	-0.031	-0.077
A020620_01	0.328	0.328	0.229	0.244	-0.054	-0.246	-0.117	-0.115
A020621_01	0.153	0.218	0.355	0.291	-0.391	-0.64	0.025	0.085
A020622_01	0.052	-0.018	-0.019	-0.095	0.149	-0.04	0.127	-0.021
A020623_01	-0.194	0.007	0.068	0.007	-0.16	-0.052	-0.228	-0.127
A020625_01	0.017	0.029	0.268	0.293	-0.352	-0.376	-0.337 NA	
A020627_01	-0.314 NA		-0.078	-0.012	-0.189	-0.414	0.322	0.187
A020629_01	0.364	0.354	0.054	0.033	0.044	-0.033	-0.198	-0.242
A020630_01	0.202 NA		0.125	0.141 NA		-1.137	0.374	0.234
A020633_01	0.549	0.578	-0.335	-0.262	0.091	0.192	-0.422	0.019
A020638_01	NA	0.164	0.319	0.013 NA		-1.458	-0.025	-0.01
A020639_01	0.25 NA		0.297	-0.207 NA	NA	NA		-0.159
A020640_01	0.374	0.331	0.336	0.093	0.457	0.291	0.062	-0.005
A020641_01	-0.025	0.022	0.032	-0.155	0.043	-0.056	0.158	0.056
A020643_01	-0.861 NA		0.038	0.082 NA		-0.153	-0.004	-0.296
A020645_01	0.222	0.358	0.018	-0.117	0.347	0.245	0.107	0.177
A020646_01	0.161	0.098	0.109	0.057	0.135	0.129	-0.185	-0.389
A020647_01	0.405 NA		0.461	0.361 NA	NA		0.022	-0.253
A020649_01	0.058	0.006	-0.034	0.201	-0.086	0.018	-0.033	-0.054

A020650_01	0.148	0.347	0.102	0.223 NA		-1.146	0.057	-0.092
A020652_01	-0.209	-0.212	0.009	0.195	-0.049	-0.059	0.068	0.01
A020653_01	0.311 NA		0.002	-0.051 NA	NA		-0.071	-0.18
A020654_01	-0.152	-0.016	0.256 NA		0.245	0.372	-0.103	-0.05
A020656_01	-0.021	-0.001	0.142	0.324	-0.733	-0.842	-0.583	-0.681
A020658_01	-0.065	-0.309 NA		-0.232	-0.184	-0.43	0.079	-0.118
A020659_01	-0.486 NA		0.117	-0.065 NA	NA		0.035	0.054
A020660_01	-0.291	-0.006	-0.23	-0.123	-0.043	0.21	-0.103	0.048
A020661_01	0.119	0.101	-0.225	-0.268	-0.388	-0.576	0.006 NA	
A020663_01	-0.088 NA		0.015	0.018	0.501	0.471	0.147	-0.003
A020664_01	-0.239	-0.053	-0.009	-0.234	-0.238	-0.06	-0.169	-0.047
A020665_01	0.002	-0.122	0.465	0.464	0.644	0.522	0.264	0.025
A020668_01	0.111	-0.015	-0.122	0.026	-0.077	-0.074	0.084	-0.003
A020670_01	0.221	0.083	-0.061	-0.14	-0.075	-0.398	0.048	-0.01
A020671_01	0.446	0.138	-0.105	-0.185	0.357	0.426	0.114	0.101
A020673_01	0.256	-0.009	0.003	0.03	-0.086	-0.364	0.239	0.004
A020678_01	0.145	-0.06	-0.197	-0.15	-0.011	-0.143	-0.012	-0.236
A020683_01	0.142	-0.142	-0.164	-0.174	0.083	0.133	0.086	-0.092
A020684_01	-0.196	-0.005	0.024	-0.258	0.123	0.423	-0.031	0.457
A020686_01	NA	0.36	0.354	0.109 NA		-0.25	-0.313	-0.5
A020689_01	-0.354	-0.305	-0.146	-0.161	-1.758	-1.953	-0.791	-0.826
A020690_01	0.349	0.114	-0.277	-0.329	0.071	0.16	0.438	0.218
A020691_01	0.231	0.098	0.22	0.213	0.042	-0.218	-0.001	-0.235
A020692_01	-0.001	0.13	-0.086	-0.137	-0.024	0.104	0.131 NA	
A020694_01	NA	NA	0.402	0.115 NA	NA		0.395	0.262
A020696_01	0.18	0.08	0.403	0.252 NA		0.194	0.243	-0.093
A020697_01	-0.516	-0.508	-0.313	0.001	-0.651	-0.632	0.018	-0.052
A020699_01	-0.277	0.062	0.196	-0.035	0.123	0.321	-0.21	0.06
A020702_01	0.27	0.67	0.6	0.431	0.471	0.561	-0.198	-0.081
A020703_01	-0.255	-0.149	-0.035	-0.018	0.202	0.392	-0.012	0.313
A020704_01	-0.445	-0.126	0.512	0.344	0.009	0.049	-0.508	-0.426
A020705_01	0.209	0.209	0.23	0.129	-0.014	-0.094	-0.073	-0.179
A020707_01	0.058	-0.025	0.095	0.146	-0.031	-0.123 NA		-0.168
A020708_01	-0.126	-0.037	0.004	0.119	0.258	0.582	0.177	0.223
A020710_01	-0.096	0.067	-0.194	-0.031	0.578	0.858	0.204	0.389
A020713_01	0.167 NA		-0.109	-0.178 NA	NA		0.371	0.069
A020714_01	-0.131	0.051	-0.154	-0.335	0.194	0.221 NA	NA	
A020716_01	0.223	-0.032	-0.186	-0.008	-0.168	-0.096	0.319	0.08
A020722_01	0.042 NA		-0.082	-0.126 NA	NA		0.303	-0.043
A020725_01	-0.275	-0.053	-0.313	-0.405	-0.237	-0.081	0.101	0.344
A020727_01	-0.609	-0.383	0.367	0.235	-0.099	-0.104	-0.303	-0.61
A020728_01	-0.167	-0.102	0.009	-0.08	-0.356	-0.552	-0.096	-0.194
A020730_01	-1.673	-1.559	-0.612	-0.556	-1.495	-1.592 NA		-0.666
A020731_01	0.416	0.619	-0.22	-0.081	-0.309	-0.517	-0.244	-0.234
A020732_01	-0.481	-0.562	0.068	-0.138	-0.344	-0.307	-0.283	-0.154
A020733_01	-0.574	-0.617	-0.193	-0.194	-0.703	-0.627	-0.53	-0.505
A020734_01	-0.874	-0.689	-1.448	-1.523	-1.21	-1.111	-0.965	-0.932
A020735_01	-0.479	-0.285	0.257	0.135	-0.49	-0.648	-0.084	-0.174
A020737_01	0.467	0.517	-0.134	-0.185	0.016	0.036	0.066	0.058
A020738_01	0.096	0.095	-0.211	-0.276	-0.187	-0.158	0.068	0.006
A020740_01	0.067	-0.042	0.117	0.23	0.06	0.204	-0.141	-0.321
A020741_01	0.278	0.164	-0.425	-0.307	0.229	0.154	0.224	-0.044
A020746_01	0.023	-0.03	-0.217	-0.025	0.265	0.521	0.084	-0.017
A020748_01	0.372	0.363	-0.095	0.031	-0.661	-0.856	0.056	0.082
A020750_01	0.184	0.062	-0.252	-0.317	-0.148	-0.218	-0.036	-0.136
A020751_01	0.08	0.462	-0.246	-0.545	0.276	0.375	-0.09	0.291
A020754_01	-0.104	-0.282	0.161	-0.088	0.025	-0.174	-0.062	-0.356
A020756_01	0.018	-0.124	-0.193	-0.032	0.012	-0.007	0.056	-0.011
A020757_01	0.02	0.12	-0.217	-0.109	0.147	0.308	0.111	-0.068
A020759_01	0.197	0.115	-0.133	-0.076	-0.109	-0.15	-0.021	-0.075
A020760_01	-0.408	-0.296	-1.324	-1.042	0.251	0.367	-0.076	-0.259
A020761_01	0.336	0.357	0.008	0.046	0.295	0.359	0	0.1
A020762_01	-0.124	-0.268	-0.014	0.021	-1.009	-1.199	0.266 NA	
A020763_01	-0.24	0.14	0.218	0.341	-0.036	-0.028	-0.267	-0.226
A020765_01	0.025	-0.005	-0.192	-0.191	0.184	0.279	0.264	-0.09
A020766_01	-0.037	-0.028	-0.305	-0.276	-0.39	-0.213	-0.178	0.024
A020767_01	-0.171	-0.229	0.027	0.135	0.238	0.329	0.28	0.11
A020769_01	0.185	0.241	0.091	0.077	-0.029	-0.089 NA	NA	

A020771_01	0.044	0.154	-0.193	-0.131	0.13	0.278	0.012	0.02
A020774_01	-0.184	-0.12	0.115	-0.085	0.248	0.157	0.264	0.24
A020777_01	0.278 NA		0.597	0.697	-0.696	-0.97 NA		-0.774
A020778_01	0.044	-0.055	0.019	0.166	0.112	0.103	0.114	0.105
A020780_01	-0.113	0.111	-0.276	0.221	-0.095	0.142	-0.097	0.36
A020781_01	0.144	0.068	-0.14	-0.211	-0.257	-0.312	0.002	-0.092
A020784_01	0.454	0.344	-0.26	-0.529	0.624	0.561	-0.016	-0.13
A020785_01	0.326	0.157	-0.11	-0.302	0.097	0.088	-0.077	0.191
A020788_01	0.276	0.536	-0.592	-0.727	-0.902	-1.144	-1.44	-1.551
A020795_01	0.412	0.72	0.032	0.119	0.373	0.555	-0.099	0.036
A020796_01	-0.117	-0.106	0.49	0.242	0.535	0.594	0.143	0.022
A020797_01	0.048	0.297	-0.013	0.096	-0.924	-0.944	-0.368	-0.056
A020798_01	-0.539	-0.576	0.025	0.166	-0.116	0.189	-0.582	-0.867
A020799_01	0.155	-0.024	0.019	0.007	-0.049	-0.055	0.14	-0.012
A020800_01	0.281	0.008	0.043	0.039	-0.291	-0.381	-0.055	-0.32
A020802_01	-0.21	-0.221	-0.168	0.047	-0.016	0.141	0.023	0.026
A020803_01	0.683	0.632	0.246	0.404	0.04	0.114	0.2	0.089
A020806_01	0.179	0.252	0.177	0.389	-0.277	-0.008	0.321	0.293
A020807_01	0.057	0.142	0.108	0.263	0.102	0.22	-0.179	-0.068
A020809_01	0.223	-0.021	-0.246	-0.15	0.143	0.072	0.203	-0.083
A020811_01	0.109	-0.281	-0.204	-0.317	0.577	0.62	0.377	0.199
A020813_01	-0.48 NA		0.379	0.118 NA	NA		-0.299	-0.197
A020816_01	0.321	0.13	0.152	0.098	0.393	0.308	0.086	-0.16
A020817_01	-0.29	-0.302	0.226	-0.169	-0.255	-0.133	-0.136	-0.031
A020818_01	-0.075	-0.022	0.024	-0.11	0.161	0.108	0.078	-0.002
A020819_01	-0.026	0.063	-0.125	0.202	0.236	0.435	0.077	0.187
A020820_01	-0.431	-0.287	0.105	-0.006	0.116	0.045	-0.006	-0.02
A020821_01	0.163	-0.051	-0.098	-0.247	-0.042	-0.019	0.139	-0.137
A020823_01	0.209	0.347	0.1	0.144	0.278	0.131	-0.028	-0.084
A020825_01	-0.118	-0.286	-0.311	-0.339	-0.3	-0.73	0.396	0.098
A020826_01	0.163	0.252	-0.521	-0.434	0.278	0.339	0.253	0.323
A020827_01	0.144 NA		-0.09	-0.08	0.132	0.166 NA	NA	
A020828_01	0.363	0.305	-0.248	-0.257	0.09	0.276	-0.042	-0.237
A020831_01	-0.022	-0.122	0.156	-0.124	0.274	0.272	0.037	0.014
A020835_01	-0.826	-0.514	-0.041	0.093	-0.871	-0.819	0.039	0.184
A020836_01	-0.245	-0.215	0.231	0.11	-0.353	-0.321	-0.135	-0.212
A020838_01	0.069	0.09	-0.039	0.072	0.048	0.002	0.067	0.097
A020839_01	-0.139	0.053	-0.019	-0.249	0.232	0.275	0.015	0.136
A020841_01	0.15	0.405	0.235	0.044	0.132	0.224	-0.13	0.202
A020842_01	-0.387	-0.206	-0.041	-0.164	-0.93	-0.846	-0.393	-0.156
A020843_01	-0.209 NA		0.099	-0.104	-0.475	-0.639	-0.31	-0.442
A020844_01	0.111	0.152	-0.176	-0.074	-0.001	-0.174	0.017	-0.225
A020845_01	0.167	0.187	-0.377	-0.052	-0.25	-0.325	0.154	0.049
A020847_01	0.169	0.302	-0.762	-0.849	0.331	0.201	0.082	0.2
A020849_01	-0.144	-0.209	-0.183	-0.122	-0.046	-0.029	0.138	0.122
A020850_01	0.013	-0.1	0.039	0.085	-0.229	-0.087	-0.458	-0.277
A020852_01	-0.344	-0.202	-0.026	-0.229	-0.969	-1.263	-0.113	-0.188
A020853_01	-0.094	0.167	-0.134	-0.345	-0.052	0.095	-0.141	0.066
A020854_01	0.386 NA		-0.03	-0.016	-0.496	-0.78 NA	NA	
A020855_01	-0.495	0.022	-0.003	0.02	0.446	0.989	0.018	0.389
A020860_01	0.332	0.093	0.046	-0.21	0.32	-0.06	0.233	-0.084
A020861_01	-0.306	-0.239	-0.363	-0.398	-0.238	-0.053	-0.205	-0.107
A020863_01	0.291	0.24	0.211	0.393	0.169	0.239	-0.148	-0.334
A020866_01	0.207 NA		0.643	0.425	-0.799	-1.282 NA		-0.545
A020868_01	0.058	0.207	-0.304	-0.191	0.089	-0.074	0.054	0.034
A020869_01	0.019	0.062	-0.827	-0.608	-0.162	-0.246	0.199	0.116
A020870_01	-0.726	-0.754	0.722	0.761	0.481	0.737	0.267	0.367
A020871_01	-0.034	0.024	0.023	-0.043	-0.082	0.151	-0.053	0.077
A020872_01	-0.111	-0.407	-0.119	-0.219	0.177	0.021	0.186	-0.166
A020873_01	0.472	0.336	0.199	0.318	-0.003	-0.117	-0.265	-0.425
A020876_01	0.085	0.001	-0.015	0.029	0.178	0.248	0.096	-0.122
A020879_01	-0.083	-0.001	-0.065	-0.009	0.087	0.246	0.244	0.257
A020880_01	-0.893	-0.824	0.825	0.929	1.133	1.755	0.26	0.392
A020881_01	-0.049	0.032	-0.141	-0.21	0.254	0.462	0.181	0.245
A020882_01	-0.167	-0.037	0.128	0.1	0.049	0.122	-0.271	-0.163
A020883_01	-0.322 NA		-0.115	0.007	-0.178	-0.11	0.147	0.139
A020889_01	0.178	0.506	-0.366	-0.539	0.016	0.272	0.14	0.608
A020892_01	0.02	0.424	0.162	0.264	0.18	0.424	-0.128	0.052

A020900_01		0.133	0.066	0.041	0.09	-0.048	-0.095	-0.261	-0.209
A020902_01		0.719	0.638	0.494	0.579	0.432	0.596	0.079	-0.03
A020905_01		-1.246	-0.965	-0.891	-0.984	-0.644	-0.52	-0.496	NA
A020906_01		0.232	0.106	0.012	-0.182	-0.288	-0.376	0.047	-0.07
A020910_01		-0.329	-0.47	-0.165	-0.178	-0.856	-0.872	-0.521	-0.643
A020916_01		-0.615	-0.393	0.37	0.313	-0.182	-0.194	-0.134	-0.144
A020917_01		-0.353	-0.107	-0.42	-0.389	0.656	1.032	0.307	0.545
A020919_01		-0.503	-0.475	-0.069	-0.236	-0.739	-0.802	-0.131	-0.11
A020924_01		0.441	0.196	-0.065	0.188	0.076	0.105	0.029	-0.152
A020926_01		0.21	0.474	0.479	0.29	0.201	0.281	-0.333	-0.31
A020928_01		-0.265	-0.101	0.126	0.242	0.177	0.176	0.06	0.114
A020929_01		-0.338	-0.088	-0.182	-0.224	0.152	0.396	-0.143	-0.039
A020930_01		-0.909	-0.568	-1.177	-0.87	-1.935	-2.025	-1.522	-1.531
A020934_01		-0.355	-0.545	0.359	0.126	0.051	0.104	-0.128	-0.267
A020937_01		-0.221	-0.239	0.057	-0.083	-0.178	-0.331	0.102	-0.003
A020943_01		0.09	0.078	0.192	0.194	-0.137	-0.168	-0.32	-0.222
A020944_01		0.189	0.089	0.055	0.054	-0.426	-0.557	NA	-0.383
A020949_01		0.1	0.091	0.088	-0.204	0.119	0.081	-0.137	-0.085
A020952_01		-0.071	0.126	-0.389	-0.53	0.468	0.438	0.047	0.112
A020955_01		0.501	0.494	0.068	0.192	0.082	0.01	0.359	0.331
A020958_01		0.083	0.205	-0.334	-0.124	0.037	0.117	-0.072	-0.107
A020959_01		-0.134	0.036	-0.001	0.201	0.193	0.232	0.329	0.396
A020960_01		-0.241	-0.093	-0.266	-0.3	0.034	0.328	0.078	0.233
A020961_01		0.34	NA		0.085	NA	-0.143	NA	NA
A020964_01	NA	NA		-0.077	NA		0.341	NA	NA
A020965_01		-0.003	0.136	0.141	0.064	0.005	0.036	-0.023	-0.136
A020970_01		-0.053	-0.111	0.157	-0.03	-0.13	-0.212	0.008	-0.237
A020971_01		0.404	0.64	1.204	1.447	1.417	1.939	0.129	0.318
A020974_01		-0.512	-0.125	-0.03	-0.254	-0.726	-0.747	-0.827	-0.873
A020976_01		0.373	NA	-0.11	-0.333	NA	-0.174	0.042	-0.331
A020978_01		-0.024	-0.043	NA		-0.323	-0.702	NA	-1.296
A020980_01		-0.14	-0.017	-0.194	-0.02	0.336	0.751	0.055	0.107
A020981_01		0.213	0.365	0.163	0.196	-0.446	-0.466	-0.245	-0.209
A020982_01		-0.022	0.048	0.088	0.09	0.161	0.122	0.131	0.048
A020985_01		-0.045	-0.131	-0.048	-0.183	-0.001	0.109	-0.04	-0.005
A020987_01		0.022	-0.041	0.105	-0.11	-0.173	-0.314	0.207	0.14
A020991_01		-0.112	-0.138	0.025	0.086	0.052	0.116	-0.138	-0.236
A020992_01		0.198	0.062	-0.095	0.11	0.078	0.381	-0.183	-0.154
A020997_01		-0.137	0.002	0.155	0.101	0.231	0.168	0.196	0.194
A020998_01		-0.231	-0.261	-0.243	-0.344	-1.004	-1.152	-0.396	-0.369
A020999_01		-0.114	-0.154	-0.141	0.014	-0.83	-0.826	-0.449	-0.489
A021002_01		0.09	0.297	-0.199	-0.116	-0.139	-0.071	-0.239	-0.151
A021003_01		-0.169	NA	0.188	-0.044	-0.155	-0.163	-0.012	0.071
A021005_01	NA	NA		-0.016	0.064	NA		0.2	0.084
A021009_01		0.099	-0.205	-0.005	-0.391	0.003	-0.18	NA	-0.137
A021010_01		-0.226	-0.307	-0.07	0.066	-1.284	-1.183	-0.686	-0.725
A021011_01		-0.303	-0.007	-0.061	-0.119	-0.159	-0.037	-0.306	-0.19
A021012_01		0.173	0.18	0.286	0.456	-0.103	-0.032	0.031	-0.23
A021015_01		0.043	-0.02	-0.043	-0.102	-0.026	-0.098	0.081	-0.104
A021019_01		0.142	0.192	0.077	0.05	0.027	-0.001	-0.043	0.02
A021021_01		-0.389	-0.262	0.386	0.454	-1.019	-0.91	-0.632	-0.844
A021025_01		0.269	0.23	-0.031	0.007	0.008	-0.011	-0.097	-0.183
A021026_01		0.031	0.217	0.454	0.581	-0.332	-0.326	-1.101	-0.874
A021034_01		-0.325	-0.254	0.07	-0.081	-0.385	-0.411	0.814	1.061
A021035_01		0.104	NA	-0.322	-0.353	0.133	0.228	0.126	0.14
A021037_01		-0.648	-1.065	0.365	0.443	-1.481	-1.612	-0.387	-0.473
A021040_01		0.049	0.083	0.352	0.632	-0.201	-0.083	0.117	-0.214
A021041_01		-1.045	-0.953	0.443	0.479	0.976	1.415	0.232	0.299
A021042_01		0.718	0.645	0.461	0.485	0.384	0.442	-0.665	-0.699
A021044_01		1.047	0.956	0.58	0.432	0.678	0.584	0.062	-0.01
A021045_01		0.317	0.219	-0.501	-0.339	-0.664	-1.012	0.31	0.058
A021046_01		-0.306	-0.224	-0.416	-0.144	-0.964	-1.101	-0.259	-0.414
A021047_01		0.198	0.324	0.146	0.047	0.187	0.063	-0.106	-0.037
A021048_01		-0.388	-0.435	-0.012	-0.051	-0.042	-0.033	-0.062	NA
A021049_01		-0.083	-0.362	0.051	-0.051	-1.099	-1.309	-0.275	-0.44
A021051_01		0.445	0.322	-0.942	-0.805	-1.639	-2.134	0.721	0.508
A021053_01		-2.567	-1.659	1.102	1.105	-0.644	-0.397	-0.722	-0.911
A021055_01		0.693	0.496	-0.114	0.067	-0.246	-0.582	0.256	-0.079

A021057_01	0.233	0.011	0.056	0.183	-0.568	-0.632	-0.239	-0.43
A021058_01	0.226	0.454	-0.065	0.144	0.296	0.42	0.259	0.265
A021059_01	-0.196	-0.246	-0.046	-0.187	-0.439	-0.356	-0.422	-0.086
A021061_01	0.318 NA		0.48	0.258 NA	NA		-0.05	-0.228
A021062_01	-0.347	-0.478	0.237	-0.101	-0.375	-0.517	-0.234	-0.473
A021063_01	0.2	0.298	-0.195	-0.042	-0.255	-0.173	-0.245	-0.303
A021064_01	-0.123	-0.078	-0.098	-0.042	-0.185	-0.172	-0.127	0.015
A021065_01	0.775	0.593	0.181	0.183	0.045	-0.237	0.403	0.341
A021066_01	NA	-0.353	0.202	-0.21 NA		-0.169 NA	NA	
A021067_01	0.324 NA		-0.35	-0.252 NA	NA		0.358	0.123
A021068_01	0.052	-0.03	-0.052	-0.162	0.179	0.293	0.034	-0.208
A021069_01	-0.142	-0.03	-0.086	-0.054	0.623	0.792	0.305	0.202
A021070_01	-0.465	0.011	-0.048	0.101	-0.372	-0.143	-0.322	0.01
A021071_01	0.155	0.762	0.282	0.016	0.708	0.971	-0.232	0.266
A021072_01	-1.533	-1.042	-0.017	0.094	0.623	1.201	0.159	0.351
A021073_01	0.021	0.001	0.107	-0.162	0.161	-0.081	-0.045	0.043
A021074_01	-0.378 NA		0.584	0.485 NA	NA		-0.827	-0.93
A021076_01	-0.408 NA		0.1	-0.03 NA	NA		-0.57	-0.722
A021078_01	-0.13	-0.061	0.048	0.064	-0.087	-0.135	0.043	0.224
A021079_01	0.428	0.338	-0.07	-0.154	0.391	0.373	0.139	0.007
A021081_01	-0.22	-0.236	-0.245	-0.144	-0.798	-0.954	0.437	0.539
A021084_01	-0.043	0.112	-0.007	0.258	-0.202	-0.064	-0.149	-0.18
A021085_01	0.435	0.046	0.042	-0.21	-0.147	-0.524	0.182	-0.039
A021086_01	0.197	-0.072	0.007	0.008	0.175	0.35	0.11	-0.011
A021088_01	-0.222	-0.095	-0.208	-0.143	-0.242	-0.382	-0.056	0.11
A021089_01	0.046	0.06	0.52	0.424 NA		-0.27	-0.456	-0.563
A021093_01	0.215	0.008	-0.211	-0.251	0.14	0.087	0.037	-0.042
A021094_01	0.096	0.241	0.088	0.008	0.015	0.223	-0.272	-0.026
A021097_01	0.277	-0.098	-0.033	-0.323	0.349	0.449	-0.157	-0.134
A021099_01	-0.316	-0.289	-0.005	-0.015	0.072	0.091	-0.049	0.001
A021100_01	-0.08	-0.113	-0.007	0.061	-0.677	-0.888	-0.094	-0.265
A021102_01	0.016	-0.021	-0.237	-0.267	0.012	0.009	0.096	0.149
A021103_01	0.561	0.776	1.185	1.043	-0.583	-0.613	-0.649	-0.398
A021104_01	0.028	0.1	-0.273	-0.347	0.066	0.181	-0.15	0.177
A021106_01	-0.268	-0.218	-0.13	-0.059	-0.403	-0.476	0.009	0.06
A021107_01	0.22	0.037	0.105	-0.166 NA		-0.754 NA		-0.721
A021108_01	0.634 NA		1.079	0.988 NA		-0.094	-0.352	-0.478
A021109_01	0.229 NA		-0.373	-0.393 NA		-0.68	-0.009	-0.248
A021110_01	-0.049	-0.195	0	-0.31	0.009	-0.096 NA		-0.156
A021111_01	-0.094	-0.136	0.011	0.069	0.259	0.369	-0.17	-0.267
A021112_01	-0.304	-0.19	-0.073	0.396	-0.058	0.335	-0.271	-0.097
A021113_01	-0.224	-0.208	-0.112	0.049	-0.018	0.115	0.171	0.121
A021117_01	-0.248	-0.086	-0.012	-0.119	0.086	0.151	0.142	0.175
A021118_01	-0.063	-0.019	0.166	0.192	0.5	0.442 NA	NA	
A021119_01	-0.282	-0.207	-0.353	-0.11	-0.419	-0.486	0.09	-0.219
A021120_01	-0.195 NA		0.186	0.143	-0.08	-0.248	-0.062	-0.275
A021121_01	0.234	0.125	0.059	-0.071	-0.269	-0.336	0.005	0.091
A021123_01	0.093	-0.142	0.111	0.031	-0.037	-0.267	0.309	0.03
A021124_01	-0.049	-0.075	-0.068	-0.337	0.028	-0.118	0.058	0.173
A021125_01	0.291	0.056	-0.339	-0.294	0.084	0.002	0.328	0.128
A021126_01	0.164	0.077	0.133	0.092	0.256	0.261	0.076	-0.048
A021127_01	0.083	-0.196	0.237	0.054	0.078	-0.033	0.058	-0.388
A021128_01	0.056	-0.141	-0.068	0.078	0.321	0.44	0.246	0.115
A021129_01	0.13	-0.038	0.373	0.403	0.542	0.707	0.176	0.128
A021130_01	0.295	0.323	0.033	0.264	-0.056	0.133	-0.109	-0.212
A021131_01	0.453	0.506	0.015	0.084	0.286	0.156	-0.145	-0.133
A021132_01	-0.214	-0.284	-0.315	-0.35	-0.177	-0.086	0.123	0.351
A021133_01	0.19	0.202	-0.222	-0.193	-0.77	-0.829	-0.427	-0.349
A021134_01	0.117	0.014	0.29	0.26	0.307	0.335	0.031	-0.183
A021136_01	0.085	-0.046	0.02	0.063	-0.062	0.032	-0.35	-0.375
A021137_01	-1.404	-0.988	0.201	0.228	1.116	1.695	0.003	0.167
A021139_01	0.145 NA		0.046	0.14	-0.037	0.129 NA		0.035
A021140_01	0.112 NA		0.093	-0.223	0.228	0.169	0.095	0.164
A021142_01	0.374	0.063	-0.197	-0.432	0.342	0.428	0.1	0.175
A021146_01	-0.347	-0.219	0.027	-0.261	0.237	0.521	-0.107	0.211
A021147_01	-0.272	-0.043	0.549	0.224	0.537	0.852	-0.028	0.333
A021148_01	-0.043	0.107	0.256	0.023	0.361	0.704	-0.276	0.185
A021149_01	-0.05 NA		0.188 NA		0.247 NA	NA		1.148

A021150_01	-0.548	-0.212	0.53	0.205	0.987	1.125	0.132	0.611
A021160_01	0.179	0.21	-0.256	-0.283	0.115	0.232	0.005	0.204
A021195_01	-0.167	-0.385	0.14	0.043	0.671	0.89	0.42	0.327
A021200_01	-0.316	-0.278	-0.093	-0.261	-0.059	-0.048	-0.035	0.165
A021206_01	-0.179	-0.402	0.416	0.343	0.876	1.118	0.241	0.244
A021207_01	-0.17	-0.214	-0.142	-0.122	0.119	0.359	0.162	0.208
A021208_01	0.021 NA		-0.074 NA	NA		-0.08 NA	NA	
A021209_01	0.051 NA		0.14	0.236	0.436	0.408	-0.18	-0.314
A021212_01	0.318	-0.027	0.159	-0.123	-0.578	-1.064	0.309	-0.061
A021213_01	-0.149	-0.265	-0.288	-0.159	-0.379	-0.479	0.106	-0.09
A021214_01	0.287	0.039	0.233	0.088	-0.372	-0.643	0.058	-0.244
A021218_01	-0.066	-0.084	-0.205	-0.056	-0.035	-0.017	-0.165	-0.158
A021219_01	0.198	0.38	-0.168	-0.144	0.011	-0.024	0.355	0.34
A021220_01	0.027	0.075	0.031	-0.081	-0.126	-0.135	-0.042	-0.035
A021222_01	-0.312	-0.115	-0.104	-0.113	-0.935	-0.989	-0.45	-0.362
A021223_01	-0.151	-0.025	-0.183	-0.199	0.11	0.244	-0.294	-0.141
A021224_01	-0.206	-0.07	0.3	0.222	0.21	0.246	0.09	0.082
A021225_01	-0.176	-0.313	-0.151	-0.078	-0.215	-0.041	-0.094	-0.073
A021227_01	-0.595 NA	NA	NA		-0.075	-0.046 NA		-0.26
A021230_01	-1.698	-2.009	-3.083	-2.48	-0.466	0.034	-1.984	-1.768
A021233_01	-0.249	-0.144	0.004	-0.023	-0.929	-1.089	-0.172	-0.23
A021234_01	0.037	0.055	-0.176	-0.18	0.01	0.096	0.162	0.042
A021235_01	-0.198	-0.157	-0.011	-0.062	-0.465	-0.652	0.076	0.021
A021238_01	0.094	0.051	-0.103	-0.212	-0.079	-0.01	0.357	0.239
A021239_01	-0.113	0.006	-0.022	-0.247	0.32	0.393	0.132	0.164
A021241_01	-0.044	-0.081	-0.304	-0.359	-0.17	-0.078	0.108	0.174
A021249_01	-0.719	-0.209	-0.393	-0.333	0.117	0.582	-0.63	-0.194
A021252_01	-0.373	-0.184	-0.15	-0.104	-1.105	-1.4	-0.252	-0.224
A021253_01	-0.626	-0.29	-0.291	0.009	-1.307	-1.392	-0.617	-0.345
A021261_01	-0.075	-0.127	0.084	0.089	-1.146	-1.252	-0.295	-0.37
A021267_01	-0.063	-0.264	-0.13	-0.006	0.024	0.094	-0.077	-0.15
A021269_01	NA	-0.063	-0.019	-0.094	0.166	0.195	0.158	0.023
A021274_01	-0.303	-0.245	0.067	-0.177	-1.039	-1.131	-0.244	-0.036
A021276_01	0.064	-0.019	0.039	0.058	0.228	0.261	0.136	0.216
A021293_01	-0.743 NA		-0.739	-0.895	-0.625	-0.602 NA		-0.479
A021294_01	-0.004	0.136	-0.186	-0.187	0.344	0.392	0.214	0.193
A021295_01	-0.211	-0.189	-0.495	-0.453	-0.076	0.026	0.151	0.143
A021299_01	-0.783	-0.646	-1.004	-0.86	-1.139	-1.112	-0.833	-0.801
A021303_01	-0.216	-0.37	0.162	0.226	-0.807	-0.846	-0.048	-0.053
A021309_01	0.405	0.48	-0.503	-0.435	0.463	0.763	0.466	0.457
A021313_01	0.137	0.201	-0.154	-0.153	0.006	0.179	-0.215	-0.024
A021323_01	-0.029 NA	NA		0.056 NA		-0.957 NA		-0.145
A021335_01	0.31 NA		-0.333	-0.391 NA		-1.461	0.124	0.003
A021338_01	-0.351	-0.785	-0.095	-0.272	-0.708	-0.685	-0.232 NA	
A021339_01	-0.002	0.17 NA		-0.604	0.467	0.637 NA		0
A021340_01	-0.322	-0.271	-0.142	-0.29	0.018	0.101	-0.192	0.023
A021341_01	-0.271	-0.171	-0.022	-0.09	-0.004	0.122	-0.186	0.008
A021342_01	0.005	-0.11	0.192	0.187	0.238	0.008	-0.253	-0.413
A021344_01	-0.328	-0.263	0.145	0.141	-1.099	-1.393	-0.236	-0.249
A021347_01	0.261	0.273	0.003	0.125	0.489	0.554	0.198	0.134
A021354_01	-0.292	0.134 NA	NA		0.52	0.908 NA		0.287
A021368_01	-0.202	0.03	0.151	-0.018	0.258	0.344	-0.147	0.203
A021372_01	0.012	0.34	0.104	-0.038	0.105	0.129	-0.124	-0.017
A021375_01	0.181	0.297	-0.21	0.04	0.246	0.528	-0.074	0.037
A021377_01	0.223	0.625	0.133	-0.043	0.442	0.671	0.043	0.408
A021389_01	-0.115	-0.1	-0.272	-0.019	-1.066 NA		-0.315	-0.223
A021392_01	-0.07	-0.044	-0.093	-0.075	0.019	-0.023	-0.209	-0.304
A021395_01	0.17	0.145	-0.076	-0.126	0.126	0.082	-0.045	0.026
A021401_01	0.17 NA		0.067	-0.221	-0.137	-0.196	0.227	0.113
A021411_01	-0.547 NA		-0.221	-0.096 NA	NA		-1.15	-1.182
A021413_01	0.255 NA		-0.089	-0.378	-0.002	-0.202	0.257	0.127
A021419_01	-0.3	-0.363	-1.475	-1.43	0.14	0.45	-0.999	-1.111
A021427_01	-0.005	0.174	-0.02	0.149	0.084	0.142	-0.092	-0.118
A021428_01	0.217 NA		0.075	-0.046 NA		-0.451	-0.003	-0.179
A021434_01	-0.523	-0.178	0.058	-0.306	-0.782	-0.866	-0.057	0.206
A021438_01	-0.058	0	0.167	0.107	0.333	0.426	-0.096	-0.11
A021440_01	-0.125	-0.08	-0.182	-0.047	-0.026	0.039	-0.022	0.099
A021441_01	-0.232	-0.067	-0.299	-0.351	-0.039	0.133	-0.034	0.245

A021444_01	-0.229	-0.068	-0.046	-0.068	-0.204	-0.063	-0.038	0.077
A021451_01	-0.132	0.091	-0.061	-0.094	0.115	0.261	0.036 NA	
A021454_01	-0.059	-0.182	-0.123	-0.255	0.067	0.244	-0.046	-0.054
A021462_01	0.017	-0.039	-0.371	-0.363	-0.134	-0.056	0.268	0.15
A021464_01	0.385	0.109	-0.333	-0.4	-0.929	-1.17	0.552	0.39
A021466_01	0.33 NA		-0.055	0.231 NA	NA		-0.004	0.212
A021467_01	-0.538 NA		-0.132	-0.411	-0.447	-0.448	-0.047	0.017
A021472_01	-0.511	-0.156	0.201	-0.129	-0.783	-0.932	0.256	0.052
A021474_01	0.028	0.037	-0.364	-0.135	-0.215	-0.123	0.127	0.194
A021476_01	0.125	-0.132	0.2	0.155	-0.59	-0.817	0.033	-0.17
A021491_01	-0.269	-0.161	0.02	-0.01	-0.179	-0.086	-0.05	-0.07
A021492_01	-0.372	-0.13	-0.093	-0.291	0.207	0.335	0.249	0.412
A021494_01	-0.45	-0.25	0.03	-0.266	-0.885	-1	-0.288	-0.201
A021497_01	-0.635	-0.38	-0.336	-0.322	-0.98	-0.931	-0.494	-0.214
A021498_01	-0.131	-0.076	-0.279	-0.272	0.075	0.174 NA		-0.075
A021500_01	-0.341	-0.304	-0.316	-0.217	-1.161	-1.184	-0.385	-0.358
A021510_01	-0.617	-0.254	-0.206	-0.163	-1.101	-1.158	-0.416	-0.264
A021511_01	-0.12	-0.051	-0.246	-0.174	-0.127	-0.002	-0.064	-0.056
A021517_01	-0.215	-0.211	-0.107	0.18	-0.939	-0.956	-0.097	-0.239
A021520_01	-0.179	-0.297	-0.541	-0.444	-0.283	-0.09	-0.135	-0.129
A021521_01	-0.09 NA		0.476	0.052	-0.821	-1.053	0.258	0.407
A021526_01	-0.333	-0.283	-0.116	0.049	-0.472	-0.365	-0.268	-0.241
A021528_01	0.193 NA		0.35	0.206	0.169	-0.085	0.11	0.12
A021529_01	0.212	0.113	-0.301	-0.302	0.297	0.305	0.324	0.158
A021538_01	-0.186	0.059	0.335	0.066	0.558	0.681 NA		-0.059
A021539_01	-0.309	-0.126	0.262	-0.155	-0.476	-0.471	0.086	0.078
A021542_01	-0.124	-0.03	0.067	0.026	-0.402	-0.318 NA		0.031
A021546_01	0.26	0.628	0.499	0.222	0.686	0.775	-0.008	0.108
A021549_01	-0.441	-0.259	-0.25	-0.04	-0.729	-0.569	-0.374	-0.281
A021551_01	-0.813	-0.819	-0.212	-0.417	-0.485	-0.295	0.04	0.101
A021552_01	-0.274	-0.092	-0.104	0.103	-0.15	-0.064	0.16	0.198
A021557_01	-0.006	0.29	-0.417	-0.611	0.156	0.377 NA		0.033
A021560_01	0.012 NA		0.088	-0.28	-0.196	-0.226 NA		-0.226
A021562_01	-0.185	-0.067	-0.212	-0.149	0.034	0.156	0.344	0.275
A021563_01	-0.212	-0.283	0.172	0.11	-0.246	-0.116	-0.095	-0.054
A021565_01	-0.093	-0.109	-0.195	0.036	-0.951	-0.785	-0.47	-0.398
A021567_01	0.148	-0.124	-0.305	-0.458	0.039	-0.01	0.288	0.115
A021568_01	-0.03	-0.107	0.039	-0.106	0.208	0.349	0.072	-0.046
A021577_01	-0.387	-0.39	-0.244	-0.104	-1.068	-1.291	-0.281	-0.404
A021580_01	-0.096	-0.037	-0.185	-0.055	-0.003	0.004	0.197	0.032
A021585_01	-0.441	-0.684	-0.02	-0.012	-0.712	-0.608	-0.208	-0.282
A021587_01	0.046	-0.091	-0.104	-0.17	0.068	0.022	0.194	-0.038
A021589_01	0.144	0	0.226	0.079	-0.054	-0.239	0.079	-0.069
A021592_01	-0.048	-0.198	0.086	-0.138	0.37	0.614	0.298	0.329
A021593_01	-1.005	-1.282	-0.242	-0.246	-0.414	-0.27	0.309	0.657
A021594_01	-0.189	0.001	-0.133	-0.051	0.524	0.783	0.26	0.376
A021595_01	-1.099	-0.595	-0.34	-0.521	0.716	0.929	0.326	0.407
A021601_01	-0.359	-0.363	-0.254	-0.186	-1.097	-1.268	-0.239	-0.291
A021607_01	-0.11	-0.15	-0.33	-0.43	0.24	0.47	0.155	0.188
A021613_01	-0.732	-0.779	-0.456	-0.673	-0.462	-0.575	-0.158	-0.152
A021615_01	0.442	0.373	0.074	0.055	-0.107	-0.238	0.04	-0.052
A021616_01	0.064	-0.304 NA		-0.153 NA		0.122 NA	NA	
A021619_01	-0.391 NA		0.151 NA		0.301	0.399 NA	NA	
A021628_01	0.514	0.426	0.102	-0.149	-0.528	-0.625	-0.658	-0.361
A021629_01	0.043	0.186	-0.438	-0.413	-0.383	-0.476	-0.119	0.021
A021635_01	0.123	0.242	0.289	-0.049	0.534	0.597	-0.03	-0.058
A021636_01	0.076	-0.271	-0.189	-0.314	0.119	0.226	0.355	0.269
A021638_01	-0.07	-0.003	-0.089	-0.149	-0.06	0.1	0.077	0.118
A021640_01	-0.147	0.009	-0.076	-0.237	-0.057	-0.038	-0.009	0.19
A021641_01	0.212	-0.032	-0.125	-0.045	0.451	0.527	0.292	0.184
A021643_01	-0.166	0.166	0.023	-0.405	0.046	0.436	-0.062	0.576
A021647_01	-0.161	-0.151	-0.114	-0.095	-0.84	-0.826	-0.214	0.029
A021648_01	0.307	-0.038	-0.102	-0.254	-0.077	-0.342	0.251	-0.042
A021652_01	0.09	0.002	0.012	0.04	0.103	0.03	0.055	0.004
A021659_01	-0.444	-0.347 NA	NA		-0.149	0.027 NA	NA	
A021661_01	0.02 NA		0.012	-0.413 NA		0.054 NA		0.073
A021662_01	-0.172 NA	NA		-0.099	-0.253	-0.203 NA	NA	
A021670_01	0.112	-0.128	-0.278	-0.178	0.07	0.207	0.352	0.244

A021673_01	0.262	NA	-0.182	-0.282	NA	0.259	0.209	-0.101
A021677_01	0.307	-0.023	-0.229	-0.183	-0.263	-0.552	NA	-0.12
A021682_01	-0.122	-0.237	-0.118	-0.07	-0.442	-0.577	0.158	-0.18
A021691_01	-0.146	-0.106	-0.301	-0.353	-0.106	0.008	0.095	0.175
A021696_01	0.08	0.183	0.056	0.203	-0.361	-0.26	-0.516	-0.466
A021697_01	-0.087	-0.087	-0.176	-0.26	-0.062	-0.104	0.092	-0.063
A021700_01	-0.083	-0.014	0.265	-0.019	-0.102	0.198	-0.271	-0.264
A021701_01	-0.379	-0.389	-0.207	-0.141	-1.208	-1.221	-0.328	-0.229
A021703_01	-0.155	-0.182	-0.484	-0.309	-0.213	-0.124	0.443	0.282
A021708_01	0.015	NA	0.098	0.085	-0.069	0.461	0.094	0.08
A021709_01	-0.028	NA	0	-0.212	0.706	1.023	NA	NA
A021712_01	-0.478	-0.271	-0.198	0.103	-1.082	-1.155	-0.362	-0.278
A021718_01	-0.464	NA	-0.603	-0.526	NA	NA	-1.061	NA
A021719_01	0.009	0.101	-0.325	-0.331	0.303	0.496	0.276	0.397
A021724_01	-0.29	0.191	-0.274	-0.604	0.15	0.344	0.186	0.297
A021726_01	-0.433	-0.355	-0.232	-0.229	-0.261	-0.214	NA	0.204
A021730_01	-0.041	-0.14	-0.216	-0.318	-1.084	-1.229	-0.462	-0.468
A021739_01	-0.3	-0.299	-0.254	-0.37	-0.444	-0.413	-0.082	-0.217
A021749_01	0.455	0.184	-0.667	-0.685	-0.272	-0.541	-1.059	-0.841
A021753_01	-0.128	NA	0.381	NA	NA	-0.242	NA	NA
A021759_01	0.286	0.197	-0.364	-0.413	-0.021	0.015	0.027	0.015
A021760_01	-0.406	-0.035	-0.347	-0.313	-0.333	-0.21	-0.106	0.069
A021765_01	-0.08	NA	-0.235	0.034	0.113	0.209	0.204	0.061
A021769_01	-0.017	NA	-0.13	-0.242	0.274	0.246	0.153	0.143
A021771_01	-0.35	0.013	-0.117	-0.322	-0.678	-0.561	-0.383	-0.165
A021772_01	-0.079	0	-0.12	-0.057	0.13	0.328	0.088	0.06
A021782_01	-0.472	-0.337	-0.159	0.022	-1.118	-1.062	-0.145	-0.258
A021785_01	-0.055	-0.051	-0.077	-0.164	-0.562	-0.853	-0.035	-0.232
A021786_01	-0.151	-0.08	0.14	0.203	0.018	0.192	-0.044	-0.077
A021791_01	0.301	-0.012	0.004	0.151	0.098	0.078	0.04	-0.234
A021794_01	-1.121	NA	0.383	-0.261	-0.333	NA	-0.067	0.129
A021796_01	0.44	0.516	-0.224	0.055	-0.758	-0.826	0.03	-0.161
A021797_01	0.271	-0.033	0.32	-0.151	0.46	0.458	0.149	-0.148
A021799_01	-0.451	-0.516	-0.262	-0.205	-0.463	-0.508	0.153	0.01
A021802_01	-0.305	-0.287	-0.243	-0.113	-1.344	-1.335	-0.132	-0.32
A021803_01	-0.056	0.073	-0.276	-0.059	-0.649	-0.488	-0.351	-0.162
A021804_01	0.097	0.123	-0.052	-0.321	0.1	0.005	0.005	0.033
A021805_01	-0.022	0.278	0.02	0.144	0.286	0.515	-0.099	-0.039
A021807_01	-0.269	-0.091	-0.32	-0.197	-0.074	0.176	-0.688	NA
A021810_01	0.078	-0.03	-0.039	-0.114	-0.101	-0.015	-0.192	-0.143
A021811_01	-0.368	0.15	-0.655	-0.392	0.255	0.707	0.091	0.491
A021812_01	-0.445	NA	-0.189	-0.574	-0.141	-0.131	NA	NA
A021813_01	0.061	0.167	-0.131	-0.281	0.318	0.455	0.069	0.301
A021814_01	-0.085	0.012	0.294	0.141	0.364	0.505	-0.017	-0.01
A021815_01	-0.293	-0.298	-0.282	-0.31	-0.341	0.041	-0.495	-0.182
A021816_01	-0.087	NA	-0.2	-0.698	0.044	0.279	NA	0.089
A021817_01	0.143	0.036	0.122	-0.04	-0.069	-0.23	0.122	0.053
A021818_01	-0.216	-0.017	-0.211	-0.287	-0.05	0.126	-0.089	0.152
A021820_01	0.351	0.238	-0.19	-0.17	0.717	0.975	0.287	0.268
A021821_01	-0.054	0.148	-0.127	-0.281	-0.07	0.11	0.067	0.458
A021822_01	-0.315	-0.026	0.163	-0.297	0.237	0.485	-0.031	0.447
A021823_01	-0.281	-0.627	-0.012	-0.056	-0.278	-0.147	0.05	0.006
A021827_01	-0.197	-0.059	-0.032	0.044	0.044	0.343	0.231	0.175
A021828_01	0.05	NA	0.258	0.166	NA	NA	NA	NA
A021829_01	-0.552	-0.54	-0.486	-0.67	-0.276	-0.411	-0.354	-0.077
A021830_01	-1.031	-0.862	0.029	0.416	0.07	0.702	NA	NA
A021832_01	0.195	NA	0.294	0.109	NA	-0.285	0.126	-0.097
A021833_01	0.319	0.08	0.044	-0.253	0.143	0.266	-0.021	-0.319
A021835_01	-0.087	-0.165	-0.355	-0.158	0.388	0.707	0.32	0.262
A021838_01	-0.235	0.077	0.081	-0.057	-0.071	0.092	-0.534	-0.111
A021839_01	-0.354	NA	0.435	0.219	0.546	0.589	0.1	0.074
A021840_01	-0.157	-0.15	0.116	NA	0.121	-0.026	NA	NA
A021842_01	-0.425	-0.449	0.129	0.17	-0.097	0.11	-0.126	0.123
A021843_01	-0.004	0.12	-0.394	-0.101	-0.015	0.197	-0.04	-0.072
A021845_01	-0.136	-0.125	-0.069	-0.156	-0.084	0.068	-0.14	-0.201
A021846_01	-0.03	-0.167	0.103	0.031	-0.084	-0.444	0.072	-0.23
A021848_01	0.067	NA	0.272	0.229	NA	0.155	NA	-0.076
A021850_01	0.014	0.247	-0.02	-0.131	0	0.308	-0.153	0.295

A021851_01	0.434	0.256	0.34	0.553	0.236	0.579	-0.103	-0.208
A021853_01	-0.235	-0.161	-0.408	-0.371	-0.381	-0.255	-0.263	-0.006
A021856_01	0.172	-0.215	-0.105	-0.295	-0.658	-1.039	-0.126	-0.413
A021857_01	-0.181	-0.316	-0.235	-0.063	-1.086	-1.052	-0.399	-0.511
A021858_01	-0.09	0.04	-0.354	-0.354	0.001	0.019	0.035	0.19
A021859_01	0.833	0.634	0.124	-0.022	-0.448	-0.885	-0.43	-0.409
A021860_01	0.053	0.11	-0.443	-0.331	-0.001	0.167	0.283	0.409
A021864_01	-0.02	0.049	-0.352	-0.279	-0.093	-0.24	0.007	0.093
A021865_01	-0.04	0.129	-0.061	-0.2	-0.206	-0.088	-0.102	0.163
A021866_01	0.004	0.16	-0.261	-0.149	0.053	0.191	-0.155	-0.092
A021867_01	-0.001	-0.117	-0.301	-0.543	0.298	0.337	0.344	0.266
A021868_01	0.227	0.347	0.08	0.17	-0.116	0.039	0.033	0.279
A021870_01	-0.098	-0.133	-0.017	-0.184	0.177	0.339	-0.007	0.15
A021873_01	-0.2	-0.12	-0.345	-0.217	0.221	0.365	0.112	0.072
A021874_01	-0.123	0.14	-0.316	-0.185	0.264	0.741	-0.089	0.326
A021876_01	0.334	0.369	-0.075 NA		-0.411	-0.513 NA		0.275
A021878_01	-0.205	-0.1	-0.162	-0.516	-0.202	-0.103 NA	NA	
A021882_01	0.76	0.803	-0.449	-0.464	-0.623	-0.698	-0.478	-0.316
A021884_01	-0.239	-0.151	-0.233	-0.253	-0.915	-1.056	-0.479	-0.387
A021885_01	0.227	0.091	0.047	0.058	-0.127	-0.23	0.081	-0.002
A021888_01	0.112	0.082	0.327	-0.021	-0.076	-0.289	0.078	0.067
A021889_01	-0.108	-0.049	0.069	0.101	-0.798	-0.765	-0.266	-0.219
A021890_01	0.371	0.362	-0.76	-0.639	-0.014	0.089	0.083	0.001
A021891_01	-0.257	-0.151	-0.053	-0.105	-0.76	-0.784	-0.26	-0.188
A021893_01	-0.752	-0.715	-1.589	-1.336	0.215	0.44	-0.036	-0.204
A021894_01	-0.326	0.442	0.195	-0.233	0.461	0.821	-0.437	0.034
A021895_01	0.059	0.286	0.237	0.171	-0.044	0.14	-0.205	0.041
A021897_01	-0.026	-0.167	0.07	0.108	0.018	-0.105	-0.054	-0.146
A021898_01	0.62	0.352	-0.698	-0.601	-0.047	-0.016	-0.643	-0.605
A021899_01	0.119 NA	NA		-0.456 NA		0.041	0.427	-0.096
A021900_01	0.079	0.038	0.113	-0.217	-0.185	-0.362	0.142	0.025
A021901_01	-0.373	-0.31	-0.111	-0.23	-0.034	0.058	-0.779	-0.436
A021903_01	0.437	-0.172	0.352	0.088	-0.575	-0.852	-0.115	-0.426
A021905_01	-0.501	-0.109	-0.151	-0.213	-0.865	-0.823	-0.045	0.031
A021906_01	-0.231	-0.209 NA		-0.546	0.1	0.307 NA		0.064
A021907_01	0.234	0.389	0.4	0.277	0.345	0.503	-0.06	0.008
A021908_01	-0.655	-0.939	-0.71	-0.935	-1.118	-1.318	-0.504	-0.333
A021909_01	-0.095	-0.133	0.048	-0.054	-0.968	-1.085	-0.101	-0.232
A021913_01	-0.245	0.149	-0.859	-1.019	0.366	0.514	0.47	0.586
A021915_01	0.228	-0.184	0.01	-0.098	0.091	-0.15	0.303	-0.132
A021916_01	0.02	0.164	0.116	-0.01	0.021	0.173	-0.27	-0.157
A021920_01	-0.023 NA		0.124 NA	NA		0.512 NA		0.323
A021921_01	-0.037	-0.154	-0.679	-0.697	-0.309	-0.081	0.279	0.222
A021922_01	0.206	0.014	0.026	-0.035	0.355	0.554	0.146	0.01
A021924_01	-0.411	0.024	0.362	-0.146	0.13	0.318	-0.066	0.609
A021926_01	-0.048	0.138	-0.022	-0.138	-0.034	0.304	-0.328	-0.056
A021927_01	-0.313	-0.223	-0.55	-0.653	-0.211	-0.124	-0.026	0.16
A021928_01	-0.002 NA		0.41	-0.066	0.674	0.7	-0.049	0.137
A021929_01	0.027	0.412	0.087	-0.059	0.037	0.2	-0.087	0.136
A021930_01	-0.644	-0.513	-0.744	-0.785	-0.72	-0.684	-0.429	-0.471
A021931_01	-0.393	-0.42	-0.212	0.069	-1.337	-1.453	-0.16	-0.262
A021932_01	-0.151	-0.164	-0.274	-0.123	-0.778	-0.827	-0.346	-0.456
A021933_01	-0.044	-0.122	-0.052	-0.107	-0.59	-0.687	-0.131	-0.275
A021934_01	-0.426	-0.362	-0.176	-0.076	0.048	0.148	-0.842	-0.689
A021935_01	0.293	0.36	0.138	-0.118	0.091	-0.174	0.094	-0.039
A021937_01	-0.171	-0.166	0.41	0.204	-0.459	-0.548	-0.387	-0.373
A021938_01	-0.462	-0.31	-0.258	-0.213	-0.802	-0.662	-0.486	-0.401
A021939_01	0.1	-0.157	0.169	-0.087	-0.576	-0.864	-0.002	-0.155
A021941_01	-1.527	-1.528	-1.136	-1.334	-1.572	-1.485	-1.291	-1.129
A021942_01	-0.042	-0.085	-0.192	-0.111	0.023	0.113	0.288	0.23
A021946_01	-0.069 NA		0.148	-0.007	-0.325	-0.395 NA		0.028
A021948_01	0.197	0.138	0.194	-0.333	0.005	-0.079 NA		-0.142
A021949_01	-0.255	-0.155	-0.008	-0.155	-0.476	-0.584 NA	NA	
A021950_01	-0.095	-0.093	-0.178	-0.085	-0.808	-0.848	-0.392	-0.357
A021951_01	-0.047	-0.127	0.169	0.048	-0.142	-0.106	0.177	0.18
A021954_01	0.645	0.093	0.352	0.099	-0.661	-0.929	0.456	0.135
A021955_01	0.187	0.061	-0.012	-0.239	-0.53	-0.676	0.179	0.198
A021956_01	0.202	0.319	0.135	-0.099	0.345	0.389	0.034	0.17

A021958_01		0.294	0.431	0.483	0.444	0.132	0.382	-0.179	-0.104
A021959_01		-1.167 NA	NA	NA		0.925	1.455 NA		-1.995
A021961_01		-0.491	-0.203	-0.014	-0.1	-1.036	-0.981	-0.484	-0.264
A021962_01		-0.146	0.26	0.03	0.139	0.015	0.251	-0.098	0.097
A021963_01		-0.174	-0.28	0.346	-0.141	0.141	0.042	0.236	-0.054
A021966_01		-0.102	-0.258	0.056	-0.239	-0.253	-0.328	-0.373	-0.311
A021968_01		0.106	0.587	0.1	0.055	0.05	0.249	-0.098	0.34
A021969_01		-0.19	-0.131	-0.093	-0.092	-0.105	0.03	0.034	0.193
A021970_01		0.498	0.026	-0.122	-0.423	0.03	-0.17	0.138	-0.216
A021971_01		0.004	-0.182	-0.166	0.033	-0.831	-0.922	-0.188	-0.338
A021976_01		-1.772	-1.385 NA	NA		1.312	1.863	0.95	0.931
A021978_01		-1.115	-0.508	-0.888	-1.087	-0.394	-0.28	-0.776	-0.553
A021979_01		-2.487	-1.565	-4.005	-2.779	1.091	1.43	-0.815	-1.221
A021980_01		-0.039	-0.051	-0.199	-0.531	0.04	0.496 NA	NA	
A021981_01		-0.019	0.15	0.091	-0.34	0.209	0.534 NA		0.203
A021982_01		-0.258	-0.524	-0.025	-0.005	-1.469	-1.779	-0.285	-0.553
A021983_01		-0.363	-0.434	0.048	-0.261	0.353	0.123	-0.021	-0.217
A021984_01		0.116	-0.109	0.292	0.462	-0.121	-0.123	-0.103	-0.157
A021986_01		0.288	-0.17	-0.099	-0.276	-0.412	-0.643	0.039	-0.347
A021988_01		-0.163	0.019	0.042	-0.198	0.361	0.543	0.156	0.266
A021989_01		-0.099	-0.192	-0.005	-0.133	-0.173	-0.166	0.124	0.083
A021990_01	NA	NA		-0.24 NA	NA		0.589 NA	NA	
A021992_01		-0.158	-0.402	0.114	0.181	-1.087	-1.183	-0.414	-0.522
A021993_01		-0.207	0.062	-0.334	-0.314	0.144	0.538	0.043	0.305
A021994_01		0.191	-0.251	-0.114	-0.221	-0.841	-0.861	-0.191	-0.157
A021995_01		0.002	-0.082	0.06	0.084	-0.164	-0.231	-0.212	-0.319
A021997_01		-0.637	-0.144	0.019	-0.032	-1.29	-1.328	-0.581	-0.422
A021998_01		-0.577	-0.549	-1.243	-1.037	-1.793	-1.876	-0.874	-0.698
A021999_01		-0.079	-0.066	-0.435	-0.456	-0.151	-0.052	-0.198	-0.184
A022000_01		-1.075	-0.783	-1.075	-1.157	-2.125	-2.507	-0.701	-0.772
A022001_01		-1.773	-1.378 NA		-3.209	0.874	1.558	0.564	0.468
A022003_01		-0.067	0.04	-0.185	-0.181	0.038	0.119	-0.02	-0.09
A022005_01		0.191	-0.178	-0.011	-0.05	0.04	0.005	0.038	-0.175
A022006_01		0.059	0.141	-0.404	-0.255	-0.21	-0.012	-0.163	0.034
A022009_01		-0.229	-0.223	-0.248	-0.005	-0.869	-0.871	-0.519	-0.587
A022010_01		-0.446	-0.214	-0.395	-0.149	-1.281	-1.153	-0.386	-0.327
A022011_01		-0.216	0.052	-0.006	-0.019	0.07	0.275	-0.025	0.003
A022013_01		-0.097	0.49	0.048	-0.177	0.159	0.168	0.109	0.295
A022014_01		-0.117	0.01	-0.217	-0.603	0.127	0.108	0.229	0.294
A022015_01		0.237	0.206	-0.102	-0.088	0.361	0.516	-0.109	-0.005
A022018_01		-0.265	-0.271	-0.229	-0.037	-1.13	-1.038	-0.202	-0.295
A022019_01		-0.078	0.047	-0.026	-0.192	0.008	-0.073	0.027	-0.033
A022020_01		-0.066	0.044	-0.074	0.147	-0.928	-0.974	-0.143	-0.008
A022021_01		-0.845	-0.37	-0.468	-0.271	-1.218	-1.069	-0.682	-0.363
A022022_01		-0.107	-0.02	0.252	0.262	-0.517	-0.495	-0.117	-0.188
A022024_01		0.358	0.255	-0.543	-0.948	0.361	0.262	0.252	0.082
A022025_01		0.009	-0.067	-0.076	0.022	-0.113	-0.101	-0.083	-0.184
A022026_01		-0.59	-0.463	0.02	-0.004	-1.332	-1.47	-0.532	-0.448
A022027_01		-0.042	-0.112	-0.066	-0.094	-0.281	-0.063	-0.155	-0.018
A022029_01		-0.181	0.243	-0.016	-0.124	0.106	0.273	-0.114	0.017
A022033_01		-0.254	-0.358	-0.211	-0.238	-0.207	-0.212	-0.143	-0.271
A022034_01		-0.043	0.288	-0.032	0.158	-0.005	0.13	-0.084	0.056
A022038_01		0.032	0.196	-0.087	0.119	0.123	0.219	0.04	0.077
A022039_01		0.376	0.47	0.485	0.367	0.037	-0.064	-0.695	-0.726
A022040_01		0.322	0.204	-0.556	-0.455	-0.051	-0.255	-0.309	-0.453
A022043_01		-0.404	-0.122	0.069	0.066	-1.082	-1.208	-0.22	-0.045
A022044_01		-0.048	-0.389	0.241	0.089	-1.207	-1.598	-0.308	-0.462
A022045_01	NA		0.202	-0.106	-0.29	-0.13	0.008	0.015	0.23
A022046_01		0.05 NA		0.036	0.031 NA		-0.963	-0.194	-0.151
A022047_01		-0.362	-0.439	-0.294	-0.256	-1.09	-1.036	-0.414	-0.485
A022048_01		-0.502	-0.568	0.34	0.014	-0.09	0.046	-0.441	-0.561
A022077_01		-0.146	0.154	-0.008	-0.164	0.393	0.836	0.067	0.296
A022102_01		0.131	-0.291	0.623	0.345	0.912	0.936	0.219	-0.015
A022105_01		0.69	0.947	0.204	-0.021	0.513	0.644 NA		0.035
A022107_01		-0.378	-0.338	-0.305	-0.18	-1	-1.319	-0.073	-0.325
A022112_01		0.312	0.246	-0.095	-0.434	0.47	0.762	-0.148	0.203
A022113_01		-0.34	0.168	0.157	0.112	0.146	0.208	-0.209	-0.001
A022117_01		0.161	0.028	0.19	0.061	0.164	0.025	-0.065	-0.144

A022118_01	-0.05	0.117	-0.199	-0.202	0.041	0.227	0.049	0.229
A022120_01	-0.134	-0.038	0.106	-0.026	-0.178	-0.053	-0.236	-0.145
A022121_01	0.017	0.011	0.333	0.4	-0.05	0.186	-0.345	-0.209
A022125_01	-0.083 NA		0.191	0.012	0.136	0.198 NA	NA	
A022126_01	0.095	0.051	-0.751	-0.796	0.091	0.06	-0.115	-0.34
A022130_01	-0.049	-0.084	-0.048	-0.131	0.103	0.115	-0.053	-0.032
A022138_01	0.152	0.195	0.012	-0.264	0.205	0.147	0.011	0.013
A022140_01	0.014	0.104	-0.02	-0.25	0.217	0.369	0.181 NA	
A022156_01	0.189	0.2	0.186	-0.334	0.202	0.103 NA		-0.074
A022163_01	0.014	0.057	-0.085	-0.013	-0.189	-0.069	-0.159	-0.291
A022164_01	-0.198	0.066	0.098	-0.076	-0.846	-1.047	-0.093 NA	
A022171_01	-0.226	-0.18	-0.246	-0.213	-0.236	-0.14	0.094	0.198
A022183_01	0.182	0.107	-0.016	-0.055	0.003	-0.067	0.034	-0.145
A022196_01	0.149	-0.142	0.03	-0.127	-0.018	-0.382	0.394	0.015
A022202_01	-0.246	-0.369	-0.086	-0.139	-0.47	-0.517	-0.424	-0.486
A022215_01	0.049	-0.094	0.177	0.161	0.24	0.298	0.129	0.026
A022218_01	0.095 NA		0.058	-0.164	-0.058	-0.236	0.221	-0.019
A022230_01	0.065	0.03	-0.016	-0.111	0.02	-0.116 NA		-0.098
A022248_01	0.22 NA		0.14	0.055	-0.013	-0.068 NA		-0.25
A022267_01	0.032 NA		0.422	0.154	-0.412	-0.782 NA		-0.475
A022269_01	0.137	-0.183	-0.002	0.013	0.396	0.521	0.168	-0.015
A022275_01	0.303	0.395	0.233	0.201	-0.031	-0.194	-0.327	-0.283
A022279_01	0.079	-0.049	-0.145	-0.055	-0.015	0.033	0.033	-0.067
A022282_01	-0.434	-0.552	-0.048	-0.368	-0.726	-0.692 NA	NA	
A022283_01	0.242	-0.147	0.237	0.028	0.396	0.434 NA		-0.034
A022300_01	0.27 NA		-0.047 NA	NA		-0.388 NA	NA	
A022304_01	0.291	0.055	0.386	0.046	0.472	0.451 NA	NA	
A022306_01	-0.188	-0.07	-0.153	-0.319	0.463	0.526	0.39	0.479
A022311_01	0.409 NA		0.71	0.371	0.281	0.174	0.126	0.031
A022316_01	0.035 NA		0.194	-0.161	0.282	0.182	-0.004	-0.053
A022324_01	0.674	1.052	0.12	0.012	0.175	0.023	-0.244	-0.182
A022328_01	-0.031	-0.067	-0.388	-0.356	-0.299	-0.143	0.038	0.001
A022329_01	0.245 NA	NA		-0.594 NA		-0.231 NA		-0.401
A022339_01	0.334 NA		-0.402	-0.306	-0.021	-0.166	0.294	-0.016
A022358_01	-0.118	-0.006	0.217	0.151	0.628	0.802	0.14	0.13
A022365_01	0.3 NA		-0.135	-0.123	0.221	0.144	0.111	0.052
A022367_01	0.025	0.031	-0.058	-0.142	0.007	0.034 NA		-0.014
A022377_01	0.095	-0.004	-0.163	-0.187	0.272	0.335	0.145	0.098
A022381_01	0.331	-0.068	-0.069	-0.251	-0.287	-0.508	-0.066	-0.388
A022386_01	0.266	0.095	0.06	-0.257	0.195	-0.089	0.356	0.054
A022394_01	-0.522	-0.291	-0.095	-0.116	-0.597	-0.78	-0.09	-0.149
A022401_01	0.756	0.709	-0.186	0.08	0.659	0.706	0.401	0.43
A022405_01	0.535	0.155	-0.16	-0.223	0.407	0.379	0.308	0.032
A022406_01	-0.029 NA		0.361	-0.046	-0.308	-0.601	0.109	-0.023
A022410_01	0.172 NA		0.061 NA	NA		0.296 NA	NA	
A022417_01	-0.246	-0.001	0.187	0.156	0.04	0.236	-0.058	0.005
A022434_01	0.147 NA		0.052	-0.049 NA		0.003	0.065	-0.053
A022436_01	-0.214	-0.096	-0.122	-0.352	0.636	0.768	0.025	0.026
A022444_01	0.403	0.306	0.02	-0.026	0.055	-0.154 NA		-0.237
A022447_01	0.032 NA		0.027	0.047	0.195	0.428	-0.053	0.122
A022451_01	-0.027 NA	NA	NA		0.022	0.061 NA	NA	
A022457_01	0.17 NA		-0.16	-0.386	0.077	-0.143	0.209	-0.052
A022479_01	0.262	0.109	0.205	-0.206	0.134	0.063 NA		-0.005
A022485_01	0.591 NA		0.308	0.386 NA		-0.147 NA		-0.31
A022486_01	0.13 NA		0.4	0.024 NA	NA	NA		-0.345
A022488_01	0.263	0.046	0.135	0.081	-0.085	-0.25	0.091	-0.196
A022495_01	0.107	-0.096	0.118	0.018	0.095	0.025	0.095 NA	
A022502_01	0.247	0.119	0.225	-0.29	0.152	0.139	0.124	-0.037
A022509_01	-0.064	-0.131	0.166	0.063	-0.067	-0.169	0.009	-0.073
A022534_01	0.135	-0.166	0.284	0.009	-0.225	-0.488	0.061	-0.247
A022541_01	0.008	0.083	0.583	0.392	0.172	0.044	-0.28	-0.163
A022543_01	0.138	-0.075	0.006	-0.031	-0.013	0.104	0.234	0.12
A022546_01	-0.028 NA		0.24 NA		-0.36	-0.608 NA	NA	
A022551_01	0.429	0.481	0.388	0.054	0.472	0.331	-0.042	-0.088
A022555_01	0.145	0.068	-0.022	-0.089	0.04	0.069	0.145	-0.123
A022556_01	0.057	0.019	0.1	0.029	0.278	0.603	-0.127	-0.153
A022560_01	0.12	-0.098	-0.024	-0.135	-0.063	-0.127 NA	NA	
A022565_01	0.109	-0.334	-0.072	-0.402	0.119	0.142	0.188	0.014

A022569_01	NA	NA		0.25	-0.105	0.246	NA	NA		-0.077
A022570_01		-0.132	0.061	0.643	0.377	0.73	1.027	-0.582		-0.219
A022571_01		0.159	NA	0.167	0.002	0.512	0.569	0.109		0.012
A022583_01		0.314	0.74	0.382	-0.016	0.233	0.258	-0.333		-0.034
A022592_01		0.167	0.065	0.116	-0.182	0.262	0.227	-0.039		0.053
A022599_01		0.362	0.232	0.064	NA	0.333	0.346	NA	NA	
A022600_01		0.027	0.053	-0.345	-0.322	-0.099	-0.167	0.044		0.13
A022619_01		0.485	0.371	0.404	0.158	0.56	0.663	NA	NA	
A022624_01		-0.124	-0.08	NA	NA	0.571	0.531	NA	NA	
A022627_01		0.186	0.056	0.22	-0.02	0.104	-0.024	-0.041		-0.134
A022634_01		0.347	0.1	0.094	0.057	0.257	0.183	0.044		-0.196
A022635_01		-0.461	-0.316	0.4	0.104	-0.002	-0.08	-0.244		-0.438
A022637_01		0.205	0.142	-0.16	-0.098	0.33	0.391	0.307		0.13
A022643_01		0.15	-0.156	0.384	0.295	0.902	1.15	0.524		0.221
A022657_01		-0.193	-0.22	-0.339	-0.324	0.305	0.606	-0.019		0.04
A022664_01		0.046	NA	-0.078	0.017	0.14	0.019	NA		-0.097
A022666_01		0.231	NA	0.184	-0.019	0.123	0.099	0.08		0.028
A022671_01		0.086	-0.205	0.025	-0.243	0.19	0.095	0.19		-0.134
A022689_01		-0.473	NA	-0.246	-0.186	-0.209	-0.227	-0.552		-0.621
A022702_01		-0.108	-0.302	0.355	0.05	0.043	-0.078	-0.167		-0.264
A022705_01		-0.078	NA	-0.089	-0.135	0.243	0.116	0.217		-0.056
A022708_01		0.129	NA	0.065	-0.066	NA	-0.052	0.3		0.001
A022729_01		0.328	NA	0.492	0.548	0.293	0.557	0.357		0.236
A022731_01		-0.272	NA	NA	NA	NA	-0.077	NA	NA	
A022735_01		0.289	0.109	0.77	0.713	0.729	0.896	-0.283		-0.173
A022749_01		-0.04	NA	0.027	-0.104	-0.289	-0.428	NA		-0.36
A022755_01		0.134	0.224	-0.033	NA	0.041	0.058	-0.068		-0.051
A022764_01		-0.075	NA	NA	-0.381	0.374	0.261	0.419		0.238
A022765_01		-0.009	-0.103	-0.08	-0.093	-0.031	-0.109	0.212		-0.061
A022779_01		-0.198	-0.426	-0.099	-0.078	0.122	0.091	0.057		-0.268
A022781_01		0.324	0.372	0.031	0.096	0.079	0.136	0.15		0.106
A022790_01		-0.188	-0.151	0.163	0.057	-0.187	-0.356	-0.286		-0.416
A022796_01		0.119	-0.058	-0.078	-0.027	-0.079	0.042	-0.025		-0.02
A022801_01		-0.105	NA	NA	-0.172	-0.076	-0.126	NA		-0.359
A022804_01		0.274	0.279	-0.186	-0.092	0.116	0.302	-0.025		-0.085
A022808_01		0.172	NA	-0.111	-0.195	NA	NA	0.224		0.131
A022817_01		0.187	0.012	0.268	-0.02	0.174	0.113	NA	NA	
A022821_01	NA	NA	NA	NA	NA	NA	NA	NA		-2.264
A022839_01		0.252	NA	0.47	0.124	0.031	0.047	-0.257		-0.207
A022844_01		-0.278	-0.322	0.174	-0.108	-0.869	-1.266	-0.243		-0.37
A022850_01		0.045	0.508	-0.105	NA	-0.064	-0.042	NA	NA	
A022862_01		0.07	0.242	0.443	0.493	-0.486	-0.524	NA	NA	
A022865_01		0.064	0.012	0.213	0.159	-0.242	-0.137	NA	NA	
A022874_01		0.108	0.249	0.146	0.303	0.125	0.173	-0.009		-0.148
A022882_01		-0.31	-0.22	-0.223	-0.169	-0.643	-0.716	-0.053		-0.032
A022901_01		0.458	0.111	NA	NA	0.309	0.438	NA		0.166
A022911_01		0.257	0.272	-0.079	-0.184	0.046	0.086	-0.21		-0.04
A022916_01		0.027	NA	NA	NA	0.212	0.174	NA	NA	
A022919_01		-0.467	-0.437	0.033	-0.014	-1.116	-1.221	-0.436		-0.347
A022922_01		0.003	-0.058	-0.23	-0.307	-0.16	-0.208	0.111		0.03
A022927_01		0.259	0.144	-0.013	0.084	0.155	0.282	-0.004		0.08
A022948_01		0.101	0.246	0.006	-0.275	0.392	0.52	-0.563		-0.555
A022952_01		0.011	-0.063	-0.077	-0.338	-0.062	-0.055	-0.058		-0.099
A022967_01		-0.197	NA	NA	-0.311	-0.337	-0.457	NA	NA	
A022968_01		-0.386	-0.408	0.016	-0.012	-0.258	-0.45	0.072		-0.234
A022972_01		0.119	-0.194	NA	-0.456	-0.049	-0.07	NA		0.008
A022975_01		0.207	0.058	0.361	0.14	0.301	0.156	0.197		0.098
A022983_01	NA	NA	NA	-0.077	-0.027	NA	-0.103	0.214		0.04
A022984_01		0.25	NA	0.097	-0.081	-0.37	-0.862	-0.005		-0.382
A022987_01		0.025	0.478	0.096	0.081	0.275	0.381	0.337		0.563
A022990_01		-0.277	-0.571	-0.498	-0.589	-1.027	-1.057	NA		-0.953
A022991_01		0.336	NA	0.356	-0.132	NA	NA	NA		-0.142
A022993_01		-0.044	-0.18	0.196	0.13	0.251	0.384	0.111		0.083
A022996_01		-0.179	NA	NA	NA	0.245	0.417	NA		-0.202
A022999_01		-0.694	NA	-0.507	NA	-0.374	-0.645	NA	NA	
A023023_01		0.208	0.002	0.12	-0.09	0.173	0.115	-0.002		-0.162
A023027_01		0.019	-0.172	-0.023	-0.308	0.488	0.343	-0.079		-0.188
A023029_01		-0.189	NA	0.328	0.27	0.425	0.604	0.142		-0.053

A023030_01	-0.026	NA	0.556	0.6	NA	0.441	0.106	-0.232
A023035_01	0.06	NA	0.067	NA	0.241	0.342	NA	NA
A023040_01	-0.026	NA	NA	NA	-0.049	-0.233	NA	NA
A023041_01	-0.202	-0.456	-0.044	-0.216	0.04	-0.043	0.123	-0.256
A023043_01	0.558	NA	0.294	-0.066	0.232	NA	NA	-0.265
A023045_01	0.084	-0.137	0.008	-0.131	0.351	0.468	0.128	-0.095
A023054_01	0.039	0.303	0.029	-0.143	NA	0.216	-0.387	-0.047
A023061_01	0.237	NA	NA	NA	-0.118	-0.245	NA	NA
A023066_01	-0.012	-0.099	-0.225	-0.115	-0.246	-0.125	-0.13	-0.199
A023075_01	-0.493	-0.258	-0.08	-0.209	-0.167	-0.167	-0.013	0.063
A023079_01	-1.428	NA	-0.83	NA	-1.655	-2.008	NA	-0.764
A023080_01	0.314	0.054	0.202	0.127	0.166	-0.106	0.016	-0.114
A023089_01	0.253	NA	NA	NA	-0.019	-0.021	NA	NA
A023091_01	0.124	NA	-0.68	-0.641	NA	NA	NA	0.034
A023102_01	0.03	NA	-0.201	NA	NA	-0.162	NA	NA
A023109_01	0.084	-0.077	-0.341	-0.299	-0.125	-0.279	0.149	0.01
A023113_01	-0.229	-0.138	0.009	0.007	0.045	-0.047	0.154	0.159
A023114_01	0.617	0.606	0.911	0.678	0.38	0.629	0.145	-0.12
A023119_01	0.092	-0.119	0.294	0.074	0.191	-0.042	0.342	0.045
A023126_01	0.228	-0.005	0.072	-0.043	0.157	0.095	0.234	0.125
A023130_01	-0.094	NA	-0.431	NA	-0.306	-0.201	NA	NA
A023136_01	0.192	0.228	0.136	0.16	0.116	0.069	-0.042	-0.205
A023137_01	-0.096	-0.053	0.016	0.045	-0.875	-0.948	-0.233	-0.267
A023138_01	0.436	0.437	NA	NA	0.006	0.222	NA	NA
A023148_01	0.007	0.072	-0.035	-0.071	0.207	0.212	0.226	0.143
A023158_01	-0.288	NA	0.545	0.245	0.211	0.184	NA	NA
A023159_01	-0.07	0.086	-0.128	-0.124	0.056	0.161	-0.381	-0.323
A023163_01	0.191	NA	NA	-0.239	-0.052	-0.417	NA	-0.099
A023177_01	-0.138	-0.338	-0.009	-0.217	-0.084	-0.068	0.004	0.008
A023183_01	-0.023	-0.001	0.147	0.079	-0.034	-0.23	-0.002	-0.182
A023185_01	0.64	0.264	-0.001	-0.087	0.325	0.159	0.11	-0.015
A023186_01	0.022	-0.214	0.193	-0.049	-0.141	-0.368	0.237	0.027
A023188_01	-0.089	NA	0.107	-0.012	-0.089	-0.208	0.092	0.179
A023198_01	-0.375	NA	0.243	NA	-0.361	-0.531	NA	NA
A023199_01	-0.444	NA	0.128	-0.238	0.838	1.075	NA	-0.009
A023202_01	0.038	NA	0.365	0.281	-0.294	-0.533	-0.06	-0.126
A023223_01	0.269	NA	0.153	-0.019	NA	NA	0.178	-0.014
A023228_01	0.335	0.216	-0.058	-0.126	0.188	0.264	0.09	-0.022
A023230_01	0.01	-0.01	0.24	0.198	0.26	0.205	-0.081	-0.06
A023232_01	0.304	0.239	0.159	0.077	-0.374	-0.475	NA	NA
A023237_01	-0.645	0.126	NA	-0.032	0.069	0.045	NA	NA
A023239_01	0.039	NA	0.356	0.141	0.55	0.421	-0.055	-0.236
A023241_01	0.025	-0.04	-0.138	-0.138	0.162	0.23	0.024	-0.009
A023242_01	0.869	0.819	0.07	-0.052	-0.015	-0.33	0.103	0.042
A023250_01	-0.385	0.084	0.069	-0.119	0.024	0.425	-0.269	0.226
A023252_01	0.2	-0.282	0.892	0.732	0.951	1.137	0.48	0.175
A023259_01	-0.018	-0.151	-0.043	-0.29	0.251	0.054	0.166	0.024
A023272_01	-0.277	-0.279	-0.552	-0.334	0.067	0.323	-0.124	0.01
A023277_01	-0.172	-0.082	-0.115	-0.267	0.758	0.906	0.326	0.272
A023279_01	0.032	-0.02	-0.37	-0.545	-0.31	-0.528	0.02	-0.233
A023283_01	0.244	0.352	NA	0.314	-0.097	0.021	NA	NA
A023287_01	0.585	NA	0.432	0.057	NA	NA	NA	-0.348
A023290_01	0.247	NA	NA	-0.301	0.116	-0.117	0.286	-0.111
A023297_01	-0.229	-0.546	NA	-0.724	-0.46	-0.826	NA	NA
A023312_01	0.115	0.044	-0.147	-0.374	0.325	0.329	NA	0.04
A023324_01	-0.074	-0.059	0.198	0.271	-0.294	-0.132	-0.76	-0.699
A023329_01	0.48	0.144	0.059	-0.258	0.398	0.343	NA	-0.046
A023335_01	-0.309	NA	0.576	0.399	0	0.084	NA	NA
A023339_01	0.109	0.109	0.041	0.012	-0.153	-0.103	-0.088	0.131
A023346_01	0.117	NA	NA	NA	0.038	0.059	NA	0.186
A023347_01	0.036	NA	-0.107	-0.173	-0.803	-1.073	-0.009	-0.204
A023348_01	NA	NA	0.303	0.02	0.312	0.287	0.264	0.059
A023353_01	0.365	0.227	-0.005	-0.073	0.342	0.384	0.129	0.14
A023354_01	0.41	0.399	0.356	0.145	0.617	0.653	0.207	0.183
A023363_01	-0.216	-0.31	0.1	-0.04	-0.343	-0.42	-0.198	-0.134
A023376_01	0.037	NA	-0.031	-0.345	NA	NA	-0.433	-0.599
A023378_01	0.155	0.197	-0.043	-0.104	-0.17	-0.318	0.053	0.048
A023386_01	0.09	0.047	-0.094	-0.043	0.083	0.141	0.107	-0.002

A023389_01	-0.158 NA		0	-0.166 NA	NA		-0.15	0.244
A023404_01	0.401	0.343	0.336	0.116	0.654	0.666 NA	NA	
A023424_01	0.308	0.394	0.281	0.13	0.498	0.579	-0.08	-0.095
A023428_01	-0.365 NA		0.098	0.008 NA		-0.221	0.078	0.003
A023431_01	-0.254 NA		0.471	0.197	0.145	0.397 NA		0.17
A023433_01	0.114 NA		0.157	-0.358	0.394	0.582 NA		0.024
A023440_01	0.221	-0.121	-0.257	-0.164	0.319	0.478	0.092	-0.033
A023441_01	0.218 NA		0.041 NA		0.421	0.409 NA		-0.023
A023443_01	0.283 NA		-0.109	-0.198 NA		0.115	0.267	0.208
A023453_01	-0.013	0.008	-0.121	-0.004	0.087	0.151	0.086	0.226
A023457_01	-0.192	-0.153	0.236	0.083	-1.002	-1.098	-0.377	-0.351
A023470_01	0.063	0.069	0.056	-0.03	0.002	-0.014	-0.009 NA	
A023473_01	-0.048 NA		0.315	0.027 NA	NA		-0.114	-0.266
A023476_01	-0.291	-0.396	-0.021	-0.019	-0.446	-0.515	-0.513 NA	
A023491_01	0.246	0.192	0.212	-0.093	0.589	0.65	-0.078	-0.199
A023504_01	0.296	0.235	-0.089	-0.191	0.144	0.206 NA		-0.208
A023507_01	-0.635	-0.284	-0.013	-0.016	0.185	0.51	-0.074	0.36
A023523_01	0.468	0.059	-0.143	-0.275	0.369	0.485	0.059	-0.109
A023537_01	0.498 NA		0.233	0.169	-0.444	-0.573	-0.331	-0.377
A023546_01	0.005	-0.318	0.153	-0.117	-0.261	-0.655	0.371	0.06
A023566_01	-0.08	-0.091	-0.179	-0.351	-0.582	-0.656	-0.462	-0.36
A023589_01	0.118	-0.057	0.103	-0.063	0.066	0.037	0.12	-0.095
A023607_01	NA	-0.075 NA	NA	NA		0.164 NA	NA	
A023609_01	0.067	0.294	0.131	-0.048	0.061	-0.03	0.017 NA	
A023620_01	0.128	0.31	-0.079	-0.185	0.233	0.498	-0.131	0.07
A023621_01	0.038	0.133	0.065	-0.297	0.263	0.141	0.123	0.027
A023622_01	-0.091 NA	NA		-0.044 NA		-0.151 NA		-0.132
A023623_01	-0.078	-0.192	0.031	0.041	0.017	-0.237	-0.136	-0.544
A023629_01	-0.179 NA		0.11	-0.066 NA		-0.131 NA	NA	
A023630_01	0.048 NA		-0.079	-0.043 NA		0.12 NA		0.157
A023652_01	0.293	0.205	0.361 NA		0.185	0.113 NA	NA	
A023658_01	0.357 NA		0.278	0.327 NA		-0.436	0.052	-0.172
A023665_01	0.272	0.127	-0.163	-0.08	0.075	-0.049	-0.02	-0.048
A023672_01	-0.123	-0.127	-0.243	-0.367	-0.16	0.047	0.058	-0.048
A023685_01	0.698 NA		0.308	0.081 NA	NA	NA		-0.172
A023689_01	0.203	0.218 NA		-0.183	0.261	0.339 NA	NA	
A023712_01	0.137	0.352	0.337	0.227	-0.28	-0.463	-0.205	-0.078
A023721_01	0.07	0.107	1.091	0.74	1.203	1.484	0.241	0.26
A023735_01	0.017 NA	NA		-0.336	0.055	-0.141 NA		-0.178
A023745_01	0.563	0.216	0.315	0.063	-0.257	-0.637	-0.026	-0.275
A023754_01	-0.258	-0.165	-0.109	-0.104	-0.102	0.002	-0.069	0.036
A023756_01	-0.102	-0.054	-0.424	-0.282	0.111	0.186	-0.208	-0.222
A023760_01	-0.242	-0.311	0.136	-0.155	0.255	0.226	-0.154	-0.045
A023776_01	0.365 NA		0.172	0.107 NA		-0.628	0.21	-0.058
A023797_01	0.505	0.494	-0.082	0.044	0.262	0.331	0.058	0.026
A023802_01	0.151	0.2 NA	NA		0.147	0.393 NA	NA	
A023806_01	0.008 NA		0.467	-0.032 NA	NA	NA		-0.164
A023808_01	0.065	-0.153	-0.169	-0.213	0.193	0.255	-0.064	-0.094
A023814_01	-0.27	0.289	-0.215	-0.159	0.25	0.528	-0.058	0.217
A023818_01	-0.529 NA		-0.596	-0.486 NA	NA		-0.557	-0.643
A023824_01	-0.149	-0.175	0.184	0.091	-0.488	-0.635	-0.118	-0.216
A023852_01	0.295	0.086	-0.026 NA		0.228	0.019 NA	NA	
A023870_01	0.009	-0.006	0.321	0.163	0.158	0.325	0.054	-0.063
A023876_01	0.072 NA		0.334	0.093	-0.186	-0.321 NA		-0.079
A023896_01	0.114	0.003	-0.395	-0.407	0.066	0.178 NA	NA	
A023897_01	-0.07	-0.029	-0.07	-0.077	-0.002	0.109	-0.093	0.162
A023902_01	-0.106	-0.143	-0.265	-0.23	0.198	0.262 NA	NA	
A023904_01	0.344	0.447	-0.185	-0.123	-0.618	-0.719	0.223	0.454
A023913_01	-0.22	-0.414	0.148	0.176	-0.68	-0.677 NA		-0.876
A023941_01	-0.311 NA		0.114	-0.153 NA	NA		-0.205	0.166
A023943_01	0.031	-0.311	0.059	0.085	0.407	0.434	0.205	0.128
A023982_01	-0.288 NA		0.109 NA	NA	NA	NA		-0.135
A023987_01	0.393 NA		-0.068	-0.29 NA		-0.365	0.271	-0.026
A023993_01	0.191	0.034	-0.121	-0.004	-0.449	-0.454	-0.154	-0.337
A023994_01	0.184 NA		0.519	0.279	-0.007	-0.06 NA	NA	
A023999_01	0.153 NA		0.272 NA		-0.101	-0.351 NA	NA	
A024001_01	0.219 NA	NA		0.013 NA		-0.524 NA		-0.237
A024024_01	0.126	-0.064	0.114	-0.172	-0.087	0.044	-0.244	-0.11

A024026_01	0.152	-0.148	0.351	0.289	0.637	0.825	-0.078	-0.277
A024027_01	0.023 NA		0.146	-0.043 NA		0.309	0.277	0.141
A024030_01	0.16 NA		-0.047 NA		0.056	-0.047 NA	NA	
A024035_01	0.084	0.018	-0.084	-0.224	0.121	0.177	0.091	0.149
A024038_01	-2.326	-1.641	0.396	0.31	1.047	1.567	-0.082	0.445
A024039_01	-1.691	-1.47	0.467	0.34	1.208	1.839	0.121	0.25
A024040_01	-0.152	-0.324	0.014	-0.136	0.061	0.126	0.168 NA	
A024042_01	0.075 NA		-0.198	-0.019 NA	NA		0.3	0.229
A024046_01	0.111	0.105	-0.188	-0.283	0.283	0.352	0.212 NA	
A024056_01	-0.084	-0.029	0.266	0.151	0.097	-0.038	0.098	0.01
A024063_01	0.285	0.687	-0.345	-0.025	0.21	0.475	-0.028	0.321
A024067_01	0.09	0.184	-0.116	0.013	0.263	0.547	-0.098	-0.084
A024071_01	-0.436 NA	NA		-0.518 NA	NA	NA		0.299
A024074_01	0.028	-0.127	-0.063	-0.271	0.008	0.09 NA	NA	
A024084_01	0.062	-0.115	-0.139	-0.309	-0.017	-0.11	0.291	0.112
A024086_01	-0.002	0.158	-0.119	-0.39	0.221	0.257	-0.01	0.049
A024089_01	0.212 NA		-0.058	-0.213	0.083	-0.004 NA	NA	
A024092_01	-0.362	-0.44	-0.201	-0.205	0.327	0.553	0.184	0.155
A024099_01	-0.087 NA		0.217	-0.428	0.435	0.587	0.194	0.14
A024101_01	-0.32 NA		-0.544	-0.865	-0.492	-0.562	-0.068	-0.117
A024105_01	-0.143	-0.16	-0.036	-0.095	-0.813	-1.027	-0.436	-0.376
A024106_01	0.124	-0.068	-0.012	-0.087	0.112	0.105	0.064	-0.194
A024107_01	0.028	-0.15	-0.11	-0.186	0.288	0.377	0.12	-0.074
A024109_01	0.198	0.235 NA	NA		0.288	0.204 NA	NA	
A024112_01	-0.134	-0.106	-0.229	-0.214	-0.735	-0.702	-0.566	-0.383
A024113_01	0.135	-0.033	0.055	0.048	-0.23	-0.592	-0.168	-0.282
A024114_01	0.402	0.211	-0.418	-0.477	-0.282	-0.547	0.676	0.447
A024115_01	0.067 NA		0.021	-0.101	0.049	0.065 NA		0.281
A024116_01	0.278	0.06	0.312	0.238	-0.216	-0.44	-0.04	-0.304
A024118_01	0.047 NA		0.087	-0.061	0.312	0.277	0.174	0.109
A024123_01	0.224	-0.008	-0.273	-0.234	-0.106	-0.051	0.138	-0.158
A024128_01	-0.265	0.027	-0.137	-0.252	-0.132	-0.19	0.064	0.118
A024151_01	0.082 NA		-0.126	-0.039 NA		-0.324	-0.032	-0.216
A024153_01	-0.028	-0.056	-0.016	-0.351	0.179	0.186	-0.155	-0.066
A024157_01	0.697	0.395	0.484	0.323	0.38	0.262 NA	NA	
A024160_01	0.31	-0.072	-0.118	-0.363	0.399	0.353	0.335	0.125
A024161_01	0.324	0.18	-0.053	-0.112	0.211	0.136	0.212	0.13
A024166_01	0.071 NA	NA	NA	NA		-0.157 NA		0.043
A024169_01	-0.033	0.266	-0.136	-0.382	0.094	0.21	-0.175	0.283
A024172_01	0.183 NA		0.004	0.044	-0.443	-0.62	-0.051	-0.301
A024173_01	0.109	-0.11	-0.121	-0.013	-0.07	-0.179	0.198	-0.075
A024174_01	-0.21	-0.454	-0.287	-0.124	-0.295	-0.169	0.004	-0.173
A024175_01	0.213 NA		0.389	0.222 NA		-0.565 NA		-0.217
A024176_01	-0.48	-0.164	0.163	0.027	-0.082	0.395	-0.246	0.273
A024180_01	-0.292	-0.146	-0.04	-0.242	-0.113	-0.297	-0.16	-0.355
A024181_01	0.198	0.027	0.005	0.116	0.131	0.121	0.093	-0.134
A024182_01	-0.034	-0.025	-0.38	-0.536	0.202	0.264	-0.083	-0.126
A024183_01	0.097	-0.024	0.036	-0.076	0.301	0.37	0.106	-0.048
A024184_01	0.317	-0.179	-0.018	-0.142	-0.174	-0.562	0.395	-0.191
A024187_01	0.102	0.035	-0.052	-0.118	0.049	-0.096	0.201	-0.056
A024188_01	-0.266	-0.021	0.259	0.016	0.266	0.411	-0.162	0.015
A024191_01	-0.057	-0.154	0.207	0.067	0.333	0.404	0.003	0.035
A024192_01	0.18	0.157	-0.266	-0.56	-0.269	-0.321	0.378	0.471
A024193_01	0.453 NA		0.134	0.008 NA		-0.343	0.035	-0.111
A024195_01	0.517	0.339	0.615	0.423	0.731	0.745	0.132	-0.103
A024196_01	-0.266 NA		-0.013	-0.045 NA	NA		0.027	0.015
A024197_01	0.201	-0.052	0.331	0.108	0.055	0.018	-0.003	-0.134
A024199_01	0.217 NA		0.456	0.206 NA	NA		0.126	-0.113
A024201_01	0.024 NA		-0.207	-0.159	0.09	0.106	0.099	0.073
A024207_01	0.1	0.115	0.006	-0.011	0.196	-0.053	0.145	0.07
A024209_01	0.232	0.354	0.419	0.175	0.058	-0.132	-0.024	0.026
A024211_01	0.327	0.333	0.082	-0.201	0.194	0.083	0.092	0.16
A024212_01	0.119	0.036	-0.14	-0.139	0.132	0.163	0.05	0.021
A024214_01	0.006 NA		-0.212	-0.22 NA	NA		0.187	0.171
A024215_01	0.237	0.176	0.422	0.366	-0.28	-0.293	-0.442	-0.577
A024219_01	0.637	0.545	0.548	0.282	0.609	0.355	-0.006	-0.038
A024220_01	0.074 NA		0.261	0.091 NA	NA		-0.026	-0.001
A024222_01	0.336	0.238	-0.192	-0.446	0	-0.131	0.111	0.209

A024223_01	0.044 NA	NA	NA	NA		-0.13 NA	NA	
A024224_01	-0.089	-0.03	-0.157	-0.298	0.048	-0.074	0.278	0.211
A024226_01	0.001 NA		0.505	0.114	0.011	-0.055 NA		-0.461
A024227_01	0.21 NA		0.829	0.542 NA		-0.942	-0.105	-0.391
A024228_01	0.342	0.072 NA		-0.315	0.692	0.486 NA		0.077
A024229_01	0.356	0.12	0.4	0.078	0.139	-0.261	0.147	-0.092
A024230_01	0.883	0.522	0.042	0.118	1.021	1.072	0.612	0.437
A024232_01	-0.023	-0.033	-0.298	-0.237	-0.177	-0.159	0.089	0.073
A024235_01	0.178	0.164	-0.137 NA		0.059	0.176	0.03 NA	
A024236_01	-0.029	-0.282	-0.163	-0.329	0.063	0.028	-0.003	-0.148
A024237_01	-0.326	-0.4	-0.089	-0.357	-0.339	-0.357	-0.052	0.245
A024239_01	-0.042	-0.104	-0.037	-0.226	-0.32	-0.428	-0.052	-0.076
A024241_01	0.008 NA		-0.087	-0.025 NA	NA		0.336	-0.12
A024242_01	0.022	0.072	-0.229	0.023	-0.083	0.052	-0.005	0.182
A024243_01	0.179	-0.143	0.124 NA		0.573	0.386 NA		-0.126
A024246_01	0.201	0.01	0.083	-0.139	0.14	0.095	0.041	0.029
A024247_01	0.166 NA		0.126	-0.074	0.073	-0.046 NA	NA	
A024248_01	-1.025	-1.08	0.677	0.616	1.254	1.629	0.125	0.15
A024249_01	0.384	0.258	0.121	0.24	0.143	0.066	-0.12	-0.308
A024250_01	-0.29	0.195	0.264	0.207	0.415	0.752	-0.32	0.242
A024251_01	0.373	0.267	0.236	0.067	-0.185	-0.476	0.063	0.049
A024253_01	0.168	0.014	0.289	-0.067	0.043	-0.023 NA	NA	
A024255_01	-0.082	-0.083	0.448	0.423	0.288	0.43	-0.498	-0.4
A024257_01	0.023	-0.134	-0.065	-0.029	0.062	-0.059	0.35	0.087
A024258_01	0.082	-0.035	0.027	-0.068	-0.051	-0.065	-0.06	-0.261
A024259_01	0.105	-0.037	-0.567	-0.764	-1.717	-2.073	-0.822	-1.065
A024261_01	0.235	0.357	-0.259	-0.324	-0.328	-0.201	0.087	0.528
A024262_01	0.188 NA		0.254	0.02 NA	NA	NA		-0.21
A024268_01	-0.099 NA		0.082	0.005 NA	NA		-0.213	-0.408
A024270_01	0.145 NA		-0.073	-0.123 NA		0.439	0.278	0.472
A024271_01	-0.2	-0.139	-0.191	-0.001	-0.204	0.008	-0.309	-0.221
A024272_01	-0.408	-0.657	-0.396	-0.184	0.173	0.268 NA	NA	
A024274_01	0.1	0.036	0.134	0.162	-0.002	0.004	-0.029	-0.153
A024276_01	0.222	0.056	0.302	0.202	-0.108	-0.259	-0.238	-0.563
A024279_01	0.344	0.312 NA	NA		0.397	0.41 NA	NA	
A024280_01	0.01 NA	NA	NA		0.297	0.191 NA	NA	
A024282_01	-0.01	0.075	-0.235	-0.006	-0.158	-0.006	-0.055	-0.088
A024284_01	0.318 NA		0.06	0.082	0.258	0.095 NA		0.038
A024286_01	0.056 NA		0.326	0.044 NA		-0.122 NA		-0.305
A024288_01	-0.325	0.015	-0.132	-0.175	-0.045	0.155	-0.47	-0.379
A024289_01	0.276	0.173	-0.019	-0.142	0.286	0.266 NA	NA	
A024291_01	-0.292	-0.17	-0.122	-0.034	-0.974	-0.969	-0.498	-0.336
A024292_01	0.134	-0.181	0.718	0.424	0.514	0.495	0.161	-0.177
A024293_01	0.244 NA		0.052	0.054 NA		-0.155	-0.026	-0.128
A024294_01	-0.058	0.027	-0.035	0.026	0.042	0.073	0.078	-0.049
A024296_01	0.851	0.355	0.532	0.249	0.682	0.49 NA		-0.097
A024297_01	0.153 NA		0.396	0.221 NA		-0.064 NA	NA	
A024298_01	0.339	0.425	0.116	0.233	0.472	0.786	-0.003	0.103
A024299_01	-0.026	0.147	0.108	0.005	0.468	0.627	0.269	0.232
A024300_01	-0.221	-0.068	-0.227	-0.138	-0.221	-0.127	0.41	0.483
A024302_01	0.207	-0.094	-0.141	-0.06	-0.084	0.154 NA		-0.288
A024303_01	0.777	0.543	0.518	0.43	0.358	0.17	0.23	0.105
A024304_01	0.082	0.023	0.106	-0.013	-0.001	-0.245	0.3	0.03
A024305_01	-0.057	-0.062	-0.011	-0.014	0.18	0.282	0.211	0.264
A024306_01	-0.209	-0.174	0.077	0.094	-0.311	-0.414	-0.322	-0.277
A024308_01	0.282	0.037	0.129	0.145	0.209	-0.067	0.219	0.303
A024310_01	-0.213	-0.076	-0.151	-0.012	-1.073	-1.009	-0.735	-0.371
A024311_01	-0.484	-0.527	-0.073	-0.313	-0.788	-0.893 NA		-0.592
A024312_01	0.273	0.178	0.172	0.175	-0.125	-0.318	-0.009	-0.047
A024315_01	0.008	-0.126	-0.061	-0.07	-0.449	-0.593	-0.023	0
A024318_01	-0.363	-0.273	-0.328	-0.167	-1.087	-1.062	-0.555	-0.397
A024321_01	-0.155	-0.1	0.188	0.02	-0.092	-0.165	-0.089	-0.121
A024326_01	-0.406	0.147	-0.648	-0.646	0.489	0.916	0.22	0.593
A024328_01	-0.165	-0.052	-0.03	-0.175	0.083	0.115	0.229	0.289
A024330_01	-0.162	0.044	-0.116	0.13	-0.305	-0.06	-0.145	-0.051
A024331_01	0.103	0.025	0.027	-0.247	0.328	0.208	0.059	-0.115
A024332_01	-0.111	0.107	0.104	-0.071	-0.93	-1.068	-0.667	-0.483
A024337_01	0.098	0.26	0.071	-0.231	-0.063	-0.059	-0.166 NA	

A024339_01	-0.014	-0.154	0.457	0.435	-0.214	-0.313	-0.25	-0.372
A024342_01	-0.116	-0.033	0.504	0.318	-0.063	-0.199	0.107	0.087
A024343_01	0.108	-0.031	0.267	0.182	-0.762	-0.991	-0.349	-0.572
A024345_01	0.211 NA		0.396	0.077 NA	NA	NA	NA	
A024346_01	0.134 NA		0.175	0.036	-0.475	-0.49 NA	NA	
A024347_01	0.186	0.094	0.271	0.134	0.193	0.188	0.209	0.043
A024348_01	0.127	0.203	0.289	0.115	0.022	-0.285	0.085	-0.013
A024349_01	-0.129	0.199	0.84	0.613	0.669	0.89	-0.482	0.04
A024350_01	0.593 NA		-0.063	-0.178	0.194 NA	NA	NA	
A024352_01	-0.115	-0.054	-0.143	-0.242	-0.189	-0.314	0.359	0.28
A024353_01	0.124	0.051	0.256	0.138	-0.317	-0.544	-0.715	-1.034
A024354_01	-1.425 NA		-1.31	-1.533 NA	NA		-1.995 NA	
A024356_01	-0.585	-0.157	0.106	0.108	-0.063	0.059	-0.159	-0.052
A024357_01	0.082 NA		0.442	0.398 NA		-0.453	0.025	-0.296
A024360_01	0.048	0.046	-0.997	-0.824	-1.78	-2.259	-0.065	-0.221
A024361_01	-0.029	0.014	-0.082	-0.022	-1.056	-1.093	-0.351	-0.338
A024362_01	-0.079	0.077	0.085	0.06	-0.087	-0.183	-0.16	-0.263
A024363_01	0.226 NA		0.261	-0.04	0.073	-0.201 NA		-0.212
A024368_01	0.394 NA		0.428	0.195	-0.113	-0.333 NA	NA	
A024369_01	-0.01 NA	NA		0.126 NA		-0.571 NA	NA	
A024370_01	0.301	-0.099	-0.096	-0.118	0.061	0.352	0.118	0.123
A024372_01	0.259	0.322	-0.25	-0.086	0.196	0.289	0.11	-0.035
A024373_01	0.424	0.109	0.231	0.189	0.644	0.599	0.08	-0.23
A024374_01	0.119	-0.092	0.104	-0.013	0.079	0.096 NA	NA	
A024376_01	0.4	0.141	0.098	0.002	0.04	-0.214	0.147	-0.296
A024377_01	-0.048	-0.025	0.049	-0.157	-0.213	-0.088	-0.301	-0.083
A024382_01	0.395	0.423	0.142	0.192	0.231	0.103	0.224	0.042
A024389_01	0.161 NA		0.224	0.09	0.409	0.352	0.13	0.177
A024392_01	-0.24	-0.378	-0.303	-0.083	-0.952	-1.01	-0.124	-0.173
A024394_01	0.373	0.365	0.377	0.101	0.278	0.238	0.151 NA	
A024395_01	0.191	0.022	0.163	-0.05	0.09	-0.042	-0.024	-0.112
A024396_01	0.094	0.156	-0.099	-0.049	0.137	0.065	-0.157	-0.281
A024397_01	0.323	-0.034	0.048	-0.238	0.189	0.082	0.09	-0.137
A024398_01	-0.266	-0.274	0.096	0.058	-0.425	-0.513	-0.324	-0.332
A024399_01	0.141	0.006	0.059	-0.165	-0.066	-0.22	-0.015	-0.276
A024400_01	0.18	0.281	-0.064	-0.271	0.167	0.07	-0.066	0.044
A024401_01	0.249	0.101 NA		-0.103 NA		-0.194	0.179 NA	
A024402_01	0.105 NA		0.418	0.03 NA		-0.693 NA	NA	
A024403_01	-0.031	-0.111	0.002	-0.149	-0.097	-0.239	-0.192	-0.071
A024404_01	-0.164	-0.093	0.084	0.074	-0.061	-0.087	0.054	0.011
A024405_01	0.303 NA		-0.032	0.07	-0.194	-0.279	-0.091	-0.072
A024406_01	0.341 NA		0.418	0.227 NA	NA	NA		-0.026
A024410_01	-0.197	-0.175	0.058	0.269	-0.915	-1.052	-0.318	-0.315
A024413_01	-0.074	0.06	-0.024	-0.07	-0.13	-0.187	0.155	0.271
A024414_01	0.508	0.348	0.178	0.02	0.233	0.03	0.055	-0.011
A024417_01	0.341 NA		-0.008	-0.296	0.921	0.716	0.371	0.062
A024421_01	0.29	0.005	-1.058	-0.974	0.649	0.789	0.118	-0.067
A024425_01	-0.073	0.254	0.048	0.043	-0.447	-0.389	-0.062	-0.104
A024428_01	0.264 NA		0.259	0.167 NA		-0.005 NA		-0.272
A024429_01	0.26 NA		0.878 NA	NA		-0.581	-0.21	-0.235
A024430_01	0.245	0.268	0.065	0.078	0.06	0.033	-0.137	-0.181
A024431_01	-0.055	-0.179	-0.244	-0.103	0.118	0.171	0.225	0.132
A024434_01	-0.067	-0.056	-0.507	-0.753	-0.118	-0.124	-0.168	-0.017
A024435_01	0.156	0.294	0.277	0.39	0.239	0.364	-0.135	-0.072
A024439_01	0.151	0.15	-0.099	0.101	0.066	0.231	-0.052	0.094
A024440_01	0.08 NA		-0.079	-0.019	0.16	-0.276	0.225	0.028
A024441_01	-0.128 NA		0.455	0.243	-0.144	-0.497	-0.332	-0.244
A024442_01	0.462	0.521	0.034	-0.04	0.428	0.442	0.034	0.155
A024443_01	-0.34	-0.165	-0.134	-0.208	-0.798	-0.81	-0.47	-0.308
A024445_01	-0.044	-0.048	0.11	-0.171	0.239	-0.125	0.03	-0.05
A024447_01	-0.011	0.18	0.704	0.755	0.483	0.754	-0.037	-0.133
A024449_01	-0.141	-0.109	1.268	0.966	0.303	0.25	-0.331	-0.401
A024451_01	0.39	0.038	0.16	-0.013	0.027	-0.03	-0.024	-0.161
A024452_01	-0.006	0.036	0.152	0.033	0.121	-0.022	0.091	0.035
A024453_01	-0.154	-0.206	0.021	-0.057	-0.361	-0.309	-0.062	0.14
A024454_01	-0.881	-0.79	-0.807	-0.716	-3.089	-3.38	-2.447	-2.034
A024456_01	0.242	0.093	-0.018	0.001	-0.405	-0.583	-0.037	-0.218
A024457_01	0.449 NA		-1.537	-1.76	0.225	0.197	-0.743	-0.877

A024459_01	0.172	0.083	0.104	-0.226	0.197	0.124	0.113	0.03
A024461_01	0.025	0.172	0.092	0.027	0.013	0.134	-0.292	-0.077
A024464_01	-0.826	-0.787	-0.013	-0.187	1.054	1.422	0.318	0.094
A024465_01	0.295	0.374	-0.189	-0.138	0.164	0.291	0.037	-0.038
A024470_01	0.042	0.157	0.05	-0.026	0.328	0.454	0.203	0.377
A024471_01	-0.055	0.047	-0.069	-0.207	-0.023	0.004	0.292	0.507
A024473_01	-1.062	-0.421	0.024	-0.269	0.382	0.863	-0.051	NA
A024474_01	-0.295	-0.495	-0.215	-0.16	-0.376	-0.313	-0.131	-0.072
A024475_01	-0.352	-0.256	0.021	0.179	-0.053	0.163	-0.016	-0.01
A024476_01	-0.307	-0.232	-0.079	0.051	-0.088	0.085	-0.057	-0.107
A024477_01	0.211	-0.082	0.017	0.096	-0.033	-0.22	0.076	-0.099
A024478_01	0.112	0.277	0.083	0.051	0.036	0.081	-0.202	-0.142
A024480_01	-0.122	NA	NA	NA	-0.013	-0.031	NA	NA
A024481_01	0.408	0.368	-0.364	-0.416	0.714	0.957	0.685	0.757
A024482_01	0.273	0.221	0.001	-0.079	0.111	-0.057	0.129	0.138
A024484_01	0.135	0.057	0.082	0.157	0.353	0.518	0.104	0.192
A024485_01	-0.872	-1.062	0.557	0.766	1.016	1.602	0.357	0.055
A024489_01	0.154	-0.033	-0.123	-0.215	0.096	-0.067	0.192	-0.016
A024490_01	0.07	0.063	-0.04	0.091	-0.236	-0.329	NA	NA
A024493_01	0.074	-0.131	-0.374	-0.125	-0.002	0.245	0.126	0.078
A024494_01	0.499	0.168	0.097	-0.09	0.364	0.377	-0.171	-0.126
A024495_01	0.514	0.701	0.044	-0.022	0.342	0.304	-0.115	0.04
A024496_01	0.339	0.126	-0.041	-0.159	0.261	0.24	0.224	0.016
A024499_01	0.201	NA	-0.065	NA	0.068	0.121	NA	0.037
A024500_01	0.462	0.414	0.148	0.068	0.415	0.274	-0.127	-0.177
A024501_01	-0.316	NA	0.29	0.342	NA	-1.125	-0.46	-0.362
A024502_01	-0.351	-0.535	-0.251	-0.182	0.519	0.939	NA	-0.246
A024503_01	-0.25	-0.249	0.151	0.387	0.952	1.456	0.573	0.805
A024504_01	-0.134	-0.223	0.496	0.424	-0.096	-0.089	0.093	0.108
A024505_01	0.341	0.288	0.349	0.328	0.363	0.257	NA	-0.018
A024506_01	0.141	0.023	-0.091	-0.201	-0.508	-0.639	0.164	-0.059
A024507_01	-0.23	0.089	-0.311	-0.382	-0.067	-0.048	0.037	0.224
A024508_01	-0.071	0.064	0.093	0.089	0.564	0.846	0.15	0.247
A024509_01	0.125	0.04	0.097	0.077	0.409	0.768	0.139	0.165
A024510_01	-0.064	NA	0.475	0.41	-0.376	-0.342	-1.029	-1.105
A024511_01	0.102	0.026	-0.098	-0.06	0.251	0.33	0.289	0.065
A024512_01	-0.863	-0.611	0.602	0.543	1.128	1.677	0.555	0.691
A024513_01	-0.029	0.089	0.338	-0.028	0.326	0.34	-0.174	-0.144
A024514_01	NA	0.379	0.209	0.487	0.049	0.188	-0.14	-0.31
A024518_01	-0.011	0.266	-0.106	-0.083	0.289	0.583	0.033	0.102
A024521_01	-0.451	-0.293	-0.369	-0.191	-0.625	-0.901	-0.334	-0.396
A024522_01	0.167	0.419	-0.498	-0.29	-0.718	-0.766	-0.244	0.006
A024523_01	0.072	0.004	-0.078	-0.038	-0.624	-0.642	-0.059	0.014
A024526_01	0.026	0.115	0.475	0.303	0.24	0.142	0.123	0.068
A024527_01	0.055	0.582	-0.121	-0.161	-1.793	-2.022	-0.76	-0.521
A024528_01	0.556	0.288	-0.018	-0.004	-0.245	-0.39	-0.035	-0.189
A024530_01	-0.084	0.058	-0.115	-0.129	-0.399	-0.224	-0.518	-0.223
A024531_01	-0.072	-0.045	-0.136	-0.164	-0.114	-0.131	-0.509	-0.245
A024532_01	0.254	0.382	0.204	0.099	0.173	0.042	-0.202	-0.118
A024534_01	0.461	0.32	0.154	0.066	0.191	-0.052	0.046	-0.053
A024536_01	-0.638	-0.268	0.498	0.684	0.487	0.711	-0.055	-0.017
A024538_01	-0.282	-0.27	-0.743	-0.437	-0.583	-0.687	-0.278	-0.342
A024539_01	-0.253	-0.173	-0.242	-0.061	-0.165	-0.128	-0.155	NA
A024544_01	0.332	NA	0.485	0.298	0.805	0.752	0.432	0.305
A024545_01	-0.617	-0.198	0.067	0.178	-0.055	0.005	-0.137	0.156
A024546_01	0.028	-0.084	0.02	0.15	-0.316	-0.245	0.173	-0.159
A024547_01	-0.133	NA	-0.119	-0.06	NA	NA	0.124	0.118
A024548_01	-0.054	-0.001	-0.257	-0.4	0.388	0.268	0.276	0.122
A024549_01	-0.035	0.005	0.025	-0.128	0.124	0.018	0.204	0.255
A024551_01	0.266	0.142	0.305	0.314	0.422	0.5	NA	NA
A024554_01	-0.066	0.058	-0.209	-0.181	-0.04	0.056	0.025	0.114
A024555_01	0.135	0.355	0.83	0.739	0.932	1.097	-0.391	-0.223
A024557_01	0.385	0.533	0.211	0.245	0.45	0.904	0.071	0.203
A024558_01	-0.026	0.09	0.119	0.124	0.087	0.228	-0.124	0.063
A024559_01	0.345	0.153	0.102	-0.025	0.562	0.408	0.115	-0.119
A024560_01	0.469	0.334	0.328	0.127	0.175	-0.038	0.001	-0.113
A024561_01	0.055	0.226	0.442	0.297	-0.19	-0.314	-0.203	-0.153
A024562_01	-0.385	-0.233	-0.119	0.005	-1.096	-1.2	-0.472	-0.305

A024563_01	-0.311	NA	0.32	0.265	-0.972	-1.161	0.248	0.415
A024564_01	-0.381		-0.098	-0.05	-0.221	-0.072	-0.092	0.103
A024565_01	-0.232	-0.207	0.191	0.277	-0.429	-0.435	-0.072	0.029
A024567_01	0.119	NA	0.04	-0.139	NA	-0.065	0.376	0.184
A024568_01	0.154	-0.078	0.17	-0.049	0.205	0.026	NA	NA
A024569_01	-0.134	NA	0.146	0.21	-0.157	-0.053	NA	-0.265
A024570_01	0.129	-0.087	0.074	-0.038	-0.069	0.039	0.013	0.202
A024571_01	0.148	0.298	-0.178	-0.216	0.311	0.405	0.193	0.149
A024572_01	0.095	0.068	0.025	-0.149	-0.154	-0.131	0.108	-0.024
A024573_01	0.239	NA	0.355	-0.015	NA	NA		-0.405
A024575_01	0.234	NA	0.29	0.115	0.157	0.011	0.008	0.138
A024576_01	0.054	-0.093	-0.162	-0.171	-0.467	-0.757	0.223	-0.028
A024577_01	0.023	0.287	0.012	-0.086	-0.027	0.138	NA	-0.026
A024578_01	-0.19	-0.143	-0.295	-0.361	-0.196	-0.187	-0.151	-0.24
A024579_01	0.382	NA	-0.208	-0.23	NA	-0.027	0.316	0.008
A024580_01	0.508	0.354	-0.081	-0.165	0.317	0.26	0.122	0.108
A024581_01	0.548	0.534	0.526	0.72	0.199	0.177	0.003	0.044
A024583_01	-0.04	-0.191	0.109	-0.122	-0.188	-0.104	-0.205	-0.121
A024584_01	-0.365	-0.048	0.081	0.029	-0.007	0.171	-0.316	0.209
A024585_01	-0.475	-0.074	-0.109	0.195	-1.01	-1.023	-0.347	-0.181
A024586_01	-0.091	-0.094	0.318	0.128	-0.671	-0.854	-0.472	-0.39
A024588_01	-0.396	-0.2	-0.374	-0.177	-0.685	-0.987	0.242	0.21
A024589_01	-0.175	-0.157	-0.065	-0.039	-0.015	0.16	-0.051	0.032
A024590_01	-0.091	-0.224	-0.152	0.031	0.088	0.31	0.411	0.377
A024592_01	-0.05	-0.039	-0.295	-0.296	0.09	0.272	0.057	0.087
A024595_01	0.262	0.258	-0.14	-0.206	0.037	0.212	0.127	0.285
A024596_01	0.197	0.112	-0.13	-0.276	-0.11	-0.009	-0.066	0.086
A024597_01	-0.117	-0.158	0.015	0.291	-0.249	-0.397	0.087	-0.17
A024598_01	0.455	0.285	-0.017	0.093	0.374	0.343	0.087	0.066
A024599_01	0.643	0.679	0.381	0.272	0.604	0.49	0.032	0.159
A024601_01	-0.139	NA	0.277	0.023	-0.001	0.126	NA	-0.223
A024602_01	-0.258	-0.18	-0.175	-0.112	0.092	0.096	0.109	0.069
A024603_01	0.399	0.274	0.289	0.078	0.201	0.141	-0.056	-0.057
A024604_01	0.284	0.064	-0.412	-0.138	-0.115	-0.322	0.066	-0.143
A024605_01	-0.173	-0.016	-0.096	-0.266	-0.121	-0.111	-0.117	0.1
A024606_01	0.275	NA	-0.057	-0.164	0.297	0.17	0.118	-0.06
A024607_01	-0.006	-0.102	0.057	-0.012	0.011	-0.203	-0.036	-0.15
A024608_01	0.222	0.063	0.65	0.614	0.525	0.666	0.104	-0.098
A024609_01	0.532	0.337	0.069	-0.376	0.231	-0.098	0.276	0.06
A024610_01	0.325	0.27	-0.23	-0.199	0.801	1.036	0.138	0.174
A024611_01	0.367	0.262	0.33	0.328	0.551	0.481	0.139	0.129
A024612_01	0.305	0.458	-0.063	-0.155	0.498	0.477	0.27	0.306
A024613_01	0.027	-0.05	-0.182	-0.031	0.11	0.18	0.004	-0.054
A024614_01	0.181	0.108	0.004	0.024	-0.188	-0.339	NA	-0.148
A024615_01	-0.125	0.056	-0.142	-0.295	0.028	0.02	-0.162	-0.142
A024616_01	0.38	0.124	-0.229	-0.081	-0.91	-1.434	0.333	0.274
A024617_01	-0.266	-0.053	0.136	0.064	-0.164	-0.187	-0.141	-0.149
A024620_01	0.394	0.61	0.078	0.235	-0.347	-0.635	0.005	0.053
A024621_01	-0.368	NA	0.278	0.339	NA	NA	-0.031	-0.236
A024622_01	0.38	0.441	-0.144	0.07	-0.055	0.031	-0.197	-0.144
A024624_01	0.17	0.239	-0.085	-0.301	0.136	0.164	0.106	0.129
A024626_01	-0.009	NA	0.465	0.477	-0.104	-0.3	-0.119	-0.304
A024627_01	-0.021	0.045	-0.029	-0.085	0.374	0.667	0.116	0.092
A024628_01	NA	0.141	0.13	0.183	0.179	0.226	NA	0.019
A024629_01	0.061	0.092	-0.241	-0.017	0.142	0.255	0.261	0.211
A024630_01	-0.385	-0.269	0.048	0.084	-1.109	-1.235	-0.236	-0.424
A024631_01	0.111	-0.052	0.007	-0.236	0.273	0.106	-0.018	-0.204
A024632_01	0.043	-0.073	-0.164	0.013	-0.085	0.129	-0.138	-0.244
A024633_01	-0.462	-0.408	0.485	0.319	-1.072	-1.1	-0.92	-0.72
A024634_01	0.045	0.074	0.059	0.108	0.285	0.252	0.221	0.337
A024635_01	-0.593	-0.745	-0.003	-0.201	-0.7	-0.759	-0.135	0.076
A024636_01	0.482	0.298	0.102	0.121	0.48	0.558	-0.094	-0.316
A024637_01	-0.349	-0.137	-0.013	0.031	-0.742	-0.676	-0.554	-0.443
A024638_01	-0.353	-0.186	0.161	0.159	0.167	0.281	0.001	0.13
A024640_01	0.377	0.181	0.116	0.085	-0.065	-0.374	0.039	-0.182
A024642_01	0.691	0.551	0.327	0.083	0.698	0.569	-0.024	-0.132
A024644_01	-0.087	0.079	0.235	0.392	-1.043	-1.068	-0.38	-0.252
A024645_01	-0.083	-0.091	-0.24	-0.321	0.027	0.084	0.212	0.178

A024646_01	0.133	-0.207	-0.067	0.097	-0.082	-0.032 NA	NA	
A024647_01	-0.953	-0.772	-0.043 NA		-1.554	-1.862 NA		-0.889
A024648_01	0.241	0.37	0.158	0.101	-0.221	-0.286	-0.007	-0.049
A024649_01	-0.512	-0.275	0.895	1.004	-0.533	-0.393	-0.435	-0.21
A024650_01	0.258	0.094	0.088 NA		-0.066	-0.109	0.354	0.309
A024651_01	-0.126	-0.158	0.03	-0.011	-0.344	-0.459	-0.133	-0.055
A024652_01	-0.216	-0.235	-0.189	-0.2	-0.584	-0.533	-0.287	-0.124
A024653_01	0.214 NA		-0.354	-0.419 NA	NA		0.187	0.135
A024656_01	0.267	0.189	-0.081	-0.139	0.168	-0.033	0.28	0.061
A024657_01	-0.296	-0.066	0.102	0.141	-1.057	-1.142	-0.21	-0.074
A024658_01	0.101 NA		0.288	0.363	0.332	0.2	0.193	0.075
A024659_01	-0.177 NA		-0.106	-0.032 NA	NA		-0.093	-0.046
A024661_01	0.199	-0.121	-0.025	-0.195	0.336	0.419	0.261	0.046
A024663_01	0.49	0.167	0.25	0.165	0.468	0.603	0.123	-0.036
A024664_01	-0.131	0.122	-0.254	-0.164	0.081	0.573	-0.033	0.082
A024665_01	0.111	-0.097	-0.491	-0.377	0.05	0.066	0.21	0.225
A024666_01	0.155	0.037	0.255	0.401	-0.096	-0.037	-0.35	-0.382
A024667_01	0.138	0.089	0.219	-0.154	0.007	-0.22	-0.051	-0.091
A024669_01	0.129 NA		-0.014	-0.003 NA		-0.485	0.12	-0.077
A024670_01	-0.077	-0.107	-0.165	-0.035	-0.519	-0.388	0.173	0.257
A024671_01	0.09	0.148	0.199	-0.003	-0.295	-0.339 NA	NA	
A024672_01	-0.149	-0.234	0.11	0.096	-0.24	-0.227	0.075	0.194
A024673_01	-0.745	-0.904	-0.314	-0.416	-0.607	-0.499	-0.304	-0.226
A024674_01	-0.573	-0.379	-0.316	-0.326	-0.157	0.017	-0.403	-0.405
A024675_01	0.184	-0.019	-0.106	-0.049	0.032	0.036	-0.04	-0.286
A024676_01	0.064	0.05	-0.336	-0.133	-0.06	0.096	0.118	0.062
A024677_01	0.423	0.161	0.341	0.421	0.02	-0.073	0.005	-0.109
A024678_01	0.236 NA	NA		-0.273	-0.071	-0.45 NA	NA	
A024680_01	0.093	0.062	0.297	0.336	-0.062	-0.073	-0.056	-0.085
A024681_01	-0.086	-0.217	0.225	0.272	-0.654	-0.789 NA		-0.211
A024682_01	0.73	0.585	0.347	0.453	-0.848	-1.131	0.025	-0.053
A024684_01	-0.02	0.158	0.051	-0.045	0.112	0.373	-0.294	-0.019
A024686_01	0.143 NA		0.138	0.019 NA		-0.176	0.128	-0.106
A024687_01	0.04	0.144	0.598	0.434	0.196	0.064	-0.422	-0.441
A024689_01	0.199	0.125	0.101	-0.258	-0.178	-0.576	0.215	-0.017
A024690_01	-0.332	0.059	0.356	-0.011	-0.56	-0.748	-0.233	-0.341
A024694_01	-0.054	-0.082	0.083 NA		-0.299	-0.172 NA		-0.681
A024699_01	0.033	-0.213	-0.296	-0.697	0.621	0.878	0.206	0.071
A024718_01	0.422	-0.098	-0.073	-0.39	0.303	-0.183	0.282	-0.127
A024719_01	0.077 NA		0.112	-0.056 NA		0.091 NA		0.185
A024720_01	0.174	0.098	0.022	-0.139	-0.119	-0.26 NA		-0.037
A024724_01	-0.379	-0.553	-0.091	-0.328	-0.226	-0.368	-0.322	-0.611
A024725_01	-0.119	-0.242	0.189	-0.07	-0.456	-0.652	-0.512	-0.62
A024728_01	0.227	0.118	0.147	-0.201	-0.148	-0.57	-0.079	-0.389
A024749_01	0.389 NA	NA		-0.071	0.215	0.114 NA	NA	
A024778_01	0.201	-0.129 NA		0.028	-0.218	-0.464 NA	NA	
A024780_01	0.152	-0.109	-0.096	-0.144	0.175	0.166	0.265	-0.014
A024783_01	-0.128 NA		0.033	-0.15	-0.032	-0.025	0.058	0.074
A024784_01	0.206 NA		0.021	-0.002	0.163	-0.073	0.2	-0.179
A024785_01	-0.653	-0.819	-0.089	-0.226	-0.533	-0.467	-0.548	-0.29
A024786_01	0.067	-0.448	-0.112	-0.182	-0.237	-0.386	0.297	0.014
A024788_01	0.037	0.154	-0.835	-0.843	-0.136	0.181	0.449	0.746
A024789_01	-0.181	0.03	-0.527	-0.463	-0.144	0.079	0.404	0.511
A024790_01	0.402	0.565	-0.082	-0.053	-0.041	-0.031	-0.267	-0.179
A024791_01	0.063	0.195	-0.293	-0.379	0.164	-0.005	0.337	0.382
A024794_01	0.339	0.007	-0.085	-0.21	0.236	-0.011	0.247	-0.309
A024795_01	0.094	0.123	0.231	0.045	-0.46	-0.756	-0.228	-0.26
A024822_01	0.171	0.241	-0.24	-0.27	0.179	0.301	0.083	-0.112
A024841_01	0.512 NA		0.445	0.208	0.774	0.733	-0.431	-0.334
A024854_01	0.037 NA		0.371	0.438	0.3	0.197	-0.04	-0.145
A024856_01	-2.485	-2.194	-1.195	-1.345 NA	NA	NA	NA	
A024862_01	0.268	-0.136	-0.316	-0.615	0.293	0.284	0.256	0.072
A024863_01	0.09	0.251	0.547	0.162	-0.586	-0.718 NA		-0.683
A024872_01	0.159 NA		0.111	0.052	0.817	0.926	0.014	0.156
A024873_01	0.648	0.285	-0.003	-0.15	0.939	0.991	0.047	-0.206
A024876_01	0.125	-0.086	-0.076	-0.092	0.145	0.048	0.14	-0.183
A024881_01	0.315	0.145	0.057	-0.102	0.225	0.088 NA		-0.457
A024886_01	-0.054	-0.259	-0.116	-0.331	0.145	0.056	0.353	0.044

A024890_01	0.5	0.174	0.63	0.478	0.758	0.687	0.096	-0.188
A024913_01	0.085	-0.069	0.26	0.311	-0.263	-0.33	-0.253	-0.482
A024975_01	0.102	-0.09	0.146	-0.007	0.128	-0.135	NA	-0.072
A024976_01	0.052	NA	NA	NA	NA	NA	NA	-0.661
A024978_01	0.081	-0.073	0.205	0.108	-0.465	-0.624	-0.265	-0.282
A024993_01	-0.049	-0.254	0.182	0.041	-0.056	-0.156	-0.022	-0.138
A025018_01	0.526	0.36	0.215	0.176	-0.039	-0.336	-0.004	-0.149
A025019_01	0.413	NA	0.093	0.043	NA	-0.44	0.162	-0.006
A025036_01	0.175	0.226	0.108	-0.012	-0.044	-0.116	-0.016	-0.013
A025053_01	0.655	NA	0.526	0.535	NA	NA	-0.117	-0.119
A025058_01	0.418	0.241	0.244	0.015	-0.513	-0.744	-0.563	-0.635
A025060_01	-0.753	-0.547	-1.361	-1.304	-0.732	-0.297	-0.897	-0.707
A025061_01	-0.147	0.109	-0.267	-0.227	0.378	0.858	0.113	0.41
A025074_01	0.2	0.111	0.017	0.121	0.236	0.306	0.322	0.098
A025076_01	0.015	-0.001	0.012	-0.035	-0.12	-0.09	-0.249	-0.215
A025079_01	0.239	NA	NA	NA	0.464	0.61	NA	-0.005
A025085_01	0.252	0.236	NA	-0.133	0.105	-0.242	NA	NA
A025092_01	-0.024	-0.022	NA	NA	0.479	0.574	NA	NA
A025101_01	0.274	0.075	0.073	-0.121	0.137	-0.083	0.204	0.01
A025116_01	0.679	0.507	0.131	-0.044	0.087	-0.117	-0.083	-0.185
A025130_01	-0.253	-0.262	-0.274	-0.23	0.202	0.48	-0.379	-0.351
A025131_01	0.151	0.012	-0.001	-0.047	-0.105	0.017	-0.071	NA
A025148_01	-0.164	-0.395	0.405	0.279	-0.125	-0.125	NA	NA
A025176_01	0.286	0.091	-0.007	0.096	-0.658	-0.893	-0.126	-0.373
A025188_01	0.05	NA	0.081	-0.009	NA	-0.556	0.314	-0.188
A025190_01	-2.08	-1.89	-0.888	-0.851	-2.724	-3.8	-1.903	-1.818
A025206_01	0.035	-0.117	0.637	0.603	1.013	1.098	0.067	-0.021
A025211_01	0.699	0.329	0.058	-0.235	0.186	0.062	NA	0.225
A025242_01	0.351	0.061	0.194	-0.167	0.459	0.23	-0.039	-0.15
A025254_01	0.365	0.297	0.141	0.118	0.167	-0.079	-0.052	-0.166
A025261_01	0.221	0.119	0.019	-0.132	-0.219	-0.463	0.072	-0.166
A025268_01	0.18	NA	0.684	0.677	0.765	0.808	0.093	-0.026
A025273_01	-0.236	-0.176	-0.108	-0.085	-0.117	0.083	-0.148	-0.045
A025274_01	0.115	-0.007	-0.261	-0.244	-0.041	0.053	0.111	0.038
A025287_01	0.2	0.087	0.247	0.33	0.165	0.124	NA	NA
A025301_01	-0.028	NA	0.054	-0.09	0.285	0.193	0.111	0.014
A025313_01	0.662	0.286	0.216	0.079	0.367	0.303	0.148	0.079
A025335_01	-0.03	-0.069	-0.083	NA	-0.105	-0.033	NA	-0.022
A025341_01	0.452	0.287	0.231	0.177	-0.112	-0.34	-0.234	-0.291
A025351_01	-0.098	-0.322	0.137	NA	-0.13	-0.286	NA	NA
A025353_01	0.197	0.288	0.319	0.149	-0.055	-0.235	-0.196	-0.13
A025368_01	-3.185	-2.332	-1.437	-1.264	-3.83	-4.738	-2.921	-2.853
A025372_01	0.165	0.351	0.332	-0.045	0.591	0.676	-0.148	0.086
A025376_01	0.041	-0.176	-0.108	0.003	-0.319	-0.238	NA	NA
A025393_01	0.155	0.147	NA	NA	0.089	0.088	NA	NA
A025394_01	0.165	0.291	-0.023	0.051	0.142	0.148	-0.255	-0.343
A025397_01	-1.422	NA	0.593	0.383	-0.818	-1.528	-0.877	-0.666
A025403_01	-0.389	-0.269	0.054	0.1	0.101	0.256	-0.35	-0.015
A025406_01	0.493	NA	0.21	0.352	NA	NA	-0.274	-0.263
A025408_01	0.11	0.497	0.32	-0.062	0.727	0.933	-0.065	0.325
A025418_01	0.032	NA	0.933	NA	0.534	0.496	NA	NA
A025456_01	0.363	0.143	0.163	0.121	-0.118	-0.523	0.162	-0.075
A025462_01	-0.112	-0.275	-0.176	-0.194	0.151	0.321	0.413	0.318
A025468_01	-0.23	-0.254	-0.07	0.009	0.26	0.48	0.089	0.006
A025469_01	-2.164	-2.136	1.048	0.609	1.314	1.612	0.185	0.335
A025479_01	-0.399	-0.478	0.267	0.211	-0.484	-0.643	-0.303	-0.389
A025487_01	-0.039	-0.022	-0.183	-0.55	0.113	-0.175	-0.502	-0.702
A025502_01	0.198	NA	0.108	-0.206	NA	NA	NA	-0.171
A025513_01	-0.194	NA	0.414	NA	NA	0.23	NA	NA
A025519_01	0.162	NA	-0.021	-0.096	-0.061	-0.164	NA	0.261
A025522_01	0.101	-0.063	-0.16	-0.194	0.215	NA	0.136	-0.008
A025542_01	-0.315	-0.295	0.007	-0.088	NA	-0.343	NA	NA
A025582_01	0.349	NA	0.604	0.31	NA	NA	-0.396	-0.492
A025585_01	0.318	NA	0.035	NA	0.018	-0.181	NA	NA
A025587_01	-0.023	NA	-0.013	NA	NA	NA	-0.006	-0.043
A025588_01	0.238	0.284	-0.02	-0.207	0.496	0.503	0.305	0.314
A025590_01	-0.334	-0.566	-0.553	-0.5	-0.663	-0.819	-0.069	-0.344
A025600_01	-0.316	-0.662	-0.383	-0.714	-0.449	-0.837	NA	-0.056

A025603_01		-0.143	0.059	-0.273	-0.327	-0.085	0.118	-0.043	0.245
A025613_01		0.156	0.328	-0.072	-0.019	-0.031	0.053 NA	NA	
A025618_01		0.066	0.099	0.277	0.213	-0.457	-0.584	-0.147	-0.285
A025621_01		0.21 NA		0.195	-0.095	0.227	0.191 NA		-0.206
A025639_01		0.226 NA		0.141	-0.133	0.912	1.013	0.317	0.293
A025644_01		0.43	0.742	-0.094	-0.099	0.05	0.063	-0.228	-0.108
A025645_01		-0.106	-0.321	0.073	-0.054	-0.643	-0.828	-0.169	-0.196
A025683_01		-0.885	-0.69	-1.222	-0.965	0.593	0.944	-0.477	-0.039
A025697_01		0.344	0.238	0.142	0.027 NA		-0.303	-0.132	0.018
A025712_01		0.168 NA		0.528	0.204 NA	NA		0.098	-0.329
A025718_01		0.26 NA		0.778	0.597 NA		-0.017	-0.382	-0.39
A025719_01		0.111	0.091	0.361	0.065	0.048	-0.089	-0.012	0.041
A025727_01		-0.522	-0.093	-0.355	-0.358	0.412	1.001	-0.295	0.139
A025728_01		-0.653 NA		0.189	-0.004	-0.291	-0.067 NA		-0.01
A025730_01		0.022	-0.226	0.099 NA		-0.212	-0.183 NA	NA	
A025733_01		-0.766	-0.589	0.654	0.398	0.863	0.996	0.453	0.227
A025735_01		-0.073	-0.045	0.127	0.095	-0.043	0.03	-0.048	-0.146
A025739_01		0.359	0.262	-0.351	-0.701	0.371	0.375	0.108	0.182
A025740_01		-0.147	0.588	-0.133	-0.986	0.395	0.725	-0.041	0.579
A025747_01		-0.155 NA		0.066	0.097	-0.019	-0.067	0.083	0.019
A025758_01	NA	NA		0.084	-0.007	-0.125	-0.208 NA		-0.036
A025759_01		0.497	0.954	-0.071	-0.105	0.104	-0.176	0.074	0.254
A025762_01	NA	NA		0.167	0.161 NA		-1.71 NA	NA	
A025765_01		0.608	0.741	0.86	0.742	-0.385	-0.704	0.478	0.434
A025767_01		-0.223	0.256	0.386	0.018	0.086	0.402	0.009	0.457
A025768_01		0.202	-0.039	-0.053	-0.143	-0.027	-0.037	-0.152	-0.159
A025769_01		0.005	0.028	-0.386	-0.213	-0.576	-0.868	0.011	-0.084
A025770_01		0.282	0.161	-0.066	-0.01	0.088	0.174	0.311	0.295
A025772_01		0.117	0.455	-0.575	-0.48	0.408	0.476	0.443	0.674
A025776_01		-0.721 NA		0.476	0.412	0.211	0.24	0.086	-0.008
A025777_01		-0.033 NA		-0.354	-0.233 NA		-0.772	0.023	0.009
A025778_01		0.365 NA		0.042	0.214 NA		-0.285	-0.482	-0.504
A025780_01		-0.028 NA		0.315	0.179 NA	NA		0.09	-0.047
A025785_01		0.056	-0.054	0.024	0.002	-0.103	-0.271	0.072	-0.185
A025787_01		0.192	-0.033	-0.302	-0.404	0.121	0.353	0.025	-0.14
A025788_01		0.19	0.35	0.093	0.171	0.344	0.545	-0.029	0.1
A025795_01		-0.986	-1.024	-0.169	-0.338	0.072	0.354	0.417	0.382
A025798_01		0.381	0.297	-0.019	0.045	0.186	-0.04	-0.029	0.035
A025799_01		0.412	0.402	-0.048	0.083	-0.217	-0.211	-0.288	-0.363
A025803_01		-0.192	-0.235	0.114	-0.121	-0.198	-0.269	-0.025 NA	
A025804_01		0.2	0.017	0.15	-0.012	-0.182	-0.453	0.007	-0.106
A025807_01		-0.174 NA		-0.386	0.29 NA	NA		-0.012	0.435
A025814_01		-0.088	-0.418	0.467	0.166	-0.786	-1.145	-0.175	-0.383
A025818_01		0.221	0.079	0.113	0.234	0.188	0.208	-0.184	-0.434
A025825_01		0.404	0.4 NA		-0.3	0.643	0.673 NA		0.034
A025827_01		0.346	0.056	0.013	0.105	0.059	-0.117	0.168	-0.098
A025828_01		0.646 NA		0.756	0.513 NA	NA		0.042	0.091
A025844_01		-0.563	-0.628	0.003	-0.207	-0.062	-0.405	-0.065	-0.142
A025846_01		-0.024 NA		-0.022	0.092 NA		-1.166	-0.1	-0.264
A025847_01		0.108	-0.011	0.021	-0.013	-0.61	-0.945	-0.214	-0.324
A025849_01		0.139 NA		-0.397	-0.143 NA	NA		-0.331	-0.833
A025861_01		0.256	0.424	-0.149	0.184	-0.079	0.431	-0.321	-0.082
A025867_01		-0.109 NA		0.121	0.115 NA		-0.132	-0.018	-0.183
A025868_01		-0.362	-0.19	0.679	0.668	0.485	0.79	-0.513	-0.244
A025869_01		0.139	0.23	-0.197	-0.188	0.236	0.385	-0.204	-0.169
A025870_01		-0.187	-0.141	0.45	0.556	-0.199	-0.101	-0.113	-0.253
A025872_01		0.229 NA		0.332	0.354	0.919	1.01	0.147	0.044
A025873_01		0.995	0.839	-0.146	-0.196 NA		-0.167	0.127	0.35
A025874_01		0.447 NA		0.207	-0.128 NA	NA	NA		-0.036
A025878_01		-0.103	-0.18	-0.021	0.011	-0.037	-0.052	0.063	-0.286
A025887_01		0.188	0.375	0.183	0.325	0.083	0.231	-0.171	0.035
A025896_01		0.146	0.164	0.025	0.049	0.314	0.533	0.4	0.561
A025899_01		-0.134	0.108	0.02	0.028	-0.103	-0.105	-0.141	0.042
A025900_01		0.183	0.216	0.176	0.172	-0.236	-0.247	-0.547	-0.524
A025901_01		-0.524	-0.08	0.172	0.132	-0.188	-0.188	-0.156	-0.002
A025908_01		0.171	0.053	0.002	0.085	0.004	0.007	0.06	-0.011
A025909_01		0.12	0.014	0.158	0.18	-0.216	-0.295	0.123	-0.154
A025910_01		-0.337	-0.217	0.862	0.763	0.683	0.763	-0.138	-0.193

A025911_01		-1.024	-1.796	-2.609	-2.551	-2.581	-2.689	-2.205	-2.042
A025916_01		0.61	0.26	0.013	-0.186	0.312	0.276	0.08	0.058
A025918_01		0.156	0.092	-0.056	0.168	-0.127	-0.162	0.052	-0.104
A025920_01		0.092	0.129	0.017	0.037	-0.034	0.06	-0.272	-0.222
A025922_01		0.137	-0.023	0.028	-0.088	0.087	0.142	-0.247	-0.42
A025924_01		0.301	0.289	-0.108	-0.076	0.213	0.281	-0.069	-0.197
A025929_01		-0.308	-0.414	-0.002	-0.034	-0.906	-0.995	0.112	-0.04
A025931_01		-0.172 NA		0.315	0.065 NA	NA		0.029	0.049
A025937_01		0.337	0.089	-0.099	-0.31	0.174	0.11	0.457	0.243
A025939_01		0.217	0.069	0.101	0.186	0.264	0.402	0.054	-0.008
A025941_01		0.296	0.264	0.061	0.094	-0.467	-0.734	-0.123	-0.152
A025942_01		-1.11	-0.957	-0.119	-0.174	0.129	0.291	0.391	0.478
A025944_01		-0.439 NA		-0.108	-0.256 NA	NA	NA	NA	
A025947_01		-0.047	-0.191	0.742	0.475	0.837	1.037	-0.089	-0.043
A025949_01		0.117	0.284	0.007	0.162	0.147	0.096	-0.041	-0.115
A025951_01		-0.277	-0.113	-0.016	-0.047	-0.301	-0.265	-0.011	0.129
A025956_01		0.499	0.597	0.021	0.308	-0.068	-0.108 NA		-0.182
A025957_01		-0.002	0.226	0.185	0.214	-0.973	-1.071	-0.171	-0.209
A025958_01		-0.309	-0.349	0.442	0.512	-0.009	0.093	-0.054	-0.279
A025959_01		-0.161	-0.149	0.362	0.444	0.551	0.616	0.07	0.08
A025961_01		-0.194	0.175	-0.393	-0.395	0.179	0.359	0.262	0.4
A025962_01		0.242	0.232	0.215	0.273	0.062	-0.159	0.04	0.127
A025963_01		0.295	0.136	-0.158	-0.02	-0.281	-0.21	-0.018	0.055
A025965_01		0.433	0.281	0.328	0.182	-0.269	-0.769	-0.173	-0.243
A025969_01		-0.179	-0.175	-0.176	-0.116	-1.063	-0.834	-0.481	-0.19
A025970_01		-0.491 NA		-0.04	0.036	-0.214	-0.226	-0.121	-0.087
A025971_01		0.418	0.292	0.549	0.34	0.173	-0.09	-0.249	-0.382
A025975_01		0.114 NA		0.121	0.025 NA	NA	NA	NA	
A025978_01		-0.134	-0.312	0.311	0.31	-0.293	-0.765	-0.013	-0.092
A025984_01		-0.709	-0.631	-0.462	-0.575	-0.452	-0.387	0.308	0.499
A025986_01		0.097	0.155	-0.049	0.09	0.103	0.114	0	-0.035
A025990_01		0.241	0.091	0.135	0.171	-0.672	-0.98	-0.583	-0.723
A025991_01		-0.107	0.05	-0.02	0.377	-0.294	0.073	-0.099	-0.078
A025992_01		0.37	0.091	-0.126	-0.216	0.154	0.038	-0.098	-0.149
A025995_01		0.727	0.399	0.301	0.007	0.246	-0.08	0.097	-0.073
A025997_01		0.436	0.598	-0.044	0.075	-0.236	-0.52	-0.1	-0.231
A025998_01		0.376	0.532	-0.313	-0.26	-0.01	-0.031	0.03	0.114
A026002_01		0.105	0.129	-0.012	-0.114	-0.593	-0.912	-0.2	-0.307
A026004_01		0.292	0.409	0.295	0.123	0.619	0.714	-0.15	-0.054
A026013_01	NA	NA		-0.2 NA		-0.283	-0.413 NA		0.097
A026014_01		0.054	0.099	0.238	0.261	0.285	0.26	-0.063	-0.056
A026015_01		-0.321	-0.043	-0.029	-0.189	-0.391	-0.599	-0.107	-0.087
A026017_01		0.305	0.292	0.166	0.237	-0.085	-0.22	-0.069	-0.184
A026024_01		0.033	0.191	0.113	-0.106	-0.069	0.046 NA		0.031
A026026_01		0.316 NA		0.046	0.044 NA	NA		-0.406	-0.347
A026043_01		0.095	0.238	-0.205	-0.236	0.106	0.156	0.162	0.039
A026057_01		0.221	0.096	0.149	0.141	0.076	-0.005	-0.11	-0.274
A026062_01		-0.22 NA		-0.202	-0.29	0.478	0.435 NA		-0.36
A026078_01		0.425	0.235	-0.008	0.031	-0.426	-0.582	0.2	-0.048
A026081_01		0.093	0.023	0.247	0.116	0.228	0.001	-0.252	-0.286
A026082_01		-0.277	-0.173	-0.323	-0.114	0.031	0.251	-0.054	-0.056
A026083_01		0.267	0.134 NA		-0.282	-0.214	-0.161	-0.023	0.191
A026086_01		0.214 NA		0.291	0.178 NA		-0.25	-0.092	-0.091
A026087_01		0.189	0.095	0.3	0.347	-0.122	0.046	-0.366	-0.275
A026089_01		-0.793	-0.572	-0.143	-0.128	-0.851	-1.088	0.171	0.049
A000178_01	NA		-0.333	-1.1	-0.431 NA		-1.006 NA	NA	
A000194_01		-0.298	0.248	-0.361 NA		-0.069	0.133 NA	NA	
A000195_01	NA		-0.039	-0.658	-0.112	-0.3	-0.136 NA	NA	
A000463_01	NA		0.377	0.142	0.141 NA		0.624	-0.182	0.216
A000605_01	NA		0.074	-0.084	0.259 NA		0.154 NA	NA	
A000683_01	NA	NA		-0.561 NA	NA		0.554 NA		0.542
A000724_01	NA		-0.162	-0.079	-0.012	-0.278	0.003 NA	NA	
A000790_01		-0.82	-0.424	-0.135	0.144	1.083	1.505	-0.482	0.224
A000902_01	NA		0.079	0.439	0.519	0.225	0.199	-0.1	0.19
A000979_01	NA		0.294	-0.151	0.38	-0.007	0.245 NA	NA	
A001111_01		-0.238 NA	NA	NA	NA		0.475 NA		0.671
A001151_01	NA	NA		0.117	0.235	0.492	0.825	0.113	0.388
A001316_01		-0.22	-0.186	0.289	0.385	0.352	0.372	-0.028	0.04

A001383_01	NA		-0.062	-0.142	0.041	-0.038	0.013	NA	NA	
A001433_01		0.203	0.191	0.073	0.087	0.067	0.12	NA		-0.215
A001509_01		-0.271	NA	NA	0.107	NA	NA	NA		0.732
A001594_01		-0.1	NA		0.057	-0.174	-0.226	NA		-0.063
A001600_01		0.073	0.383	0.108	0.339	0.333	0.57		-0.074	0.24
A001888_01		-0.335	NA		0.269	0.178	NA	0.183	NA	NA
A002042_01	NA		-0.119	0.141	0.354	NA	-0.292	NA	NA	
A002060_01	NA		-0.207	0.005	0.142	NA	0.035	0.348		0.175
A002084_01		0.353	0.512	NA	-0.164	0.365	0.679	NA	NA	
A002107_01	NA	NA		-0.209	-0.067	NA	0.112	0.181	NA	NA
A002404_01	NA		-0.056	-0.051	0.119	NA	0.366	NA	NA	
A002434_01	NA		0.162	-0.201	0.027	NA	0.153		-0.155	0.146
A002621_01		-0.278	NA	-0.047	NA	NA	NA	NA		0.435
A002778_01	NA	NA		-0.044	0.025	NA	0.363	NA	NA	
A002947_01		-0.479	-0.119	-0.142	NA		0.121		-0.329	-0.04
A003123_01	NA	NA		0.669	0.484	1.062	1.373	0.341	NA	
A003140_01		-0.016	0.015	-0.176	0.058	0.286	0.731	0.241	NA	
A003218_01	NA	NA		0.146	0.039	NA	0.186	0.149		0.366
A003526_01		-0.46	-0.252	-0.626	-0.64	0.256	0.691	NA	NA	
A003659_01		-0.331	NA	NA	-0.051	NA	NA	NA		-0.14
A003766_01		-0.319	NA	0.64	0.619	1.397	1.581	NA		0.521
A003859_01		-0.032	NA	-0.939	-0.78	NA	-0.64		-0.776	NA
A004129_01		-0.351	NA	-0.271	-0.08		-0.308	-0.035		-0.615
A004135_01		-0.111	0.125	0.13	0.25	0.064	-0.095		-0.004	-0.126
A004159_01		-0.111	NA	0.136	0.259	-0.188	-0.099		-0.047	0.132
A004334_01	NA		-0.185	0.344	0.141	0.464	0.539	NA	NA	0.182
A004387_01	NA		0.401	0.23	0.099	NA	0.021	NA	NA	
A004423_01	NA		0.065	0.014	-0.205	0.035	0.005	0.047	NA	
A004572_01		0.04	NA	0.595	0.583	0.159	0.425		-0.351	-0.273
A004660_01	NA		-0.301	0.322	0.315	NA	0.003	NA	NA	
A004672_01	NA		0.254	0.577	0.461	0.595	0.47		-0.102	NA
A004702_01	NA	NA		-0.075	0.336	NA	0.374		-0.058	0.108
A004773_01	NA	NA		-0.118	-0.058	NA	-0.021		-0.011	NA
A005189_01	NA	NA		-0.28	-0.415	NA	-0.551		0.168	0.308
A005374_01		-0.124	NA	0.074	0.145	NA	-0.123	NA	NA	
A005392_01		-1.62	-1.417	-0.018	-0.06	1.068	1.669	0.528		0.879
A005515_01		-0.009	0.182	0.132	-0.152	0.098	-0.019		-0.181	NA
A005561_01	NA		0.206	0.089	0.126	0.118	-0.046	0.106		0.001
A005682_01		-0.214	0.129	-0.557	-0.217	0.068	0.522	0.362	NA	
A005848_01	NA	NA		-0.112	0.043	NA	-0.192		-0.013	0.107
A006047_01		0.008	NA	0.332	0.289	NA	-0.165	NA		-0.021
A006139_01	NA	NA		0.177	-0.024	NA			-0.045	-0.271
A006166_01		-1.083	-1.015	-0.144	-0.215	-0.689	-0.17		-0.565	-0.461
A006192_01	NA		0.395	-0.107	0.09	NA	0.101	NA	NA	
A006198_01	NA		-0.419	-0.15	0.065	NA	-0.5		0.151	NA
A006299_01	NA		0.257	0.041	0.097	NA	0.24		-0.037	-0.066
A006359_01	NA	NA		-0.122	-0.082	NA	0.294	NA	NA	
A006535_01	NA	NA		-0.403	-0.191	NA	0.286	NA	NA	
A006561_01		-0.017	NA	0.074	NA	NA	0.2	NA	NA	
A006584_01		-0.413	-0.357	0.156	0.052	NA	0.404	NA	NA	
A006587_01		-0.033	NA	-0.241	NA	NA	0.365	NA	NA	
A006588_01		-0.051	NA	-0.124	0.105	NA	0.302	NA	NA	
A006590_01	NA		-0.06	-0.094	-0.101	NA	-0.099	0.06		0.175
A006602_01	NA		-0.084	-0.141	-0.015	NA	0.061		-0.148	NA
A006638_01	NA		0.115	-0.469	-0.067	NA	0.31		0.179	0.083
A006655_01	NA		-0.081	NA	-0.396	NA	-0.185	NA	NA	
A006661_01		-0.093	0.23	-0.045	-0.13	0.084	-0.143		0.097	0.078
A006741_01		0.124	NA	0.059	0.184	NA	0.207	NA		-0.049
A006970_01	NA		-0.168	0.178	0.252		-0.26	-0.354		-0.071
A007125_01	NA		0.504	-0.606	0.342	NA	-0.125	NA		0.844
A007270_01		0.046	-0.148	-0.236	-0.406	0.397	0.171		0.263	0.144
A007326_01	NA		-0.032	0.031	0.081	-0.051	0.148		-0.006	0.446
A007344_01		0.248	0.104	-0.079	-0.113	0.255	0.145		0.08	NA
A007439_01	NA		0.251	-0.24	-0.114	NA	-0.199	NA	NA	
A007540_01	NA	NA		0.991	1.084	1.348	1.578	0.266		0.453
A007611_01		0.095	NA	0.174	0.414	0.348	0.494	NA	NA	
A007679_01		-0.396	0.234	NA	NA	0.169	0.535		0.004	0.789
A007700_01	NA		-0.036	-0.214	0.05	-0.189	-0.1		0.087	NA

A007742_01	NA		0.107	0.084	0.056	0.447	0.381	-0.698	-0.573
A007802_01		-0.28 NA		-0.047	0.055	0.3	0.529 NA		0.177
A007819_01	NA		-0.149	-0.081	-0.039	0.086	0.263	-0.016	0.204
A007828_01		-0.25 NA		0.306	0.512	-0.104	0.183	-0.138	-0.001
A007839_01		-0.719 NA	NA		0.2	-0.601	-0.398	-0.585	-0.15
A007867_01	NA		-0.048	-0.251	-0.131 NA		-0.013	0.354	0.25
A007882_01		-0.025 NA		-0.19 NA	NA		0.06 NA		0.042
A007997_01		-0.223	-0.262	-0.076	-0.068 NA		-0.078	0.125	0.215
A008030_01		-0.043 NA		-0.021	0.016 NA	NA		0.046	0.138
A008034_01		-0.02 NA		0.273	0.18 NA	NA	NA		-0.019
A008278_01		0.153 NA		0.198 NA	NA		0.2 NA		-0.06
A008284_01		-0.462 NA		0.17	0.202	0.752	1.067	0.578	0.634
A008609_01	NA		-0.322	-0.033	0.034 NA		-0.008 NA	NA	
A008620_01	NA		-0.35	-0.041	0.187 NA		-0.136 NA	NA	
A008712_01	NA		-0.13	-1.058	-1.017	-1.469	-1.548	-0.141	-0.031
A008935_01	NA		-0.329	0.438	0.645 NA		0.019	-0.528 NA	
A009025_01	NA		-1.028	1.122	1.173	1.171	1.741 NA	NA	
A009197_01		0.07	-0.209	-0.055	0.188	-0.041	0.043 NA	NA	
A009232_01	NA	NA		0.334	0.156 NA		-0.164	0.084 NA	
A009254_01		-0.151	-0.11	-0.135	-0.11	-0.349	-0.365	-0.152	-0.031
A009259_01		-0.651	-0.713	0.212	0.134	0.932	1.362	0.558	0.709
A009332_01		-1.165	-1.29	1.11	1.156	1.592	2.161	0.793	0.881
A009654_01		0.298	0.226	0.084	0.295	0.223	0.22	0.183	0.06
A009749_01	NA		-0.128	-0.107	-0.107	-0.02	-0.042	0.189 NA	
A009945_01		-0.078 NA		0.179	0.1 NA		-0.063	0.118	0.209
A010046_01	NA		0.111	-0.255	-0.127	-0.104	0.022	-0.054	0.239
A010070_01	NA		-0.287	0.428	0.111 NA		-0.281 NA	NA	
A010280_01		0.041 NA		0.321	0.345 NA		-0.085 NA		0.129
A010408_01		-0.021	0.028	-0.031	-0.01 NA		-0.013 NA	NA	
A010432_01	NA		-0.279	-0.261	-0.107	-0.066	-0.233 NA	NA	
A010479_01	NA		-0.955	0.506	0.327	0.844	0.945 NA	NA	
A010550_01	NA	NA		0.062	0.097 NA		-0.262	0.06	-0.105
A010630_01		0.033 NA	NA		0.167	0.161	0.142 NA		0.241
A010702_01		0.138 NA		-0.217	-0.226	-0.514	-0.649 NA		-0.596
A010770_01		0.227	0.054	0	-0.06	0.178	0.227	-0.641 NA	
A010800_01	NA		0.163	-0.064	0.087 NA		0.379	0.077 NA	
A010889_01	NA		-0.086	0.077	0.068 NA		-0.066 NA	NA	
A010924_01		-0.085 NA		-0.193	-0.018 NA	NA	NA		-0.01
A010967_01		-2.053	-1.88 NA		-1.383	0.433	0.926 NA		-0.502
A010984_01		0.379	0.136	-0.063	-0.067	0.43	0.307	0.211	0.015
A010986_01		0.326	0.313	-0.367	-0.131	-0.232	0.063	0.071	0.233
A011239_01	NA		-0.076	0.112	0.201 NA		-0.493	0.196	-0.027
A011702_01		-0.75	-0.976	0.642	0.783	1.292	1.809 NA		0.519
A011934_01	NA		-0.008	-0.109	0.087 NA		0.265 NA	NA	
A011958_01	NA		0.291 NA		-0.02 NA		-0.032	0.081	-0.011
A012029_01	NA		-0.404	0.218	0.202	-0.414	-0.372	-0.44	-0.792
A012053_01		-0.117	-0.111	-0.145	-0.357	0.206	0.231 NA	NA	
A012261_01		0.335 NA		-0.188	0.072	0.12	0.244 NA		-0.116
A012345_01		0.361 NA		0.003	-0.022	0.289	0.429 NA		-0.085
A012409_01	NA	NA		-0.007	0.135 NA		-0.776 NA	NA	
A012427_01	NA		0.153	0.543	0.504 NA		0.019	-0.063 NA	
A012433_01		-0.468 NA	NA	NA	NA		0.499	0.107	0.321
A012676_01	NA		-0.046	0.431	0.565	0.05	0.144	-0.673	-0.816
A012743_01		0.255 NA		0.053 NA	NA		0.217 NA		0.096
A013121_01	NA		0.208	-0.148	-0.063 NA		0.404 NA	NA	
A013400_01	NA	NA		0.173	0.068 NA		-0.142	-0.049 NA	
A013826_01		-0.098	0.028	-0.067	-0.225	0.153	0.014	0.087	0.09
A014261_01	NA	NA		0.104	0.218 NA		0.131	-0.03	-0.293
A014327_01	NA	NA		0.011	-0.092 NA		0.118	0.186 NA	
A014482_01		-0.02 NA		0.049	0.085 NA		0.216 NA	NA	
A015221_01		0.209 NA		0.053	-0.035 NA	NA	NA		-0.059
A015419_01	NA	NA		-0.367	-0.51 NA		-0.336	-0.505	-0.74
A015597_01	NA		-0.262	-0.271 NA	NA		-0.453 NA	NA	
A015680_01	NA		-0.173	0.122	0.077 NA		-0.296 NA	NA	
A015726_01	NA	NA		0.219	0.051	-0.058	0.192 NA	NA	
A015821_01		0.348 NA		-0.039	-0.176 NA		-0.19 NA		0.088
A015829_01	NA		-0.151	-0.056	-0.252 NA		-0.278 NA	NA	
A016078_01	NA		-0.147	0.371	0.247 NA		-0.082 NA	NA	

A016171_01		-0.577	-0.411	0.545	0.564	1.042	1.578	0.501	0.887
A016256_01		0.008	-0.458	0.739	0.508	0.184	0.21	0.045	-0.004
A016280_01		0.037 NA		0.154	-0.004	0.591	0.34 NA	NA	
A016737_01	NA		-0.068	-0.079	-0.041	-0.698	-0.713	-0.287	-0.307
A016743_01	NA	NA		-0.022	-0.165 NA		0.168	0.191	0.036
A016766_01	NA	NA		0.081 NA		1.322	1.529	1.11	0.802
A016874_01	NA	NA		1.039	0.797	0.994	1.085	-0.135 NA	
A016906_01		-0.315 NA		-2.811	-2.333	0.942	1.104	-0.414	-0.641
A016921_01	NA		0.271	-0.47	-0.176 NA		0.126	0.226 NA	
A016963_01	NA	NA		0.354	0.323 NA		0.173 NA	NA	
A017319_01		0.17	-0.036	0.062	-0.064	0.35	0.542	-0.292	-0.255
A017543_01	NA	NA		-0.157	-0.249 NA		0.148	0.2	0.387
A017592_01	NA	NA		-0.225	-0.147 NA		0.059	0.195	0.29
A017615_01		0.264 NA		0.562	0.414 NA		-0.032	0.233	0.116
A017639_01	NA	NA		0.163	-0.109 NA		0.102	0.255	0.165
A017675_01	NA		0.31	-0.183	-0.219 NA		-0.525 NA	NA	
A017696_01		0.456 NA		-0.528	-0.647	0.618	0.739	0.397	0.306
A017708_01		0.223 NA		0.003 NA	NA		0.112 NA	NA	
A018180_01		-0.274	-0.389	0.272	-0.01 NA		-1.202 NA	NA	
A018346_01		0.069	0.004	-0.45	-0.501	0.137	0.426	0.106 NA	
A018376_01	NA	NA		-0.173	-0.194 NA		0.005	0.064 NA	
A018459_01		0.461	0.038	-0.232	0.022	0.098	0.203 NA	NA	
A018525_01	NA	NA	NA	NA	NA		0.134 NA	NA	
A018642_01		0.075 NA		0.072	0.079 NA		-0.661	-0.06	-0.444
A018791_01		-0.344	-0.054	0.069	0.053	-0.162	-0.099	-0.255	-0.287
A018839_01		0.089	0.115	0.295	0.016	0.238	0.238 NA	NA	
A019083_01		-0.198	-0.113	0.103	-0.08	0.081	0.153	0.173	0.042
A019129_01		0.186	-0.029	-0.001	0.057	-0.194	-0.253	-0.147 NA	
A019148_01		0.213	0	-0.003	0.073	0.39	0.656	-0.011	-0.176
A019207_01	NA		0.262 NA		-0.361 NA		0.227	0.469 NA	
A019260_01		0.051 NA		0.064	-0.031	0.161	0.149	0.158	0.033
A019316_01	NA	NA		-0.014	0.1 NA		-0.092 NA		-0.166
A019339_01		0.486 NA		-0.214	0.133	-0.116	-0.131 NA		-0.281
A019441_01		-0.112	0.254	-0.059	-0.027	0.081	0.507	-0.266	-0.051
A019481_01	NA	NA		0.063	0.003 NA	NA		0.256	0.181
A019507_01		0.144	0.309	-0.289 NA		-0.027	0.154 NA	NA	
A019546_01	NA		0.421	0.079	-0.038 NA		0.16 NA	NA	
A019605_01	NA		-0.315	-0.157	-0.103	-0.016	0.081 NA	NA	
A019623_01	NA		0.067	0.337	0.168	0.639	0.411	0.084	0.036
A019735_01		-0.285 NA		0.572	0.352	-0.145	-0.075 NA	NA	
A019790_01		-1.01	-0.828 NA	NA		0.158	0.657 NA		-0.221
A019856_01		-1.532	-1.334 NA	NA		0.945	1.449 NA		-0.302
A019860_01	NA		-0.424	0.05	0.344	0.28	0.557	0.403	0.44
A019961_01		0.122	0.12	-0.012	-0.205	0.371	0.451	0.12	0.027
A020003_01	NA		-0.146	0.15	0.046	0.054	0.027 NA	NA	
A020052_01		-0.439 NA		-0.162	-0.077 NA		-0.699	-0.517	-0.384
A020094_01		0.068 NA	NA		-0.158	0.152	0.176 NA		0.072
A020163_01		-0.171 NA		0.18	0.309	0.393	0.496 NA		0.156
A020252_01	NA		0.163	-0.001	0.302 NA		-0.094 NA	NA	
A020391_01	NA	NA		-0.119 NA	NA		-0.344 NA		-0.171
A020483_01		-0.1 NA	NA	NA		0.327	0.563 NA		0.569
A020662_01	NA	NA		0.039	0.103 NA		-0.379 NA	NA	
A020698_01		-0.378	-0.136	-0.019	-0.159	0.439	0.672	-0.008	0.238
A020745_01		0.068	0.046	-0.126	-0.089	-0.003	0.004 NA	NA	
A020865_01		0.172 NA		0.899	0.843	1.527	1.816	0.725	0.398
A020875_01		-0.027	-0.003	0.008 NA	NA		-0.052 NA	NA	
A020877_01		-1.034	-0.971	1.186	1.155	1.188	1.728	0.53	0.379
A020895_01		0.307 NA		0.01 NA	NA		-0.317 NA	NA	
A020989_01		0.722	0.307	-0.155	-0.209 NA		-0.081 NA	NA	
A021075_01		0.105 NA		0.112	-0.167	0.441	0.383 NA		-0.077
A021101_01	NA		-0.094	0.55	0.32	0.26	0.391 NA	NA	
A021199_01		-0.037	0.13	0.302	0.068	0.134	0.15	-0.408	-0.349
A021203_01		0.239	0.083	-0.086	-0.369 NA		0.16	0.424	0.309
A021404_01		0.043	-0.013	-0.083	-0.075	-0.204	-0.15	0.333	-0.023
A021457_01		0.033	0.073	-0.254 NA		-0.136	0.018 NA	NA	
A021598_01		-0.026 NA		0.167	-0.018 NA		-0.183 NA		-0.075
A021618_01		0.45	-0.003	0.197	0.1	-0.388	-0.588	0.167	-0.002
A021825_01	NA		-0.557	-0.985	-1.165 NA		-0.743 NA	NA	

A021855_01	NA		0.064	0.139	-0.012	0.192	0.313	-0.122	-0.354
A022122_01		-0.569	-0.946	-0.694	-1.035	0.042	0.335 NA	NA	
A022228_01		0.294 NA		0.208	0.072 NA		0.307	0.112	-0.156
A022508_01	NA		-0.056	0.176	0.224 NA		-0.374 NA	NA	
A022526_01	NA	NA		0.461	0.352 NA		-0.979 NA	NA	
A022621_01	NA	NA		0.07	-0.215 NA		-0.164 NA	NA	
A022710_01		0.257	-0.029	0.003	-0.21	0.154	0.05	0.156	-0.135
A022924_01	NA		0.464	-0.142	-0.003 NA		-0.969 NA	NA	
A023591_01		0.456 NA	NA		0.287 NA		0.605 NA	NA	
A023758_01		-0.44 NA		0.837	0.662	0.505	0.889	-0.437	-0.074
A023785_01	NA		0.074	-0.218	-0.235	0.246	0.113	0.237	0.227
A023963_01		-0.254 NA		-0.007	-0.113 NA		-0.03 NA	NA	
A024087_01		0.018	-0.062	0.083	-0.03	0.088	0.057 NA	NA	
A024254_01	NA	NA		0.741	0.734	0.624	0.86 NA	NA	
A024432_01	NA	NA		0.438	0.306	1.288	1.247	0.295	0.32
A024688_01		0.83 NA		-0.224	-0.428 NA		0.397	0.63	0.272
A024828_01		0.164 NA		0.415	0.2 NA		-0.195 NA		-0.167
A024871_01		0.367	0.256	0.275	0.149	0.106	-0.102 NA	NA	
A025304_01		-0.107 NA		0.607	0.359 NA	NA		-0.056	-0.47
A025505_01		0.022 NA		0.269	-0.223 NA		0.313 NA		0.127
A025631_01		-0.113	0.071	-0.507	-0.199 NA		0.178	0.143 NA	
A025649_01	NA	NA		-0.012 NA	NA		0.427 NA	NA	
A025888_01		0.46	-0.095 NA	NA		-0.125	-0.467 NA		-0.19
A025917_01		0.059	-0.173	0.143	-0.137	0.155	-0.13	0.15	-0.061
A025993_01	NA		0.229	-0.209	-0.195	0.499	0.627	0.232	0.403
A000832_01		0.589	0.402 NA		0.284	-0.118	0.004 NA	NA	
A000983_01		-1.214 NA		0.491	0.737	1.269	1.797	0.623	0.935
A001323_01		0.108	0.078 NA	NA		0	-0.165 NA		0.351
A001615_01	NA	NA		0.198	0.459 NA		0.385	-0.034	0.048
A002100_01		-0.704	-0.53	0.624	0.73	1.406	1.871	0.592	0.712
A002428_01		-1.499	-1.37	-0.795	-0.652	0.783	1.46	-0.517	-0.394
A002959_01		-0.03 NA		0.372	0.361	0.632	1.108 NA		0.16
A003384_01		0.331	0.191	-0.155	-0.126	1.219	1.376	0.328 NA	
A003432_01		-0.724	-0.403	0.503	0.599	1.393	1.899	0.766	1.188
A003906_01	NA		0.412	-0.891	-0.709	0.569	0.888	0.389	0.754
A004158_01	NA	NA		-0.022	0.143 NA		0.171 NA		0.044
A005016_01		0.505 NA		-0.415	-0.316 NA		1.256	0.152	0.404
A006218_01		0.088	-0.011	0.052	0.074	1.241	1.263 NA		-0.051
A006571_01		0.311 NA		0.272	0.34 NA		0.044 NA	NA	
A007664_01		-1.066 NA		1.077	1.054	1.72	2.194	0.709	0.644
A007996_01		-0.039 NA		0.317	0.35 NA		0.514 NA		-0.044
A008395_01		0.348	0.243	0.328	0.036 NA		-0.478	0.3	0.135
A009384_01		-1.007	-1.051	1.137	1.05	1.791	2.32	0.689	0.792
A010777_01		0.2 NA		0.166	0.142 NA		-0.118 NA		0.143
A011549_01		-0.191	-0.243	0.216	0.135	1.192	1.537	0.254	0.227
A012282_01		0.074 NA		0.042	0.219 NA		0.185	0.152	0.193
A012617_01		0.328 NA	NA		-0.119	0.092	0.085 NA		0.131
A014149_01		0.938	1.061	0.095	0.15	1.372	1.441	0.41	0.503
A014237_01		-0.059 NA	NA	NA		0.321	0.105 NA		0.105
A014458_01		0.295 NA		0.069	-0.185 NA		0.349 NA		0.406
A014719_01		-0.851	-0.857	-0.875	-1.019	0.243	0.775	0.124	0.219
A014768_01		-0.01	-0.017	0.242	0.154	0.26	0.077	0.146	-0.021
A015277_01		0.053	-0.025	0.183	0.069	0.523	0.495 NA	NA	
A015501_01		-0.243 NA		0.813	0.618	1.384	1.659	0.725	0.6
A015891_01		0.025 NA		-0.224	-0.309	0.911	1.117	-0.092	-0.256
A016892_01		0.024	0.157	-0.134	-0.22	0.705	0.994	0.412	0.621
A018578_01		0.546	0.317	-0.069 NA		0.132	0.241 NA	NA	
A018773_01		0.099	-0.132	-0.176	-0.005	-0.24	-0.17	-0.176	-0.254
A019147_01		0.436 NA	NA		-0.224 NA		0.089	0.258	-0.006
A019173_01		-0.148	-0.427	0.11	0.006	-0.478	-0.462	0.059	-0.018
A020365_01	NA	NA		0.065	0.021 NA		-0.621	0.288	0.341
A020695_01		0.21 NA		0.56	0.583 NA		-0.338	-0.301	-0.799
A020773_01		0.253 NA		0.311	0.221	0.078	-0.021	0.157	-0.205
A021007_01		-0.093 NA		-0.559	-0.63	0.432	0.692	0.438	0.176
A021284_01		0.014 NA		0.139	-0.041 NA		0.186	0.174	-0.048
A021358_01		0.191	-0.054	0.115	-0.305	0.204	0.173	-0.034	0.084
A021505_01		0.562	0.752	0.864	0.757	0.607	0.624	0.089	-0.048
A021801_01	NA	NA	NA		-3.05	1.076	1.534	-1.141	-1.356

A021844_01		-0.103 NA		0.235 NA		0.254		0.107 NA		0.106		
A021861_01		0.265 NA		0.178		-0.014 NA		-0.149 NA		0.131		
A021957_01		0.514	0.531	0.176		0.463		0.192	0.268	-0.071	-0.208	
A022288_01		-1.524 NA		1.012		0.788		1.606		2.057	0.768	0.829
A022312_01		-0.138 NA		-0.252		-0.23		0.368		0.455	0.384	0.217
A023427_01		-1.12 NA		-0.291		-0.265		0.349		1.055	-0.165	-0.027
A023639_01		0.448 NA	NA			0.075 NA		0.243 NA		NA		
A024654_01		0.221	-0.074	0.296		-0.179		0.35		0.146	0.344	0.191
A025744_01		0.094 NA		-0.805		-0.722 NA		-0.054		0.561		0.391
A008108_01		0.584	0.422	0.309		0.363		0.968		1.22	0.437	0.488
A011990_01		0.326 NA		-0.276		-0.068 NA				0.423	0.164	-0.009
A018550_01		0.346	0.771	0.305 NA				0.686		0.625 NA		0.085
A018865_01		-0.065	0.053	-0.043		0.043		0.096		0.012	0.095	-0.04
A020743_01		0.216 NA	NA	NA		NA				-0.072 NA		0.195
A023790_01		0.099 NA	NA	NA				0.181		0.09 NA		-0.135
A023812_01		0.23	0.315	0.279 NA				0.116		0.125 NA		0.01
A024387_01		0.006	0.046	0.106		0.107		0.4		0.48	0.368	0.582
A024446_01		-0.739	-0.693	-1.42		-1.41		0.263		0.571	-0.741	-0.889
A024462_01		-0.183	0.104	0.115 NA				-0.029		0.18 NA	NA	
A024556_01		-0.952	-0.777	0.522		0.143		1.185		1.427 NA		0.659
A025800_01		0.235 NA		0.162		-0.088		0.076		-0.085	0.107	-0.111
A000741_01	NA		0.024	0.063		0.061		0.091		0.047	-0.001	0.175
A020770_01	NA	NA	NA			-3.583		0.87		1.497	-1.557	-1.959
A001491_01	NA		-0.153	-0.526		-0.426		0.438		0.814	0.268	0.218
A000015_01	NA	NA		-0.902		-0.205		-1.508		-1.244 NA	NA	
A000400_01	NA		0.179	0.06		0.12		-0.05		-0.034	-0.057	-0.065
A000418_01	NA		-0.015	-0.201		-0.184		-0.016		0.154	-0.133	0.211
A000448_01	NA		0.315	0.24		0.421		-0.578		-0.44	-0.265	0.017
A000745_01	NA		-0.081	-0.096		0.029		0.175		0.205	-0.008	-0.013
A000942_01	NA		0.195	-0.327		0.008		-0.139		0.002	0.141	0.226
A001047_01	NA		0.028	-0.075		0.141		-0.112		0.093 NA	NA	
A001349_01	NA		0.166	0.125		0.236		0.087		0.144	-0.165	-0.095
A001364_01	NA		-0.144	0.438		0.427		0.548		0.625	0.172	0.11
A001393_01	NA		-0.333	-0.38		-0.085		0.156		0.455	0.698	0.91
A001427_01	NA		0.009	-0.192		0.123		0.144		0.323	0.041	0.198
A001475_01	NA		-0.026	-0.132		0.013		-0.112		-0.239	0.128	0.026
A001493_01	NA		-0.1	-0.191		-0.015		-0.213		-0.053	-0.089	0.229
A001569_01	NA		0.143	-0.37		-0.128		-0.11		0.197	0.044	0.262
A002091_01	NA		-0.004 NA			0.128		-0.517		-0.4 NA	NA	
A002115_01	NA		0.098	0.19		0.065		-0.06		-0.252	-0.114	-0.197
A002139_01	NA		0.002	-0.017		-0.124		-0.103		-0.185	0.009	0.079
A002163_01	NA		0.049	-0.024		0.162		-0.232		-0.125 NA		0.073
A002347_01	NA	NA		-0.042		0.199		0.269		0.445 NA		0.736
A002358_01	NA	NA		-0.71		-0.019		-0.116		0.148 NA		0.435
A002438_01	NA		0.356	-0.04		0.238		0.35		0.633	-0.086	0.115
A002620_01	NA		-0.12	-0.372		-0.139		0.536		0.898	0.1	0.435
A003454_01	NA		-0.076	-0.124		-0.194		-0.506		-0.327 NA	NA	
A004153_01	NA		0.089	0.031		0.221		0.207		0.359	0.131	0.15
A004340_01	NA		-0.017	-0.271		-0.145		-0.423		-0.47	-0.135	-0.134
A004366_01	NA		0.002	-0.193		-0.113		0.222		0.306	-0.048	0.071
A004544_01	NA		0.246	-0.11		-0.118		0.129		0.271	0.052	0.033
A004681_01	NA		-0.293	-0.05		-0.047		-0.091		-0.214	-0.058	-0.173
A004767_01	NA		0.53	0.237		0.39		-0.116		-0.177 NA	NA	
A004957_01	NA		0.059	-0.176		-0.106		0.492		0.684	0.519	0.418
A004958_01	NA		-0.035	0.022		0.119		-0.204		0.057	-0.14	-0.008
A004969_01	NA		0.039	0.136		0.024		0.098		0.097 NA	NA	
A005896_01	NA		0.031	-0.075		0.19		0.181		0.36	0.083	0.393
A005927_01	NA		0.033	-0.123		-0.105		-0.106		-0.125	0.215	0.23
A005993_01	NA		-0.845	0.177		0.309		0.693		1.02	0.248	0.306
A006010_01	NA		1.469	0.031		0.287		0.186		0.339	0.333	0.879
A006113_01	NA		0.068	0.257		0.017		0.013		-0.222	-0.117	-0.164
A006404_01	NA		-0.06	-0.125		-0.073		0.156		0.144	0.035	0.164
A006526_01	NA		-0.258	-0.932		-0.805		0.704		1.126	0.306	0.6
A006614_01	NA		0.122	0.077		0.142		-0.068		0.035	-0.173	-0.053
A006812_01	NA		0.041	0.47		0.443		-0.012		0.003	0.201	0.26
A006983_01	NA		0.117	-0.056		0.101		-0.035		0.112	-0.056	-0.097
A007065_01	NA		-0.3	0.093		0.218		-0.27		-0.189	-0.075 NA	
A007160_01	NA		-0.343	0.009		0.197		-0.278		-0.224	-0.153	0.211

A007253_01	NA	-0.386	0.112	0.071	-0.034	0.293	-0.114	-0.235
A007301_01	NA	0.055	-0.04	-0.055	-0.064	-0.133	0.18	-0.025
A007345_01	NA	-0.046	0.015	-0.028	-0.195	-0.364	-0.018	-0.24
A007579_01	NA	-0.302	0.289	0.422	0.435	0.628	-0.231	-0.067
A007731_01	NA	-0.082	-0.144	-0.051	-0.207	-0.313	-0.051	-0.039
A007737_01	NA	-0.411	-0.221	-0.148	-0.202	-0.325 NA		0.076
A008444_01	NA	0.085	-0.081	0.12	-0.119	-0.12	-0.126	-0.185
A008462_01	NA	0.01	0.243	0.112	0.005	-0.004	0.011	0.054
A009204_01	NA	-0.489	0.631	0.473	-0.574	-0.644 NA		-0.976
A009242_01	NA	-0.061	-0.232	-0.251	-0.103	0.047	-0.007	-0.005
A009243_01	NA	0.055	-0.053	0.016	-0.04	-0.01	0.136	0.116
A009644_01	NA	0.097 NA		0.188	0.03	0.152 NA	NA	
A009651_01	NA	-0.33	-0.186	-0.251	-0.313	-0.177	-0.282	0.097
A009685_01	NA	-0.417	0.158	0.177	0.292	0.198	-0.164	-0.221
A009717_01	NA	-0.116	0.353	0.337	0.687	0.901	0.136	0.114
A009718_01	NA	-0.157	0.098	0.041	-0.957	-1.146	-0.342	-0.351
A009724_01	NA	-0.317 NA	NA		0.359	0.157	0.488	0.433
A010662_01	NA	NA	-0.462 NA		0.218	0.468 NA	NA	
A011147_01	NA	-0.26	0.033	-0.048	-0.417	-0.545 NA		-0.129
A011464_01	NA	0.075	-0.254	-0.259	0.409	0.418	0.203	0.271
A011466_01	NA	NA	-0.315	-0.33	-0.09	-0.068	0.19	0.227
A011639_01	NA	0.191	-0.032	0.126	-0.225	-0.156	-0.031	-0.03
A011648_01	NA	0.192	-0.111	0.076	0.075	0.116	-0.108	-0.088
A011649_01	NA	-0.076	-0.606	-0.065	-0.136	0.177	0.032	0.028
A011737_01	NA	0.433	0.458	0.332	0.439	0.366	-0.22	-0.229
A011739_01	NA	-0.132	-0.136	0.102	-0.371	-0.207	-0.233	-0.102
A011796_01	NA	-0.172	-0.312	-0.253	-0.12	0.026	-0.045	-0.137
A011824_01	NA	NA	-0.064	-0.087	-0.414	-0.652	0.075	-0.032
A012405_01	NA	0.001	0.021	0.149	0.39	0.529	0.341	0.245
A012825_01	NA	0.257	0.078	0.15	0.157	-0.002	0.002	-0.135
A012892_01	NA	-0.153	-0.474	-0.322	-0.266	-0.023 NA		0.119
A013060_01	NA	0.241	0.066	0.082	0.19	0.18	0.084	-0.062
A013531_01	NA	NA	0.271	0.038 NA		-0.009 NA	NA	
A013767_01	NA	-0.205	-0.208	-0.414	-0.05	-0.13	-0.43	-0.526
A013865_01	NA	-0.04	0.145	-0.078	0.178	0.281	0.164	0.073
A013881_01	NA	-0.189	-0.449	-0.684	-0.854	-0.717 NA		-0.364
A014044_01	NA	-0.074	0.208	0.089	0.249	0.415	0.414	0.29
A014689_01	NA	0.072	0.086	-0.078	0.137	0.05	0.046	0.043
A014744_01	NA	-0.555	-0.673	-0.718	0.305	0.69	-2.019	-1.729
A014791_01	NA	0.582	-0.616	-0.414	0.417	0.43	0.215	0.392
A014967_01	NA	0.231	-0.087	-0.081	-0.239	-0.433	-0.291	-0.214
A015087_01	NA	-0.101	-0.031	0.01 NA		-0.158	0.334	-0.159
A015212_01	NA	0.298	0.023	-0.077	-0.122	-0.09	-0.064	0.094
A015226_01	NA	-0.679	0.623	-0.643	0.994	0	0.578	-0.321
A015340_01	NA	0.134	0.156	0.132	-0.238	-0.197	0.005	0.104
A015551_01	NA	NA	NA	NA	-0.766	-0.812 NA	NA	
A015561_01	NA	0.111	0.185	-0.051	-0.44	-0.629	-0.07	0.121
A015575_01	NA	0.184	-0.438	-0.355	-0.905	-1.101	0.539	0.49
A016276_01	NA	-0.202	-0.192	-0.156	-0.157	-0.136	0.078	0.065
A016302_01	NA	-0.284	-0.191	-0.304	-0.224	-0.274	-0.131	-0.244
A016527_01	NA	NA	-0.302 NA		-0.127	0.1 NA	NA	
A017523_01	NA	0.027	0.425	0.352	-0.385	-0.327	-0.538	-0.357
A017547_01	NA	-0.242	-0.311	-0.352	1.085	1.386	0.345	0.143
A017927_01	NA	0.018	0.103	-0.006	-0.032	-0.113	-0.02	-0.095
A017943_01	NA	0.333	-0.059	0.12	0.133	0.191	0.057	0.035
A018485_01	NA	-0.099	0.133	-0.013	-0.184	-0.313	-0.298	-0.263
A018705_01	NA	0.049	0.116	-0.007	0.06	0.123	-0.046	-0.122
A018761_01	NA	-0.127	-0.131	-0.118	-0.368	-0.427	-0.163	-0.228
A018765_01	NA	-0.215	-0.001	0.07	-0.915	-0.843	-0.377	-0.416
A018790_01	NA	-0.197	-0.015	0.094	-0.388	-0.338	-0.104	-0.263
A018794_01	NA	-0.144	-0.021	-0.074	-0.136	-0.209	0.101	-0.246
A018861_01	NA	-0.035	0.117	-0.016	0.274	0.43	-0.134	-0.176
A018876_01	NA	0.251	0.148	0.083	-0.677	-0.639	-0.725	-0.276
A019001_01	NA	-0.362	-0.028	-0.259	-1.049	-1.414	-0.306	-0.448
A019031_01	NA	-0.439	-0.842	-0.543	0.218	0.683	-0.117	-0.09
A019042_01	NA	-0.127	-0.358	-0.336	0.137	0.242	0.22	0.16
A019054_01	NA	-0.096	-0.28	-0.196	-0.09	-0.023	0.333	0.039
A019079_01	NA	-0.261	-0.073	-0.128	0.884	1.052	0.669	0.55

A019084_01	NA	NA	-0.069	-0.523	0.092	-0.131	NA	-0.273	
A019125_01	NA	NA		0.131	0.008	-0.066	0.06	NA	-0.38
A019185_01	NA		-0.068	-0.112	-0.114	0.02	0.119	0.118	0.016
A019226_01	NA		0.064	0.084	-0.161	-0.132	-0.35	NA	-0.135
A019232_01	NA	NA		0.164	-0.177	-0.3	-0.581	0.266	0.162
A019280_01	NA		0.179	0.033	NA	0.002	0.301	0.135	NA
A019462_01	NA		-0.053	0.178	0.067	0.131	0.03	NA	NA
A019792_01	NA		0.213	0.127	0.119	0.375	0.577	-0.335	-0.106
A019986_01	NA		-0.101	0.126	-0.039	0.365	0.465	-0.121	-0.02
A019992_01	NA		-0.144	-0.235	-0.228	-0.015	0.014	0.309	0.462
A019996_01	NA		0.079	-0.099	-0.115	-0.1	-0.228	0.228	0.139
A020426_01	NA		-0.105	-0.17	-0.127	0.052	0.625	-0.126	0.067
A020775_01	NA		-0.054	0.264	0.134	0.08	0.065	0.009	-0.127
A020779_01	NA		0.523	0.615	0.603	0.801	1.036	-0.062	-0.204
A021737_01	NA		-0.069	NA		-0.516	-0.975	NA	-0.022
A022056_01	NA		0.049	0.163	-0.177	0.186	0.129	-0.037	-0.148
A022274_01	NA	NA		0.255	0.253	NA	-0.9	NA	-0.475
A023555_01	NA		-0.03	0.079	-0.215	-0.06	-0.535	0.449	0.149
A024044_01	NA		-0.14	-0.113	-0.341	-0.028	-0.098	0.305	0.207
A024170_01	NA		0.22	0.015	0.215	-0.142	-0.186	0.007	-0.107
A024467_01	NA		-0.225	0.095	0.063	0.598	0.899	0.116	0.448
A024543_01	NA		0.18	-0.063	0.323	0.312	0.491	0.358	0.121
A024776_01	NA		-0.103	0.002	-0.161	0.183	0.363	-0.032	-0.19
A025167_01	NA		0.318	0.038	-0.153	0.187	-0.066	0.325	0.259
A025902_01	NA		0.255	0.448	0.32	-0.175	-0.227	-0.227	-0.301
A026000_01	NA		0.065	-0.198	-0.194	0.174	0.138	0.464	0.186
A026032_01	NA		0.324	-0.054	0.186	0.139	0.195	-0.046	0.012
A000572_01	NA	NA		-0.165	0.161	NA	0.099	NA	0.333
A004818_01	NA	NA		0.076	0.38	NA	0.074	-0.174	0.007
A005988_01	NA	NA		-0.361	-0.201	NA	0.391	-0.067	0.168
A006161_01	NA		0.244	0.363	0.405	0.311	0.269	-0.041	-0.216
A007292_01	NA	NA		0.231	0.37	0.496	0.332	-0.074	-0.155
A007713_01	NA		-0.02	-0.045	-0.162	-0.57	-0.697	-0.041	0.016
A009463_01	NA		0.03	-0.247	-0.023	0.299	0.468	0.212	0.46
A011646_01	NA	NA		0.101	0.204	0.01	-0.021	0.174	0.003
A012457_01	NA		-0.069	0.215	0.098	0.373	0.19	NA	0.086
A012674_01	NA		-0.109	-0.744	-0.829	0.4	0.472	0.055	0.137
A016524_01	NA	NA		0.193	-0.014	NA	-0.42	0.053	NA
A017134_01	NA		0.219	0.322	0.075	0.137	0.072	0.048	-0.088
A018784_01	NA	NA		0.882	0.759	0.047	0.121	-0.118	-0.226
A019101_01	NA	NA		0.091	0.044	NA	0.094	-0.066	-0.088
A020277_01	NA	NA		0.016	0.147	NA	-0.31	0.1	0.059
A024469_01	NA	NA		0.494	0.382	-0.669	-0.563	-0.39	-0.367
A024824_01	NA	NA		0.034	0.012	0.229	0.216	-0.125	-0.45
A005098_01	NA	NA		-0.854	NA		0.511	NA	0.532

Oligo ID	10-11 DPA A	10-11 DPA A dye swap	10-11 DPA B	10-11 DPA B dye swap	12-14 DPA A	12-14 DPA A dye swap	12-14 DPA B	12-14 DPA B dye swap
A000001_01	-1.166	-0.945	0.341	0.299	0.514	0.434	0.51	0.507
A000002_01	-1.04	NA	0.101	0.334	-0.089	0.388	0.188	0.423
A000003_01	0.519	0.455	-0.297	0.242	-0.159	-0.065	NA	0.2
A000004_01	-0.612	-0.084	0.031	0.013	0.032	0.262	0.329	0.371
A000006_01	NA	NA	0.105	0.236	NA	NA	-0.476	-0.369
A000012_01	0.234	0.24	-0.124	0.106	0.057	0.14	0.269	0.327
A000013_01	NA	NA	0.456	0.709	0.038	NA	0.181	NA
A000016_01	-0.202	-0.167	-0.078	0.176	-0.472	-0.337	-0.508	-0.373
A000017_01	-1.127	-0.156	0.259	0.294	-0.134	0.089	0.043	0.077
A000020_01	0.278	0.249	-0.24	0.021	-0.009	0.137	0.014	0.158
A000021_01	-0.341	-0.077	0.224	0.285	-0.374	-0.052	-0.002	0
A000022_01	0.543	0.644	0.008	0.227	0.689	0.624	0.521	0.659
A000025_01	-0.594	-0.083	0.11	0.128	-0.029	-0.092	0.034	-0.08
A000026_01	NA	NA	0.085	0.224	NA	NA	-0.529	-0.362
A000027_01	0.103	NA	-0.13	0.129	-0.152	0.264	NA	NA
A000029_01	NA	-0.038	-0.783	NA	-0.437	NA	NA	NA
A000031_01	-0.676	-0.506	-1.34	-0.897	-1.379	-1.303	-1.531	-1.576
A000038_01	0.391	0.451	-0.214	0.06	-0.084	0.143	-0.309	-0.008
A000040_01	0.03	0.013	-0.519	-0.16	-0.336	-0.051	-0.291	-0.101
A000041_01	-0.249	-0.089	0.6	0.43	0.17	0.205	0.144	-0.045
A000042_01	NA	NA	-0.104	0.188	NA	NA	-0.262	NA
A000046_01	NA	NA	-0.158	0.256	-0.482	NA	-0.236	-0.008
A000047_01	0.576	0.637	-0.217	NA	0.495	0.742	0.638	1.072
A000051_01	0.616	0.556	-0.451	NA	0.003	0.441	NA	NA
A000052_01	NA	NA	0.142	0.616	-0.101	NA	NA	0.602
A000055_01	NA	NA	-0.071	0.253	NA	NA	-0.704	-0.399
A000056_01	0.493	0.317	-0.199	0.117	0.14	0.211	-0.001	0.012
A000058_01	NA	NA	-0.246	-0.066	NA	NA	NA	-0.321
A000061_01	-0.696	-0.07	0.926	0.9	0.009	0.27	0.158	0.122
A000063_01	0.275	0.793	0.238	0.232	0.279	0.581	0.198	0.353
A000064_01	0.043	-0.079	-0.702	NA	-1.127	-0.718	NA	NA
A000065_01	0.846	0.656	-0.028	0.153	0.617	0.576	0.387	0.665
A000067_01	0.905	1.097	-0.311	NA	0.622	0.968	0.571	0.889
A000069_01	0.716	0.644	NA	NA	-0.042	0.287	NA	0.627
A000073_01	NA	-0.867	-0.25	0.034	-0.377	-0.132	-0.225	0.063
A000074_01	NA	0.483	0.059	0.272	NA	0.54	-0.073	0.072
A000077_01	0.289	0.027	-0.685	NA	-0.287	NA	NA	NA
A000080_01	0.026	0.048	-0.694	NA	-0.474	-0.326	-0.393	NA
A000084_01	0.539	0.22	-0.508	NA	-0.156	0.02	-0.075	NA
A000088_01	-0.026	0.007	-0.353	-0.113	-0.071	0.084	0.036	0.122
A000091_01	0.133	0.171	-0.161	-0.069	0.302	0.157	0.233	0.142
A000095_01	0.797	0.866	0.299	0.512	-0.212	NA	NA	NA
A000098_01	0.419	0.276	0.53	0.59	0.509	0.877	0.024	0.261
A000107_01	0.944	0.82	-0.428	0.097	-0.289	-0.263	0.023	0.225
A000111_01	0.349	0.438	0.052	0.152	0.102	0.427	0.088	0.22
A000113_01	0.088	0.213	-0.62	-0.328	-0.376	-0.194	-0.246	0.132
A000115_01	0.254	-0.014	0.07	-0.058	-0.437	-0.212	-0.253	-0.483
A000120_01	-0.367	-0.117	NA	NA	-0.909	NA	NA	NA
A000123_01	NA	NA	-0.93	NA	NA	NA	NA	NA
A000124_01	0.441	0.741	-0.253	-0.133	-0.026	0.427	0.307	0.505
A000134_01	0.88	0.571	-1.327	-0.881	0.516	0.442	-0.114	-0.042
A000138_01	-0.367	-0.147	-0.169	-0.151	-0.347	-0.187	-0.196	-0.221
A000146_01	-1.231	-1.119	-1.036	NA	-1.207	-0.914	NA	NA
A000150_01	0.488	0.373	-0.119	0.114	0.13	0.083	-0.094	0.074
A000157_01	-0.263	-0.053	-0.86	-0.37	-0.613	-0.044	-1.027	-0.871
A000169_01	0.235	0.447	-0.519	-0.101	0.036	0.512	0.183	0.538
A000173_01	0.33	0.427	-0.001	0.353	0.048	0.273	-0.005	0.148
A000179_01	0.094	0.358	-0.328	0.216	-0.246	0.196	-0.138	0.107

A000185_01		-0.194	0.59	-0.271	NA	0.032	0.601	0.253	0.554
A000187_01		0.611	1.22	-0.251	0.375	-0.305	0.961	-0.067	0.893
A000198_01	NA		NA	-0.192	0.265	0.064	0.487	0.592	0.744
A000202_01	NA		NA	0.371	0.229	-0.342	NA	-0.128	-0.201
A000220_01		0.27	0.45	-0.269	-0.138	0.965	1.323	0.586	1.082
A000223_01		-0.679	-0.508	0.505	0.538	-0.445	-0.011	-0.287	-0.307
A000226_01		1.191	0.89	-0.222	-0.001	0.879	0.88	0.317	0.446
A000233_01	NA		NA	-0.794	NA	NA	NA	NA	NA
A000239_01	NA		NA	-0.033	0.189	-0.197	0.478	0.031	0.26
A000248_01		0.169	0.548	0.264	0.329	0.879	0.736	0.915	0.862
A000253_01		-1.312	-0.567	-0.606	-0.432	-0.792	-0.49	-0.614	-0.713
A000259_01		0.181	-0.158	-0.8	-0.618	-0.383	-0.378	-0.128	0.056
A000260_01		0.231	0.398	0.632	0.492	0.104	0.234	-0.028	-0.151
A000261_01		0.206	0.289	-0.392	-0.134	-0.129	0.226	0	0.154
A000263_01	NA		0.672	-0.318	0.153	NA	0.02	NA	NA
A000268_01		0.143	0.149	-0.303	-0.206	0.228	0.245	0.036	0.149
A000269_01		-0.211	0.096	0.032	0.237	-0.162	0.183	-0.073	0.101
A000270_01		-0.044	NA	0.071	0.334	-0.206	NA		0.353
A000297_01	NA		NA	0.171	0.436	0.478	0.796	0.183	0.232
A000301_01		1.075	1.172	0.328	0.506	0.633	0.926	0.36	0.642
A000302_01		0.519	0.398	-0.143	NA	-0.064	NA	NA	
A000303_01		-0.944	NA	0.152	0.274	-0.292	0.066	-0.07	-0.028
A000305_01		0.009	0.168	0.275	0.308	0.007	0.173	0.073	0.126
A000319_01		-1.815	-1.523	-1.156	-0.762	-0.623	-0.368	-0.648	-0.631
A000321_01	NA		NA	-0.921	NA	-0.533	NA	NA	NA
A000322_01		-0.113	-0.114	-0.582	-0.264	-0.437	-0.267	-0.064	0.063
A000324_01	NA		NA	-0.913	NA	NA	NA	NA	NA
A000325_01	NA		0.593	0.537	0.674	NA	0.433	0.106	0.582
A000326_01		-0.163	-0.09	-0.052	0.462	-0.328	-0.052	-0.107	0.024
A000329_01		-0.334	-0.131	-0.546	-0.063	0.861	0.652	0.808	0.896
A000336_01		0.198	0.378	0.149	0.265	-0.071	0.024	-0.126	-0.172
A000337_01		-0.48	-0.221	-0.124	0.208	-0.533	0.059	-0.304	-0.03
A000340_01		0.392	0.544	-0.484	0.115	-0.268	0.267	-0.151	0.425
A000348_01		-0.5	-0.72	-0.936	-0.349	-0.633	-0.423	0.071	0.613
A000351_01		-0.258	-0.107	-0.267	-0.026	0.132	0.163	-0.206	0.021
A000352_01		-0.649	-0.726	NA	NA	-1.259	-1.015	NA	NA
A000353_01		-1.304	-0.983	0.507	0.423	0.017	0.193	0.276	0.386
A000355_01	NA		NA	-0.204	NA	-0.487	NA	NA	NA
A000358_01		0.073	-0.205	-0.769	-0.444	-0.68	-0.509	-0.532	-0.182
A000364_01		-0.536	NA	0.292	0.355	-0.291	NA	-0.156	-0.059
A000365_01		0.344	NA	-0.033	0.404	-0.065	NA	NA	NA
A000368_01		0.203	0.168	-0.121	NA	0.179	0.225	NA	0.315
A000371_01		-0.043	-0.045	-0.101	-0.033	-0.472	-0.289	-0.121	-0.226
A000373_01		0.234	0.135	-0.164	0.207	-0.053	0.21	-0.254	NA
A000377_01		0.011	0.258	-0.031	0.004	0.509	0.461	0.701	0.646
A000382_01	NA		NA	0.395	0.673	-0.386	NA	0.521	0.796
A000384_01	NA		NA	0.1	NA	NA	NA	NA	NA
A000389_01		1.552	1.159	0.231	0.509	-0.091	0.035	NA	NA
A000396_01		0.306	0.44	-0.146	0.179	-0.202	0.356	0.133	0.436
A000402_01	NA		0.46	-0.668	NA	0.899	1.138	NA	NA
A000406_01		-0.31	-0.369	-0.665	-0.331	-1.619	-1.177	-0.659	-0.418
A000410_01		0.475	0.386	0.223	0.426	0.284	0.665	0.114	0.399
A000412_01		-0.113	0.329	-0.035	0.355	0.115	0.455	NA	NA
A000419_01		0.563	0.566	0.092	0.241	0.06	0.264	0.371	0.458
A000420_01		0.259	0.538	0.195	0.219	0.201	0.645	0.28	NA
A000423_01	NA		0.569	-0.108	NA	0.368	0.986	NA	0.681
A000426_01		-0.117	0.339	0.077	0.265	NA	0.446	0.043	0.174
A000454_01		0.144	0.378	0.307	0.376	0.521	0.487	0.024	0.151
A000455_01	NA		NA	-0.22	0.06	NA	0.513	NA	NA
A000462_01	NA		NA	0.4	0.447	NA	NA	-0.466	-0.496
A000471_01	NA		NA	-0.194	0.076	NA	NA	-0.295	-0.039
A000473_01		-0.882	-0.707	-0.56	-0.368	-0.727	-0.75	-0.715	-0.563
A000478_01	NA		NA	-0.315	0.029	NA	NA	-0.442	-0.379
A000479_01	NA		0.224	0.004	0.285	0.149	NA	0.033	0.204
A000489_01		0.571	0.6	-0.068	0.035	0.551	0.478	0.757	0.635
A000500_01		0.669	0.875	-0.096	0.365	NA	0.683	0.141	0.583
A000511_01		-0.088	NA	-0.645	-0.292	-0.849	NA	-0.532	-0.253
A000517_01		-0.224	0.205	-0.029	0.107	0.251	0.415	0.231	0.303

A000519_01		-1.223	-0.685	0.377	0.299	-0.208	0.096	-0.198	-0.269
A000523_01		0.597	0.468	-0.736	-0.258	0.22	0.423	0.439	0.761
A000525_01		-0.083	0.367	0.205	0.522	0.525	0.712	0.871	0.815
A000526_01		0.399	0.606	-0.008	0.328	0.31	0.67	0	0.462
A000533_01		0.23	0.067	-0.442	-0.352	-0.088	-0.058	-0.003	0.042
A000534_01		0.016	0.178	0.118	0.212	-0.511	-0.61	-0.423	-0.273
A000543_01		-0.378	-0.115	0.316	0.355	-0.588	-0.473	-0.633	-0.576
A000548_01		-0.469	-0.189	-1.091	-0.643	-1.022	-0.655	-1.129	-1.2
A000553_01		-0.418	NA	-0.362	-0.169	-0.844	-0.47	-0.28	-0.164
A000555_01	NA		NA	-0.814	-0.143	NA	0.263	-0.469	-0.364
A000559_01		-0.22	0.202	-0.203	0.069	-0.231	0.041	0.127	0.326
A000567_01		0.155	0.255	0.384	0.126	0.611	0.483	0.627	0.4
A000568_01		-0.076	-0.268	-0.382	-0.205	0.405	0.453	0.057	0.317
A000577_01		0.354	0.479	0.383	0.458	-0.164	-0.09	-0.332	-0.227
A000579_01		1.164	1.169	-0.416	-0.178	-0.504	-0.366	-0.829	-0.637
A000582_01		0.532	0.602	0.463	0.551	0.225	0.294	0.04	0.217
A000589_01		-0.125	0.016	-0.216	0.015	-0.386	-0.005	-0.318	-0.241
A000590_01		0.263	0.357	-0.388	-0.027	-0.515	NA	-0.41	-0.131
A000592_01		0.337	0.646	0.107	0.134	0.942	0.776	0.758	0.728
A000600_01		0.265	0.151	-0.82	-0.573	-0.752	-0.495	-0.079	0.125
A000608_01		0.08	0.299	0.102	0.382	0.496	0.434	0.023	0.247
A000610_01	NA		NA	0.063	0.056	NA	NA	-0.021	-0.089
A000612_01		0.191	0.257	0.224	0.317	0.343	0.557	0.138	0.359
A000613_01	NA		0.816	-0.235	0.25	0.518	0.723	0.215	0.543
A000618_01	NA		NA	-0.152	-0.037	NA	NA	-0.357	-0.353
A000619_01		0.965	1.24	0.572	0.667	0.624	0.974	1.137	1.303
A000622_01		0.45	0.455	-0.019	0.202	0.108	0.13	0.12	0.105
A000629_01		0.16	0.24	-0.634	-0.328	0.309	0.109	0.382	0.402
A000633_01		-0.297	-0.057	-0.092	0.096	0.166	0.061	0.031	0.019
A000637_01	NA		NA	-0.258	NA	-0.316	NA	0.017	0.26
A000638_01	NA		NA	-0.493	-0.231	NA	NA	-0.091	-0.052
A000639_01		-0.272	-0.003	0.614	0.639	0.098	0.151	-0.039	-0.007
A000643_01		-0.027	0.356	0.068	0.232	0.095	0.257	0.26	0.106
A000645_01		-0.651	-0.539	-0.508	-0.339	-0.629	-0.272	-0.085	0.073
A000649_01		0.036	0.436	0.006	0.107	-0.006	0.37	0.271	0.259
A000650_01		0.356	0.451	-0.178	-0.019	0.307	0.442	0.088	0.31
A000652_01		0.013	0.193	0.154	0.158	-0.203	-0.02	-0.34	-0.433
A000653_01		0.677	0.63	0.02	0.228	0.207	0.619	0.256	0.435
A000657_01		0.182	0.316	-0.375	-0.13	-0.341	-0.174	-0.489	-0.188
A000665_01		-0.054	0.194	-0.008	0.067	0.035	0.386	0.091	0.282
A000668_01		0.141	0.036	0.093	0.328	0.301	0.725	0.805	0.896
A000677_01	NA		NA	-0.4	NA	-0.217	NA	-0.076	NA
A000684_01		0.089	0.607	0.31	0.869	0.269	0.868	NA	NA
A000685_01	NA		NA	-0.002	0.194	NA	0.433	0.048	0.214
A000687_01	NA		NA	-0.796	NA		0.027	NA	0.579
A000692_01		-0.6	-0.167	0.158	0.243	0.095	0.274	0.166	0.153
A000696_01		1.179	1.008	0.236	0.449	0.791	0.903	0.499	0.818
A000697_01		-0.483	NA	NA	NA	-0.682	-0.372	NA	NA
A000700_01		-0.453	0.088	0.473	0.519	0.414	0.408	0.164	0.279
A000701_01		-0.577	0.12	0.38	0.342	-0.047	0.173	0.18	0.004
A000710_01		0.437	0.459	-0.755	-0.325	-0.017	0.166	0.218	0.686
A000711_01		-0.178	0.226	0.025	0.19	-0.127	NA	-0.209	-0.112
A000722_01		0.02	0.16	0.281	0.408	0.313	0.555	0.32	0.444
A000727_01		0.239	0.283	-0.158	0.067	0.14	0.212	-0.117	0.042
A000731_01	NA		NA	0.388	0.481	NA	0.858	0.3	0.387
A000742_01		-1.088	-0.594	-0.164	-0.058	-0.867	NA	-0.548	-0.493
A000755_01		-0.024	0.383	0.168	0.237	0.431	0.512	0.748	0.85
A000757_01	NA		NA	0.036	0.325	-0.042	0.525	0.17	0.907
A000759_01	NA		NA	0	0.222	-0.364	NA	-0.019	0.052
A000764_01	NA		0.238	-0.927	-0.205	NA	NA	-0.788	-0.324
A000770_01		-0.751	-0.647	-0.029	0.033	-0.548	-0.142	-0.397	-0.128
A000775_01		0.561	0.27	-0.005	0.121	-0.027	0.043	0.128	0.214
A000781_01		0.94	0.562	-0.153	0.303	0.253	0.369	0.29	0.443
A000782_01		-0.011	-0.001	NA	NA	-0.183	-0.018	NA	NA
A000794_01		0.431	0.237	-0.516	NA	-0.479	NA	NA	NA
A000795_01		-0.476	0.016	-0.445	-0.259	-0.048	0.301	-0.109	0.095
A000801_01		-0.957	-0.61	0.208	0.266	-0.014	0.086	0.024	0.062
A000802_01		0.537	0.422	-0.364	0.167	-0.271	-0.142	-0.218	0.352

A000803_01		-0.063	0.18	0.054	0.177	0.086	0.361	0.041	0.199
A000807_01	NA	NA		-0.583	NA	-0.232	NA	NA	
A000808_01		0.623	0.523	0.068	0.312	-0.209	NA	-0.038	0.138
A000814_01		-0.758	-0.403	0.288	0.39	-0.448	-0.108	-0.291	-0.015
A000827_01		0.202	0.182	0.606	0.551	0.871	0.67	0.51	0.626
A000828_01		-0.369	0.224	0.673	0.645	0.432	0.561	0.221	0.406
A000835_01		0.077	-0.006	-0.345	0.087	-0.253	0.006	-0.427	-0.178
A000842_01		-0.655	NA	0.31	0.543	-0.247	NA	NA	0.282
A000851_01		-0.835	NA	-0.499	-0.125	NA		-0.782	-0.461
A000853_01		-0.076	0.142	0.352	NA	0.155	0.092	0.179	-0.062
A000856_01		0.295	0.266	0.402	0.416	0.529	0.37	0.211	0.375
A000875_01		-0.007	NA	-0.254	0.206	0.223	0.364	0.155	0.362
A000880_01		0.781	1.015	0.205	NA	0.413	0.777	NA	0.97
A000888_01		0.258	0.009	-0.011	0.102	NA	-0.906	-0.674	-0.455
A000897_01	NA	NA		-0.713	NA	NA		-0.422	NA
A000903_01	NA	NA		-0.12	0.313	0.144	0.984	0.324	0.799
A000910_01	NA		0.451	-0.144	NA	NA	NA		0.246
A000919_01	NA	NA		-0.148	0.092	-0.119	NA	-0.306	-0.048
A000922_01		0.506	0.225	-0.526	0.06	-0.447	-0.389	-0.547	-0.131
A000936_01		0.512	0.36	-0.049	0.171	0.532	0.532	0.317	0.439
A000937_01		-0.013	0.269	0.102	0.225	0.364	0.49	0.128	0.226
A000941_01	NA	NA		0.4	0.201	-0.017	0.352	0.246	0.033
A000945_01	NA	NA		0.111	0.33	NA		-0.794	NA
A000953_01		0.092	0.008	-0.184	-0.092	0.111	0.138	-0.237	0.007
A000960_01	NA	NA		-0.108	0.017	-0.075	NA	NA	
A000962_01		-0.265	-0.116	-0.202	-0.159	-0.294	-0.235	-0.052	-0.032
A000970_01		-0.118	-0.147	-0.496	-0.269	-0.385	-0.437	-0.387	-0.292
A000974_01		0.053	0.596	-0.139	0.154	0.003	NA	-0.283	-0.09
A000984_01		0.42	0.323	-0.367	-0.165	0.007	0.109	-0.155	0.105
A000987_01		-0.234	-0.123	-0.224	0.462	0.107	0.204	NA	NA
A000988_01		-0.456	-0.148	-0.194	-0.059	-0.51	-0.374	-0.587	-0.459
A000992_01		-0.801	-0.466	-0.691	-0.342	-0.775	-0.373	-0.376	-0.212
A000997_01		-0.509	-0.201	0.373	0.296	0.116	0.214	0.078	0.156
A001006_01		-0.165	NA	-0.499	NA	-0.309	NA	NA	NA
A001007_01		-0.068	0.296	-0.373	NA	0.244	0.351	NA	0.453
A001011_01		0.961	0.691	-0.381	0.195	0.059	0.437	0.168	0.74
A001012_01		0.197	0.043	-1.073	-0.66	-0.603	-0.523	-0.292	-0.394
A001017_01	NA	NA		0.506	0.481	-0.314	0.134	-0.026	-0.092
A001019_01		-0.004	0.019	-0.236	0.041	-0.379	-0.446	-0.421	-0.383
A001023_01		0.771	0.682	0.104	0.304	0.715	0.823	0.344	0.605
A001029_01	NA	NA		0.253	0.419	NA	NA	-0.354	-0.33
A001031_01		0.41	0.399	-0.346	0.064	0.133	0.192	0.203	0.401
A001032_01		0.286	0.324	-0.126	-0.046	-0.257	-0.179	-0.349	-0.276
A001034_01		-0.766	NA	0.126	0.098	-0.031	0.044	0.186	0.125
A001035_01		-0.187	0.195	0.046	0.175	0.195	0.326	0.228	0.249
A001036_01		-0.454	-0.031	0.681	0.7	0.167	0.128	0.189	0.239
A001041_01		-0.412	0.105	0.115	0.217	-0.645	-0.058	0.13	0.107
A001042_01	NA	NA		-0.512	NA	NA	NA	-0.677	NA
A001043_01		-0.504	NA	-0.046	0.281	-0.256	0.013	-0.004	0.084
A001044_01		-0.71	-0.57	NA	NA	-1.186	NA	NA	NA
A001045_01		0.107	0.221	0.106	0.303	0.057	0.143	0.124	0.193
A001048_01		-0.519	-0.245	0.238	0.348	0.021	0.067	0.124	0.189
A001052_01		-0.562	-0.532	-0.719	-0.619	-0.614	-0.505	-0.463	-0.662
A001053_01		0.486	0.383	0.281	0.414	0.448	0.527	0.295	0.269
A001056_01		0.368	0.28	-0.142	0.043	-0.174	0.097	0.265	0.524
A001059_01		-0.882	NA	-0.409	-0.145	-0.477	NA	-0.281	-0.018
A001071_01	NA	NA		-0.137	0.227	0.252	0.562	NA	0.426
A001077_01	NA	NA		0.137	0.204	NA	NA	-0.458	-0.261
A001082_01		-0.512	NA	0.365	0.377	0.283	0.244	-0.202	0.026
A001086_01		0.167	0.356	0.435	0.305	0.844	0.57	0.437	0.407
A001087_01	NA	NA		0.395	0.555	0.671	0.966	0.284	0.447
A001088_01		-0.087	NA	-0.337	-0.101	-0.141	0.074	-0.143	0.023
A001089_01	NA	NA		0.099	0.4	NA	NA	-0.05	0.225
A001090_01		-0.437	-0.259	-0.083	0.232	-0.499	-0.31	-0.35	-0.111
A001091_01		0.282	0.378	0.157	0.084	-0.155	-0.003	0.173	0.089
A001092_01		-0.871	-0.397	0.548	0.621	NA	0.082	-0.138	0.069
A001093_01		-0.973	-0.359	-0.283	0.034		0.598	0.697	0.961
A001095_01		-0.957	-0.088	0.134	0.247	-0.197	0.027	0.504	0.403

A001098_01	-0.393	-0.448	-1.509	-0.73	-1.037	-1.088	NA		-0.724
A001099_01	1.513	1.111	-1.35	NA	-0.624	-0.892	NA	NA	
A001100_01	0.123	0.27	-0.413	-0.148	-0.194	-0.011	0.153	0.236	
A001102_01	-0.361	-0.289	-0.833	-0.503	-0.515	-0.488	-0.85	-0.603	
A001103_01	0.511	0.574	-1.599	-0.96	0.768	0.722	0.923	0.947	
A001105_01	NA	NA	-0.242	-0.092	0.181	0.368	0.023	0.061	
A001106_01	-0.241	NA	-0.127	-0.189	-0.174	NA	-0.067	-0.17	
A001107_01	-1.012	-0.321	-0.174	-0.076	-0.617	-0.156	-0.096	0.136	
A001113_01	0.555	0.429	0.074	0.069	0.359	0.381	0.168	0.239	
A001115_01	0.996	1.042	0.073	0.109	0.149	0.235	0.284	0.243	
A001121_01	-0.323	-0.213	0.047	0.283	0.154	0.233	-0.124	0.036	
A001122_01	0.043	0.246	0.043	0.391	0.064	NA	NA	0.184	
A001126_01	-0.61	NA	0.277	0.415	-0.191	0.044	-0.111	-0.196	
A001127_01	-0.133	-0.081	-0.266	-0.171	-0.027	0.181	0.379	0.496	
A001128_01	0.726	0.324	-0.357	-0.081	-0.69	-0.454	-0.468	-0.443	
A001129_01	0.626	0.403	-0.799	-0.457	0.932	0.391	0.494	0.405	
A001131_01	0.631	0.426	-0.148	0.077	0.115	0.289	0.067	0.417	
A001134_01	0.269	0.245	-0.471	NA	0.119	0.204	0.236	0.503	
A001135_01	-1.931	-1.866	-1.46	-0.943	-1.961	-1.449	-1.617	-1.396	
A001136_01	-0.135	0.092	0.233	0.399	0.22	0.579	0.391	0.594	
A001137_01	NA	NA	-0.578	NA	NA	NA	-0.239	NA	
A001138_01	-0.418	-0.17	-0.377	-0.184	-0.214	-0.034	-0.107	-0.035	
A001140_01	0.141	0.287	0.044	0.28	-0.237	-0.116	0.141	0.181	
A001141_01	NA	NA	-0.148	0.081	-1.121	NA	-0.422	-0.249	
A001142_01	NA	-0.025	0.594	0.529	0.557	0.694	0.248	0.208	
A001144_01	-3.102	-3.822	-5.188	-3.198	-3.355	-2.273	-3.034	-3.236	
A001146_01	-0.717	-0.536	-0.44	-0.154	-0.858	-0.645	-0.326	-0.221	
A001147_01	0.367	0.45	0.374	0.31	0.387	0.282	0.081	-0.01	
A001153_01	-0.359	0.317	-0.134	0.034	-0.281	0.111	-0.161	-0.055	
A001154_01	0.215	0.305	0.533	0.579	0.426	0.41	0.187	0.213	
A001155_01	-0.749	-0.512	-1.812	-1.286	0.082	0.375	0.065	0.069	
A001159_01	0.56	0.798	0.075	0.423	-0.157	0.195	-0.506	-0.3	
A001163_01	-1.313	-0.555	-0.066	0.335	-0.783	-0.339	-0.426	-0.026	
A001165_01	-0.296	-0.418	-1.433	-0.781	-1.005	-0.88	-1.121	-0.878	
A001166_01	-1.014	-0.559	-0.94	-0.108	NA	-0.531	-0.245	NA	
A001169_01	-0.419	-0.36	0.35	0.434	-0.064	NA	NA	-0.176	
A001180_01	-0.495	0.189	0.237	0.343	0.344	0.429	0.19	0.414	
A001181_01	0.528	0.579	-0.207	NA	0.128	0.124	NA	0.396	
A001184_01	-0.348	-0.231	0.306	0.34	-0.183	-0.051	-0.329	-0.237	
A001186_01	-0.808	-0.325	-0.305	-0.062	-1.17	-0.745	-0.645	-0.462	
A001187_01	NA	NA	-0.072	0.347	-0.523	NA	-0.406	-0.191	
A001188_01	-0.152	0.464	0.085	0.118	0.527	0.425	0.761	0.776	
A001189_01	-1.411	-0.693	-0.33	-0.144	0.138	0.266	0.124	0.315	
A001190_01	-0.086	0.051	-0.19	0.131	-0.227	-0.601	-0.33	0.014	
A001197_01	NA	NA	0.024	0.109	NA	0.485	0.422	0.549	
A001199_01	0.843	0.658	-0.084	0.153	0.438	0.467	0.263	0.355	
A001207_01	-0.533	-0.171	0.242	0.456	-0.379	-0.138	-0.477	-0.456	
A001209_01	NA	-0.501	-0.174	-0.049	-0.143	0.207	0.002	0.06	
A001210_01	NA	-0.363	-0.115	0.105	-0.407	NA	-0.364	-0.106	
A001211_01	-0.206	0.026	0.048	0.087	0.146	0.271	0.16	0.244	
A001212_01	-1.24	-0.497	0.106	0.348	-0.757	-0.194	-0.16	-0.056	
A001215_01	-1.264	-0.711	-0.04	0.121	0.418	0.61	0.247	0.253	
A001216_01	0.978	0.695	0.116	0.251	1.17	1.157	1.044	1.059	
A001217_01	-0.461	0.107	-0.549	-0.253	-0.361	0.266	-0.007	0.4	
A001218_01	NA	0.521	0.062	0.298	-0.112	0.228	0.049	0.409	
A001219_01	0.624	0.683	0.044	0.428	NA	0.637	NA	0.607	
A001222_01	0.744	0.734	-0.547	-0.241	NA	0.204	-0.262	-0.139	
A001223_01	NA	-0.878	0.14	0.192	-0.753	NA	-0.481	-0.304	
A001227_01	-0.27	0.176	-0.042	0.207	0.351	0.68	0.171	0.316	
A001229_01	-0.879	NA	-0.099	-0.103	-0.426	NA	-0.171	-0.499	
A001230_01	NA	NA	-0.152	0.168	-0.018	NA	-0.242	NA	
A001231_01	-0.493	-0.395	-0.553	-0.049	-0.786	-0.378	-0.192	-0.086	
A001232_01	NA	NA	-0.346	NA	NA	NA	-0.198	NA	
A001234_01	0.409	0.322	0.28	0.385	0.38	0.563	-0.008	0.25	
A001235_01	-1.262	-0.981	-0.443	-0.139	-1.155	-0.967	-0.511	-0.585	
A001237_01	0.51	0.486	0.072	0.212	0.233	0.277	0.262	0.35	
A001240_01	0.386	0.285	-0.122	0.32	-0.077	0.291	NA	0.51	
A001241_01	NA	NA	-0.976	NA	NA	NA	-1.091	NA	

A001242_01		-4.167	-3.974	-5.952	-4.107	-4.53	-2.803	-3.482	-3.905
A001244_01	NA		-0.147	-0.177	0.05	NA	0.054	0.003	0.132
A001245_01	NA	NA		0.477	0.539	NA		-0.189	-0.167
A001246_01	NA		-0.655	-0.039	0.21	0.123	0.116	-0.039	-0.027
A001247_01		-1.338	-0.592	-0.381	-0.25	-0.437	-0.029	0.1	0.205
A001248_01		-0.006	0.339	0.068	-0.104	-0.064	-0.237	-0.274	-0.333
A001250_01		0.098	-0.085	-0.059	0.274	-0.681	-0.35	-0.511	0.083
A001251_01		0.603	0.49	-0.149	0.03	0.152	0.312	0.004	0.256
A001254_01		-0.097	-0.143	-0.016	0.114	-0.139	0.045	-0.028	0.2
A001255_01		0.516	0.498	0.045	0.359	0.051	0.269	0.13	0.163
A001257_01		0.569	0.666	-0.25	NA	0.386	0.585	0.522	0.551
A001260_01	NA		NA	-0.19	0.076	NA		-0.473	-0.213
A001261_01		-1.009	-0.289	-0.381	-0.309	1.43	1.089	1.327	1.236
A001263_01		1.054	0.84	0.115	NA	0.71	0.782	NA	0.779
A001273_01		0.573	0.489	0.228	0.366	0.599	0.523	0.396	0.499
A001281_01		-0.421	-0.209	0.251	0.21	-0.312	-0.202	-0.082	-0.05
A001283_01		0.258	0.078	-0.379	-0.34	0.107	0.137	0.069	0.046
A001284_01		-0.474	0.598	NA	0.036	-0.485	0.646	0.316	0.543
A001285_01		0.052	0.384	0.005	0.107	0.759	0.745	0.443	0.587
A001289_01		-0.246	-0.193	-0.326	0.038	-0.886	-0.596	-0.422	0.03
A001291_01	NA		NA	-0.404	-0.151	NA		-0.485	-0.445
A001293_01		0.577	0.264	-0.408	-0.178	0.101	-0.173	-0.163	-0.277
A001296_01		0.257	0.298	0.042	0.252	-0.196	0.045	-0.071	0.211
A001297_01		0.278	0.147	0.011	-0.015	-0.271	-0.214	-0.159	-0.188
A001298_01	NA		0.446	-0.109	0.08	NA		-0.214	-0.196
A001299_01		0.429	0.526	-0.211	-0.204	0.594	0.846	1.238	1.631
A001302_01		0.091	-0.239	-1.135	-0.84	-0.721	-0.78	-1.042	-0.97
A001303_01		-0.272	0.11	0.175	0.255	0.754	0.745	0.502	0.58
A001306_01		0.566	0.494	0.117	0.337	0.581	0.591	0.381	0.475
A001308_01		0.628	0.429	0.129	0.237	0.05	0.284	0.151	0.271
A001309_01		0.457	0.312	-0.219	-0.026	0.534	0.421	0.602	0.482
A001311_01		-0.812	-0.611	0.088	0.022	-0.718	-0.457	-0.29	-0.447
A001317_01		0.617	0.317	-0.123	0.221	0.235	NA	NA	0.232
A001318_01		-0.066	0.488	-1.338	-0.981	-1.096	-0.524	-0.428	-0.56
A001324_01		-0.663	-0.207	0.211	0.357	0.024	0.237	0.297	0.284
A001325_01		0.573	0.338	-0.321	0.068	0.166	0.131	0.084	0.314
A001326_01		-0.39	-0.159	-0.237	-0.026	-0.398	-0.353	-0.263	-0.164
A001329_01		-0.571	-0.17	0.04	-0.016	-1.028	-0.128	-0.095	-0.13
A001331_01	NA		NA	0.353	0.468	NA	NA	-0.315	-0.211
A001332_01		-0.132	-0.105	0.371	0.366	-0.374	-0.299	-0.191	-0.312
A001333_01		0.693	0.684	0.014	0.103	0.373	0.266	0.287	0.296
A001334_01		-0.304	-0.162	0.151	0.117	-0.209	-0.06	0.06	-0.004
A001339_01		0.185	0.309	0.76	0.587	0.888	0.693	0.385	0.253
A001340_01		-1.683	-1.309	-0.481	-0.24	-1.38	-0.966	-0.781	-0.642
A001345_01		-0.542	-0.19	0.086	0.069	0.092	-0.02	-0.162	-0.218
A001347_01		-0.017	-0.014	-0.5	NA	0.066	NA	NA	NA
A001348_01		-0.151	-0.315	-0.136	-0.166	-0.332	-0.223	-0.29	-0.393
A001350_01		0.143	0.139	-0.61	-0.466	0.17	0.229	0.116	0.186
A001351_01		0.243	0.164	-0.444	-0.13	-0.069	0.012	-0.532	-0.319
A001352_01		0.69	0.818	-0.185	NA	-0.664	NA	NA	NA
A001353_01		0.745	0.341	-0.057	0.261	0.113	NA	0.147	0.125
A001355_01		-2.092	-2.837	-2.588	-2.24	-2.305	-2.096	-1.92	-2.24
A001356_01		0.084	0.004	0.487	0.337	0.04	0.112	0.133	0.108
A001357_01		-0.193	-0.267	-0.39	-0.224	0.285	0.302	0.238	0.159
A001358_01	NA		NA	-0.37	-0.37	NA		-0.448	-0.792
A001360_01		0.296	0.051	-0.004	0.244	-0.942	-0.767	-0.442	-0.2
A001363_01		-0.278	-0.163	0.25	0.303	-0.379	-0.131	-0.05	0.072
A001369_01	NA		-0.817	-0.824	-0.536	NA	-1.08	-1.151	-0.959
A001374_01		-2.758	-3.466	NA	-2.839	-2.571	-2.226	-2.296	-2.705
A001375_01		-0.424	-0.268	0.355	0.313	0.517	0.557	0.675	0.564
A001376_01	NA		-1.14	0.096	0.067	-0.576	-0.324	-0.079	-0.09
A001378_01		-0.017	0.22	-0.061	0.083	0.297	0.327	0.162	0.16
A001380_01		-0.804	-0.936	-1.062	-0.62	-1.142	-1.157	-0.897	-0.741
A001387_01	NA		NA	-1.499	-0.973	NA		-1.28	-1.276
A001389_01		0.133	0.375	-0.219	-0.163	0.326	0.513	0.319	0.194
A001390_01		0.394	0.39	0.152	0.397	0.454	0.362	0.003	0.251
A001392_01		0.492	0.704	0.161	0.358	0.408	0.934	0.24	0.606
A001396_01	NA		NA	-0.547	-0.429	NA		-0.333	-0.431

A001399_01		-0.106	-0.129	-0.234	-0.217	-0.033	-0.058	0.37	0.199
A001400_01		-0.049	0.012	0.129	0.009	0.108	0.136	-0.031	-0.15
A001401_01	NA		-0.315	0.279	0.195	-0.237	NA	-0.203	-0.299
A001409_01		0.214	0.173	-0.072	0.091	-0.833	-0.761	-0.488	-0.2
A001410_01	NA	NA		-0.066	0.31	NA	0.533	0.025	0.412
A001411_01		-0.294	-0.214	-0.713	-0.476	-0.215	-0.21	0.22	0.115
A001412_01		0.032	0.156	0.064	0.14	-0.037	-0.046	0.102	0.101
A001417_01	NA	NA		-0.12	NA	-0.197	NA	0.299	NA
A001418_01		-0.59	NA	0.033	0.056	-0.4	NA	-0.494	-0.543
A001420_01		-0.125	-0.33	-0.802	NA	-0.97	-0.761	-0.208	0.116
A001421_01		-1.482	-0.531	-0.027	0.142	-0.82	-0.28	0.15	0.244
A001426_01		-1.168	-0.548	0.279	0.299	-0.046	0.141	0.187	0.179
A001428_01		-0.133	0.303	-0.139	0.079	0.162	0.068	0.159	0.385
A001429_01	NA	NA		-2.072	-1.489	NA		-0.988	-1.343
A001432_01	NA	NA		-0.259	0.022	NA	NA	-0.464	-0.412
A001435_01		-0.494	-0.035	0.6	0.227	0.973	0.531	0.666	0.451
A001436_01	NA		-0.3	-0.828	-0.523	-0.422	NA	-0.139	-0.176
A001441_01		0.452	0.583	-0.004	0.081	0.226	0.4	0.336	0.394
A001442_01		-0.825	-0.968	-0.105	-0.123	-0.726	-0.615	-0.483	-0.732
A001445_01		-0.034	0.128	-0.386	-0.19	-0.876	-0.448	-0.16	-0.051
A001446_01		0.008	-0.059	-0.3	-0.233	-0.107	-0.11	0.003	-0.18
A001448_01		-0.381	-0.069	-0.65	-0.479	-0.305	-0.393	-0.433	-0.315
A001449_01	NA	NA		0.212	0.516	NA	NA	NA	NA
A001451_01		0.235	0.305	-0.283	0.018	0.445	0.639	-0.084	0.193
A001452_01		-0.608	NA	-0.279	-0.177	-0.901	-0.289	-0.411	-0.303
A001455_01		-1.051	-1.118	-0.51	-0.383	-1.439	-0.935	-0.69	-0.536
A001457_01		-0.306	0.051	-0.146	0.11	-0.278	-0.241	-0.154	0.077
A001458_01		-0.494	-0.232	0.147	0.309	0.063	0.109	-0.033	-0.012
A001460_01	NA		-0.71	-0.505	-0.129	-0.769	NA	-0.374	-0.062
A001461_01	NA	NA		0.433	0.348	-0.541	NA	-0.456	-0.454
A001465_01		-0.38	-0.281	0.122	0.067	-0.053	0.079	0.044	-0.109
A001468_01		-1.676	-0.941	0.042	0.002	-0.278	-0.018	0.051	-0.003
A001471_01	NA	NA		-1.776	-1.215	NA	NA	NA	NA
A001472_01		0.154	0.163	0.305	0.369	0.959	0.839	0.553	0.51
A001474_01		0.346	0.433	-0.06	0.026	0.391	0.352	0.26	0.114
A001477_01		0.826	0.743	0.097	0.42	0.059	0.113	-0.26	0.013
A001480_01		0.481	NA	-0.45	NA	-0.113	NA	NA	NA
A001481_01		0.361	0.455	0.42	0.34	0.228	0.302	0.164	0.213
A001487_01		-0.74	-0.227	-0.068	0.009	0.052	0.222	0.087	0.208
A001488_01		-0.932	-0.55	0.587	0.44	-0.286	-0.115	-0.094	-0.134
A001490_01	NA		-0.625	-0.013	0.046	-0.17	NA	0.157	0.039
A001495_01		-0.296	-0.072	0.227	0.248	0.153	0.354	0.061	0.125
A001496_01		0.021	0.142	-0.628	NA	-0.881	NA	NA	NA
A001507_01		0.33	0.289	-0.058	0.083	-0.292	-0.153	-0.285	-0.181
A001511_01		0.808	0.573	-0.051	0.195	0.24	0.332	0.453	0.643
A001513_01		-1.378	-0.863	-0.369	-0.27	-0.734	-0.254	0.059	0.286
A001516_01		0.376	0.572	0.04	0.366	0.182	0.579	-0.067	0.181
A001518_01	NA	NA		-1.49	-0.977	NA	NA	NA	NA
A001529_01	NA	NA		0.091	0.402	NA	NA	-0.292	0.006
A001536_01		-0.85	NA	-0.371	-0.258	-0.496	NA	0.254	0.237
A001537_01	NA	NA		0.356	0.283	NA	NA	-0.217	-0.299
A001553_01	NA	NA		0.187	0.203	-0.564	NA	-0.326	-0.363
A001558_01		-0.646	-0.759	-0.156	-0.199	-0.525	-0.438	-0.178	-0.54
A001559_01	NA	NA		-0.457	-0.218	-0.468	NA	-0.221	-0.213
A001566_01		-0.613	-0.648	-0.787	-0.369	-1.13	-0.776	-0.282	-0.236
A001567_01		-0.817	-0.571	0.83	0.636	-0.108	0.02	0.138	-0.015
A001568_01	NA	NA		-0.103	NA	0.219	0.595	NA	NA
A001573_01		0.578	0.471	-0.282	0.171	0.16	0.241	NA	0.37
A001578_01		-0.413	-0.463	-1.037	-0.787	-0.583	-0.575	-0.685	-0.705
A001586_01	NA	NA	NA	NA	NA	NA	NA	-0.579	NA
A001593_01		-0.68	-0.302	-0.876	-0.298	-0.427	0.083	-0.343	0.127
A001595_01		0.789	0.525	-0.106	0.144	0.06	0.035	NA	0.136
A001601_01	NA	NA		-0.789	NA	NA	NA	NA	0.712
A001602_01		-0.148	-0.373	-0.345	-0.033	-0.934	-0.718	-0.706	-0.363
A001604_01		-0.561	-0.432	-0.231	0.015	-0.06	0.009	-0.154	0.141
A001605_01		-0.172	0.131	-0.238	-0.049	-0.229	0.168	0.086	0.122
A001606_01		-0.868	-0.221	-0.264	-0.103	-0.212	0.249	0.043	0.21
A001609_01		0.395	0.561	0.208	0.276	0.127	0.319	0.289	0.27

A001610_01		-0.57	-0.108	0.181	0.207	-0.374	-0.05	-0.063	0.095
A001611_01	NA	NA		0.286	0.596 NA	NA		0.324	0.346
A001612_01		0.979	0.698	0.614	0.597	0.978	1.151	1.063	1.161
A001613_01		0.505	0.355	0.113	0.127	-0.105	-0.026	-0.049	0.004
A001619_01		-0.901	-0.445	-0.054	0.006	-0.579	-0.495	-0.472	-0.445
A001621_01		0.433 NA		-0.067 NA		-0.139 NA	NA	NA	
A001624_01	NA	NA		0.254	0.566 NA		0.449 NA		0.566
A001631_01		-0.682	-0.858 NA	NA		-1.107	-0.932 NA	NA	
A001645_01		-0.541	-0.344	-0.937	-0.639	-0.487	-0.316	-0.349	-0.19
A001651_01	NA	NA		-0.149	0.109	-0.37 NA		-0.129 NA	
A001652_01	NA	NA		-0.378 NA		-0.238 NA	NA		0.18
A001663_01		0.261	0.553	-0.857 NA		-0.225	0.451	0.013 NA	
A001664_01	NA	NA		-0.875 NA	NA	NA	NA	NA	
A001670_01	NA		0.194	-0.745 NA		-0.399 NA	NA	NA	
A001671_01		0.698	0.814	-0.149	0.079	0.837	1.054	0.437	0.783
A001675_01		0.556	0.464	-0.598	-0.242	-0.059	0.053	-0.204	-0.007
A001677_01	NA	NA		-0.301	-0.007	-0.31 NA		-0.17	0.104
A001678_01	NA	NA		-0.274	-0.072 NA	NA		-0.034 NA	
A001679_01		-1.046	-1.083	-2.351	-1.832	-1.538	-1.308	-1.534	-1.749
A001681_01		-0.109	0.114	0.148	0.285	0.351	0.278	0.271	0.263
A001683_01	NA	NA		-0.006	0.152 NA	NA		-0.112	0.032
A001693_01	NA	NA		-0.033	0.278	-0.74	-0.32	-0.324	-0.207
A001695_01	NA	NA		0.434	0.787 NA	NA	NA		-0.208
A001696_01	NA	NA		0.162	0.546 NA	NA	NA		0.232
A001697_01		0.901	0.95	-0.22	-0.086	0.779	0.789	0.975	0.921
A001711_01		0.32	0.074	-0.339	-0.15	-0.422	-0.481	-0.209	-0.021
A001717_01		0.331	0.225	-0.291	-0.161	0.057	0.107	0.137	0.244
A001719_01		0.135	0.141	-0.119	-0.074	-0.189	-0.05	-0.059	-0.17
A001720_01		-2.215	-2.921 NA	NA		-2.615	-2.311 NA	NA	
A001728_01		0.108	0.291	-0.01	0.249	0.155	0.262	0.006	0.223
A001736_01		0.306	0.31	0.212	0.175	0.27	0.315	0.046	0.034
A001740_01		0.17	0.211	0.12	0.224	-0.276	-0.194	-0.511	-0.246
A001745_01		-0.72	-0.731 NA	NA		-1.201 NA	NA	NA	
A001748_01	NA	NA		-0.138	0.308	-0.39	0.235	-0.232	0.061
A001750_01		0.301	0.217	-0.006	-0.009	0.216	0.281	0.282	0.234
A001756_01		0.433	0.598	-0.392	0.118	0.057	0.311	-0.082	0.266
A001757_01		0.272	0.452	-0.298	-0.111	-0.017	0.237	-0.146	0.21
A001758_01	NA	NA		-0.345 NA		-0.642 NA		-0.46 NA	
A001760_01	NA	NA		-0.754 NA	NA	NA	NA	NA	
A001770_01		0.814	0.71	-0.413	0.051	0.23	0.735	0.352	0.772
A001773_01		0.066	0.149	0.573	0.384	0.211	0.169	0.134	0.111
A001779_01		-0.346	-0.407	-0.553 NA		-0.787	-0.354	-0.604 NA	
A001783_01	NA	NA		0.246	0.167 NA	NA		-0.532	-0.676
A001785_01		0.292	0.701	0.26	0.544 NA	NA	NA		0.276
A001789_01		0.71	0.711	-0.052	0.214	0.559	0.909	0.71	0.799
A001790_01		0.447	0.535	0.013	0.002	0.668	0.826	0.677	0.82
A001791_01	NA	NA		-0.193	-0.012 NA	NA		0.031	0.023
A001800_01		0.986 NA		-0.04 NA	NA	NA		1.082	1.133
A001801_01		0.61	0.611	0.473	0.404	0.124	0.235	0.254	0.122
A001803_01		-0.357	-0.135	-0.174	-0.061	-0.347	0.163	-0.188	0.079
A001804_01		-0.353	-0.175	-0.25	-0.156	-0.312	0.012	-0.048	0.022
A001807_01		0.459 NA		0.048	0.42	0.441	0.7	0.028	0.392
A001819_01	NA		0.211	-0.382 NA		-0.27	-0.195	-0.397 NA	
A001826_01		0.43	0.283	-0.097	0.127	0.23	-0.077	0.103	0.023
A001827_01	NA	NA		0.029	0.143 NA	NA		0.082	0.293
A001833_01	NA	NA		-0.376	-0.133 NA	NA		0.06	0.162
A001838_01		0.324	0.124	0.11	0.277	-0.138	-0.019	-0.01	0.038
A001842_01		-0.751	-0.498	0.316	0.464	-0.672	-0.441	-0.097	-0.136
A001843_01		-0.159	-0.294	-0.029	0.113	-0.612	-0.694	-0.429	-0.352
A001848_01		0.016	0.251	-0.338	-0.085	-0.236	0.133	0.021	0.228
A001861_01		-0.4	-0.325	0.27	0.33	0.381	0.396	0.246	0.366
A001864_01		-0.385	-0.067	0.293	0.283	-0.484	-0.344	-0.318	-0.223
A001865_01		0.613 NA		-0.396 NA		-0.084 NA	NA	NA	
A001867_01	NA	NA		-0.345	0.08	-0.161	-0.03	0.245	0.266
A001868_01		0.071	0.297	-0.237	0.375	-0.298	0.218	-0.051 NA	
A001869_01		-0.293	0.386	0.137	0.12	-0.202	0.528	0.206	0.119
A001870_01	NA	NA		-0.166 NA		-0.446 NA	NA	NA	
A001874_01	NA	NA		0.254	0.243	0.443	0.551	0.256	0.315

A001880_01		0.292 NA		0.417	0.4	0.738	1.004	0.242	0.281
A001883_01		0.072	-0.2	-0.109	0.046	-0.5	-0.393	-0.368	-0.19
A001884_01	NA	NA		-0.247	0.042	0.013	0.128	-0.045	-0.114
A001886_01		0.579	0.677	-0.313	0.071	0.124	0.216	0.08	0.102
A001889_01		0.153	0.465	0.091	0.336	-0.416	0.13	0.046	0.35
A001894_01		-1.341	-0.932	-0.135 NA		-0.65 NA		0.158	0.387
A001898_01		-1.081 NA		0.364	0.221	-0.51 NA		-0.193	-0.292
A001901_01		0.125	-0.014	-0.105	-0.132	-0.049	0.031	-0.14	-0.252
A001903_01		0.234	0.388	-0.568	-0.543 NA		NA	-0.324	-0.451
A001904_01		0.465	0.083	-0.434	-0.258	-0.188	-0.422	-0.381	-0.34
A001912_01	NA	NA		0.557	0.713 NA		NA	0.209	0.288
A001913_01		-0.65	-0.15	0.933	0.802	0.64	0.542	0.598	0.608
A001915_01		-1.076	-0.698	-0.217	-0.136	-0.53	-0.403	-0.328	-0.283
A001917_01		0.652	0.425	0.073	0.104	0.903	0.837	0.788	0.86
A001918_01		-1.289	-0.647	-0.013	0.14	-0.064	0.13	-0.005	0.147
A001920_01		0.301	0.318	-0.1	-0.072	0.237	0.017	-0.097	-0.095
A001924_01		0.201	-0.109	-0.028	0.195	0.716	0.565	0.099	0.196
A001929_01	NA	NA		-0.001	-0.068 NA		NA	0.422	0.43
A001932_01	NA		0.474	0.109 NA		0.473	0.522	0.352	0.282
A001934_01		-1.452	-0.695	-0.508	-0.207	-0.058	0.07	0.001	0.11
A001936_01		-0.122	-0.073	-0.955	-0.693	-1.131	-1.055	-0.781	-0.85
A001937_01		0.184	0.225	-0.133	0.089	-0.328	-0.364	-0.161	-0.034
A001939_01	NA	NA		-0.718	-0.415	0.001 NA		-0.293	-0.272
A001945_01		0.054	0.245	0.055	0.206	0.078	0.051	-0.301	-0.159
A001946_01		-0.369	-0.114	0.304	0.277	-0.166	0.089	0.002	0.058
A001952_01		0.05	0.032	-0.047	-0.086	0.341	0.095	0.046	-0.057
A001957_01	NA	NA		-0.699	-0.467 NA		0.466	0.072	0.071
A001958_01	NA		0.257	0.04 NA		NA	NA		0.282
A001959_01		-0.573	-0.196	0.452	0.446	0.032	0.197	0.002	-0.022
A001961_01	NA	NA		0.303	0.45 NA		NA	0.2	0.116
A001962_01		0.248	0.256	-0.209	0.003	0.32	0.279	0.096	0.305
A001963_01		0.305	0.379	-0.109	0.09	0.164	0.298	-0.056	0.092
A001964_01		0.198	0.11	-0.108	-0.02	-0.152	-0.036	-0.02	-0.073
A001966_01		0.358	0.217	0.029	0.126	0.459	0.438	0.333	0.3
A001967_01		-1.082	-0.957	-0.991 NA		-0.675	-0.444	-0.539 NA	
A001970_01		-0.543	-0.116	0.559	0.41	0.679	0.648	0.125	0.155
A001974_01		0.775	0.52	0.064	0.161	0.515	0.434	0.123	0.11
A001975_01		-0.523	-0.345	0.198	0.247	-0.465	-0.291	-0.153 NA	
A001979_01		0.597	0.573	-0.116	-0.004	0.025	0.237	0.168	0.334
A001980_01		-0.307	0.111	-0.174	-0.024	-0.659	-0.052	-0.137	-0.14
A001984_01		-0.433 NA		-0.357	-0.332	-0.541 NA		-0.06	-0.119
A001986_01		0.374	0.476	0.197	0.197	-0.047	0.25	0.199	0.222
A001988_01		-1.056	-0.525	-1.433	-1.163	-0.941	-0.82	-1.144	-0.816
A001990_01	NA	NA		-0.079 NA		0.418 NA		0.532	0.581
A001996_01		-0.709	-0.053	-0.29 NA		-0.267	-0.102 NA		NA
A001997_01	NA	NA		-0.501	-0.376 NA		NA	-0.036	0.109
A002002_01	NA		-0.781	0.131	0.209	-0.71	-0.419	-0.02	-0.031
A002003_01	NA	NA		0.281 NA		NA	NA		NA
A002008_01		-0.462	0.168	-0.206	-0.034	-0.19	0.416	0.214	0.449
A002009_01		0.284	0.257	0.223	0.25	0.025	0.385	0.022	0.33
A002011_01		-1.26	-0.502	0.521	0.427	-0.38	-0.041	0.281	0.17
A002013_01		0.395	0.721	0.329	0.329	0.361	0.434	0.291	0.326
A002014_01		0.143	0.442	0.084	0.006	-0.233	0.144	0.105	0.038
A002016_01	NA	NA		0.272	0.359	0.032 NA		0.212	0.211
A002017_01		0.578	0.597	-0.555	-0.298 NA		NA	-0.437	-0.358
A002023_01		0.16	0.362	0.394	0.49	-0.187	-0.266	-0.267	-0.137
A002026_01		0.111	0.225	-0.259	-0.163	-0.166	0.2	0.137	0.227
A002031_01		0.175	0.287	0.474	0.404	-0.027	-0.091	0.364	0.376
A002032_01		0.027	0.216	-0.059	0.07	0.499	0.398	0.009	0.256
A002033_01		0.264	0.158	-0.207	-0.07	-0.023	0.249	0.12	0.278
A002035_01		0.654	0.731	0.279	0.355	0.333	0.559	0.293	0.485
A002037_01		0.334	0.401	-0.273	-0.136	0.181	0.593	0.224	0.64
A002038_01		0.25	0.56	0.065	0.244	0.522	0.394	-0.081	0.152
A002045_01		-0.321	-0.257	-1.674	-1.31 NA		-1.472	-1.27	-1.171
A002050_01		0.651	0.712	0.166 NA		0.524	0.56	0.678	0.612
A002052_01		-0.399	-0.246	-0.129	0.155	-0.613	-0.697	-0.553	-0.237
A002054_01		0.793	0.598	0.142	0.198	0.608	0.601	0.341	0.4
A002059_01	NA	NA		0.242	0.387	-0.391 NA		-0.15	0.031

A002061_01	NA	NA		0.55	0.391	0.137	0.323	-0.052	-0.099
A002062_01		-0.787	-1.041	0.043	0.219	-1.759	-1.868	-1.44	-1.244
A002065_01		0.553	0.659	0.259	0.401	0.342	0.66	0.382	0.511
A002066_01		-0.002	0.111	0.135	0.128	-0.186	-0.249	-0.034	-0.023
A002067_01	NA		0.476	0	0.149	0.253	0.413	0.407	0.411
A002068_01		0.588	0.392	0.6	0.47	-0.217	-0.247	-0.062	-0.097
A002070_01		-0.975	0.273	0.284	0.349	0.007	-0.055	-0.112	-0.052
A002073_01		-0.342	0.109	0.385	0.405	0.943	1.007	0.712	0.902
A002075_01		-0.146	0.323	0.112	0.03	-0.009	0.382	0.165	0.044
A002076_01		-0.614	-0.209	-0.624	-0.513	-0.274	-0.084	0.104	0.116
A002079_01	NA	NA		-0.225	-0.156	0.126	0.036	0.137	0.037
A002080_01		-1.588	-1.237	-0.92	-0.729	-1.38	-1.001	-0.924	-0.969
A002081_01		-1.266	-0.868	-1.081	-0.81	-0.987	-0.761	-0.624	-0.684
A002082_01	NA		0.357	-0.043	0.003 NA		0.236	-0.131	-0.182
A002083_01	NA	NA		-0.17	-0.167	-0.555 NA		0.198	0.078
A002085_01		0.043	-0.083	-0.139	-0.028	0.205	0.343	0.065	0.094
A002086_01		-1.283	-1.235	-0.811	-0.583	-1.22	-1.169	-1.177	-0.912
A002087_01		0.679	0.358	-0.803	-0.483 NA		-1.096	-1.04	-0.621
A002088_01		-0.601 NA		-0.257	0.002	-0.6 NA		0.173	0.385
A002089_01	NA	NA		-0.076	0.05	-0.131 NA	NA	NA	NA
A002090_01		-0.107	0.001	-0.091	-0.023	-0.352	-0.233	-0.182	-0.242
A002092_01	NA	NA		-0.416 NA	NA	NA	NA		0.368
A002094_01		-1	-0.735	-0.929	-0.641	-0.884	-0.919	-1.033	-1.014
A002096_01		-0.838	-0.212	0.135	0.317	0.067	0.084	0.041	0.211
A002102_01		0.186	0.286	-0.198	-0.074	-0.894	-0.516	-0.559	-0.5
A002103_01		-0.802	-0.19	0.065	0.113	-0.36	-0.215	-0.071	-0.298
A002116_01		-0.479	-0.26	-0.667	-0.418	-0.31	-0.275	-0.348	-0.435
A002117_01	NA	NA		-0.336	-0.243 NA	NA	NA		0.46
A002118_01		-0.187	0.331	-0.107	0.071	-0.302	0.511	0.276	0.686
A002120_01		0.553	0.831	0.845	0.836	0.226	0.141	0.79	0.893
A002126_01	NA	NA		-0.323	-0.234 NA	NA		0.025	0.03
A002130_01		-0.015 NA		0.253 NA		0.307 NA		0.279	0.253
A002138_01		0.469	0.419	-0.671	-0.53	0.263	0.54	0.001	0.447
A002142_01		0.383	0.339	-0.494	-0.237	0.055	0.185	0.08	0.332
A002146_01		-1.473	-1.042	-0.278	-0.121	-1.003	-0.671	-0.719	-0.777
A002147_01		-0.701	-0.449	-0.001	0.11 NA		0.139	-0.079	-0.047
A002148_01		-0.63	-0.443	-0.216	-0.106	-0.422	-0.246	-0.306	-0.281
A002149_01		-0.122	0.281	0.417	0.372	1.263	1.196	1.144	0.976
A002160_01		0.147	0.366	0.377	0.397	0.151	0.333	0.172	0.094
A002165_01		0.702	0.525	-0.082	0.04	0.601	0.782	0.386	0.642
A002171_01	NA	NA		-0.088	0.19 NA	NA	NA	NA	NA
A002175_01		-0.36	-0.228	-0.143	-0.094	-0.153	-0.171	-0.127	-0.436
A002176_01		-0.452	0.014	0.258	0.288	0.223	0.444	0.134	0.078
A002178_01	NA	NA		0.374	0.35 NA	NA		-0.074 NA	
A002180_01	NA	NA		-0.144 NA	NA	NA		-0.109 NA	
A002183_01	NA	NA		-0.722 NA	NA	NA		-0.558 NA	
A002184_01		0.556	0.894	0.562	0.556	0.775	0.866	0.715	0.792
A002198_01	NA	NA		-0.339 NA	NA	NA		-0.337 NA	
A002199_01	NA	NA		-0.242	-0.045	-0.468 NA		-0.512	-0.516
A002206_01		-0.349	-0.146	-0.035	-0.039	0.011	0.059	0.047	-0.069
A002210_01		-1.264	-0.964	0.259	0.292	-0.671	-0.524	-0.555	-0.62
A002214_01		-0.216	0.034	0.2	0.282	-0.147	-0.162	-0.04	0.057
A002218_01		0.756	0.987	-0.005	0.171 NA		0.361	-0.686	-0.682
A002220_01		0.015	0.139	0.163	0.056	1.033	0.737	0.618	0.58
A002224_01		0.503	0.641	0.323	0.446	0.381	0.669	0.723	0.913
A002230_01		-0.012	0.248	-0.479	-0.353	0.267	0.387	0.001	0.256
A002232_01		-0.668	-0.22	-0.268 NA		-0.205	-0.018	0.105	-0.003
A002235_01		0.967	1.058	0.653	0.8	0.253	0.351	-0.101	-0.041
A002237_01		0.006	0.171	0.036	0.052	-0.08	0.118	0.018	0.169
A002243_01	NA	NA		0.136	0.175	-0.102 NA		-0.241	-0.245
A002244_01		0.315	0.377	-0.038	0.015	0.491	0.58	0.445	0.485
A002246_01	NA	NA		-0.316	-0.22	-0.148 NA		-0.227	-0.507
A002258_01		-0.621	-0.359	-0.369	-0.232	-0.854	-0.581	-0.607	-0.691
A002259_01		0.232	0.171	-0.622	-0.294	-0.386	-0.207	-0.291	-0.256
A002260_01		-0.828	-0.212	-0.082	0.083	-0.226	-0.09	0.071	0.2
A002266_01		-1.474	-0.644	0.325	0.363	-0.169	0.074	0.064	0.008
A002267_01		0.807	0.939	-0.274	-0.075	0.437	0.476	0.57	0.4
A002272_01		0.165	0.323	-0.013	-0.104	0.152	0.257	-0.057	-0.028

A002283_01		0.538	0.371	0.201	0.369	0.068	0.083	NA	NA	
A002284_01	NA	NA		0.128	0.22	NA	NA		-0.179	-0.238
A002285_01		0.876	0.583	-0.368	NA	0.162	NA	NA	NA	
A002294_01		1.045	0.716	0.297		0.184	0.312	0.241	0.413	0.332
A002308_01		0.073	-0.354	-0.207		-0.107	-0.413	-0.266	-0.219	NA
A002329_01		-0.633	NA	0.053		0.241	-0.027	0.102	0.062	0.217
A002330_01		-0.85	-0.237	-0.265		0.008	0.247	0.351	0.266	0.41
A002338_01		-0.081	0.124	-0.065		0.226	0.208	NA	NA	0.056
A002345_01	NA		0.001	0.238		0.423	0.021	0.136	-0.318	-0.13
A002346_01		-0.015	0.124	0.146		0.262	0.54	0.501	0.805	0.868
A002349_01		0.851	0.8	0.355		0.451	0.934	0.999	0.514	0.906
A002356_01	NA		0.129	0.093		0.245	NA	NA	NA	NA
A002359_01		-1.106	-0.576	0.596		0.562	-0.207	-0.091	0.133	0.062
A002363_01		0.341	0.484	0.621		0.565	0.363	0.18	0.189	0.28
A002365_01		-0.516	NA	-0.079		0.093	0.158	0.244	0.275	0.215
A002368_01		0.008	0.087	0.205		0.108	-0.176	0.045	-0.047	-0.109
A002369_01		0.205	0.112	-0.491		-0.272	0.124	0.339	-0.027	0.226
A002370_01	NA	NA		-0.17		-0.004	-0.287	0.16	0.035	0.247
A002372_01		0.207	0.142	-0.009		0.148	0.115	0.194	0.152	0.251
A002374_01		0.706	0.523	-0.722	NA		-0.25	-0.173	NA	NA
A002376_01		0.397	NA	0.584		0.722	NA	NA	NA	0.607
A002378_01		0.018	0.004	0.052		0.343	0.087	0.185	NA	0.28
A002383_01	NA		-0.329	-0.701		-0.368	NA	-0.533	-0.598	-0.423
A002385_01		0.198	0.212	0.321		0.455	0.282	0.366	0.331	0.181
A002387_01		0.052	0.295	0.442		0.312	-0.003	-0.092	-0.06	-0.077
A002390_01		-0.151	NA	-0.013		0.218	-0.383	NA	-0.14	-0.061
A002393_01		0.171	0.366	-0.274		-0.042	0.412	0.423	0.036	0.087
A002405_01		-0.343	NA	-0.182	NA		0.91	0.736	0.705	0.624
A002408_01		1.119	0.882	0.41		0.513	0.884	0.68	0.513	0.593
A002409_01		-1.857	-2.474	NA	NA		-1.304	-1.357	NA	NA
A002412_01		-0.711	NA	-0.016		0.119	-0.337	-0.19	-0.265	-0.172
A002413_01	NA	NA		-0.127		0.355	NA	NA	-0.532	-0.12
A002417_01		0.741	1.056	0.05		0.204	0.734	0.793	0.778	0.925
A002418_01		-1.176	-1.694	-2.498		-1.813	-1.392	-1.408	-1.75	-1.702
A002425_01		0.772	0.518	-0.033		0.221	NA	0.099	NA	NA
A002429_01	NA		0.177	-0.155		0.213	0.042	0.195	-0.159	-0.013
A002432_01		-0.202	-0.014	-0.32		-0.061	-0.089	0.04	-0.198	0.056
A002433_01		-2.833	-3.301	NA	NA		-2.638	-2.745	NA	NA
A002437_01		-0.011	0.089	-0.537		-0.358	0.264	0.473	0.598	0.71
A002441_01		-0.879	NA	0.536		0.527	0.239	0.471	0.18	0.254
A002454_01		0.377	0.802	-0.426	NA		0.134	0.356	0.28	0.589
A002461_01	NA	NA		-0.074		0.185	-0.43	NA	-0.116	-0.123
A002473_01		-0.565	-0.249	0.216		0.214	-0.36	0.03	0.066	0.293
A002476_01		0.326	0.89	-0.403		0.403	0.151	0.582	0.069	0.619
A002480_01	NA	NA		0.498		0.51	NA	NA	-0.266	-0.046
A002484_01		-0.202	-0.1	-0.523		-0.323	-0.458	-0.288	-0.269	-0.373
A002488_01		-0.834	-0.257	0.226		0.242	-0.05	0.037	-0.278	-0.202
A002489_01	NA	NA		-0.257	NA		NA	NA	-0.222	0.108
A002491_01		-0.645	-0.644	-0.235		-0.182	-0.537	-0.379	-0.253	-0.495
A002506_01	NA	NA		0.008		0.187	-0.094	0.284	0.035	0.238
A002514_01		0.606	0.986	-0.161		-0.001	-0.233	-0.094	-0.361	-0.324
A002522_01		0.348	0.44	-0.027		0.049	0.491	0.526	0.153	0.265
A002523_01		-0.126	-0.025	-0.449		-0.091	-0.04	0.122	0.168	0.243
A002525_01		0.374	NA	-0.544		-0.237	0.516	0.762	-0.862	-0.849
A002534_01		0.435	0.03	0.183		0.254	0.067	-0.198	-0.129	-0.073
A002535_01	NA	NA		-0.128		0.184	-0.026	NA	-0.204	-0.018
A002537_01		0.146	NA	NA	NA		-0.814	NA	NA	NA
A002539_01		-0.81	NA	-0.551		-0.484	-0.972	NA	-0.789	-0.845
A002540_01		0.433	0.239	-0.341		0.056	-0.155	-0.05	-0.176	0.094
A002542_01		-0.34	0.271	0.285		0.593	0.477	0.557	0.535	0.775
A002545_01		0.195	-0.025	-0.356		-0.209	-0.26	-0.352	-0.291	-0.378
A002557_01		0.645	0.523	-0.093		0.177	-0.062	NA	-0.116	0.093
A002558_01		-0.249	0.064	0.035		0.178	0.095	0.027	0.035	0.104
A002560_01		0.315	NA	-0.114		0.052	0.024	0.282	0.036	0.22
A002561_01		-0.131	0.083	-0.072		0.047	-0.202	-0.214	-0.397	-0.288
A002562_01		-0.324	-0.133	-0.145		0.046	-0.685	-0.322	-0.372	-0.301
A002580_01		1.166	1.332	0.638		0.628	-0.097	0.037	0.125	0.157
A002588_01		0.108	-0.084	-0.013		0.042	-0.657	-0.538	-0.274	-0.306

A002592_01		-0.514	0.004	0.018	0.188	-0.178	0.055	-0.127	0.203
A002599_01		0.666	0.358	-0.22	0.077	-0.355	-0.209	-0.201	0.133
A002608_01		-0.32	-0.148	-0.291	-0.274	-0.322	-0.214	-0.076	-0.307
A002609_01		0.388	0.428	-0.177	0.128	0.391	0.612	0.61	0.982
A002610_01		-0.658	-0.274	-0.083	0.044	-0.636	-0.271	-0.34	-0.379
A002618_01		-0.091	0.025	-0.907 NA		-0.4 NA		NA	NA
A002623_01	NA	NA		-0.967	-0.409 NA	NA		-0.128	0.071
A002626_01	NA	NA		-0.107	0.173 NA	NA		-0.016 NA	
A002632_01		0.101	0.238	-0.004	0.29 NA		0.261	0.068	0.17
A002634_01		0.806	0.609	-0.103	0.002	0.42	0.679	0.567	0.816
A002641_01		-0.403	-0.239	0.141	0.254	-0.181	0.213	-0.139	0.051
A002642_01		-0.193	0.135	0.344	0.41	-0.093	0.19 NA		0.209
A002643_01		-3.113	-2.365	-2.498	-1.921	-2.653	-1.837	-1.422	-1.619
A002644_01	NA	NA		0.005	0.062 NA	NA		-0.217	-0.374
A002646_01		-0.546	-0.37	0.284	0.11	0.166	0.091	0.231	-0.053
A002647_01		-1.097	-1.048	-1.086	-0.728	-1.332	-1.2	-0.739	-0.798
A002648_01		-0.116	0.231	-0.379	-0.375	0.003	0.21	0.09	-0.018
A002650_01		-0.321 NA		0.392	0.497	-0.061 NA		-0.382	-0.374
A002651_01		-1.034 NA		-0.45	-0.263	-0.93	-0.445	-0.844	-0.678
A002656_01		0.218	0.074	-0.382	-0.147	-0.423	-0.334	-0.338	-0.176
A002658_01		-0.155	-0.001	0.21	0.068	-0.382	-0.125	-0.174	-0.161
A002659_01		-0.365 NA		-0.266	0.019	-0.244	0.046	0.078	0.241
A002660_01	NA	NA		0.116	0.122	-0.412 NA		-0.419	-0.581
A002662_01		-0.653	-0.447	-0.064	0.033	-0.517	-0.23	-0.101	-0.061
A002672_01		0.865	0.45	0.018	0.059	0.423	0.524	0.396	0.631
A002674_01		0.846	0.832	0.436	0.377	0.137	0.275	0.182	0.123
A002675_01		0.471	0.219	0.251	0.195	-0.228	-0.316	-0.076	-0.25
A002676_01		-1.128	-0.661	0.754	0.538	-0.251	0.302	-0.294	-0.378
A002677_01		-1.234	-1.209	-1.087	-0.966	-1.377	-1.17	-0.662	-0.928
A002678_01		0.552 NA		-0.384 NA		-0.01	0.159	0.002 NA	
A002692_01		0.608	0.418	-0.087	-0.069	0.124	0.103	0.049	0.065
A002695_01	NA	NA		-0.923	-0.733	-1.046 NA		-1.297	-1.394
A002696_01		-0.767	-1.14	0.512	0.363	-0.279	-0.347	-0.293	-0.48
A002699_01	NA	NA		0.041	-0.017	0.04 NA		-0.171	-0.288
A002702_01		0.15	0.438	0.24	0.062	0.739	0.43	0.482	0.495
A002703_01		-0.469 NA		0.074	0.297	0.237	0.256	0.12	0.301
A002704_01		-0.563	-0.177	-0.535	-0.34	-0.201	-0.006	-0.342	-0.136
A002706_01	NA	NA		0.166	0.167 NA	NA		0.206	0.324
A002712_01		0.75	0.704	-0.077	0.093	-0.066	0.191	-0.1	0.073
A002713_01		0.299	0.261	0.002	0.039	-0.166	-0.289	-0.151	-0.209
A002718_01	NA	NA		0.299	0.158 NA	NA		0.061	-0.089
A002721_01	NA	NA		0.126	0.18 NA	NA		0.007	-0.012
A002724_01		0.196	0.222	-0.024	0.008	-0.027	0.202	0.042	0.266
A002732_01		-0.675	-0.013	0.451	0.493	0.238	0.308	0.094	0.108
A002733_01		-0.4	0.096	0.366	0.348	0.107	0.093	0.099	0.043
A002735_01		0.292	0.455	-0.176	0.012	-0.025	0.324	0.197	0.338
A002736_01		0.669	0.444	0.028	0.138	0.33	0.264	0.105	0.209
A002737_01		0.017	0.123	0.111	0.109	0.173	0.422	0.494	0.488
A002738_01		-1.027	-1.016	-0.12	0.054	-1.294	-1.097	-0.676	-0.896
A002741_01		-2.239	-2.341	-1.795	-1.294	-2.139	-1.377	-0.941	-1.182
A002742_01		-0.422	-0.018	-0.244	-0.171	-0.051	0.032	-0.158	-0.217
A002744_01		-0.623	-0.236	0.289	0.21	0.389	0.295	0.039	-0.106
A002750_01	NA	NA		-0.363	-0.101	0.357	0.618	0.358	0.408
A002762_01		0.404	0.734	0.459	0.386	0.758	0.941	0.648	0.757
A002768_01		0.031	0.026	-0.147	-0.072	-0.621	-0.566	-0.231	-0.111
A002772_01		0.28	0.045	0.128	0.206	-0.154	-0.089	0.052	0.172
A002773_01		0.357 NA		-0.179 NA		-0.224	0.048	0.038	0.126
A002774_01		-0.146	-0.313	-0.216	-0.147	-0.538	-0.531	-0.757	-0.487
A002777_01		0.334 NA		0.046	0.154 NA	NA		0.008	-0.095
A002779_01		-0.72	-0.525	-0.298	-0.002	-0.432	-0.482	-0.554	-0.599
A002780_01	NA	NA		0.291	0.368 NA	NA		0.002	0.041
A002782_01		0.074	-0.434 NA	NA	NA	NA	NA	NA	NA
A002787_01		-1.622	-1.317	-0.927	-0.582	-1.5	-1.101	-1.149	-0.961
A002788_01		0.382	0.302	0.279	0.355	0.823	0.614	0.514	0.538
A002793_01		0.312	0.406	0.151	0.111	0.488	0.414	0.845	0.655
A002795_01		0.488	0.184	-0.509 NA		0.092	0.146	-0.13	0.114
A002797_01	NA	NA		-0.189	-0.02	0.156	0.359	0.494	0.572
A002798_01		-0.362	0.071	0.448	0.48	0.445	0.361	0.382	0.237

A002800_01		-0.388	-0.172	0.442	0.421	0.465	0.699	0.047	0.317
A002809_01		0.473	0.347	0.163	-0.089	0.156	0.107	0.11	-0.139
A002818_01		0.001	0.54	0.568	0.512	1.081	1.119	0.607	0.815
A002820_01		-0.065	-0.079	0.272	0.517	-0.222 NA		-0.136	-0.028
A002822_01		-0.212	-0.046	-0.287	-0.134	-0.341	-0.129	-0.347	-0.29
A002823_01		-0.432	-0.488	0.218	0.235	-0.4	-0.433	-0.103	-0.039
A002830_01	NA		-0.306	0.406	0.331 NA		0.023	-0.301	-0.341
A002834_01		-0.026	0.497	0.164	0.349	0.471	0.773	0.412	0.611
A002838_01	NA	NA		0.539	0.212 NA	NA		-0.745	-1.048
A002841_01		-0.408	-0.038	0.149	0.174	0.127	0.151	0.025	0.141
A002842_01		-0.081	-0.248	-0.545	-0.271	-0.992	-0.966	-0.818	-0.754
A002851_01		-0.057	0.037	0.047	0.086	0.083	0.014	0.112	0.19
A002854_01		0.505	0.748	0.876	0.637	0.602	0.574	0.514	0.475
A002855_01		0.397	0.608	0.189	0.356	0.11	0.764	0.263	0.461
A002858_01		-0.912	-0.598	0.035	0.195	-0.086	-0.052	0.063	0.208
A002863_01		-0.312	0.096	0.467	0.351	0.3	0.351	0.043	-0.008
A002866_01		0.669	0.494	-0.265 NA		-0.221 NA		-0.412 NA	
A002869_01		-0.357	0.077	-0.436	-0.193	0.041	0.174	0.421	0.62
A002871_01		0.306	0.15	0.647	0.547	0.159	-0.042	-0.019	-0.086
A002875_01	NA	NA		-0.222 NA		-0.124 NA		0.276	0.321
A002881_01	NA	NA		-0.162 NA	NA	NA	NA	NA	
A002895_01		0.513	0.286	-0.097	-0.013	-0.249	-0.389	-0.207	-0.192
A002896_01		0.5	0.4	-0.107	0.056	0.4	0.327	0.181	0.46
A002898_01	NA	NA		0.47	0.477	0.573	0.614	0.434	0.456
A002901_01	NA	NA		0.098	0.039 NA	NA		-0.006	-0.045
A002902_01		0.02	0.269	0.01	0.14	0.418	0.402	0.113	0.268
A002904_01		-0.89	-0.326	0.59	0.502	-0.015	-0.003	0.104	0.014
A002907_01		0.126	-0.117	0.057	-0.001	-0.954	-0.708	-0.272	-0.413
A002908_01		0.32	0.053	-0.298	-0.145	-0.163	-0.18	-0.17	-0.13
A002916_01	NA	NA		0.262	0.312	-0.211	0.181	0.055	0.248
A002917_01		-0.481	-0.593	-0.666	-0.241	-0.413	-0.359	0.052	0.067
A002919_01		-0.144	0.141	0.165	0.327	0.021	0.223	-0.343	-0.16
A002922_01		0.398	0.503	0.322	0.292	0.94	0.898	0.555	0.697
A002923_01		0.024	0.411	0.228	0.365	-0.074	0.675	-0.113	0.303
A002934_01	NA	NA		0.368	0.354	-0.109 NA		0.339	0.224
A002939_01		-0.483	0.223	0.22	0.315	0.065 NA		0.046	-0.044
A002940_01		-0.207	-0.163	0.188	0.153	-1.291	-1.142	-0.54	-0.704
A002946_01		-0.293	-0.427	-0.41	-0.46	-0.318	-0.325	-0.228	-0.544
A002950_01		0.705	0.637	0.405	0.376	0.485	0.64	0.296	0.395
A002952_01		0.123	0.215	-0.806	-0.691	-0.435	-0.401	-0.365	-0.399
A002955_01	NA	NA		0.039	0.036	-0.482 NA		-0.198	-0.382
A002958_01	NA	NA		-0.404	-0.135 NA	NA		0.201	-0.069
A002977_01		0.096	-0.02	0.071	-0.024	-0.074	-0.155	-0.034	-0.044
A002982_01		-0.597 NA		0.46	0.154	-0.191 NA		0.265	-0.011
A002988_01		0.97	0.734 NA	NA		-0.51	-0.243	-0.081 NA	
A002991_01		0.348	-0.067	-0.518	-0.41	0.305	0.135	-0.104	-0.004
A002993_01		-0.562	-0.169	0	0.107	-0.137	-0.125	-0.201	-0.055
A002997_01		0.819	0.726	0.15	0.256	0.265	0.564	0.226	0.401
A002998_01		-0.252	0.067	0.309	0.309	-0.182 NA		-0.067	-0.06
A002999_01		-0.223	-0.684	-2.004	-1.605	-1.095	-1.131	-0.614	-0.55
A003001_01		-0.731 NA		0.187	0.169	0.147	0.189	0.05	0.073
A003003_01		0.651	0.451	-0.079	0.092	-0.046	0.218	0.128	0.198
A003004_01		0.71	0.77	0.05	0.14	0.471	0.73	0.449	0.518
A003006_01		-0.61	-0.534	-0.011	-0.027	-0.859	-0.742	-0.277	-0.5
A003011_01		0.646	0.338	-0.029	0.252	-0.03	0.164	-0.161	0.056
A003012_01		0.238 NA		0.499	0.455	0.238 NA		0.378	0.258
A003016_01		1.073	0.781	0.291	0.296	0.309	0.406	0.08	0.348
A003018_01		1.224	0.937	0.336	0.568	1.539	1.365	0.814	1.126
A003023_01		-0.297	0.03	-0.016	0.125	-0.016	0.027	0.249	0.287
A003024_01		-0.311	-0.089	-1.342	-0.962	-0.258	-0.004	-0.073	0.18
A003029_01		-0.026	0.004	-0.178	0.109	-0.067	0.11	-0.283	0.136
A003034_01	NA	NA		-0.679	-0.209	-0.284 NA		0.163	0.463
A003036_01		-1.007	-0.335	-0.065	0.262	-1.165	-0.64	-0.445	-0.219
A003037_01	NA	NA		0.525	0.457 NA	NA		0.116	0.15
A003039_01	NA	NA		-0.424	-0.248	-0.788 NA		-0.349	-0.241
A003042_01		0.198	-0.059	-0.284	-0.28	-0.126	-0.018	-0.168	0.121
A003045_01		-1.024	-0.438	-0.089	-0.022	-0.66	-0.312	-0.426	-0.248
A003050_01	NA		0.344	0.04	0.048 NA	NA	NA		-0.101

A003054_01		0.423	0.171	-0.079	0.118	0.103	0.073	-0.199	0.034
A003055_01		0.52	0.283	0.085	0.018	-0.149	-0.211	-0.021	-0.084
A003056_01		0.019	-0.062	0.207	0.057	-0.397	-0.374	-0.214	-0.314
A003058_01		-0.285	0.079	-0.004	0.048	-0.253	-0.029	0.256	0.28
A003059_01		0.467	0.684	-0.15	-0.104	-0.122	0.056	0.079	0.396
A003060_01		0.059	0.664	-0.958	-0.65	-0.307	NA	-0.828	-0.784
A003070_01		1.081	0.615	-0.562	NA	-0.294	-0.363	0.779	0.936
A003078_01		0.061	-0.236	-0.427	0.165	-0.3	-0.441	-0.485	0.218
A003079_01		0.124	0.203	-0.24	-0.019	-0.068	-0.113	-0.045	0.075
A003084_01		-0.263	-0.321	0.24	0.268	0.569	0.581	0.32	0.386
A003092_01	NA		NA	0.11	0.091	1.049	1.106	0.81	0.772
A003101_01		0.306	0.412	-0.223	-0.142	-0.57	-0.462	-0.705	-0.616
A003106_01		-0.265	0.018	-0.386	-0.161	-0.114	0.052	-0.376	-0.093
A003107_01		-0.223	-0.001	-0.62	-0.559	-0.729	-0.53	-0.796	-0.846
A003109_01		-0.845	-0.425	-0.429	-0.278	-0.743	-0.432	-0.146	-0.231
A003110_01		-0.545	-0.094	-0.248	-0.153	0.149	0.432	0.484	0.668
A003112_01		0.328	0.46	0.015	0.216	0.441	0.472	0.023	0.231
A003113_01	NA		0.31	0.074	NA		0.086	0.018	0.102
A003114_01		-0.495	-0.204	-0.2	-0.116	0.35	0.143	0.04	-0.012
A003117_01		0.594	0.583	0.106	0.051	0.169	0.191	0.347	0.265
A003121_01		0.076	0.131	0.112	0.029	0.097	0.119	0.452	0.265
A003124_01	NA		NA	-0.336	NA		0.619	1.044	0.676
A003130_01	NA		NA	0.191	0.174	-0.434	NA	0.024	0.1
A003131_01	NA		NA	0.257	0.334	NA	NA	0.073	0.221
A003134_01		0.614	0.544	0.202	0.195	0.287	0.368	0.158	0.304
A003137_01		0.394	0.309	-0.22	-0.022	0.061	0.152	0.088	0.326
A003138_01		-1.792	-1.386	-0.727	-0.603	-1.269	-0.886	-0.675	-0.722
A003141_01		0.781	0.833	0.256	0.308	0.704	0.595	0.414	0.601
A003148_01		0.257	0.328	0.143	0.261	0.597	0.458	0.84	0.827
A003154_01		-1.332	-0.865	-1.241	-0.819	-1.219	-1.048	-1.068	-1.093
A003164_01	NA		0.358	0.089	0.095	NA	NA	NA	NA
A003170_01		0.596	0.567	-0.306	NA	0.055	NA	NA	NA
A003174_01		-0.292	-0.27	0.565	0.462	-0.393	-0.312	0.104	0.11
A003181_01		-0.434	NA	-0.385	-0.259	-0.647	NA	NA	NA
A003184_01		-0.976	-0.611	0.016	-0.008	-0.665	-0.332	-0.162	-0.228
A003186_01	NA		NA	0.061	-0.03	NA	NA	NA	0.085
A003189_01	NA		0.253	-0.325	-0.128	-0.452	-0.523	-0.487	-0.411
A003190_01		-0.281	-0.14	-0.304	-0.151	-0.805	-0.58	-0.469	-0.462
A003194_01		0.651	0.299	-0.187	0.103	NA	NA	NA	0.074
A003197_01		-0.26	-0.219	-0.136	-0.04	-0.496	-0.383	-0.165	-0.162
A003198_01		-0.25	-0.095	0.304	0.272	-0.025	0.074	-0.177	-0.169
A003199_01		-0.36	-0.377	0.313	0.048	-0.21	-0.319	-0.234	-0.449
A003207_01		-0.082	0.264	-1.248	-0.913	0.987	1.004	1.376	1.575
A003208_01		-0.312	-0.13	-0.01	0.013	-0.355	-0.104	0.004	0.008
A003209_01	NA		NA	-0.116	0.061	NA	NA	NA	NA
A003213_01	NA		NA	-0.132	NA	NA	NA	NA	NA
A003214_01		0.01	0.06	-0.375	-0.276	-0.117	-0.163	-0.321	-0.31
A003217_01		-0.221	-0.095	0.067	0.069	-0.321	-0.161	-0.024	-0.139
A003222_01	NA		NA		-1.206	NA	NA	NA	NA
A003235_01		-0.999	-0.687	0.023	0.058	-0.016	NA	-0.042	-0.147
A003237_01		0.504	NA	-1.293	-0.889	NA	NA	-0.733	-0.692
A003242_01		0.064	0.173	0.572	0.446	1.076	0.765	0.753	0.74
A003245_01		0.185	0.163	0.288	0.277	-0.575	-0.443	-0.259	-0.309
A003250_01		-0.729	-0.586	-1.123	-1.015	-0.807	-0.712	-0.552	-0.568
A003252_01		0.56	0.243	0.148	0.126	0.396	0.234	0.312	0.305
A003263_01		0.335	0.073	-0.524	-0.266	-0.16	-0.326	-0.253	-0.29
A003264_01		-0.251	-0.219	0.028	0.091	-0.757	-0.518	-0.125	-0.25
A003266_01		-0.27	-0.009	0.396	0.279	0.615	0.389	0.681	0.51
A003274_01		0.204	-0.018	-0.115	0.001	-0.753	-0.7	-0.275	-0.21
A003276_01		-1.548	-0.923	-0.264	-0.208	-1.323	-0.911	-0.44	-0.53
A003277_01		0.303	-0.005	0.227	0.066	-0.13	NA	0.009	-0.307
A003278_01		-0.348	-0.114	0.341	0.343	-0.125	-0.067	-0.541	-0.64
A003280_01		-0.85	NA	0.081	0.204	-0.275	NA	NA	NA
A003286_01		0.716	NA	0.446	0.266	NA	NA	0.212	-0.059
A003287_01		-0.082	-0.012	0.204	0.222	0.115	0.171	0.052	0.106
A003291_01	NA		-1.497	0.047	0.034	-1.004	-0.779	-0.802	-0.845
A003294_01		-0.862	-0.715	-1.096	-0.814	-0.851	-0.612	-0.542	-0.581
A003299_01		-0.353	0.109	0.211	0.299	-0.086	0.093	0.091	0.16

A003304_01	NA	NA		0.552	0.468	NA	NA	0.267	0.146
A003311_01	NA	NA		0.054	0.001		-0.393	NA	-0.47
A003317_01	NA	NA	NA	NA			-0.213	NA	0.539
A003329_01		-0.04	0.275	0.384	0.421	0.596	0.691	0.362	0.543
A003333_01		0.646	0.242	0.241	0.222	-0.028	0.104	0.258	0.368
A003337_01		0.573	0.944	0.116	0.246	-0.353	-0.342	-0.521	-0.459
A003339_01		-0.377	-0.267	-0.06	-0.173	-0.235	-0.245	-0.191	-0.241
A003351_01		-0.706	-0.194	-0.005	0.081	0.442	0.578	0.409	0.483
A003354_01		-1.117	-0.957	0.273	0.18	-0.771	-0.735	-0.432	-0.48
A003359_01	NA		-0.932	-0.486	-0.096	NA	NA	NA	NA
A003360_01		-1.925	-1.382	-0.694	-0.582	-1.29	-1.366	-1.01	-0.884
A003365_01		0.749	0.508	-0.194	-0.128	0.643	0.689	0.215	0.333
A003366_01		-0.353	-0.178	-0.069	-0.01	0.055	NA	-0.147	-0.106
A003367_01		-0.36	-0.056	-0.29	-0.178	-0.007	-0.044	-0.093	-0.178
A003370_01		0.085	0.217	-0.054	-0.024	0.126	0.194	0.135	0.05
A003371_01		0.001	0.111	-0.245	-0.139	-0.449	-0.284	-0.405	-0.171
A003373_01	NA	NA		0.514	0.431	0.096	0.22	0.029	0.103
A003377_01		0.368	0.3	-0.341	-0.12	0.456	0.594	0.165	0.354
A003381_01		0.611	NA	0.108	0.124	0.479	0.702	NA	NA
A003382_01		-0.052	0.13	0.133	0.217	0.412	0.283	0.198	0.338
A003383_01		-0.268	-0.031	-0.132	0.043	-0.594	-0.369	-0.305	-0.19
A003385_01		-0.563	NA	-1.019	-1.015	0.491	0.397	-0.238	-0.446
A003387_01		-0.258	0.006	0.182	0.068	-0.199	-0.106	-0.065	-0.08
A003388_01		-0.084	0.004	0.016	-0.043	0.133	0.037	0.237	0.071
A003389_01		-2.314	-2.401	-1.016	-0.806	-2.391	-1.958	-0.959	-0.927
A003393_01		0.289	0.141	0.072	0.01	0.233	0.457	0.312	0.475
A003394_01		-0.339	-0.158	-0.028	0.016	0.199	0.224	0.077	0.031
A003395_01		-0.234	0.234	-0.261	-0.102	-0.293	-0.156	-0.268	-0.2
A003398_01		0.058	0.006	0.228	0.113	0.248	0.335	0.15	0.133
A003404_01	NA	NA		0.582	0.391	NA	NA	-0.207	-0.5
A003405_01	NA	NA		-0.101	0.096	NA	NA	-0.154	0.007
A003406_01		-0.213	0.009	-0.155	-0.193	-0.154	-0.113	-0.171	-0.413
A003408_01		0.152	0.43	-0.243	NA	0.566	0.537	NA	0.405
A003409_01		-0.271	-0.488	-0.086	-0.103	-0.301	-0.615	-0.517	-0.463
A003410_01		-0.49	-0.013	-0.112	0.026	0.328	0.272	0.41	0.355
A003411_01		-0.49	-0.532	-0.548	-0.491	-0.848	-0.622	-0.375	-0.254
A003412_01		-1.07	-0.742	-0.734	-0.698	-1.293	-0.446	-0.271	-0.408
A003418_01		1.062	0.871	0.125	0.079	0.166	0.485	0.225	0.283
A003419_01		0.745	0.612	0.095	0.174	0.248	0.324	0.181	0.308
A003423_01		1.489	1.246	0.086	0.224	-0.33	-0.609	-0.829	-0.724
A003425_01		-0.512	-0.422	0.222	0.156	0.206	0.358	0.2	0.039
A003428_01		1.177	1.023	0.151	NA	0.521	0.525	NA	NA
A003431_01		-0.002	0.329	1.075	0.779	0.145	0.126	-0.288	-0.378
A003433_01		0.157	0.211	0.059	0.18	-0.083	0.035	0.11	0.379
A003434_01		0.465	0.587	0.568	0.444	0.544	0.463	0.39	0.407
A003440_01		-0.129	-0.172	0.156	0.114	0.102	0.078	-0.034	-0.035
A003443_01	NA	NA		0.266	0.337	NA	NA	0.144	0.282
A003444_01	NA	NA		0.269	0.187	0.077	NA	-0.091	-0.007
A003446_01		0.183	0.234	-0.491	-0.343	0.009	0.196	0.392	0.553
A003448_01	NA	NA		0.53	0.211	NA	NA	-0.084	-0.34
A003456_01	NA	NA		0.222	0.192	NA	NA	0.155	0.12
A003458_01		0.413	0.412	-0.317	-0.11	0.407	0.367	0.368	0.525
A003460_01		-0.961	-0.709	0.045	0.003	-0.398	-0.256	0.049	-0.06
A003465_01		0.286	NA	0.155	0.333	0.089	NA	NA	NA
A003467_01		0.143	NA	-0.26	NA	-0.435	NA	NA	NA
A003468_01		-0.337	0.069	0.125	0.122	0.335	0.305	0.379	0.385
A003470_01		0.317	0.169	0.134	0.26	0.238	0.285	-0.055	0.033
A003471_01		0.556	0.281	-0.117	NA	NA	-0.016	NA	NA
A003472_01		-0.09	-0.157	-0.167	-0.027	-0.007	-0.03	NA	0.026
A003475_01		-0.909	-0.221	0.339	0.454	0.383	0.682	0.181	0.323
A003478_01		-0.404	0.059	0.046	0.282	0.008	0.293	0.149	0.215
A003480_01		0.017	NA	-0.881	-0.269	-0.069	NA	-0.09	0.025
A003483_01		-0.272	-0.02	-0.547	-0.292	0.111	0.206	0.498	0.478
A003486_01		-0.382	NA	-0.528	-0.219	-0.543	-0.625	-0.533	-0.546
A003488_01		-0.316	-0.042	0.198	0.256	0.036	0.095	-0.071	0.073
A003493_01	NA		0.082	0.181	0.195	0.289	0.123	-0.062	-0.018
A003497_01		0.127	0.227	0.218	0.266	0.432	0.58	0.284	0.418
A003500_01		0.255	0.109	-0.657	-0.341	-0.169	-0.105	-0.368	-0.353

A003501_01		-0.31	-0.038	-0.189	-0.09	-0.022	-0.02	-0.29	-0.102
A003503_01		0.654	0.641	0.314	0.303	0.514	0.382	0.253	0.19
A003510_01		-0.812	-0.55	0.089	0.048	-0.502	-0.122	0.032	-0.139
A003512_01		-1.105	-0.68	0.104	0.175	-0.68	-0.316	-0.088	0.093
A003513_01		-0.147	0.103	-0.703	-0.43	-0.076	0.149	0.082	0.195
A003518_01		0.404	0.374	0.022	-0.065	0.362	0.247	0.223	0.236
A003522_01	NA		NA	0.2	0.159	NA	NA	NA	NA
A003523_01		-0.312	-0.394	-0.792	-0.433	-0.567	-0.364	-0.4	-0.137
A003528_01		0.53	0.435	0.238	0.192	0.468	0.351	0.356	0.36
A003530_01		0.638	0.593	0.04	0.137	0.674	0.657	0.522	0.604
A003533_01		0.41	0.434	0.247	0.316	0.451	0.399	0.154	0.249
A003535_01		0.678	0.329	-0.745	-0.451	-0.128	-0.334	0.094	0.103
A003536_01		-0.592	-0.324	0.274	0.396	0.336	0.642	0.526	0.683
A003537_01		0.392	0.489	0.447	0.499	0.403	0.543	0.163	0.429
A003538_01		0.071	0.127	0.16	0.18	0.309	0.221	-0.039	-0.095
A003540_01		-0.281	0.015	0.268	0.46	0.41	0.652	0.694	0.951
A003544_01	NA		NA	0.256	0.238	NA	NA	-0.054	-0.179
A003547_01	NA			-0.738	-0.463	-0.312	NA	-0.89	-0.629
A003553_01		-0.465	-0.059	0.214	0.255	0.188	0.468	0.076	0.201
A003554_01		0.025	-0.22	-0.271	-0.228	-0.412	-0.361	-0.193	-0.243
A003555_01		-1.174	-0.679	0.541	0.636	-1.256	-0.821	-0.62	-0.427
A003556_01		0.46	0.392	-0.017	-0.035	0.138	0.217	-0.006	0.033
A003560_01	NA		NA	0.37	0.346	NA	NA	0.301	0.243
A003567_01	NA			-1.214	-0.965	-0.442	NA	-0.709	-0.552
A003574_01		0.178	-0.058	0.223	0.17	0.008	NA	NA	0.15
A003576_01		0.063	0.324	-0.408	-0.394	1.25	0.943	1.333	1.448
A003588_01		-0.009	-0.102	-0.319	-0.207	-0.866	-0.615	-0.41	-0.218
A003599_01		0.361	0.322	-0.325	NA	0.199	0.159	0.374	0.35
A003604_01		-0.313	-0.092	0.213	0.274	0.179	0.43	0.236	0.292
A003606_01		0.627	0.574	0.273	0.211	0.467	0.405	0.322	0.29
A003607_01	NA		NA	0.004	-0.042	NA	NA	0.09	-0.077
A003608_01		0.601	0.365	-0.118	0.078	0.059	0.099	-0.06	0.168
A003610_01		0.096	-0.054	0.146	0.278	-0.517	-0.28	-0.426	-0.234
A003614_01		-0.496	-0.352	0.699	0.544	0.263	0.44	0.229	0.315
A003617_01		-0.088	NA	-0.551	-0.402	-0.721	NA	-0.578	NA
A003621_01		0.114	0.157	-0.166	NA	-0.125	NA	NA	0.023
A003628_01	NA		NA	0.119	0.259	NA	NA	-0.069	0.039
A003630_01	NA		NA	-0.14	NA	NA	NA	-0.338	NA
A003633_01		0.499	0.669	0.436	0.329	0.132	0.323	0.288	0.237
A003636_01	NA		NA	0.638	0.613	NA	NA	-0.127	-0.194
A003637_01		-0.786	-1.241	-1.339	-1.032	-1.634	-1.618	-1.317	-1.291
A003641_01		0.849	0.744	-0.256	0.006	-0.628	-0.43	-0.587	-0.12
A003643_01	NA		NA	0.406	0.199	NA	NA	0.01	-0.031
A003647_01		-2.061	NA	NA	NA	NA	-1.697	-2.036	NA
A003648_01	NA		NA	0.228	0.295	NA	NA	-0.081	-0.009
A003653_01		0.285	0.035	-0.525	-0.342	-0.413	-0.451	-0.433	-0.11
A003655_01		0.335	0.049	0.198	0.197	-0.23	-0.045	0.008	-0.038
A003656_01		-1.002	-0.937	-0.02	-0.056	-0.786	-0.726	-0.349	-0.539
A003657_01		-0.342	0.13	-0.005	NA	0.124	NA	NA	0.093
A003660_01		-1.039	-0.989	-0.758	-0.523	-1.306	-0.808	-1.091	-0.884
A003664_01		0.581	0.296	0.329	0.215	0.373	0.176	0.177	0.153
A003665_01		-0.276	-0.041	0.012	0.042	0.094	0.273	0.024	0.041
A003667_01		0.26	NA	0.278	0.27	-0.219	NA	NA	NA
A003668_01		-0.254	0.205	0.095	0.142	-0.021	0.281	0.19	0.208
A003671_01	NA		NA	0.45	0.439	-0.279	NA	-0.13	-0.149
A003672_01		-0.114	0.178	-0.511	-0.313	-0.301	0.153	-0.162	0.059
A003673_01		-0.321	NA	-0.385	-0.17	-0.726	-0.574	-0.109	-0.116
A003675_01		-0.854	-0.483	0.4	0.334	-0.253	NA	-0.323	-0.409
A003676_01	NA		NA	-0.202	-0.048	NA	NA	-0.26	NA
A003678_01		0.067	0.144	-0.099	-0.08	0.124	0.157	0.386	0.325
A003679_01		-1.127	-0.719	-0.23	-0.217	-0.263	-0.329	-0.175	-0.237
A003681_01		0.568	0.52	0.006	0.18	-0.011	0.189	-0.099	0.009
A003689_01		-0.455	-0.336	-0.076	-0.035	-0.321	-0.35	0.05	-0.004
A003690_01	NA		NA	-0.357	NA	NA	NA	NA	NA
A003691_01		1.055	0.779	0.189	0.411	0.734	0.882	0.685	0.814
A003694_01		-0.52	-0.787	-0.756	-0.487	-0.937	-0.906	-0.579	-0.611
A003695_01	NA		NA	0.688	0.601	NA	NA	-0.657	-0.721
A003696_01		0.679	0.576	0.168	0.162	0.392	0.46	0.119	0.202

A003698_01	-0.617	NA	-0.544	-0.496	-0.841	NA	-0.671	NA	
A003703_01	0.947	0.697	0.343	0.256	0.309	0.319	0.228	0.233	
A003706_01	0.28	0.42	0.156	NA	0.376	0.475	0.405	0.4	
A003710_01	0	0.049	0.088	0.116	0.183	0.095	0.093	0.107	
A003714_01	NA	NA	0.49	0.477	NA	NA	0.062	-0.071	
A003716_01	NA	NA	-1.282	NA	NA	NA	NA	NA	
A003719_01	NA	NA	0.523	0.511	0.28	0.48	0.02	0.162	
A003720_01	0.469	0.472	0.314	0.142	0.568	0.48	0.289	0.002	
A003732_01	NA	NA	-0.005	0.085	0.392	0.414	0.122	0.313	
A003736_01	-1.06	NA	-1.361	-1.111	NA	NA	-0.899	-0.838	
A003737_01	1.093	0.772	0.138	0.161	0.757	0.714	0.859	1.086	
A003743_01	-0.026	0.164	0.283	0.315	0.436	0.654	0.793	0.966	
A003744_01	0.037	NA	0.222	0.153	0.135	0.182	0.003	-0.005	
A003750_01	0.503	0.686	-0.001	0.128	0.296	0.487	0.77	1.042	
A003753_01	NA	NA	0.195	0.27	-0.229	NA	-0.11	0.031	
A003754_01	0.291	0.173	-0.223	-0.104	-0.219	-0.032	-0.21	0.064	
A003755_01	-0.77	-0.206	-0.089	0.052	-0.063	-0.091	0.237	0.461	
A003756_01	NA	NA	-0.043	0.203	NA	NA	NA	0.083	
A003762_01	-0.415	-0.463	0.427	0.246	0.083	0.037	0.339	0.208	
A003767_01	0.595	0.459	-0.434	-0.155	0.169	0.281	0.386	0.642	
A003773_01	0.66	0.385	0.183	0.212	0.518	0.318	0.334	0.274	
A003775_01	0.122	0.074	0.028	0.17	-0.116	0.023	-0.054	-0.12	
A003789_01	0.197	0.105	-0.214	-0.151	0.089	0.142	0.468	0.439	
A003800_01	NA	NA	0.206	0.219	NA	NA	-0.683	-0.78	
A003802_01	-0.093	-0.124	0.162	0.2	-0.024	-0.135	-0.13	-0.239	
A003803_01	NA	-0.725	-0.415	NA	-0.151	0.293	0.582	0.702	
A003804_01	1.313	1.081	-0.095	0.184	-0.575	NA	NA	-0.128	
A003808_01	-0.573	-0.307	-0.062	0.104	-0.351	-0.181	-0.414	-0.433	
A003809_01	NA	NA	0.083	NA	-0.252	0.203	NA	NA	
A003817_01	-0.062	-0.11	-0.708	NA	-0.274	0.056	0.597	0.638	
A003820_01	-0.015	0.154	-0.134	0.067	-0.028	0.214	0.197	0.37	
A003825_01	-0.51	-0.803	-0.418	-0.229	-0.951	-0.922	-0.543	-0.472	
A003826_01	NA	NA	0.429	0.336	NA	NA	0.038	-0.128	
A003827_01	0.316	0.209	-0.154	0.177	NA	NA	0.361	0.677	
A003829_01	0.866	0.59	0.006	0.135	0.435	0.363	0.169	0.408	
A003844_01	-2.718	-3.421	-4.804	-3.264	-3.466	-2.599	-2.862	-3.323	
A003846_01	-0.327	-0.182	-0.341	-0.129	-0.463	-0.232	-0.327	-0.133	
A003849_01	NA	NA	0.25	0.324	-0.026	NA	0.282	0.332	
A003851_01	-0.461	-0.163	-1.209	-0.853	-0.169	0.295	0.537	0.628	
A003854_01	-0.447	-0.083	-0.311	0.003	0.186	0.185	0.01	-0.048	
A003860_01	NA	NA	-0.483	-0.275	NA	NA	-0.473	NA	
A003861_01	0.083	0.34	0.33	0.355	0.252	0.564	0.391	0.291	
A003863_01	-0.156	NA	NA	NA	-0.838	-0.785	-0.537	NA	
A003864_01	NA	NA	0.869	0.462	0.289	0.526	0.166	0.03	
A003869_01	0.606	0.569	-0.065	-0.029	0.721	0.818	0.504	0.591	
A003872_01	0.58	0.586	-0.358	-0.081	0.892	0.717	0.68	0.72	
A003875_01	0.572	0.49	-0.356	-0.121	0.18	0.383	0.127	0.373	
A003876_01	0.357	0.32	0.312	0.404	0.151	0.236	NA	0.251	
A003885_01	NA	NA	0.251	0.166	-0.461	-0.032	-0.401	-0.348	
A003889_01	-0.836	NA	-0.232	-0.111	-0.624	NA	-0.666	-0.878	
A003898_01	0.14	0.342	0.141	0.161	0.328	0.192	0.276	0.21	
A003910_01	-0.825	NA	0.43	0.364	-0.067	0.095	0.092	-0.066	
A003914_01	0.169	0.273	-0.13	-0.018	0.002	0.102	-0.018	0.033	
A003915_01	0.497	0.546	0.08	0.146	0.291	0.406	0.098	0.168	
A003921_01	-0.309	-0.355	-1.109	-0.775	-0.71	-0.466	-0.549	-0.479	
A003925_01	-0.138	0.086	-0.008	0.213	0.449	0.44	0.571	0.65	
A003926_01	-0.289	NA	0.136	0.153	0.129	0.497	0.08	-0.026	
A003932_01	0.486	NA	-0.824	-0.572	NA	NA	-0.518	-0.612	
A003933_01	0.327	0.225	-0.045	0.17	0.406	0.854	0.729	1.201	
A003940_01	NA	NA	0.544	0.678	NA	NA	NA	NA	
A003947_01	0.857	0.406	-0.273	NA	0.377	0.334	NA	NA	
A003948_01	-0.33	-0.134	-0.206	-0.149	NA	NA	-0.397	-0.503	
A003952_01	NA	NA	-0.234	NA	NA	NA	NA	NA	
A003958_01	NA	0.374	-0.52	-0.072	0.352	0.624	-0.025	NA	
A003959_01	0.274	0.154	0.197	0.318	0.588	0.619	0.69	0.911	
A003960_01	0.363	0.327	0.746	0.814	1.024	1.116	0.978	0.945	
A003961_01	NA	NA	-0.137	NA	-0.256	NA	-0.116	NA	
A003965_01	0.408	0.469	-0.549	-0.335	0.268	0.539	0.494	0.562	

A003968_01	-0.306	-0.197	-0.309	-0.124	0.081	0.219	-0.082	-0.09
A003969_01	0.584	0.469	-0.201	0.033	0.567	0.865	0.38	0.701
A003974_01	NA	NA	0.335	0.187	0.017	0.337	0.172	0.039
A003979_01	-0.862	NA	-0.185	-0.114	-0.883	-0.593	-0.508	-0.571
A003982_01	1.252	1.31	0.143	0.438	-0.058	-0.066	-0.144	0.043
A003984_01	0.225	0.345	-0.027	-0.033	0.327	0.423	0.233	0.268
A003989_01	0.174	0.583	0.448	0.416	-0.154	0.366	-0.308	0.106
A003991_01	-0.458	0.008	0.02	0.17	-0.265	-0.226	0.252	0.253
A003997_01	1.023	0.935	0.661	0.538	0.19	0.211	0.339	0.369
A004000_01	0.767	0.674	0.322	0.257	0.605	0.497	0.433	0.324
A004003_01	0.343	0.343	0.091	0.116	0.018	NA	NA	0.237
A004018_01	0.15	0.423	-0.505	-0.431	0.192	0.225	-0.002	-0.143
A004026_01	-0.196	-0.107	-0.032	0.141	-0.459	-0.182	-0.208	0.04
A004038_01	0.79	0.934	-0.176	0.168	0.473	0.937	0.535	1.035
A004039_01	0.763	0.341	-0.47	-0.259	0.327	0.35	0.038	0.046
A004044_01	-0.027	0.048	0.108	0.363	-0.279	0.134	-0.092	0.211
A004045_01	0.76	0.554	0.049	0.07	0.215	0.098	0.236	0.313
A004048_01	NA	-0.877	0.242	0.188	-0.105	0.148	-0.179	-0.134
A004058_01	-0.209	0.005	0.002	-0.005	0.102	0.119	0.159	0.072
A004098_01	0.042	0.148	0.025	0.146	-0.098	0.131	0.252	0.369
A004103_01	0.678	0.251	-0.656	NA	-0.421	-0.171	-0.181	0.266
A004107_01	-0.368	-0.18	-0.669	-0.342	-0.537	NA	-0.343	NA
A004121_01	-0.34	-0.155	-0.589	-0.433	-0.23	0.113	-0.165	0.051
A004122_01	0.436	0.065	-0.08	0.143	0.038	0.098	-0.036	0.04
A004144_01	0.03	0.106	-0.099	-0.207	0.23	0.102	0.234	0.07
A004145_01	0.551	0.558	0.128	0.489	-0.06	0.284	NA	0.631
A004150_01	0.313	0.287	0.021	0.096	0.197	0.261	0.289	0.225
A004151_01	0.431	0.378	0.091	0.394	-0.222	0.557	0.498	0.795
A004152_01	0.34	0.204	0.106	0.149	0.004	0.212	0.287	0.552
A004157_01	-0.079	0.032	-0.111	-0.092	0.138	0.094	0.194	-0.087
A004165_01	0.368	0.193	0.484	0.485	0.931	0.632	0.251	0.185
A004173_01	-0.118	0.029	0.138	0.042	0.416	0.408	0.249	0.303
A004175_01	NA	NA	0.128	NA	NA	0.647	0.22	0.561
A004177_01	NA	NA	0.053	0.286	NA	NA	-0.318	0.086
A004181_01	1.112	1.14	-1.199	NA	-0.343	-0.324	-0.895	NA
A004219_01	-0.005	-0.161	0.231	0.199	-0.336	-0.414	-0.419	-0.304
A004221_01	0.354	0.402	-0.248	NA	-0.394	NA	NA	NA
A004223_01	NA	NA	0.151	0.309	0.025	-0.121	-0.077	0.016
A004225_01	1.083	1.036	-0.342	-0.253	-0.404	-0.435	-0.675	-0.709
A004236_01	NA	NA	0.383	0.433	NA	NA	-0.407	-0.308
A004241_01	-0.01	-0.058	-0.671	NA	-0.219	-0.442	0.011	0.284
A004242_01	-0.745	-0.789	-0.119	0.054	-0.945	-1.002	-0.869	-0.665
A004243_01	0.129	0.348	0.102	0.048	-0.045	0.043	0.108	0.08
A004244_01	-0.083	-0.106	0.572	0.57	0.593	0.609	0.376	0.4
A004253_01	NA	NA	0.299	0.256	NA	NA	-0.24	-0.165
A004271_01	0.088	0.027	-0.772	-0.596	0.184	-0.08	-0.056	-0.046
A004272_01	0.585	0.657	0.071	0.06	0.686	0.755	0.806	0.828
A004276_01	-1.259	-0.564	0.6	0.588	-0.533	-0.251	-0.019	0.212
A004281_01	-1.089	-0.562	-0.661	-0.413	-0.424	-0.332	-0.451	-0.515
A004284_01	-1.497	NA	-2.062	-1.577	-1.587	-1.533	-1.24	-1.379
A004285_01	0.852	0.744	0.121	0.259	1.205	1.241	1.244	1.253
A004288_01	0.557	0.227	0.024	0.002	0.01	-0.048	0.177	-0.075
A004289_01	-0.187	0.481	0.011	0.162	0.287	0.507	0.024	0.179
A004290_01	0.635	0.339	0.039	-0.103	0.273	0.129	0.165	0.115
A004300_01	-0.724	-0.264	-0.32	-0.126	-0.34	-0.352	-0.258	-0.246
A004305_01	0.578	0.691	0.165	0.079	0.527	0.692	0.823	0.921
A004306_01	NA	0.268	0.207	0.007	0.464	0.613	0.409	0.504
A004311_01	-0.37	NA	0.296	0.39	0.116	NA	-0.047	0.104
A004313_01	0.337	0.507	-0.194	-0.164	-0.116	-0.233	-0.115	-0.294
A004314_01	1.18	1.065	0.915	0.935	1.362	1.414	0.863	1.242
A004319_01	-0.368	-0.4	0.122	0.077	-0.377	-0.22	-0.106	-0.041
A004320_01	-2.3	-2.874	-3.167	-2.092	-2.171	-1.072	-1.627	-2.103
A004325_01	-0.421	-0.355	0.018	-0.075	-0.47	-0.352	-0.038	-0.1
A004335_01	NA	NA	-0.345	-0.175	-0.133	NA	-0.363	-0.255
A004343_01	0.293	NA	-0.125	0.035	-0.053	NA	-0.069	0.043
A004347_01	-0.392	-0.201	0.069	-0.053	-0.128	0.007	0.166	0.119
A004349_01	0.329	0.257	-0.108	-0.049	0.144	0.35	0.135	0.237
A004350_01	0.729	0.736	-0.221	-0.148	0.177	0.595	0.198	0.483

A004359_01	-1.091	NA	0.102	0.235	-0.031	NA	0	0.173
A004362_01	0.18	0.018	0.275	0.302	0.23	0.079	NA	-0.092
A004378_01	NA	-0.127	-0.095	0.03	0.222	0.112	-0.148	-0.199
A004382_01	0.395	NA	0.055	0.136	0.155	0.202	0.256	0.301
A004383_01	-0.43	-0.219	-0.399	-0.309	-0.224	0.021	-0.246	0.072
A004386_01	-0.653	0.002	-0.027	0.057	0.08	0.083	-0.113	0.223
A004392_01	0.094	NA	0.219	0.117	0.149	NA	0.168	0.041
A004393_01	-0.109	-0.065	0.18	0.248	0.338	0.129	0.027	-0.082
A004396_01	-0.127	0.028	-0.118	-0.033	0.062	0.164	0.058	0.031
A004397_01	0.615	0.287	-0.042	-0.072	-0.046	-0.297	0.043	-0.057
A004398_01	-0.034	0.036	0.086	-0.011	0.274	0.508	0.457	0.415
A004404_01	0.656	0.74	0.748	0.775	0.6	0.827	0.696	0.849
A004406_01	NA	NA	0.136	0.141	0.067	NA	-0.159	NA
A004407_01	-2.249	-1.655	-0.159	-0.007	-1.184	-0.816	-0.076	0.026
A004408_01	-1.101	-0.788	0.245	0.093	-0.776	-0.617	0.236	0.091
A004413_01	-0.373	0.046	0.314	0.375	-0.096	0.155	-0.012	0.066
A004417_01	0.542	0.605	-0.354	-0.35	0.14	0.217	0.753	0.499
A004424_01	NA	NA	-0.631	NA	-0.225	-0.183	-0.36	NA
A004425_01	0.156	0.025	-0.57	-0.258	0.075	0.191	0.389	0.499
A004426_01	0.151	0.341	-0.011	0.004	0.22	0.372	0.188	0.173
A004429_01	0.025	0.091	0.038	0	0.407	0.344	0.394	0.376
A004431_01	-0.416	NA	-0.824	-0.618	-0.923	NA	-0.845	-0.789
A004434_01	-0.261	0.09	-0.329	-0.152	-0.127	-0.113	-0.058	0.045
A004437_01	-0.041	0.571	0.301	0.359	-0.243	0.364	0.224	0.462
A004439_01	-0.443	-0.446	-0.123	-0.112	0.122	-0.165	-0.035	-0.108
A004442_01	1.145	1.135	-0.222	0.271	0.82	1.396	0.92	1.722
A004448_01	-0.945	-0.717	-0.233	-0.056	-0.17	-0.164	-0.065	0.077
A004449_01	-0.333	NA	0.152	-0.079	-0.005	NA	0.208	-0.162
A004451_01	-0.449	-0.499	-0.444	-0.355	-0.421	-0.291	-0.229	-0.356
A004452_01	NA	NA	0.582	0.4	NA	NA	0.106	-0.111
A004454_01	-0.692	-0.779	-0.458	-0.329	-0.601	-0.578	-0.28	-0.232
A004456_01	0.478	0.208	0.271	0.364	-0.349	-0.273	0.087	0.227
A004458_01	0.254	0.504	0.624	0.403	0.21	0.212	0.357	0.295
A004461_01	0.516	0.302	-0.044	0.119	-0.273	-0.18	-0.362	0.003
A004462_01	0.063	0.173	0.351	0.209	0.173	0.107	-0.03	-0.089
A004464_01	-0.308	-0.056	0.093	0.275	-0.256	0.029	-0.29	0.037
A004466_01	0.407	NA	-0.13	NA	-0.162	NA	-0.033	-0.115
A004467_01	NA	NA	0.107	-0.042	NA	NA	0.006	-0.118
A004468_01	-0.514	-0.646	-0.276	-0.371	-0.269	-0.458	-0.277	-0.62
A004469_01	0.103	-0.16	-0.193	-0.211	0.581	0.374	0.817	0.748
A004470_01	0.595	0.592	-0.15	-0.173	0.536	0.355	0.576	0.481
A004472_01	NA	NA	-0.229	-0.334	NA	NA	0.116	-0.217
A004474_01	NA	NA	0.506	0.347	NA	NA	0.145	0.001
A004481_01	-0.713	-0.318	-0.287	-0.144	-0.233	-0.244	0.011	0.154
A004483_01	-0.611	-0.283	-0.069	0.008	0.037	0.002	0.067	0.008
A004484_01	0.82	0.88	0.145	0.205	0.144	0.571	0.36	0.518
A004488_01	0.263	NA	-0.124	NA	-0.279	NA	NA	NA
A004489_01	0.02	0.126	0.046	0.041	0.407	0.403	0.31	0.336
A004491_01	0.11	0.437	0.223	0.271	0.124	0.416	0.058	0.294
A004493_01	NA	NA	0.129	0.127	NA	NA	-0.298	-0.153
A004494_01	0.198	0.144	0.105	0.172	0.118	0.176	0.279	0.377
A004495_01	-0.992	-0.297	0.069	0.171	-0.829	-0.39	-0.276	-0.3
A004497_01	-0.461	-0.632	-0.706	-0.471	-0.556	-0.576	-0.588	-0.621
A004498_01	0.309	0.293	-0.3	-0.076	-0.099	0.339	0.224	0.553
A004502_01	-1.407	-1.238	0.122	0.142	-0.39	-0.234	-0.092	0.066
A004505_01	0.095	0.077	0.104	0.086	-0.445	-0.32	-0.219	-0.272
A004509_01	-0.568	-0.23	0.467	0.34	0.1	0.258	0.213	0.15
A004511_01	-0.506	-0.184	0.21	0.119	0.077	0.232	0.145	0.149
A004514_01	-0.695	-0.257	-0.303	-0.151	-0.537	-0.321	-0.179	0.041
A004515_01	NA	NA	-0.225	-0.182	-0.379	NA	0.053	-0.273
A004519_01	NA	NA	-0.007	0.169	-0.134	0.189	-0.079	0.081
A004520_01	-0.456	-0.38	0.135	0.093	-0.155	0.007	0.01	0.043
A004522_01	NA	NA	0.06	0.139	0.168	0.329	0.139	0.14
A004523_01	0.379	0.309	0.008	-0.003	0.36	0.221	0.146	0.065
A004524_01	0.496	0.516	0.034	NA	0.175	NA	NA	0.613
A004526_01	-0.495	-0.552	-0.933	-0.56	-0.48	-0.497	-0.025	0.13
A004527_01	-1.102	-0.431	0.012	0.056	-0.188	-0.114	-0.137	-0.202
A004528_01	-1.232	-0.986	0.054	-0.089	-0.468	-0.268	0.139	-0.066

A004534_01		0.013	0.079	-0.017	-0.13	0.218	0.188	0.208	-0.031
A004537_01		-0.012	-0.012	-1.001	-0.741	-0.864	-0.361	-0.452	-0.375
A004541_01		-0.625	-0.372	-0.102	0.012	-0.442	-0.01	-0.24	0.014
A004542_01		-1.113	-0.893	0.475	0.352	-0.607 NA		-0.24	-0.215
A004545_01		0.345	0.584	0.294	0.275	0.473	0.509	0.204	0.196
A004548_01		-0.26	-0.258	0.342	0.372	-1.11 NA		-0.541	-0.444
A004549_01		0.29	-0.002	-0.069	-0.032	0.057	-0.159	0.049	0.102
A004553_01		0.018	0.205	-0.279	-0.136	-0.163	0.133	-0.081	0.217
A004557_01		0.01	-0.09	-0.836	-0.67	-0.448	-0.314	-0.046	0.176
A004558_01		-0.197	-0.197	-0.01	-0.057	-0.367	-0.248	-0.233	-0.385
A004559_01	NA	NA		0.337	0.31	-0.01 NA		0.084 NA	
A004560_01		0.033	0.012	-0.025	-0.111	0.155	0.049	-0.006	-0.083
A004576_01		0.053	-0.265	-0.244	-0.158	-0.092	-0.223	-0.388	-0.298
A004577_01		-0.519	-0.187	-0.185 NA		-0.037 NA		0.306	0.538
A004578_01	NA	NA		-0.495	-0.358	0.026	0.356	0.261	0.324
A004582_01		-0.027	-0.074	-0.35	-0.189	-0.099	0.09	-0.131	-0.036
A004587_01		0.256	0.468	0.615	0.656	0.418	0.525	0.371	0.437
A004588_01		1.092	0.841	0.627	0.46	0.905	0.992	0.798	0.713
A004593_01		0.4	0.326	-0.035	0.157	0.042	0.011	0.03	0.198
A004594_01		0.535	0.512	-0.455	-0.362	-0.003	-0.076	-0.198	-0.169
A004596_01		-0.088 NA		-0.104	-0.044	0.076	0.186	0.101	0.074
A004597_01		-0.049	0.533	0.267	0.239	0.089	0.129	-0.322	-0.276
A004598_01		0.445	0.442	0.177	0.231	0.394	0.264	0.112	0.041
A004599_01		-1.212 NA		0.445	0.216	-0.341	0.037	0.08	-0.177
A004602_01		-0.22	-0.063	-0.025	-0.11	0.448	0.12	0.209	0.037
A004603_01		0.855	0.782	0.221	0.223	0.697	0.654	0.684	0.707
A004604_01		-0.2	-0.472 NA		-0.947	0.162	0.257	1.107	1.154
A004609_01	NA		0.137	-0.465 NA	NA		-0.17	0.11	0.338
A004610_01		-0.411	-0.21	-0.033	0.035	-0.21	-0.028	-0.055	-0.039
A004612_01		0.115	0.46	-0.251	0.057	0.005	0.861	0.842	1.187
A004615_01	NA		-0.019	-0.212	0.023 NA		0.154	0.234	0.169
A004616_01		0.6	0.37	0.39	0.337	0.105	0.072	0.182	0.157
A004617_01		-0.484	-0.317	-0.262	-0.206	-0.108	-0.006	0.41	0.421
A004618_01		-1.759	-1.274	0.291	0.272	-1.271	-0.696	-0.308	-0.37
A004619_01	NA	NA		0.083	-0.096 NA	NA		-0.461	-0.672
A004620_01		0.157 NA		0.105 NA		0.169	0.355	0.444 NA	
A004622_01		-2.108	-3.119 NA	NA		-2.545	-2.272	-2.319 NA	
A004623_01		-0.605	-0.272	0.344	0.165	-0.076	0.178	0.175	0.038
A004629_01		-0.917	-0.549	-0.019	0.03	-0.704	-0.417	-0.181	-0.153
A004630_01		-0.69	-0.437	-0.12	-0.033	-0.862	-0.674	-0.353	-0.432
A004634_01		0.626	1.004	-0.413	-0.234	0.647	1.474	1.165	1.614
A004635_01		0.519	0.381	-0.196 NA	NA		0.209 NA	NA	
A004636_01		0.461	0.484	-0.038	0.075	0.3	0.347	0.161	0.214
A004637_01	NA		-0.655	-0.56	-0.283 NA	NA	NA	NA	-0.644
A004644_01		-0.346 NA		0.341	0.083	0.056	-0.023	0.048	-0.221
A004645_01		-0.38	0.109	-0.357	-0.343	0.07	0.209	0.585	0.512
A004646_01		0.441	0.189	-0.1	0.079	-0.14	-0.139	-0.28	-0.18
A004649_01		0.637	0.491	-0.185	-0.099	0.241	0.188	0.312	0.411
A004650_01		-0.843 NA		-0.238	-0.036	-0.135	0	-0.018	0.129
A004652_01	NA	NA		-0.563	-0.404 NA	NA		-1.225	-1.046
A004653_01	NA	NA	NA		-0.165	-0.127 NA		0.281 NA	
A004656_01		-0.171	-0.141	-0.619	-0.467	-0.96	-0.848	-0.776	-0.822
A004657_01		0.255	-0.014	-0.623 NA		-0.333	-0.138 NA		0.365
A004659_01		0.219	0.298	0.303	0.295	0.078	0.103	0.056	0.03
A004664_01		0.491	0.406	0.279	0.194	-0.162	-0.142	-0.085	-0.228
A004669_01		-0.474	-0.065	-0.247	-0.031	-0.614	-0.466	-0.755	-0.492
A004670_01		0.142	0.088	-0.279	-0.291	0.258	0.112	0.467	0.26
A004671_01		-0.12	0.162	-0.207	-0.078	-0.138	0.03	0.052	0.042
A004678_01		-0.023	-0.016	0.075	-0.064	-0.191	-0.147	0.005	-0.157
A004680_01		-0.547	-0.664	0.027	0.025	-0.765	-0.742	-0.419	-0.57
A004682_01		-0.665	-0.32	-1.105	-0.803	-0.163	-0.305	-0.164	-0.09
A004683_01		-1.261	-0.742	-0.395	-0.209	-0.496	-0.266	-0.003	0.122
A004684_01		-1.671	-1.888	-1.826	-1.32	-1.169	-1.463	-1.081	-1.122
A004688_01		0.277	0.163	-0.073	-0.022	0.046	0.013	-0.193	-0.23
A004689_01		-1.467	-1.593	-1.74	-1.317	-1.893 NA		-1.866	-2.098
A004695_01		0.115	0.208	-0.245	-0.039	0.108	0.261	0.259	0.227
A004696_01		-0.832 NA		-0.951 NA		-0.752 NA	NA	NA	
A004701_01		0.345 NA		-0.487	-0.087	0.013	0.677	0.096	0.616

A004704_01		-1.543	-0.776	0.454	0.563	-1.318	-0.643	-0.288	-0.128
A004705_01		-0.502	-0.227	0.416	0.353	0.206	0.173	0.211	0.182
A004714_01		0.521	0.243	-0.654	-0.407	-0.037 NA	NA	NA	
A004716_01	NA	NA		0.27	0.053	-0.242 NA		-0.288	-0.553
A004717_01		-0.426	-0.303	-0.035	-0.183	0.042	0.151	0.133	0.087
A004722_01		-0.906	-0.204	-0.654	-0.507	0.295	0.297	0.756	0.811
A004725_01		0.413	0.38	0.043	-0.119	0.133 NA		0.175	0.042
A004727_01	NA	NA		-1.168	-0.831 NA	NA		-0.427	-0.428
A004728_01		0.142	0.385	-0.578	-0.394	-0.021	0.275	0.466	0.643
A004735_01		-0.181	-0.203	0.222	0.333	0.238	0.342	0.014	0.132
A004736_01		0.516	0.366	0.012	-0.108	0.245	0.241	0.365	0.291
A004738_01		0.012	0.142	-0.237	-0.172	-0.234	-0.137	0.191	0.014
A004739_01		-0.563 NA		-0.854 NA		-0.598 NA		0.119 NA	
A004740_01		0.55	0.693	-0.403 NA		0.199 NA	NA	NA	
A004743_01		-0.019 NA		-0.54	-0.272	-0.214 NA		-0.186	0.033
A004744_01		-0.222	-0.13	-0.634	-0.303	-0.368 NA		-0.366	-0.099
A004747_01		-0.158	-0.064	0.147	-0.028	-0.041	-0.09	-0.002	-0.152
A004748_01		-0.04	0.251	0.008	-0.005	0.497	0.653	0.084	0.262
A004752_01		-1.134 NA		-0.202	-0.039 NA		-0.451	-0.445	-0.207
A004754_01		-0.068	0.19	0.072	0.147	0.298	0.487	0.563	0.553
A004757_01	NA	NA		-0.099	-0.137 NA	NA		-0.011	0.02
A004759_01		-0.001	-0.096	-0.35	-0.052	-0.416	-0.485	-0.417	-0.319
A004762_01		-0.195	0.024	-0.399	-0.267	-0.077	-0.027	0.012	-0.011
A004766_01		-0.261	-0.127	0.108	0.072	-0.318	-0.213	-0.167	-0.27
A004768_01		-0.742 NA		0.325	0.155	-0.306	-0.166	-0.001	-0.183
A004769_01		0.058	0.522	-0.103	0.033	0.398	0.754	0.868	1.1
A004772_01		0.2	0.184	-0.115	-0.11	-0.022	-0.043	0.076	0.08
A004774_01		-0.926	-0.23	0.393	0.49	0.399	0.632	0.146	0.242
A004777_01		0.62	0.726	-0.39	-0.137	0.32	0.453	-0.068	0.105
A004789_01		0.15	0.187	0.137	0.097	-0.145	0.004	-0.038	-0.005
A004792_01		0.36	0.212	-0.151	-0.131	0.106	-0.038	-0.011	-0.032
A004795_01	NA	NA		-0.303	-0.11 NA	NA		-0.174	-0.246
A004799_01		-0.315 NA		-0.008	0.012	-0.26 NA		-0.012	-0.218
A004801_01		0.267	0.183	-0.249	-0.112	-0.026	0.173	0.205	0.444
A004804_01		-0.323	-0.242	-0.338	-0.154	-0.535	-0.347	-0.223	-0.028
A004805_01		-1.292 NA		-0.478	-0.301	-1.373 NA		-0.405	-0.378
A004810_01		-1.434	-1.067	-0.128	-0.06	-0.798	-0.436	-0.282	-0.377
A004815_01		-0.38	-0.048	0.106	0.158	0.277	0.343	0.14	0.274
A004820_01		-1.535	-1.618	-0.32	-0.206	-1.118	-0.836	-0.525	-0.546
A004825_01		0.381	0.296	0.155	0.191	-0.159	-0.079	0.034	0.112
A004828_01		0.01 NA		0.177	0.159	0.139	0.09	-0.095	-0.099
A004830_01	NA	NA		0.422	0.41 NA	NA		0.218	0.055
A004837_01		-0.478	-0.038	0.139	0.167	0.178	0.185	0.07	0.146
A004839_01		-0.143	-0.342	-0.466	-0.339	-0.628	-0.524	-0.45	-0.37
A004842_01		0.085	0.152	0.249	0.19	0.072	0.226	0.155	0.051
A004843_01		0.707	0.496	0.192	0.353	0.103	0.18	-0.07	0.263
A004846_01		0.187	-0.199	-1.196	-1.222	-0.623	-0.598	-0.368	-0.358
A004848_01	NA	NA		-0.237	-0.023 NA	NA		-0.318	-0.031
A004853_01		-1.06	-0.648	-0.514	-0.355	-0.574	-0.392	-0.589	-0.473
A004859_01	NA	NA		-0.251	-0.187 NA	NA		-0.987	-1.058
A004860_01		-0.446	-0.232	-0.219	-0.063	-0.251	0.133	-0.017	0.187
A004862_01		0.102 NA		0.029	-0.036	-0.154 NA		-0.138	-0.269
A004863_01		0.269	-0.071	-0.186	-0.203	-0.356	-0.3	-0.055	-0.038
A004866_01		0.174	0.113	0.165	0.078	0.195	0.06	0.091	0.097
A004867_01		0.029	0.171	0.497	0.444	0.372	0.477	0.274	0.123
A004882_01		0.863	0.593	0.505 NA	NA		0.633	0.777	1.117
A004883_01		0.149	0.08	-0.303	-0.14	-0.128	-0.129	0.021	0.044
A004885_01		-0.42	-0.192	-0.055	-0.154	-0.172	0.017	-0.077	-0.186
A004887_01		0.208	0.094	-0.239	0.038	0.213	0.166	0.123	0.234
A004889_01	NA		-0.067	-0.161	-0.083	0.044	-0.248	0.151	0.123
A004891_01		0.027	0.027	-0.18	-0.166	0.091	0.227	0.353	0.481
A004894_01		0.206	-0.078	-0.834	-0.762	-0.102	-0.213	-0.928	-1.063
A004896_01		-0.033	0.046	-0.128	-0.05	0.097	0.124	0.28	0.302
A004901_01	NA	NA		0.324	0.258 NA	NA		0.28	0.282
A004903_01		-0.565	-0.067	0.082	0.012	0.127	0.099	0.162	0.07
A004908_01		-1.134 NA		0.406	0.293	-0.677 NA		0.117	-0.055
A004910_01		-0.654 NA		0.106	0.238	-0.705 NA		-0.549	-0.508
A004915_01		-0.512	-0.159	0.506	0.455	0.369	0.464	0.222	0.238

A004916_01	NA	NA		0.009	0.159	0.241	NA		0.407	0.362	
A004918_01		-0.016	0.016	0.255	0.357	-0.647		-0.454	-0.148	-0.228	
A004921_01		-0.898	-0.883	-0.104	-0.025	-0.163		0.103	0.467	0.354	
A004922_01		0.299	0.192	-0.214	NA	-0.217	NA		NA		
A004927_01		0.417	0.118	-0.73	-0.527	-0.345		-0.127	-0.199	0.042	
A004931_01		0.447	0.575	0.496	0.422	0.86		0.973	0.849	0.786	
A004932_01		0.187	0.531	0.323	0.393	0.178		0.789	0.401	0.667	
A004934_01		0.399	0.193	-0.166	-0.106	0.422		0.627	0.678	0.73	
A004941_01		0.428	0.333	0.101	0.178	0.318		0.291	0.417	0.456	
A004944_01		0.902	0.408	0.136	0.235	-0.214		-0.06	-0.152	0.052	
A004948_01	NA		-0.544	0.308	0.259	-0.262		-0.483	-0.254	-0.293	
A004962_01		0.207	0.092	-0.268	-0.16	-0.593		-0.471	-0.465	-0.333	
A004978_01		0.201	0.426	0.125	0.106	0.865		0.687	0.624	0.472	
A004994_01		0.772	0.746	-0.605	-0.308	-0.063		0.481	0.241	0.527	
A005002_01		-0.825	-0.56	-0.163	-0.088	-0.569		-0.491	-0.274	-0.32	
A005005_01		-1.362	-1.356	-0.591	-0.479	-1.194		-1.033	-0.586	-0.668	
A005009_01	NA		0.105	0.43	0.435	-0.003		0.127	-0.053	0.11	
A005012_01	NA	NA		-0.989	-0.768	NA	NA		-1.387	-1.63	
A005018_01		0.418	0.312	-0.41	-0.158	-0.364		0.338	0.285	0.641	
A005022_01		-0.072	0.126	-0.008	0.013	0.232		0.104	0.01	0.172	
A005023_01	NA		-1.121	0.566	0.566	-0.581	NA		0.02	0.021	
A005029_01		0.309	-0.084	-0.499	-0.418	-0.098		-0.179	-0.16	-0.156	
A005042_01		-0.232	0.406	0.343	0.456	0.885		1.041	0.489	0.818	
A005048_01		0.488	0.662	-0.109	0.09	0.19		0.596	0.045	0.645	
A005065_01		-0.067	0.167	0	0.07	0.458		0.55	0.313	0.428	
A005067_01		-0.604	-0.238	0.031	0.134	0.087		0.139	0.413	0.356	
A005068_01		-0.041	0.003	-0.685	-0.512	-0.3		-0.198	-0.213	-0.2	
A005069_01		0.367	0.046	-1.173	-0.881	-0.748		-0.632	-0.478	-0.387	
A005075_01		-0.626	-1.613	NA	NA	-1.298		-1.434	NA	NA	
A005084_01		0.088	0.327	0.073	0.143	0.368		0.352	0.238	0.224	
A005086_01		-1.965	-0.867	-0.05	0.073	0.576		0.857	0.848	0.921	
A005093_01		-0.908	-0.362	-0.172	-0.068	-0.101		-0.15	-0.282	-0.139	
A005095_01		0.392	NA	-0.235	-0.053	-0.023	NA		-0.17	0.047	
A005097_01		0.448	0.412	0.153	0.217	0.305		0.754	0.382	0.605	
A005122_01		0.131	0.255	0.25	0.304	-0.072		-0.129	0.068	0.13	
A005126_01	NA	NA		0.46	0.436	-0.285	NA		-0.113	-0.087	
A005129_01		0.408	0.46	0.272	0.231	0.342		0.568	0.03	-0.053	
A005132_01		-0.457	0.005	-0.499	-0.259	0.253		0.101	0.407	0.314	
A005145_01		0.179	0.015	-0.125	-0.094	-0.453		-0.362	-0.348	-0.367	
A005146_01		-0.151	-0.366	-0.553	-0.335	-0.177		-0.33	-0.258	-0.105	
A005155_01		-1.226	-1.697	-2.002	-1.315	-1.724		-1.524	-1.033	-0.675	
A005160_01		-0.519	-0.342	-0.585	-0.396	-1.223		-0.847	-0.954	-1.012	
A005162_01		0.104	0.174	0.081	0.278	0.154		0.198	0.143	0.295	
A005163_01		0.475	0.382	0.255	0.084	0.053		0.036	-0.08	0.028	
A005164_01		0.379	0.547	-0.06	0.13	0.313		0.757	0.737	0.804	
A005167_01		0.189	0.052	-0.163	-0.02	-0.053		0.083	0.023	0.134	
A005171_01		-1.082	-0.483	-0.315	-0.428	-1.339		-0.194	-0.133	-0.27	
A005173_01		-0.352	-0.009	-0.135	-0.08	0.133		0.078	0.085	-0.049	
A005175_01		0.499	0.727	-0.301	-0.173	0.151		0.415	0.399	0.563	
A005176_01		1.386	1.48	-2.538	-1.912	0.828		0.823	1.761	1.876	
A005178_01		-0.33	-0.123	-0.533	-0.328	-0.359		-0.17	-0.118	0.131	
A005179_01	NA	NA		-0.156	-0.174	NA	NA		-0.3	-0.42	
A005180_01		-0.349	-0.156	-0.263	-0.194	-0.184		-0.064	-0.039	0.089	
A005182_01		0.479	0.453	-0.32	-0.324	0.719		0.781	0.201	0.185	
A005187_01		0.583	0.182	-0.059	0.081	-0.08		-0.098	0.085	0.093	
A005188_01		0.339	0.04	-0.054	0.047	-0.511		-0.533	-0.27	-0.224	
A005190_01	NA	NA		-0.755	NA	NA	NA		-0.055	0.173	
A005195_01		-0.087	0.264	-0.364	-0.351	-0.274		0.159	0.041	0.073	
A005196_01	NA	NA		-0.068	NA	NA	NA		0.394	0.606	
A005197_01		0.303	0.079	-0.544	-0.501	-0.191		-0.03	-0.197	-0.138	
A005199_01		0.306	0.143	-0.132	NA	0.202		0.052	0.389	0.365	
A005203_01		0.118	0.132	-0.188	-0.041	-0.426		-0.264	-0.204	-0.022	
A005204_01		-0.111	-0.07	-0.48	-0.411	-0.18		-0.274	0.143	0.071	
A005208_01		-1.631	NA	-2.296	-1.348	NA	NA		-1.621	-1.637	
A005209_01	NA	NA		-0.624	-0.458	NA	NA		-0.1	0.045	
A005211_01		0.565	0.466	-0.358	-0.171	-0.213		-0.069	-0.164	0.078	
A005214_01		0.203	-0.104	-0.171	NA	-0.137		-0.279	0.147	0.156	
A005220_01		0.555	0.685	-0.223		0.13		0.44	0.758	0.117	0.81

A005223_01		0.115	NA		-0.669	NA		-0.419	NA		-0.851	NA
A005224_01	NA		NA		-0.139		-0.04	NA		NA	0.096	-0.018
A005227_01		-0.079		0.223	0.161		0.233		0.553	0.48	0.447	0.49
A005234_01		0.513		0.405	-0.19		0.112		0.411	0.66	0.466	0.849
A005236_01		-0.242		0.224	-0.062	NA			0.387	0.379	NA	0.624
A005239_01		0.201	NA			NA		0.004	0.094	0.009	0.216	0.146
A005246_01		-0.742		-0.536	-0.996		-0.672		-0.447	0.074	-0.379	-0.151
A005247_01		-0.541		-0.419	0.084		-0.1		-0.62	-0.449	-0.337	-0.41
A005249_01		0.197	NA		0.384		0.445		0.419	0.59	0.506	0.522
A005251_01	NA		NA		0.058		0.269	NA		NA	NA	NA
A005260_01		0.348		0.236	0.108		0.054		-0.011	-0.046	0.123	0.046
A005262_01		0.356		0.324	-0.526		-0.323		-0.13	0.103	-0.211	0.156
A005267_01	NA		NA		0.231		0.229		-0.572	-0.243	-0.091	-0.016
A005278_01		0.095		-0.066	0.087		0.117		0.051	0.118	0.294	0.353
A005279_01		0.01		-0.016	-0.66		-0.437		-0.32	-0.002	-0.491	-0.469
A005302_01		-0.556	NA		0.371		0.265		0.142	NA	-0.133	-0.086
A005305_01		0.132		0.037	-0.221		-0.083		-0.103	-0.021	-0.163	-0.025
A005310_01		0.902		0.821	0.19		0.387		0.158	0.942	0.307	0.957
A005332_01		0.415		0.227	-0.104		-0.035		0.3	0.168	0.141	0.252
A005335_01		-0.347		-0.427	-0.443		-0.419		-0.006	-0.048	-0.124	-0.189
A005338_01	NA			0.404	-0.366		-0.261	NA		-0.836	-1.143	-1.081
A005346_01	NA		NA		-0.402	NA		NA		0.027	0.199	0.346
A005354_01	NA		NA		-0.89		-0.55	NA		NA	-0.778	-0.442
A005356_01		1.283		0.691	0.378		0.322		0.709	0.743	0.436	0.532
A005357_01		-0.531		-0.125	0.221		0.208		0.42	0.323	0.429	0.415
A005366_01		-2.086		-1.67	0.62		0.517		-1.103	-0.572	-0.001	0.038
A005367_01		-0.276	NA		0.057		0.068		-0.113	NA	-0.062	-0.334
A005368_01		0.653		0.49	-0.051		-0.035		0.159	0.11	0.236	0.226
A005371_01		0.204		0.494	-0.47		-0.306		0.038	0.355	0.634	0.665
A005376_01		0.628		0.424	-0.192	NA		NA		0.259	NA	0.268
A005377_01		0.721		0.654	-0.129		-0.025		0.5	1.205	1.131	1.28
A005384_01	NA		NA		NA		NA		NA	NA	NA	NA
A005386_01		0.286		-0.275	0.043		0.154		-0.331	-0.472	-0.107	-0.073
A005389_01	NA		NA		-0.552		-0.378	NA		NA	-0.626	-0.557
A005390_01		0.028		-0.192	-0.875		-0.811		-0.395	-0.625	-0.288	-0.206
A005391_01	NA			-0.161	-0.385		-0.335		-0.251	NA	-0.485	-0.437
A005394_01		-0.658		-0.779	-1.2		-0.957		-1.451	-1.437	-1.058	-1.047
A005395_01		-0.129		-0.113	-0.286		-0.182		-0.074	-0.143	0.005	-0.177
A005401_01		-0.396	NA		0.061		0.07	NA		-0.283	-0.523	-0.688
A005403_01		-0.874		-0.868	0.258		0.156		0.022	-0.029	0.615	0.56
A005407_01		-0.355		-0.111	0.288		0.134		0.413	0.192	0.184	0.016
A005410_01		0.706		0.504	0.133		0.14		0.502	0.291	0.742	0.839
A005411_01		0.699		0.598	-0.145		0.049		0.178	0.472	0.317	0.696
A005413_01		0.175		0.04	0.047		0.15		-0.102	0.254	0.07	0.252
A005414_01	NA		NA		0.183		0.049		0.168	0.132	0.097	-0.027
A005416_01		0.36		0.323	-0.523		-0.515		0.265	0.294	0.609	0.676
A005417_01		0.591		0.307	0.298		0.342		0.199	0.308	0.255	0.384
A005426_01		0.415		0.639	-0.027		0.047		-0.729	-0.296	0.006	0.027
A005431_01		-0.717		-0.389	-0.053		-0.055		-0.175	NA	-0.21	-0.178
A005434_01		-1.314		-0.934	-0.729		-0.601		-0.876	-0.484	0.111	-0.215
A005439_01		-0.247		-0.428	0.296		0.313		0.18	0.113	0.105	0.186
A005477_01		0.946		0.62	-0.078		0.061		0.064	0.407	-0.448	-0.123
A005500_01		-0.076		-0.341	0.015		0.001		-0.259	-0.384	0.076	-0.146
A005506_01		-0.417		-0.461	-0.328		-0.248		-0.525	-0.433	-0.336	-0.217
A005518_01		0.379		0.346	-0.181	NA		NA		0.117	NA	NA
A005521_01		-0.408		-0.532	0.437		0.339		-0.591	-0.743	-0.22	-0.359
A005522_01		0.591		0.315	-0.531		-0.301		0.357	0.333	-0.304	0.132
A005526_01		0.663		0.039	-0.175	NA			0.074	-0.213	0.051	NA
A005532_01		0.022		-0.132	-0.249		-0.228		-0.391	-0.308	-0.202	-0.278
A005542_01		0.196		0.033	-0.225		-0.068		-0.235	-0.264	-0.069	-0.178
A005552_01		0.41		0.667	NA		-0.796		-0.354	0.507	-0.226	0.487
A005553_01		-0.654		-0.332	-0.002		-0.095		-0.716	-0.515	-0.092	-0.353
A005557_01		0.435		0.505	0.157		0.181		0.613	0.439	0.249	0.33
A005558_01		0.082		0.15	-0.613		-0.342		-0.079	0.142	-0.204	0.285
A005562_01		0.184		0.156	0.313		0.375		0.45	0.436	0.593	0.508
A005564_01		-0.841		-0.473	-0.418		-0.301		-0.078	0.191	0.426	0.612
A005571_01		-0.45		-0.551	-0.085		-0.104		-0.772	-0.79	-0.553	-0.762
A005576_01		-1.433		-1.931	NA		-1.971	NA		-1.775	-1.619	-1.94

A005577_01		0.607	0.376	0.067	0.157	0.194	0.399	0.259	0.496
A005583_01		-0.192	0.056	0.32	0.244	0.213	0.372	0.184	0.167
A005588_01		1.112	0.789	-0.161 NA		0.531	0.549	0.341	0.825
A005589_01		0.682	0.613	-0.08	0.003	0.273	0.493	0.242	0.737
A005590_01		-0.453	-0.695	-0.943	-0.601	-1.408	-1.189	-1.241	-0.886
A005591_01		0.02	-0.013	0.04	0.061	-0.328	-0.317	-0.224	-0.414
A005592_01		0.076	0.422	-0.176	-0.094	-0.012	0.178	0.157	0.009
A005594_01		0.198	0.097	-0.349	-0.233	0.146	0.066	0.225	0.263
A005600_01		1.064	0.69	-0.235 NA		0.307	0.457	0.19	0.764
A005601_01		0.908	0.736	-0.15	0.097	0.38	0.476	0.303	0.689
A005609_01		-0.024	-0.008	-0.012	0.086	-0.129 NA		0.101	0.21
A005613_01		-0.933	-0.718	0.509	0.282	-0.226	-0.248	-0.109	-0.407
A005615_01	NA		-0.689	-1.049	-0.839	-0.791	-0.972	-0.695	-0.49
A005616_01		0.474	0.389	-0.047	0.026	0.246	0.516	0.47	0.687
A005620_01		-0.147	0.407	0.036	0.124	0.309	0.51	0.17	0.354
A005629_01		-0.299	-0.158	0.49	0.387	-0.207	-0.217	-0.043	-0.252
A005636_01		-0.032	0.337	-0.287	-0.118	-0.366	0.445	-0.015	0.503
A005646_01		0.293	0.095	-0.142	-0.094	-0.204	-0.075	0.116	0.111
A005648_01		1.294	1.165	0.197	0.198	-0.044	0.011	-0.153	-0.088
A005655_01		-0.025	-0.018	0.115	0.175	0.295	0.237	0.085	0.209
A005659_01	NA	NA		0.296	0.261 NA	NA		0.17	0.153
A005661_01		-2.179	-3.093	-3.783	-2.642	-2.462	-2.138	-2.379	-2.32
A005677_01		0.235	0.113	-0.098	-0.174	0.287	0.213	-0.016	-0.026
A005680_01		-0.108	-0.406	-0.612	-0.514	-0.78	-0.924	-0.708	-0.807
A005687_01		1.389	1.311	0.546	0.58	0.728	0.704	0.545	0.666
A005688_01		0.391	0.397	-0.757	-0.466	0.035	0.492	0.57	0.816
A005690_01		0.156	0.167	-0.069	-0.044	0.117	0.093	0.223	0.312
A005692_01	NA	NA		0.389	0.279 NA	NA		0.152	0.318
A005695_01		0.957	0.862	0.419	0.535	0.46	0.503	0.16	0.239
A005699_01		0.179	-0.008	-0.213	-0.151	-0.842	-0.732	-0.61	-0.516
A005701_01		-1.169	-0.528	0.176	0.409	0.025	0.16	-0.207	0.018
A005702_01	NA	NA		-0.237 NA	NA	NA	NA	NA	NA
A005703_01	NA	NA		0.417	0.384 NA		-0.143	-0.236	-0.236
A005706_01		0.4	0.427	0.058	0.291	-0.183	-0.048	-0.093	0.272
A005707_01		0.855	0.603	-0.197	0.247	-0.171	-0.046	-0.135	0.253
A005708_01		0.823	0.603	-0.079	0.138	-0.2	-0.115	-0.146	0.037
A005709_01		0.637	0.601	-0.095	0.073	-0.309	-0.186	-0.108	0.025
A005710_01		0.746	0.447	-0.766 NA		0.111	0.232 NA		0.757
A005712_01		0.656	0.44	-0.753	-0.554	0.149	-0.04	-0.12	0.102
A005713_01		0.176	-0.383	-0.215	-0.194	-0.302	-0.372	-0.491	-0.274
A005714_01		-1.733	-2.327	-2.534	-1.928	-2.026	-1.914	-1.789	-2.076
A005715_01		0.008	-0.224	-0.348	-0.052	-0.51	-0.62	-0.54	-0.198
A005718_01		0.702	0.516	0.111	0.196	0.173	0.344	0.168	0.455
A005719_01		0.516	0.461	-0.358	-0.148	-0.286	-0.066	-0.13	0.261
A005720_01		0.744	0.686	-0.277	-0.031	-0.624	-0.478	-0.247	-0.192
A005721_01		0.744	0.574	-0.067	0.084	-0.417	-0.36	-0.302	-0.224
A005722_01		0.033	-0.207	-0.951 NA		-0.579	-0.584	-0.431	-0.332
A005723_01		-0.04	-0.228	-1.044 NA		-0.642	-0.699	-0.746 NA	
A005725_01		0.341	0.056	0.109	0.129	0.282	0.099	0.096	-0.049
A005726_01		-0.789	-0.909	-0.561	-0.251	-1.616	-1.286	-0.876	-0.7
A005727_01		-4.053	-4.429	-1.386	-0.878	-3.698	-2.956	-2.668	-2.672
A005729_01		0.452	0.749	-0.445	-0.212	0.949	1.613	1.337	1.819
A005730_01		0.064	-0.233	-0.883	-0.48	-0.85	-0.641	-0.742	-0.561
A005731_01		0.987	0.744	-0.172	0.003	-0.162	-0.007	-0.163	0.125
A005732_01		0.613	0.46	-0.249	-0.053	-0.087	0.216	-0.019	0.328
A005733_01		-0.074	0.442	-0.336	-0.196	1.035	0.786	1.022	0.901
A005736_01		-0.196	0.228	-0.065	-0.144	-0.042	0.401	0.608	0.667
A005739_01		-0.116	-0.091	-0.423	-0.114	-0.16	0.096	-0.539	-0.389
A005740_01		0.788	0.636	0.006	0.286	0.328	0.659	-0.01	0.501
A005741_01		0.007	0.082	0.263	0.259	-1.01	-0.22	-0.238	-0.194
A005742_01		-0.918	-0.643	-0.517	-0.339	-0.742	-0.324	-0.189	0.104
A005743_01		0.213	0.132	-0.383	-0.201	0.593	0.478	0.4	0.43
A005744_01		-0.288	0.033	0.146	0.135	0.417	0.461	0.266	0.209
A005745_01		-0.106	-0.12	-0.53	-0.26	-0.061	-0.109	-0.098	-0.277
A005746_01		-1.399	-1.192	-0.628	-0.409	-1.358	-0.891	-0.73	-0.678
A005749_01		-0.082	-0.189	-1.015	-0.836	-0.656	-0.372	-0.306	-0.454
A005750_01	NA		0.16	-0.214 NA		0.502	0.244 NA	NA	NA
A005751_01		0.03	0.27	0.287	0.448	0.119	0.548	-0.133	0.074

A005754_01		0.586	0.458	-0.382	NA		-0.383	-0.374	-0.251	0.144
A005755_01		0.933	0.642	-0.486		-0.136	-0.036	0.083	-0.406	-0.017
A005763_01		0.913	0.714	0.298		0.534	0.481	NA	-0.113	0.133
A005766_01		-0.244	-0.162	-0.141		0.065	-0.609	-0.31	-0.429	-0.205
A005771_01		-0.825	-1.145	-0.854		-0.623	-1.192	-0.884	-0.664	-0.48
A005782_01	NA	NA		-0.259	NA	NA	NA	NA	NA	
A005783_01	NA	NA		0.358		0.417	NA		-0.745	-0.659
A005784_01	NA	NA		0.193		0.205	0.559	0.383	0.167	-0.083
A005787_01		0.732	0.654	0.341		0.349	0.561	0.453	0.448	0.476
A005792_01		0.617	0.387	0.471		0.505	0.283	0.285	0.184	0.05
A005827_01		0.785	0.39	-0.341		-0.064	0.652	0.958	0.354	0.612
A005834_01		0.651	0.491	-0.015		0.158	-0.011	0.152	-0.095	0.21
A005835_01		-1.714	-1.132	0.134		0.252	-0.723	-0.34	-0.069	-0.135
A005839_01		0.112	0.423	-0.027		0.127	0.633	0.766	0.683	0.884
A005845_01		-0.533	-0.64	-0.802		-0.597	-0.493	-0.568	-0.556	-0.725
A005846_01		0.339	0.359	-0.169		-0.033	0.335	0.584	0.241	0.541
A005856_01		0.089	-0.017	-0.285		-0.183	-0.168	-0.251	-0.209	-0.146
A005864_01		-0.22	-0.05	-0.334		-0.122	-0.685	-0.461	-0.546	-0.685
A005869_01		0.181	0.031	-0.524	NA		-0.079	0.192	NA	0.491
A005870_01		1.305	0.291	0.008		0.079	0.115	0.113	0.242	0.312
A005879_01	NA	NA		0.147		0.16	-0.333	NA	-0.159	-0.317
A005885_01		-0.048	NA	0.009		0.119	0.113	0.114	-0.078	-0.021
A005906_01		-0.245	-0.422	-1.686		-1.4	0.688	1.08	0.739	1.148
A005910_01		0.78	0.78	-0.865		-0.575	0.059	0.436	-0.009	0.5
A005911_01		0.663	0.523	0.167		0.228	0.084	0.551	0.074	0.242
A005914_01		-0.22	-0.204	-0.475		-0.365	0.341	0.291	0.358	0.508
A005915_01		-0.663	-0.396	-0.223		0.075	-0.119	-0.169	0.061	0.357
A005916_01		-0.169	-0.229	-1.197		-0.884	-1.357	-1.205	-1.059	-0.868
A005926_01		0.378	0.047	-0.047		0.118	0.201	0.268	0.079	0.266
A005928_01	NA	NA		0.123		0.364	NA	NA	-0.24	0.017
A005930_01		0.112	0.09	-0.275		-0.009	0.051	0.141	-0.111	0.082
A005933_01		0.559	0.412	0.128		0.203	0.119	0.19	0.272	0.361
A005935_01		0.08	-0.061	-0.293		-0.115	-0.375	-0.174	0.058	0.117
A005936_01	NA	NA		0.276		0.256	-0.105	NA	0.071	0.081
A005938_01		-0.535	-0.149	0.331		0.201	-0.026	-0.037	0.09	-0.049
A005939_01		-0.044	0.13	0.126		0.142	0.111	0.232	0.144	0.339
A005946_01		-0.813	-0.819	-1.103		-0.831	-0.59	-0.671	-0.791	-0.872
A005948_01		0.07	0.131	0.112		0.165	0.078	0.299	0.024	0.229
A005949_01		-0.305	-0.393	NA	NA		-0.956	NA	NA	NA
A005954_01		-0.661	-0.288	0.368		0.311	0.154	0.236	-0.094	-0.032
A005955_01		0.043	0.318	0.141		0.366	0.169	0.41	0.057	0.188
A005958_01		0.272	-0.004	-0.44		-0.313	-0.056	0.106	0.028	0.235
A005959_01		0.091	0.46	0.312		0.296	0.14	0.716	0.245	0.48
A005962_01		-0.205	-0.891	0.374		0.126	-0.634	-0.939	-0.277	-0.388
A005963_01	NA		-0.478	-0.068		0.097	-0.51	-0.572	-0.264	-0.062
A005965_01		0.484	0.629	-0.334		-0.193	0.385	0.629	0.324	0.5
A005969_01		0.039	0.39	0.48		0.497	-0.671	-0.008	-0.019	0.156
A005972_01		0.326	0.086	-0.257		-0.261	0.181	0.29	0.212	0.341
A005981_01		-0.147	0.185	0.562		0.214	0.14	0.347	0.31	0.305
A005984_01		0.696	0.47	-1.072	NA		-0.971	NA	-0.864	NA
A005989_01		-0.417	-0.488	0.037		-0.089	-1.569	-0.929	-0.291	-0.738
A005991_01		1.146	1.434	-2.179		-1.912	0.457	0.642	1.705	1.87
A005992_01		0.44	0.492	-0.272		-0.033	0.19	0.024	0.147	0.326
A005999_01		0.875	0.413	-0.812		-0.509	0.161	0.351	0.58	0.911
A006003_01		0.488	0.252	-0.025		0.17	0.308	0.313	0.423	0.523
A006014_01		0.005	0.053	0.698	NA		0.071	NA	-0.004	NA
A006015_01		0.425	0.469	0.558		0.074	0.351	0.111	0.231	0.092
A006017_01		-0.265	-0.399	0.051		0.048	-0.165	-0.188	-0.252	-0.205
A006021_01		-1.191	-0.568	0.228		0.197	-0.646	-0.134	0.322	0.255
A006022_01		-0.366	0.318	0.202		0.444	NA	1.413	0.615	0.943
A006027_01		0.097	0.504	-0.511		-0.131	-0.304	0.527	0.137	0.647
A006030_01		0.519	0.631	0.367		0.569	0.166	0.609	0.173	0.408
A006032_01		-0.829	-0.11	0.017		0.047	0.481	0.519	0.4	0.476
A006033_01		1.015	0.656	0.265		0.364	0.398	0.313	0.081	0.289
A006034_01		-0.169	0.048	0.033		0.075	-0.276	-0.252	-0.34	-0.473
A006035_01		-0.055	0.216	-0.658		-0.288	-0.341	NA	0.112	0.246
A006036_01	NA	NA		0.162		0.218	NA	NA	NA	0.007
A006039_01		0.347	0.491	0.879		0.963	0.327	0.467	0.5	0.718

A006040_01	0.458	0.099	-0.255	-0.439	-0.094	-0.365	0.001	-0.251
A006041_01	-0.591	-1.039	-0.926	-0.776	-1.001	-1.246 NA		-1.029
A006042_01	0.519	0.257	-0.126	-0.081	0.348	0.254	-0.086	0.104
A006043_01	0.365	0.34	-0.342	-0.194	0.372	0.804	0.487	0.654
A006045_01	-0.227	0.326	0.262	0.234	-0.199	-0.278	-0.032	-0.235
A006046_01	0.61	0.652	0.025	0.239	0.374	0.835	0.105	0.3
A006048_01	-0.505	0.11	0.248	0.385	-0.404	0.137	-0.146	0.068
A006049_01	-2.086	-2.835	-2.636	-1.8	-2.03	-1.2	-1.374	-1.731
A006050_01	0.258	0.341	0.493	0.39	0.593	0.508	0.026	0.05
A006051_01	-1.909 NA		-0.258	-0.152	-1.285	-0.881 NA		-0.742
A006052_01	0.512	0.402	-0.917 NA		-0.015	-0.061	-0.265	0.028
A006055_01	0.009	-0.017	-0.02	-0.046	-0.139	-0.094	0.027	0.076
A006056_01	-0.1	0.357	-0.289	-0.2	0.832	0.824	0.662	0.694
A006058_01	-0.483 NA		0.293	0.102	-0.203	-0.203	0.055	-0.442
A006059_01	0.161	0.055	-0.088	-0.012	-0.211	-0.166	-0.292	-0.107
A006060_01	-0.571	-0.04	-0.001	-0.002	0.164	0.318	0.248	0.314
A006063_01	-2.427	-2.023	-2.489	-2.053	-2.46	-1.449	-0.384	-0.544
A006066_01	0.849	0.551	0.117	0.097 NA	NA	NA	NA	
A006068_01	-0.354	-0.006	0.355	0.222	0.575	0.357	0.36	0.207
A006070_01	-0.832 NA	NA	NA	NA	NA	NA	-1.004 NA	
A006073_01	-0.084 NA		-0.159 NA		-0.856 NA	NA	NA	
A006077_01 NA	NA	NA	0.182 NA		-0.183 NA		0.049	0.005
A006078_01	0.155	-0.134	-0.335	-0.339	-0.291	-0.361	-0.118	-0.216
A006079_01	-0.361	-0.184	0.064	-0.007	-0.371	-0.246	-0.149	-0.175
A006082_01	0.146	-0.047	-0.173	-0.145	-0.226	-0.694	-0.406	-0.387
A006085_01	-0.762	-0.489	-0.198	0.106	-0.104 NA	NA		0.026
A006087_01	-2.615	-2.53	0.251	0.293	-2.096	-1.834	-0.688	-0.627
A006089_01 NA		0.656	0.505	0.391	0.602	0.551	0.573	0.416
A006090_01	-2.879	-3.345 NA	NA		-3.839	-2.981 NA	NA	
A006092_01 NA	NA	NA	-0.189 NA	NA	NA	NA	-0.578 NA	
A006095_01 NA	NA	NA	0.271	0.263	-0.366	-0.369	-0.197	-0.032
A006096_01	0.172	0.12	-0.252	-0.203	0.349	0.135	0.003	-0.005
A006099_01	-1.099	-0.963	0.177	0.228	-0.363	-0.15	-0.108	-0.065
A006100_01	-1.052	-1.628	-1.361	-1.037	-1.692	-1.458	-1.144	-1.045
A006101_01	0.451	0.465	0.2	0.392	0.031	0.275	-0.176	0.218
A006102_01	1.162	0.888	-0.049 NA		0.663	0.315	0.694	0.469
A006104_01 NA	NA	NA	0.085	0.113 NA	NA		-1.352	-1.751
A006105_01	-0.657	-0.162	0.654	0.548	0.245	0.233	0.162	0.064
A006110_01	0.723	0.475	0.083	0.109	-0.176	0.032	0.022	0.032
A006118_01	0.207	0.166	0.136	0.15	0.079	0.126	-0.131	-0.084
A006119_01	0.397	0.074	0.261	0.132	0.012	0.019	0.097	0.101
A006123_01	-0.162	-0.055	0.162	0.262	0.101	0.178	0.31	0.178
A006124_01	0.393	0.313	-0.013	0.191	0.129	0.354	0.147	0.461
A006125_01	-0.247	-0.345	-0.251	-0.294	-0.428	-0.244	0	-0.14
A006126_01	0.974	0.478	-0.638	-0.491	-0.288	-0.434	-0.227	-0.354
A006132_01	0.233	0.348	-0.196 NA		0.067	0.215 NA	NA	
A006136_01	0.331	0.19 NA	NA		-0.275 NA	NA	NA	
A006138_01	0.491	0.416	0.027	0.06	0.369	0.352	0.256	0.223
A006143_01	0.11	0.266	-0.156	-0.114	0.191	0.13	0.324	0.295
A006146_01	0.169	0.138	0.035	-0.027	-0.131	-0.097	0.199	0.15
A006152_01	0.202	0.158	0.167	0.063	0.091	0.191	0.355	0.182
A006159_01	0.304	0.303	0.216	0.293	0.021	0.098	0.051	0.155
A006163_01	-0.017	-0.106	-0.378	-0.181	-0.225	-0.236	-0.221	-0.184
A006164_01	-0.443	-0.248	0.068	0.134	-0.101	-0.358	0.002	-0.019
A006168_01	-0.158	-0.147	-0.207	-0.123	-0.148	-0.358	-0.199	-0.322
A006169_01	0.367	0.462	-0.276	-0.126	-0.583	-0.178	-0.369	-0.025
A006172_01 NA	NA	NA	0.241	0.109 NA		0.143	0.335	0.274
A006173_01	0.298 NA		0.071	-0.034	0.02 NA		0.289 NA	
A006175_01	0.638	0.625	0.143	0.209	0.309	0.496	0.208	0.222
A006177_01 NA	NA	NA	0.284	0.373 NA	NA	NA		0.33
A006178_01	0.31	0.267	-0.115	-0.041	0.416	0.154	0.092	0.108
A006181_01	-1.47	-1.795	-1.464	-1.198	-1.495	-1.352	-0.96	-1.322
A006182_01	-0.063	0.011	0.176	0.168	-0.576	-0.449	-0.29	-0.252
A006185_01	0.223	0.29	-0.153	-0.025	0.265	0.486	0.761	0.65
A006189_01	-0.291	-0.331	-0.219	-0.113	-0.047	-0.106	-0.214	-0.342
A006191_01	-1.09	-0.627	0.119	-0.052	-0.375	-0.119	0.047	-0.142
A006193_01	0.274	0.246	0.493	0.206	0.268	0.086	0.365	0.216
A006195_01	1.019	0.777	0.322	0.413	-0.236	-0.116	0.122	0.479

A006197_01	0.594	0.76	-0.05	0.009	0.791	0.88	0.887	0.796
A006199_01	0.334	0.318	0.14	0.217	0.198	0.278	0.144	0.237
A006202_01	-1.179	-0.973	-0.818	-0.781	-0.855	-1.001	-0.507	-0.695
A006203_01	0.736	0.65	0.045 NA		0.202 NA	NA	NA	
A006211_01	0.307	0.456	-0.197	0.016	0.238	0.366	0.482	0.764
A006212_01	0.359	0.335	-0.33	-0.338	-0.301	-0.146	-0.069	0.042
A006214_01 NA	NA		1.013	0.533 NA		0.284	0.299 NA	
A006219_01 NA	NA		0.247	0.045 NA		0.266	0.395	0.284
A006220_01	-0.082	0.088	-0.063	0.213	-0.141	-0.034	-0.343	0.067
A006223_01	-0.038 NA		0.019 NA		-0.351 NA		-0.053	-0.019
A006226_01	-0.21	-0.586	-0.605	-0.423	-1.082	-1.07 NA		-0.773
A006227_01 NA	NA	-0.064	-0.812	-0.581	0.189	0.264	0.127	0.042
A006231_01	-0.102	0.121	0.23	0.235	-0.092	0.086 NA		0.108
A006233_01 NA	NA		-0.483	-0.318	-0.908 NA	NA		-0.621
A006235_01	0.308	0.316	0.456	0.602	0.818	0.782	0.444	0.67
A006239_01 NA	NA		-0.086	0.018	-0.888 NA		-0.795	-0.682
A006242_01 NA	NA		-0.164 NA	NA	NA	NA	NA	
A006243_01	-0.976	-0.549	0.05	0.012	-0.382	-0.396	-0.294	-0.5
A006246_01	-1.461	-0.834	-0.386	-0.352	-0.064	0.198	0.449	0.547
A006251_01 NA		-0.235	-0.269	-0.126	-0.731 NA		-0.596	-0.464
A006252_01	0.32	0.306	0.106	0.189	-0.081 NA		-0.073	-0.071
A006253_01	-0.608	-0.182	0.537	0.273	0.458	0.533	0.225	0.115
A006254_01	-1.314	-0.618	0.08	0.093	-0.873	-0.529	-0.378	-0.255
A006257_01	0.61	0.482	0.017	0.001	0.114	-0.049	0.012	0.034
A006260_01	-0.55	-0.363	0.761	0.529	0.043	0.053	-0.134	-0.184
A006261_01	0.033	0.172	0.497	0.283	0.155	0.108	0.352	0.244
A006263_01	0.234	0.042	-0.155	-0.13	0.034	0.123	0.121	0.149
A006264_01	0.278	0.366	0.548	0.479	1.163	1.046	0.946	0.84
A006269_01	0.857	0.616	0.186	0.184	-0.106	-0.122	0.225	0.122
A006273_01	-0.242	0.274	0.292	0.309	0.232	0.427	0.407	0.47
A006277_01 NA	NA		-0.145	0.2 NA	NA		0.058 NA	
A006278_01 NA	NA		-0.233	-0.148 NA	NA		0.082	0.166
A006282_01	0.564	0.522	-0.612	-0.374	0.605	0.503	0.302	0.427
A006284_01	0.37	0.198 NA	NA		-1.096	-0.812	-0.406 NA	
A006288_01	0.055	-0.331	-0.404	0.003	-1.026	-0.947	-0.681	-0.291
A006291_01 NA	NA		-0.22	0.071 NA	NA		-0.821	-0.503
A006298_01	0.557 NA		-0.365	-0.25	-0.021 NA		-0.184	0.18
A006313_01	0.495	0.476	0.228	0.34	0.253	0.649	0.485	0.821
A006316_01 NA	NA		-0.269 NA	NA	NA		0.371 NA	
A006323_01	0.488	0.507	-0.074	-0.095	0.524	0.507	0.193	0.263
A006324_01	0.326	0.035	0.243	0.272	-0.061	0.054	-0.075	-0.101
A006327_01	0.116	0.337	-0.307	-0.223	0.069	0.16 NA		0.286
A006329_01	0.436	0.392	0.465	0.379	0.715	0.741	0.914	0.925
A006330_01 NA	NA		-0.059	0.294 NA	NA		-0.051	0.009
A006331_01 NA	NA	0.342	-0.063	0.038 NA	NA		-0.169	-0.083
A006342_01 NA	NA		0.223	0.311	-0.09 NA		-0.253	-0.097
A006345_01	-0.152	0.067	-0.786	-0.549	0.048	0.099	-0.366	-0.34
A006350_01	0.791	0.669	0.242	0.256	0.348	0.336	0.206	0.417
A006351_01	0.492	0.299	0.184	0.125 NA		-0.065	-0.248	-0.018
A006357_01	0.635	0.388	-0.048	-0.063	0.229	-0.031	0.018	0.037
A006373_01	-1.041 NA		0.36	0.414	-0.196 NA		-0.003	0.09
A006374_01	0.48	0.318	-0.512	-0.126	-0.226	-0.007	-0.212	0.348
A006378_01 NA	NA		0.094	0.172	0.121	0.208	-0.026	0.037
A006384_01	-0.244	-0.035	-0.663	-0.415	0.086	0.322	0.271	0.527
A006385_01	0.538	0.222	-0.29	-0.203	0.122	0.038	0.064	0.277
A006387_01	0.524	0.58	0.011	-0.031	0.742	0.492	0.55	0.589
A006388_01	0.16	0.123	-0.744	-0.567	-0.939	-0.673	-0.417	-0.284
A006389_01	1.116	0.947	-0.145	0.009	0.311	0.142	0.142	0.366
A006400_01	-0.213	-0.369	-0.268	-0.031	-0.887	-1.189	-0.848	-0.737
A006402_01	-0.31	-0.336	-0.351	-0.201	-0.386	-0.238	-0.373	-0.314
A006419_01 NA	NA		-0.748 NA	NA	NA		-0.442 NA	
A006421_01	-0.86	-0.295	0.275	0.359	-0.577	-0.09	-0.256	-0.109
A006422_01 NA	NA		0.618	0.525 NA	NA		0.197	0.205
A006429_01	0.949	0.55	0.589	0.594 NA	NA		0.208 NA	
A006432_01 NA	NA		0.069	0.072	-0.431	-0.293	0.258	0.144
A006436_01	-0.627	-0.291	0.337	0.249	-0.115	-0.077	-0.089	-0.19
A006441_01 NA	NA	0.126	0.17	0.184	1.604	1.485	1.255	1.419
A006442_01	-0.337	-0.067	0.398	0.524	-0.288	0.055	0.111	0.289

A006451_01		0.626	0.354	-0.344	-0.255	0.143	0.228	0.044	0.392
A006453_01		0.475	0.288	-0.064	0.088	0.409	0.512	0.046	0.333
A006456_01		0.892	0.722 NA		-1.171	-0.195	-0.085	0.064	0.473
A006491_01		0.39	0.271	-0.023	0.046	0.251	0.17	0.442	0.526
A006523_01		0.505	0.318	-0.221	-0.001	-0.111	0.075	-0.03	0.291
A006529_01	NA	NA		-0.233 NA	NA	NA		0.336	0.447
A006550_01		0.472	0.315	0.087	0.078	0.424	0.33	0.353	0.273
A006556_01		0.442	0.249	-0.655	-0.444	0.261	0.146	-0.171	0.009
A006564_01		0.661	0.463	0.041	0.279	0.562	0.49 NA		0.344
A006565_01		0.742	0.433	0.135	0.305	0.472	0.382	0.411	0.622
A006567_01		0.966	0.941	0.2	0.346	1.214	1.173	0.504	0.731
A006568_01		0.045	0.305	0.109	0.239	0.541	0.609	0.584	0.635
A006569_01		0.251	0.2	-0.222	-0.14	0.339	0.17	0.214	0.243
A006573_01		0.606	0.433	-0.407	-0.088	0.075	0.205	-0.083	0.285
A006574_01		0.807	0.615	-0.321	0.017	0.339	0.465	-0.034	0.468
A006575_01		0.706	0.533	-0.097	0.14	0.406	0.495	-0.16	0.336
A006579_01		-0.46	-0.538	-0.729	-0.451	-0.591	-0.689	-0.283	-0.599
A006580_01		0.252	0.046	-0.127	-0.052	0.113	0.22	0.024	-0.039
A006581_01		0.051	0.211	-0.309	-0.281	0.216	0.037	-0.05	-0.133
A006585_01		0.493	0.699	-0.557	-0.045	0.194	0.701	0.19	0.929
A006586_01		0.614	0.549	-0.317	-0.007	0.226	0.564	0.19	0.536
A006595_01		0.139	0.217	0.171 NA		0.672	0.866	0.617	0.835
A006596_01		0.847	1.092	-0.572	-0.22	1.029	1.733	0.865	1.507
A006597_01		1.059	1.013	-0.424	-0.143	0.749	1.392	0.638	0.925
A006598_01		0.96	0.914	-0.443 NA		0.566	1.21 NA		0.8
A006603_01		-0.671	-0.348	-0.067	0.17	-0.303	-0.164	-0.103	0.083
A006610_01		0.321	0.079	0.194	0.249	-0.253	-0.222	0.076	0.067
A006611_01		0.309	0.35	0.474	0.502	0.51	0.466	0.335	0.401
A006619_01		-0.207	-0.213	0.218	0.13	-0.065	-0.237	-0.06	-0.078
A006622_01		0.751	0.706	0.585	0.534	0.957	0.736	0.264	0.347
A006637_01		-0.116	-0.291	-1.13	-0.681	-0.249	-0.262	0.123	0.477
A006660_01	NA	NA		-0.376 NA	NA	NA	NA		0.419
A006664_01		0.137	0.096	-0.649	-0.353	0.111	0.184	0.139	0.471
A006665_01		-1.418	-1.059	0.216	0.036	-0.482	-0.39	0.018	-0.156
A006674_01	NA	NA		-0.008 NA	NA	NA	NA	-0.026 NA	
A006676_01	NA	NA		-0.282	-0.102 NA	NA	NA	-0.114	0
A006681_01		0.554	0.422	-0.06	0.069	0.494	0.441	0.399	0.404
A006684_01		0.422	0.061	-0.33	-0.252	-0.185	-0.207	-0.093	-0.07
A006688_01		-0.693	-0.342	-0.326	-0.118	-0.437	-0.44	-0.384	-0.365
A006689_01		0.661	0.354	-0.013	0.116	0.42	0.355	0.09	0.303
A006692_01		0.01	-0.191	0.186	0.077	0.434	0.302	0.427	0.301
A006694_01		-0.486 NA		0.045	-0.079	0.168	0.333	0.092	0.067
A006696_01		-0.289	0.117	0.144	0.064	0.501	0.381	0.277	0.132
A006708_01		-0.875	-0.719	0.111	0.113	-0.384	-0.296	-0.112	-0.165
A006710_01		0.418	0.364	0.351	0.4	0.473	0.612	0.417	0.536
A006715_01		0.274	-0.058	-0.037	0.059	0.161	0.081	0.078	0.012
A006716_01		-1.172	-1.377	-1.858	-1.763	-1.283	-1.566	-0.997	-1.136
A006724_01		-0.04	-0.024	-0.245	-0.199	-0.59	-0.458	-0.216	-0.359
A006726_01	NA	NA		-0.151	-0.059	-1.126	-0.654	-0.347	-0.298
A006730_01		-0.318	-0.574	0.046	0.188	-0.731	-0.793	-0.273	-0.051
A006733_01		0.675	0.391	-0.32	-0.255	0.522	0.506	0.726	0.671
A006735_01		-0.127 NA		0.124 NA		0.14	0.033	0.253	0.103
A006736_01		0.223	0.787	0.709	0.861	0.436	0.862	0.474	0.832
A006737_01		-0.523	-0.35	0.152	0.094	0.002	-0.092	0.072	-0.04
A006738_01		0.101	0.262	0.094	0.105	-0.131	0.033	-0.098	-0.106
A006742_01		-0.414 NA		0.011	0.161	-0.39	-0.29	-0.493	-0.543
A006744_01		-0.22	0.028	-0.222	-0.221	-0.104	0.003	-0.11	-0.156
A006748_01		0.259	0.026	-0.497	-0.375	0.241	-0.046	-0.035	-0.097
A006754_01		0.62	0.53	0.207	0.262	0.002	0.252	0.075	0.097
A006755_01	NA	NA		-0.343 NA	NA	NA	NA		-0.05
A006761_01		0.928	0.865	-0.153	-0.022	0.663	0.817	0.182	0.45
A006763_01	NA	NA		0.034	0.357 NA	NA	NA	-0.217	-0.199
A006769_01		-0.765	-0.36	-0.479	-0.395	0.304	0.106	0.057	0.069
A006771_01		-0.238	0.285	0.457	0.573	0.57	0.619	0.432	0.711
A006781_01		-0.975 NA		0.336	0.233	-1.002	-1.155	-0.82	-0.838
A006787_01	NA	NA		0.532	0.548 NA		0.228	-0.05	-0.14
A006789_01		0.915	0.695	-0.215	-0.376	-0.178	-0.36	-0.068	-0.185
A006790_01	NA	NA		-0.141	-0.149 NA	NA	NA	-0.062	-0.176

A006794_01		0.046	0.091	0.064	0.194	0.02	0.003	0.034	0.147
A006797_01		-0.35	-0.205	0.134	0.177	0.068	-0.068	0.034	0.045
A006799_01	NA		0.057	0.119	0.322	0.858	0.725	0.198	0.421
A006800_01	NA	NA		0.643	0.596 NA	NA		0.082	0.009
A006802_01		1.257	1.027	-0.821	-0.61	-0.372	-0.882	-1.089	-0.921
A006803_01		-0.082	0.201	-0.089	-0.08	0.037	0.172	0.251	0.244
A006804_01		-0.78	-0.076	-0.101	0.097	0.107	0.169	-0.125	0.114
A006805_01		0.608	0.413	-0.21	-0.074	0.047	0.155	-0.005	0.162
A006806_01		0.69	0.517	0.049	0.042	0.591	0.305	0.298	0.317
A006808_01		0.521	0.529	-0.467	-0.139	0.278	0.365	0.253	0.366
A006809_01		0.659	0.257	-0.534 NA		0.215	-0.002 NA	NA	
A006811_01		0.216	0.529	0.176	0.208	0.075	0.453	0.366	0.295
A006815_01		-0.205	-0.164	-0.166	-0.106	-0.101	-0.148	0.004	-0.284
A006816_01		-0.404	-0.168	-0.377	-0.181	-0.088	0.105	-0.114	0.051
A006817_01		0.067	0.495	0.11	0.263	-0.052	0.3	0.167	0.461
A006819_01		0.178	0.261	0.088	0.095	0.096	0.08	0.077	0.131
A006821_01		-0.047	-0.104	-0.053	-0.035	-0.071	0.009	-0.071	-0.179
A006822_01		0.112	0.446	-0.022	-0.006	0.296 NA		0.384	0.132
A006824_01		-1.818	-2.168	-2.931	-2.462	-1.766	-1.288	-1.487	-2.059
A006826_01		0.075	0.342	-0.399	-0.21	0.647	1.269	0.689	1.062
A006827_01	NA		-0.376	-0.56	-0.403	-0.494	-0.41	-0.718	-0.74
A006828_01		0.732	0.533	0.1	0.028	0.437	0.515	0.445	0.524
A006829_01		-0.298	-0.099	0.396	0.404	0.374	0.259	0.03	-0.096
A006830_01		0.505	0.246	0.192	0.507	0.656	0.748	0.738	0.723
A006831_01		0.033	-0.157	-0.217 NA		0.006	0.044	0.294	0.5
A006832_01		0.035	0.017	0.122	0.294	-0.158	-0.067	-0.311	-0.24
A006847_01		-0.691	-1.225	-2.141 NA	NA		-1.43	-0.84	-0.698
A006849_01		-0.083	-0.017	-0.87	-0.561	0.058	0.084	0.28	0.51
A006850_01		0.445	0.407	-0.266	0.099	0.472	0.348 NA		0.25
A006852_01		-0.319 NA		-0.137	-0.173	0.36	0.231	0.306	0.201
A006854_01		0.276	0.295	0.479	0.395	0.334	0.177	0.428	0.226
A006857_01		0.357	-0.006	-0.041	0.142	0.08 NA		-0.188	-0.177
A006864_01		0.37	-0.01	-0.395	-0.102	0.025	-0.056	-0.059	0.083
A006867_01		0.453	0.23	0.015	0.032	0.326	0.314	0.073	0.091
A006868_01		0.53	0.726	-0.062	0.539 NA		0.872 NA		0.648
A006869_01		0.001	0.126	0.208	0.04	0.141	-0.058	0.099	-0.025
A006871_01		0.366	0.21	-0.105	-0.02	0.183	0.191	0.346	0.353
A006876_01		-0.299	0.11	-0.086	-0.025	-0.313	-0.008	0.015	0.117
A006880_01		-0.33	-0.324	-0.365	-0.229	-0.425	-0.184	-0.122	-0.049
A006882_01		0.175	0.221	-0.024	0.094	-0.322	-0.146	-0.129	-0.151
A006885_01		-0.376	-0.013	0.621	0.685	0.034	0.533	0.35	0.495
A006890_01	NA	NA		0.308	0.24 NA	NA		-0.048	-0.214
A006893_01		-0.163	0.042	0.4	0.555	0.417	0.796	0.648	0.689
A006896_01		-0.133	-0.183	-0.246	-0.076	-0.288	-0.212	-0.017	0.073
A006897_01	NA		0.359	-0.05	0.001	0.213	0.527	-0.024	0.045
A006907_01		0.12	0.066	0.081	0.185	-0.188	-0.059	0.004	0.036
A006913_01		0.041	0.483 NA		-1.066	-0.59	0.019	-0.203	0.108
A006918_01		0.296	0.092	0.048	0.113	-0.089	-0.024	0.215	0.094
A006919_01		-0.133	0.074 NA		0.011	0.632	0.564	0.713	0.811
A006924_01		-0.176 NA		0.239	0.345	-0.138	0.058	-0.159	0.108
A006928_01		-1.042	-0.792	-1.044 NA		-0.384 NA	NA	NA	
A006935_01		-1.379	-1.14	-0.949	-0.7	-0.822	-0.515	-0.317	-0.392
A006937_01		-0.039	0.086	0.242	0.265	0.075	0.154	-0.019	0.049
A006944_01		0.195	0.527	0.489	0.587	0.712	0.892	0.21	0.421
A006948_01		-0.114	-0.228	-0.751	-0.574	-0.239	-0.36	-0.001	-0.033
A006949_01	NA	NA		-0.706	-0.429 NA		-0.438	-0.501	-0.422
A006954_01		0.366	0.23	0.354	0.354	0.297	0.547	0.104	0.429
A006959_01	NA	NA		-0.788	-0.416 NA	NA		-0.563	-0.665
A006971_01	NA	NA		-0.173	-0.141 NA	NA		0.187	0.119
A006972_01	NA	NA		0.272	0.172	-0.397 NA		-0.403	-0.492
A006974_01	NA	NA		0.319	0.344	0.243	0.358	0.575	0.8
A006975_01		-0.356	0.014	0.566	0.583	0.448	0.955	0.672	1.035
A006984_01		-0.24	-0.257	-0.103	-0.084	-0.475	-0.435	-0.221	-0.407
A006988_01		-0.604	-0.574	-0.042	0.029	-0.686	-0.703	-0.327	-0.271
A006992_01		-0.473	-0.423	-0.021	-0.148	-0.331	-0.206	-0.106	-0.316
A007000_01		0.485	0.363	0.529	0.396	0.521	0.64	0.442	0.489
A007002_01	NA	NA		0.167	0.236 NA	NA		-0.035	-0.078
A007010_01	NA		0.15	-0.072 NA	NA		0.176 NA		0.26

A007017_01	NA		0.313	0.173	0.116	0.958	0.727	0.523	0.499
A007021_01		-0.019	-0.172	-0.101	0.001	-0.27	-0.17	-0.011	0.088
A007023_01		-0.772	-0.494	0.023	0.043	-0.795	-0.581	-0.397	-0.496
A007045_01		-0.093	0.033	0.029	NA	0.255	0.008	0.298	0.355
A007051_01	-0.824	NA	NA	NA	NA	-1.199	NA	NA	NA
A007052_01	0.134		0.196	0.05	NA	0.337	0.523	0.467	0.541
A007054_01	-0.875	NA		-0.651	-0.635	-0.812	-0.604	-0.366	-0.513
A007058_01	0.781		0.583	0.224	0.326	0.313	0.331	0.222	0.1
A007061_01	-0.381		-0.847	-1.292	-0.961	-1.184	-1.139	-1.22	-1.126
A007062_01	NA	NA		0.213	0.104	NA	NA	0.247	0.066
A007064_01	0.161		0.119	-0.769	-0.589	-0.663	-0.575	-0.827	-0.768
A007067_01	0.421		0.131	-0.018	0.03	-0.028	0.161	0.082	0.209
A007073_01	-0.281		-0.299	-0.637	-0.445	0.18	0.198	-0.227	-0.178
A007075_01	0.486		0.58	0.37	0.203	-0.021	0.057	0.044	0.053
A007087_01	NA	NA		0.743	0.503	NA	NA	0.005	-0.243
A007090_01	0.205		0.06	0.274	0.26	0.211	0.448	0.208	0.369
A007093_01	0.174		0.217	0.09	0.021	-0.096	0.048	-0.058	-0.175
A007098_01	-0.46	NA		0.194	NA	-0.163	0.226	0.043	NA
A007103_01	0.402		0.214	0.022	0.095	-0.208	-0.133	-0.111	-0.098
A007112_01	-0.288		-0.006	0.37	0.304	0.305	0.175	0.27	0.102
A007117_01	-0.616	NA		0.553	0.515	-0.029	NA	-0.118	-0.133
A007119_01	0.052		0.447	0.286	0.079	-0.033	NA	0.006	-0.083
A007130_01	-0.462		-0.239	0.089	0.086	-0.524	-0.415	-0.237	-0.393
A007131_01	NA	NA		0.281	0.251	NA	NA	0.156	0.053
A007132_01	0.135	NA		0.279	0.286	0.254	NA	0.011	-0.032
A007142_01	0.493		0.235	-0.026	0.059	-0.262	-0.317	-0.209	-0.204
A007148_01	0.09		0.363	0.406	0.367	0.82	0.814	0.327	0.394
A007152_01	NA	NA		0.042	-0.047	NA	NA	-0.322	-0.412
A007153_01	0.195		0.094	0.141	0.017	0.234	0.06	0.154	0.045
A007158_01	0.44	NA		0.098	0.005	NA	0.17	0.085	0.019
A007167_01	-0.477		0.084	-0.046	-0.145	0.454	0.394	0.616	0.632
A007169_01	-0.275	NA		0.069	-0.203	NA	-0.187	0.082	-0.284
A007170_01	NA		0.229	-0.156	-0.093	-0.094	0.119	-0.128	-0.063
A007173_01	0.287		0.23	0.32	0.171	0.154	0.132	0.355	0.114
A007183_01	-0.358		-0.331	0.252	0.207	-0.36	-0.565	-0.204	-0.303
A007211_01	-0.298	NA		-0.361	-0.292	0.345	0.482	0.7	0.757
A007218_01	NA		-0.42	-0.917	NA	NA	NA	-0.903	NA
A007219_01	-0.438		-0.647	-0.088	-0.109	-0.593	-0.245	-0.128	-0.162
A007221_01	-0.31		-0.126	NA	-0.143	0.29	0.195	0.296	0.244
A007222_01	-0.948		-0.643	0.25	0.178	-0.083	0.01	0.225	0.315
A007225_01	NA	NA		-0.124	-0.2	NA	NA	NA	-0.178
A007228_01	-0.086		-0.093	-1.117	-0.78	-0.351	-0.42	0.05	0.055
A007234_01	0.067		0.083	-0.325	-0.148	0.116	0.268	-0.102	0.067
A007242_01	0.416		0.253	-0.407	NA	0.317	-0.02	-0.127	-0.049
A007243_01	1.001		0.77	0.03	0.052	0.841	0.573	0.31	0.266
A007245_01	NA		-0.687	NA	-0.241	NA	-0.582	-0.259	NA
A007246_01	-0.862		-1.641	-1.336	-1.377	-0.78	-0.733	-0.658	-1.063
A007250_01	-0.07		0.097	0.283	0.286	-0.324	-0.293	-0.13	-0.18
A007251_01	1.062		0.653	NA	0.354	0.778	0.604	0.333	0.246
A007252_01	-0.628		-0.356	-0.018	0.075	-0.894	-0.333	-0.425	-0.336
A007255_01	0.358	NA		0.25	0.108	-0.029	NA	NA	0.033
A007256_01	NA	NA		-0.174	-0.295	NA	NA	-0.246	-0.515
A007258_01	-0.847		-0.372	-0.376	-0.141	0.084	0.263	0.237	0.632
A007259_01	-0.07		-0.039	-0.385	-0.138	-0.257	-0.213	-0.199	0.037
A007260_01	0.876		0.749	0.523	0.261	0.485	0.22	0.316	0.087
A007262_01	0.517		0.006	-0.262	-0.007	-0.135	0.045	-0.04	0.18
A007265_01	-0.051		-0.044	0.149	0.102	-0.038	-0.039	-0.13	0.015
A007266_01	-0.753		-0.387	-0.495	-0.359	0.074	0.074	0.378	0.301
A007268_01	0.223		0.198	-0.07	-0.111	-0.021	0.295	0.455	0.436
A007272_01	NA	NA		0.529	0.465	NA	NA	NA	0.282
A007273_01	NA	NA		-0.428	-0.424	NA	NA	-0.377	-0.365
A007274_01	0.252		-0.114	0.281	0.225	0.568	0.424	0.273	0.32
A007275_01	NA	NA		0.238	0.261	0.579	0.363	0.022	0.147
A007277_01	-0.263		-0.265	-0.1	-0.013	0.023	-0.061	0.147	0.185
A007278_01	1.023		0.519	-0.031	0.073	-0.002	NA	-0.374	-0.364
A007279_01	NA	NA		-0.168	-0.244	-0.519	NA	-0.109	-0.318
A007280_01	-0.051		0.471	0.066	0.006	-0.211	0.348	0.545	0.581
A007281_01	-0.146		0.043	0.297	0.231	0.074	0.05	0.063	0.022

A007283_01	-0.723	-0.314	0.416	0.387	0.442	0.315	0.254	0.341
A007284_01	0.523 NA		0.439	0.25	0.481 NA		0.41	0.197
A007285_01	-0.402	0.268	-0.724	-0.42	0.429	0.93	0.337	0.668
A007287_01	-0.847	-0.574	0.189	0.376	-0.542	-0.302	-0.575	-0.553
A007288_01	-1.948	-1.572	0.644	0.342	-0.963	-0.6	-0.038	-0.233
A007290_01	-1.631	-1.426	-0.573	-0.389	-1.145	-0.939	-0.834	-0.949
A007291_01	-0.93	-0.525	-0.865	-0.687	-0.694 NA		-0.238	-0.301
A007293_01	-0.265	-0.102	-0.11	0.075	-0.572	-0.026	-0.001	0.088
A007294_01	0.338	0.419	0.638	0.562	0.814	0.606	0.187	0.204
A007297_01	0.507	0.512	0.13	-0.054	0.275	0.326	0.274	0.113
A007298_01	0.111	0.349	0.048	0.135	0.448	0.443	0.279	0.385
A007299_01	0.178	0.224	0.24	0.076	-0.167	-0.425	-0.553	-0.715
A007300_01	-0.36	-0.428	-1.156	-1.002	-0.853	-0.833	-0.818	-0.866
A007302_01	1.257	0.825	-0.041	0.106	0.92	0.97	0.8	0.952
A007303_01	-0.374	-0.193	-0.525	-0.455	-0.49	-0.309	0.079	0.043
A007305_01	-1.939	-2.108	-3.175	-2.849	-2.806	-2.53	-2.388	-2.269
A007306_01	-0.81	-0.173	-0.227	0.073	-0.209	-0.208	-0.635	-0.257
A007307_01	-0.472	-0.335	0.123	0.101	-0.328	-0.07	0.006	0.103
A007309_01	-0.449	-0.199	0.175	0.049	0.143	0.147	0.061	0.018
A007310_01	-0.24 NA		0.147	0.134	-0.005	-0.173	-0.24	-0.378
A007311_01	-1.741	-1.39	-0.061	-0.024	-1.324	-0.781	-0.369	-0.555
A007313_01	NA	NA	-0.935 NA	NA	NA	NA	NA	NA
A007314_01	0.197	0.33	0.152	0.323	0.028	0.501	0.21	0.458
A007315_01	-0.542	-0.057	0.154	0.168	-0.26	0.455	0.198	0.316
A007317_01	NA	NA	0.279	0.178 NA	NA		-0.214	-0.164
A007318_01	-0.1	-0.023	-1.295	-0.992	-0.357	-0.371	-0.503	-0.539
A007320_01	-0.68	-0.309	0.048	0.089	-0.497	-0.173	-0.329	-0.378
A007322_01	-0.645	-0.452	0.423	0.418	0.138	0.192	-0.191	-0.084
A007324_01	0.619	0.444	0.406	0.367	0.394	0.323 NA		0.345
A007325_01	-1.22	-0.477	0.204	0.083	-0.333	-0.017	-0.264	-0.313
A007327_01	0.256	0.572	-0.481	-0.382	0.187	0.271	0.483	0.647
A007331_01	-0.102	-0.063	-0.056	0.019	-0.427	-0.614	-0.295	-0.26
A007333_01	-0.337 NA		-1.086 NA	NA	NA		-0.811 NA	
A007334_01	0.157	0.388	-0.409	-0.458	1.051	0.713	0.624	0.669
A007335_01	-0.473	-0.036	0.227	0.183	-0.1	-0.016	0.276	0.166
A007336_01	-0.785	-0.164	-0.358	-0.16	0.7	0.64	0.436 NA	
A007338_01	-0.903	-0.798	-0.888	-0.703	-0.663	-0.599	-0.704	-0.643
A007340_01	0.287	0.022	-0.159	-0.174	-0.224	-0.28	-0.326	-0.265
A007341_01	0.569	0.546	-0.079	-0.175	0.5	0.344	0.076	0.009
A007342_01	-0.51	-0.965	-0.932	-0.835	-0.773	-1.026	-0.628	-1.007
A007347_01	0.256	0.396	-0.04	-0.036	0.337	0.45	-0.188	0.178
A007348_01	-1.438	-0.691	0.108	0.095	-0.247	-0.229	-0.288	-0.122
A007349_01	0.238	-0.018	-0.146	-0.224	-0.192	0.019	-0.157	-0.137
A007351_01	0.287	0.279	0.113	0.185	0.617	0.69	0.557	0.768
A007353_01	0.864	1.042	0.279	0.556	0.711	1.421	0.905	1.427
A007354_01	0.541 NA		0.11 NA		0.308 NA		0.48 NA	
A007357_01	-2.016	-1.678	-1.504	-1.105	-1.692	-1.286	-1.387	-1.408
A007361_01	0.607	0.582	0.116	0.249	0.407	0.466	0.413	0.45
A007362_01	-2.003	-1.391	0.267	0.402	-2.109	-1.483	-1.17	-0.665
A007363_01	0.209	0.104	-0.198	-0.174	-0.21	-0.006	0.009	0.124
A007364_01	-0.676	-0.374	0.074	-0.089	-0.181	-0.069	-0.178	-0.271
A007365_01	0.243 NA		-0.403	-0.342	0.096	0.201	0.121	0.14
A007366_01	NA	0.371	0.094	0.107	0.665	0.362	0.453	0.443
A007367_01	-1.081	-0.765	0.125	0.168	-1.286	-0.97	0.22	0.315
A007370_01	-1.176	-1.227	0.058	-0.016	-1.329	-1.151	-1.154	-1.063
A007372_01	-0.493	-0.279	-0.38	-0.28	-0.09	-0.078	-0.042	-0.079
A007373_01	-0.665	-0.712	0.022	-0.154	-0.773	-0.699	-0.47	-0.673
A007375_01	0.205	-0.033	-0.174	-0.254	0.071	0.203	-0.075	0.078
A007379_01	0.57	0.217	-0.391	-0.207	0.223	0.021	-0.411	-0.127
A007382_01	-0.62	-0.784	-0.133	-0.342	-0.534	-0.43	-0.149	-0.149
A007383_01	0.201	0.222	-0.206	-0.092	0.176	0.237	-0.244	-0.092
A007384_01	-0.352	-0.082	-0.208	-0.061	0.194	0.349	0.202	0.301
A007385_01	0.786	0.678	-0.082	-0.042	0.271	0.306	0.419	0.511
A007386_01	-0.342	-0.231	-0.281	-0.164	-0.46 NA	NA		0.068
A007387_01	-0.379	-0.457	0.174	0.156	-0.499	-0.68	-0.483	-0.601
A007394_01	NA	NA	0.132 NA	NA	NA		0.378	0.299
A007395_01	-0.261	-0.015	0.105	0.002	-0.033	-0.009	0.398	0.27
A007405_01	NA	NA	0.273	0.153	0.103	0.12	-0.015	-0.154

A007406_01		-0.599	-0.167	0.13	-0.071	0.071	-0.053	0.016	-0.162
A007409_01	NA	NA		-0.84 NA	NA	NA	NA	NA	
A007414_01		0.158	0.275	-0.858	-0.724	-0.088	0.159	0.051	0.196
A007422_01		0.288	0.319	-0.195	-0.117	0.374	0.215	0.152	0.13
A007424_01		0.427	0.187	0.208	0.184 NA		0.24	0.159	0.301
A007428_01		0.701	0.372	-0.268	-0.291	0.022	0.056	0.142	0.083
A007429_01		-0.656	-0.464	0.045	-0.003	0.702	0.591	0.653	0.631
A007430_01		0.171	0.258	-0.373	-0.272	-0.026	0.358	0.24	0.381
A007431_01		0.389	0.34	-0.008	0.035	0.311	0.004	0.421	0.419
A007433_01		-0.659	0.125	0.218	0.196	0.373	0.607	0.201	0.16
A007434_01	NA	NA		0.135	0.308	0.103 NA		-0.19	-0.088
A007435_01		0.315	0.139	-0.027	0.105	0.036 NA	NA	NA	
A007436_01		0.508 NA		-0.246	-0.011	0.251	0.951	-0.372	0.209
A007438_01		-0.172	-0.177	-0.202	-0.036	-0.128	-0.028	0.005	0.235
A007442_01		0.514	0.39	-0.467	-0.216	0.604	0.7	0.885	1.056
A007445_01		0.615	0.387	-0.317	-0.147	0.194	0.147	-0.02	0.12
A007459_01		0.456	0.325	0.233	0.236	0.278	0.494	-0.026	0.451
A007468_01		0.416 NA		-0.111 NA		0.382 NA	NA		0.619
A007475_01		-2.611	-3.152 NA	NA		-2.578 NA	NA		-2.337
A007479_01		0.295	-0.035	-0.519 NA		0.669	0.517	0.467	0.809
A007484_01		0.339	0.36	0.312	0.065	0.28	0.089	0.222	0.062
A007485_01		0.265	-0.006	0.231	0.225	0.052	-0.11	0.03	0.101
A007498_01		0.325	0.261	0.167	0.254	0.169	0.226	0.32 NA	
A007499_01		-0.816	-0.584	0.159	0.275	-0.148 NA		-0.075	0.097
A007502_01		0.726	0.722	0.102	0.247	0.449	0.497	0.113	0.402
A007508_01	NA	NA		-0.199	-0.007 NA	NA		-0.394	-0.261
A007510_01		0.643	0.236	-0.292	-0.149	0.291	0.391	0.156	0.414
A007513_01		0.173	0.021	-0.537	-0.288	-0.288	-0.068	-0.247	-0.169
A007519_01	NA	NA		-0.45 NA	NA	NA		-0.317 NA	
A007520_01		0.41	0.446	-0.017	-0.08	0.05	0.056	-0.063	-0.066
A007521_01		0.236	0.034	-0.207	-0.168	-0.034	-0.11	-0.075	-0.024
A007522_01		0.27	-0.062	0.194	0.156	-0.068	-0.156	-0.091	-0.257
A007524_01	NA		-0.231	0.134	0.062	0.442	0.209	0.302	0.222
A007526_01	NA	NA		0.128	0.099 NA	NA		0.278	0.24
A007530_01		-0.428	-0.004	0.307	0.318	-0.282	-0.211	-0.098	-0.175
A007535_01		-0.75	-0.633	-0.087	0.122	-0.547	-0.012	-0.041	0.229
A007537_01		-0.637	-0.325	0.003	0.088	0.15	0.211	-0.181	0.012
A007548_01		0.449	0.725	-0.686	-0.482	0.077	0.238	-0.715	-0.533
A007549_01		-0.264	-0.316	0.293	0.144	-0.191	-0.213	-0.175	-0.124
A007554_01	NA	NA		-0.014	0.065 NA	NA		-0.212	0.051
A007555_01	NA	NA		-0.389 NA	NA	NA	NA	NA	NA
A007564_01		0.341	0.159	-0.546 NA		-0.553 NA	NA	NA	
A007565_01	NA	NA		0.14	0.294	0.436	0.711	0.18	0.171
A007567_01		0.326	0.157	-0.34	-0.285	-0.131	0.205	0.104	0.44
A007573_01	NA	NA		-0.331 NA	NA	NA		-0.058 NA	
A007575_01		-1.346 NA		-0.015	-0.068	-0.508	-0.32	0.256	0.064
A007577_01	NA	NA		-0.319	-0.276	0.236	0.541	0.537	0.691
A007582_01	NA		-0.406	-0.347 NA		0.124 NA	NA		0.115
A007584_01		0.4	0.358	0.117	0.18	0.514	0.595	0.273	0.314
A007589_01		-0.258	-0.181	0.127	0.094	-0.036	0.086	-0.173	-0.162
A007590_01		0.288	-0.215	0.058	0.108 NA		0.292	0.402	0.236
A007593_01		-0.369	-0.302	0.189	0.073	-0.004	-0.084	0.039	-0.018
A007596_01	NA	NA		0.533	0.411	0.011	0.462	-0.044	0.015
A007597_01		-1.014	-0.821	0.318	0.087	-0.457	-0.308	-0.067	-0.307
A007599_01	NA		0.465	-0.016	0.063 NA	NA		-0.452	-0.333
A007600_01		0.093	-0.09	0.054	0.082	-0.008	-0.188	-0.135	-0.157
A007604_01		0.948	1.063	0.206	0.243	0.657	0.487	0.227	0.336
A007606_01		0.004	-0.3	-0.221	-0.154	-0.212	-0.291	-0.092	-0.1
A007616_01	NA	NA		-0.011	-0.04 NA	NA		-0.079	0.105
A007618_01		0.823	0.992	-0.001	0.04	-0.186	-0.02	-0.057	0.05
A007620_01		-0.208	-0.188	0.101	0.167	-0.155	0.078	-0.053	0.04
A007621_01		0.596	0.556	0.099	0.11	0.309	0.398	0.266	0.319
A007622_01	NA		-0.408	-0.798 NA		-0.461	-0.653 NA	NA	
A007627_01		-0.846	-1.32	-0.213	-0.104	-1.703	-1.517	-1.169	-1.317
A007630_01	NA		-0.377	-0.016	-0.234	-0.349 NA		-0.126	-0.414
A007644_01	NA	NA		-0.192	0.006 NA	NA		0.059	0.415
A007646_01		-0.351	-0.265	-0.986	-0.782	-0.854	-0.655	-0.543	-0.44
A007648_01		0.259	0.174	-0.092	-0.053	0.171	0.191	0.228	0.354

A007649_01		0.442	0.244 NA		0.111	0.331	0.187	0.106	0.165
A007651_01		-0.33 NA		0.257	0.127	-0.444	-0.305 NA		-0.105
A007654_01		-0.255	-0.057	-0.212	-0.17	0.096	0.209	0.187	0.237
A007656_01	NA	NA		-0.582	-0.32 NA		-1.467	-0.945	-0.849
A007657_01		0.357	0.344	0.11	0.061	0.153	0.151	0.199	0.033
A007659_01		-0.056	0.117 NA		0.231	0.005	0.204	0.022	0.006
A007665_01		0.429	0.149	-0.165	-0.097	-0.258	-0.405	-0.208	-0.484
A007680_01		-0.195	0.016	-0.01	0.13	0.296	0.471	0.275	0.447
A007686_01		0.833	0.859	0.084	0.031	1.051	1.015	0.979	0.903
A007696_01		-0.564	-0.007	0.3	0.432	-0.183	0.044	-0.24	-0.021
A007697_01		-0.1	-0.078	-0.013	0.117	-0.157	-0.048	-0.093	-0.112
A007702_01		0.372	0.098	0.033	0.04 NA		-0.284	-0.145	-0.272
A007704_01		-0.08	-0.092	0.441	0.488	-0.467	-0.232	-0.191	-0.06
A007709_01		0.504	0.366	0.019	-0.09	0.211	0.093	0.374	0.218
A007714_01		-0.385	-0.026	0.239	0.245	0.04	0.179	-0.297	-0.305
A007716_01		0.842	0.491	0.038	0.037	0.111	0.237	0.119	0.245
A007723_01	NA	NA		0.035 NA	NA	NA	NA	NA	
A007725_01		0.256	0.204	-0.044	-0.097	0.003	-0.121	0.018	-0.081
A007727_01	NA	NA		0.356	0.518 NA		0.774	0.212	0.413
A007730_01	NA		-0.306	-0.437	-0.186	-0.606 NA		-0.662	-0.605
A007733_01		-1.226	-1.113	-0.256	-0.09	-0.783	-0.614	-0.377	-0.434
A007736_01		0.323	0.045	0.037	0.22	0.238	-0.072	0.204	0.393
A007739_01	NA	NA		0.11	0.023 NA	NA		-0.175	-0.44
A007744_01	NA	NA		-0.564 NA	NA	NA		-0.654 NA	
A007746_01		0.786	0.971	0.183	0.144	-0.053	-0.197	0.012	0.005
A007749_01	NA	NA		0.324	0.158 NA	NA		-0.149	-0.123
A007750_01		-0.606	-0.089	0.338	0.419	0.461	0.722	0.313	0.574
A007753_01		0.334	0.437	0.304	0.223	0.461	0.394	0.205	0.119
A007756_01		-0.368	0.041	-0.654	-0.517	0.447	0.368	0.286	0.442
A007757_01		-0.039 NA		-0.489 NA		-0.381 NA	NA	NA	
A007759_01		-0.305	-0.283	0.149	-0.143	-0.013	-0.022	-0.045	-0.257
A007762_01	NA	NA		0.111	0.087 NA	NA		-0.052	-0.155
A007765_01		0.06	0.095	-0.568 NA		0.106	0.208	0.419	0.305
A007766_01		0.255	0.124	-0.13	0.007	0.212	0.498	0.467	0.555
A007767_01	NA		-0.132	-0.207	-0.104	-0.48	-0.259	-0.762	-0.783
A007768_01		-1.066	-0.79	-0.045	0.019	-0.449	-0.411	-0.072	-0.082
A007770_01		0.576	0.714	-0.005	0.138	0.829	0.877	0.383	0.635
A007776_01	NA		-0.495	-0.115 NA	NA		-0.806 NA	NA	
A007778_01		-0.087	-0.055	-0.367	-0.402	0.066	-0.008	0.443	0.33
A007781_01		-0.022	0.198	0.303	0.256	0.486	0.528	0.426	0.433
A007786_01	NA	NA		0.24	0.186	0.326	0.34	0.338	0.195
A007791_01		0.158	0.411	0.152	0.126	0.072	0.185	0.232	0.149
A007792_01		-0.011	0.088	-0.206	-0.082	-0.025	0.072	0.02	0.11
A007793_01		-0.175	-0.377	-0.111	-0.079	0.168	0.038	-0.036	-0.057
A007794_01		-0.202	0.269	-0.107	-0.064	0.341	0.618	0.083	0.166
A007795_01		-0.952	-1.162	-0.418	-0.291	-0.48 NA	NA		-0.374
A007797_01		-3.188	-3.115	-0.722	-0.53	-2.532	-2.071	-1.597	-1.397
A007798_01		0.653 NA		0.594	0.503 NA	NA		0.401	0.403
A007801_01		-1.447	-1.089	0.253	0.302	-0.361	-0.092	-0.111	0.01
A007804_01		-0.402	-0.283	-0.856	-0.748	-0.735	-0.678	-0.647	-0.548
A007805_01	NA	NA		-0.076	-0.084	-0.697 NA		-0.492	-0.627
A007806_01	NA	NA		-0.503 NA	NA	NA	NA	NA	
A007808_01	NA	NA		0.084	0.07	-0.242 NA		-0.131	-0.273
A007809_01		-0.456	-0.388	-0.112	-0.101	-0.154	-0.131	-0.218	-0.072
A007810_01		-0.973 NA		-0.181	-0.205	-0.692	-0.642	-0.319	-0.218
A007811_01		0.11 NA		-0.144 NA		-0.263 NA		-0.152 NA	
A007812_01		0.387	0.548	0.485	0.359	1.057	0.759	0.493	0.46
A007814_01		0.759	0.619	0.592	0.637	0.47	0.233	0.038	-0.055
A007815_01		-1.359	-1.545	-2.143	-1.706	-1.943	-1.5	-1.456	-1.626
A007816_01		-0.688	-0.976	-1.681	-1.211	-1.76	-1.415	-1.286	-0.935
A007817_01	NA	NA		0.323	0.45 NA	NA		0.458	0.432
A007820_01		0.406	0.343	-0.161 NA		0.104	0.224 NA	NA	
A007823_01		0.232	0.255	0.141	0.316	0.032	0.197 NA		0.093
A007827_01		-0.81	-0.343	-0.015	0.09	-0.12	-0.004	0.114	0.153
A007829_01		0.181	0.042	0.291	0.301	0.455	0.606	0.673	0.772
A007830_01		0.181	0.169	0.37	0.306	0.522	0.257	0.427	0.216
A007832_01		0.458	0.289	0.013	0.003	0.201	0.103	0.178	0.267
A007833_01	NA	NA		-0.187 NA	NA	NA		0.398	0.279

A007834_01	NA	NA	0.139	NA	0.254	NA	0.208	0.374	
A007835_01		0.075	0.254	0.253	0.367	0.223	0.217	-0.031	0.033
A007836_01		-1.513	-1.371	-0.224	NA	-0.542	-0.734	-0.034	NA
A007840_01	NA	NA	0.26	0.179	NA	NA	-0.236	-0.505	
A007844_01		-0.272	0.366	0.528	0.469	0.634	0.626	0.438	0.446
A007846_01		0.668	0.507	0.211	0.361	0.544	0.66	NA	0.479
A007848_01		0.08	0.031	0.031	-0.041	0.24	0.222	0.085	0.038
A007850_01	NA	NA	0.019	0.153	0.256	0.242	0.088	0.274	
A007852_01		-0.856	-0.548	0.153	0.214	-0.054	0.01	-0.129	-0.079
A007859_01		0.483	0.599	0.462	0.328	0.802	0.719	0.692	0.689
A007860_01		0.451	0.565	0.857	0.608	0.347	0.304	0.139	0.075
A007862_01		-0.755	-0.306	-0.482	NA	-0.319	-0.269	-0.211	NA
A007865_01		0.122	0.131	-0.361	-0.266	0.167	0.338	0.35	0.349
A007868_01		0.662	0.377	0.161	0.194	0.283	-0.035	0.099	0.026
A007870_01		-0.13	-0.138	-0.111	-0.128	-0.112	-0.139	-0.266	-0.121
A007871_01		-0.257	-0.415	-0.39	-0.286	-0.056	-0.14	-0.144	-0.079
A007873_01		0.295	0.106	0.084	0.183	-0.085	-0.374	0.052	0.068
A007875_01		-0.079	-0.024	-0.181	-0.079	-0.049	-0.021	-0.072	-0.013
A007876_01		0.072	0.531	-0.233	-0.119	0.248	0.102	0.023	0.008
A007877_01		-0.253	-0.045	0.116	0.052	-0.151	-0.138	0.032	0.088
A007878_01		-0.959	-0.659	0.005	-0.015	-0.234	-0.371	0.048	-0.143
A007880_01		0.202	0.284	0.297	0.401	0.144	0.221	-0.229	-0.022
A007883_01	NA		-0.102	-0.193	-0.062	-0.021	0.027	-0.214	-0.062
A007885_01		0.41	0.351	0.183	0.217	-0.006	NA	0.088	0.067
A007886_01		0.366	0.306	-0.427	-0.32	0.267	0.496	0.668	0.891
A007891_01		0.085	0.445	-0.323	-0.284	-0.358	-0.213	-0.189	-0.306
A007892_01	NA	NA	-1.307	-1.009	NA	NA	-0.825	-0.62	
A007893_01	NA	NA	-0.475	-0.375	NA	NA	0.342	0.344	
A007894_01		-0.013	-0.12	-0.605	-0.466	-0.366	-0.305	-0.089	0.077
A007896_01		-0.469	-0.574	0.444	0.249	-0.879	-0.89	-0.054	-0.106
A007897_01		1.035	0.908	0.366	0.331	0.489	0.392	0.408	0.59
A007898_01		0.65	0.781	-0.431	-0.316	-0.399	-0.362	-0.141	-0.32
A007899_01		0.578	0.586	0.162	0.246	0.199	0.205	0.295	0.284
A007901_01		-0.42	-0.589	-0.139	-0.232	-0.5	-0.394	-0.129	-0.203
A007902_01		0.496	0.395	0.168	0.092	0.43	0.452	0.317	0.246
A007903_01		-0.621	-0.363	-0.291	-0.294	-0.22	-0.534	-0.229	-0.382
A007905_01	NA	NA	-1.093	-0.81	-0.075	NA	-0.769	-0.801	
A007906_01		0.391	0.417	0.294	0.093	0.124	0.043	0.189	-0.047
A007923_01		-0.012	-0.13	0.265	0.073	-0.186	-0.337	0.099	-0.134
A007924_01	NA	NA	-0.105	NA	NA	NA	-0.123	-0.227	
A007925_01	NA	NA	-0.194	-0.071	NA	NA	-0.262	-0.046	
A007926_01		0.455	0.413	-0.328	-0.212	0.175	0.618	0.149	0.696
A007929_01		-0.17	NA	-0.681	NA	-0.596	NA	-0.207	NA
A007930_01		-0.356	-0.443	-0.161	-0.081	-0.46	-0.371	-0.316	-0.28
A007931_01		0.134	NA	-0.173	NA	-0.296	NA	NA	NA
A007932_01	NA	NA	0.155	0.17	NA	NA	0.059	-0.173	
A007934_01		0.199	-0.087	-0.256	NA	-0.428	-0.531	-0.224	-0.17
A007939_01		-0.416	NA	-0.189	-0.385	-0.349	-0.273	0.17	0.074
A007941_01		0.8	0.291	0.067	0.042	0.096	0.094	0.121	0.069
A007942_01		-0.149	0.281	0.151	0.133	0.02	0.347	0.256	0.411
A007945_01		0.145	NA	0.097	0.173	0.124	NA	0.02	0.072
A007947_01		0.428	0.466	-0.078	-0.151	0.462	0.428	0.374	0.402
A007949_01		-0.227	-0.497	-0.562	-0.357	-1.072	-1.053	-0.897	-0.622
A007950_01		-1.375	-0.988	-0.512	-0.29	-0.293	-0.168	0.349	0.477
A007951_01		-0.16	0.075	-0.3	-0.244	-0.196	-0.229	0.262	0.059
A007952_01		0.421	0.538	0.319	0.257	0.349	0.354	0.141	0.058
A007953_01		0.819	0.428	0.256	0.16	0.159	0.272	0.201	0.129
A007954_01		0.566	-0.096	-0.169	NA	-0.579	-0.667	-0.154	NA
A007955_01		0.431	0.426	-0.2	-0.175	0.562	0.435	0.482	0.304
A007959_01		-0.383	0.041	0.468	0.343	0.295	0.209	-0.112	-0.105
A007961_01	NA		-0.242	-0.335	-0.167	-0.074	0.028	-0.234	0.035
A007964_01		-1.614	-2.163	-3.371	-2.747	NA	-2.569	-2.279	-2.534
A007966_01		-0.273	-0.229	0.383	0.318	0.194	0.321	-0.185	-0.017
A007967_01		0.206	0.366	-0.417	-0.208	0.463	0.382	0.442	0.5
A007969_01		0.514	0.608	-0.126	-0.009	0.538	0.499	0.538	0.452
A007971_01		1.302	0.915	-0.15	-0.164	NA	NA	-0.017	0.149
A007973_01		0.304	NA	0.457	0.213	0.309	NA	0.177	0.037
A007974_01		0.927	1.018	0.228	0.181	-0.088	-0.027	-0.06	-0.058

A007975_01		0.482	-0.259	-0.837	-0.525	-0.272	-0.525	-0.301	-0.116
A007977_01		-1.124	-0.12	0.167	0.403	0.056	0.437	0.012	0.294
A007981_01	NA		0.296 NA		-0.376 NA	NA		-0.687	-0.43
A007982_01		0.528	0.185	-0.324	-0.035	0.201	-0.093	-0.128	0.061
A007983_01		0.64	0.448	0.214 NA	NA	NA	NA	NA	
A007988_01		-0.895	-0.568	0.088	0.103	0.053	-0.073	-0.126	-0.156
A007989_01	NA	NA		-0.323 NA		0.717	0.632	0.689	0.79
A007993_01		-0.908 NA		0.41	0.386	-0.463 NA		-0.381	-0.514
A007994_01		0.4	0.234	0.126	0.113	0.321	0.416	0.248	0.362
A007998_01		0.592 NA		-0.401	-0.186	0.254	0.139	-0.231	-0.083
A008004_01		0.764	0.313	0.425	0.493	0.395	0.41	0.445	0.35
A008005_01		0.009	-0.434	-0.813 NA		-0.521 NA	NA	NA	
A008007_01		-1.241	-1	0.341	0.298	-0.206	-0.377	-0.276	-0.246
A008009_01		0.263	0.037	-0.051	0.107	-0.137 NA	NA	NA	
A008010_01		0.566	0.129	-0.039	0.059	-0.05	-0.186	-0.257	-0.177
A008012_01		-0.24	-0.103	-0.175	-0.042	-0.16	-0.197	-0.154	-0.143
A008014_01	NA		0.105	-0.052	0.073 NA		0.114	0.169	0.337
A008017_01		-1.074	-0.737	-0.024	0.055	-0.891	-0.88	-0.449	-0.538
A008018_01		0.233	0.385	-0.053	0.055	0.226	0.588	0.216	0.424
A008026_01		-0.638	-0.528	0.097	0.104	-0.458	-0.291	-0.313	-0.235
A008027_01		-0.13	-0.184	-0.097	-0.076	-0.008	-0.154	-0.086	-0.13
A008033_01		0.103	-0.002	-0.497	-0.326	-0.021	-0.09	-0.075	-0.04
A008035_01		0.427	0.236	-0.327	-0.058	0.062	0.07	0.032	-0.026
A008036_01		0.253	0.096	-0.469	-0.294	0.296	0.274	0.378	0.172
A008038_01		-0.806	-0.77	-0.359	-0.157	-0.33	-0.267	-0.492	-0.388
A008039_01		-0.706	-0.186	0.115	0.154	-0.512	-0.113	-0.142	-0.061
A008042_01		0.22	0.344	0.296	0.294	0.447	0.374	0.106	0.29
A008043_01		0.368	0.37	0.296	0.385	0.852	0.709	0.854	1.047
A008044_01	NA	NA		0.15	0.008 NA	NA		0.126	0.113
A008047_01	NA	NA		-0.1	0.08	0.085 NA		-0.323	-0.198
A008049_01	NA	NA		0.085	-0.031	0.003 NA		-0.231	-0.486
A008052_01		0.769	0.564	-0.451 NA		-0.3 NA	NA	NA	
A008053_01		-0.3	-0.183	0.18	0.35	-0.414	-0.065	-0.474	-0.263
A008055_01		-1.396	-1.97	-2.515	-2.02	-2.245	-2.114	-1.694	-1.225
A008056_01		-1.896	-2.339	-3.032	-2.504	-3.057	-2.492	-1.335	-1.238
A008060_01		-0.308	-0.958	-0.999	-0.827	-0.534	-0.729	-0.694	-0.747
A008068_01		0.687	0.55	-0.045	0.079	0.748	0.662	0.487	0.66
A008070_01	NA	NA		0.199	0.166	-0.274	0.041	-0.066	-0.123
A008074_01		-0.365	-0.299	-0.401	-0.164	0.321	0.071	0.417	0.345
A008081_01		-0.288	-0.173	0.062	0.141	-0.233	-0.245	0.115	0.111
A008083_01	NA	NA		0.481	0.443 NA		0.094	-0.259	-0.312
A008087_01		0.088	0.194	-0.87	-0.583	0.002	0.3	-0.344	0.171
A008088_01		-0.793	0.018	0.137	0.325	-0.172	0.16	-0.032	0.109
A008089_01		0.241	0.017	-0.052	-0.139	0.021	-0.109	0.316	0.359
A008090_01	NA	NA		0.354	0.213	0.34	0.067	-0.018	-0.05
A008092_01		-0.036	-0.287	0.143	-0.032 NA	NA		-0.094	-0.312
A008094_01	NA		-1.49	0.211 NA		-0.721	-1.12 NA	NA	
A008107_01	NA		-0.35	0.117	-0.064 NA		-0.305	-0.11	-0.542
A008119_01		0.742	0.645	-0.191 NA		0.495	0.745	0.594	0.899
A008122_01		0.494	0.588	-0.867 NA		0.067	0.64	0.359	1.135
A008127_01		0.265	0.073	-0.311	-0.304	0.328	0.331	0.472	0.437
A008130_01	NA		0.29	-0.734 NA	NA	NA	NA	NA	
A008131_01	NA	NA		-0.61	-0.405	-1.039	-0.689	-0.165	-0.077
A008132_01		-0.616	-0.253	0.259	0.23	-0.349	-0.093	-0.011	-0.105
A008133_01	NA		-0.607	0.217	0.085	0.106	0.059	0.019	-0.196
A008135_01		-0.12	0.08	-0.114	0.07	0.02	0.268	0.042	0.203
A008136_01	NA	NA		0.176	0.098	0.245	0.29	0.08	0.156
A008137_01		0.525	0.272	0.233	0.349	-0.455 NA		-0.389 NA	
A008139_01		0.563	0.393	0.182	0.144	0.562	0.562	0.357	0.381
A008143_01		-0.137 NA		-0.53	-0.409	-0.612	-0.741	-0.495 NA	
A008148_01		0.474	0.406	-0.209	-0.09	0.109	0.307	0.24	0.295
A008153_01		0.671	0.535	0.068 NA		0.514	0.644 NA	NA	
A008161_01		-0.246	0.126	0.189	0.277	-0.111	0.131	0.118	0.038
A008164_01		-0.779	-0.57	-0.731 NA		-0.147	-0.367 NA	NA	
A008165_01		0.731	0.344	-0.401	-0.195	0.377	0.647	0.079	0.472
A008166_01		0.115	0.313	-0.638	-0.457	-0.55	0.322	-0.046	0.314
A008170_01		0.171	0.464	0.316	0.061	0.087 NA		0.071	-0.015
A008172_01		0.094	0.035	-0.531	-0.369	-0.636	-0.61	-0.169	-0.511

A008173_01		0.513	0.269	-0.254	-0.25	0.436	0.168	0.61	0.53
A008179_01		0.61	0.319	0.098	0.128	0.086	0.09	0.161	0.017
A008182_01	NA	NA		0.515	0.503	-0.684	-0.824	0.063	0.01
A008183_01		0.005	-0.19	0.04	-0.026	-0.022	0.234	0.127	0.144
A008184_01		0.055	0.282	0.202	0.246	0.171	0.127	-0.034	0.001
A008191_01		0.241	0.311	-0.409	-0.084	0.811	0.83	0.547	0.789
A008198_01		-0.758	-0.405	-0.143	-0.113	-0.608	-0.545	-0.454	-0.455
A008201_01		0.012	0.017	0.111	0.169	-0.292	-0.179	0.057	-0.084
A008202_01		0.224	0.256	0.076	0.083	-0.222	-0.1	-0.174	-0.014
A008212_01		0.115	-0.111	-0.941	-0.652	-0.512	-0.416	-0.656	-0.232
A008213_01		0.329	0.026	-0.02	-0.008	0.057	-0.18	-0.307	-0.379
A008214_01		0.391	0.55	0.513	0.443	0.464	0.81	0.44	0.596
A008215_01	NA	NA		0.35 NA		0.775	0.715	0.89	0.805
A008218_01	NA		0.041	-0.051	0.054	0.018	-0.17	-0.186	-0.217
A008221_01	NA	NA		0.309	-0.064 NA	NA		-0.036	-0.274
A008245_01		0.661 NA		0.362	0.059	0.181	0.48	0.023	0.058
A008247_01		-0.027	-0.084	0.114	0.176	0.207	0.421	0.284	0.262
A008251_01		0.571	0.606	-0.218	-0.103	0.092	0.4	0.046	0.5
A008252_01	NA	NA		0.612	0.553	1.474	1.32	0.91	0.83
A008254_01	NA	NA		-1.58	-1.438 NA	NA		-0.783	-0.384
A008260_01	NA	NA		0.142 NA		0.28	0.234	0.02	0.244
A008262_01		0.187	0.363	0.283	0.221	0.627	0.492	0.102	0.005
A008268_01		0.352	-0.01	-0.268	-0.246	0.087	-0.189	0.591	0.542
A008270_01		0.286	0.309	0.224	0.071	0.632	0.525	0.885	0.617
A008271_01		0.254	0.098	-0.101	-0.079	0.125	0.09	0.211	0.237
A008272_01		0.447	0.423	0.366	0.443	0.729	0.522	0.855	1.078
A008277_01		-0.094	-0.124	-0.379	-0.364	0.067	0.169	0.09	0.243
A008280_01		0.667	0.291	-0.882	-0.973	0.206	0.42	1.466	1.678
A008281_01		0.483	0.485	-0.288	-0.199	-0.292	0.062	0.017	0.253
A008283_01		0.103	0.425	0.221 NA		0.398	0.318	0.154	0.206
A008289_01		0.081	-0.035	-0.36	-0.153	0.132	0.201	0.053	0.249
A008290_01	NA	NA		-0.289 NA		0.162 NA	NA		0.54
A008291_01	NA		0.094	-0.222	-0.005 NA		0.246 NA		0.54
A008292_01		0.237	-0.205	-0.131	-0.044	-0.043	-0.401	-0.171	-0.335
A008300_01		-0.158	0.034	-0.047	0.022	0.574	0.571	0.273	0.114
A008301_01		-0.021	0.101	-0.341	-0.205	0.25	0.171	0.019	0.114
A008302_01		-0.036	-0.164	-0.433	-0.282	0.04	0.049	0.084	0.277
A008303_01		-0.081 NA		-0.478	-0.409	0.162	0.1	0.565	0.556
A008305_01		-1.349	-2.022 NA	NA		-1.821	-1.63	-0.742	-0.661
A008308_01		-0.926	-0.752	-0.054	0.012	-0.265	-0.273	-0.412	-0.469
A008310_01	NA		-0.064	0.141	0.211	-0.035	0.211	0.334	0.394
A008312_01		-0.139	0.31	-0.073	0.092	0.976	0.79	0.212	0.451
A008313_01		-0.039	-0.235	-0.296	-0.291	0.015	-0.054	0.058	0.095
A008314_01		0.049	-0.103	-0.422	-0.259	-0.059	0.036	0.004	0.096
A008315_01		0.808	0.406	-0.535	-0.304	-0.029	-0.134	-0.309	-0.041
A008321_01		0.295	0.084	-0.028	0.144	0.017	-0.272 NA		0.241
A008325_01		0.115	-0.183	-0.113	-0.004	-0.07	-0.204	-0.426	-0.064
A008326_01		0.128	0.09	-0.407	-0.148	0.151	0.168	0.029	0.275
A008327_01		0.248 NA		-0.206	-0.024	0.052	0.065	0.175	0.337
A008329_01		0.282	0.105	-0.008	-0.074	-0.565	-0.489	-0.078	-0.201
A008330_01		-0.62	0.142	0.793	0.555	0.579 NA		0.172	0.01
A008335_01	NA	NA		-0.2	0.071 NA	NA		-0.54 NA	
A008336_01		-0.942	-0.438	0.399	0.466	-0.255 NA		-0.169	-0.195
A008338_01		0.388	-0.044	-0.198	-0.075	0.003	-0.022	-0.174	0.011
A008339_01	NA	NA		-0.244	-0.046	0.149 NA		0.096	0.278
A008342_01	NA		-0.082	0.407	0.314	0.102 NA	NA		-0.002
A008350_01	NA	NA		-0.598 NA		-0.2 NA	NA	NA	
A008351_01	NA	NA		-0.197	-0.068	0.067	0.086	-0.081	-0.011
A008356_01		-0.091	-0.142	0.043	-0.065	-0.385	-0.286	-0.192	-0.422
A008358_01	NA	NA		0	0.24	-0.241 NA		-0.018	-0.006
A008368_01		0.551	0.432	0.005 NA		-0.007	0.088 NA	NA	
A008372_01	NA	NA		0.235	0.204	0.092	0.214	0.4	0.49
A008377_01		0.832	0.376	-0.102	-0.016	0.088	-0.23	0.038	0.182
A008379_01	NA	NA		0.282	0.414 NA	NA		0.049	0.037
A008381_01	NA	NA		0.104	-0.024 NA	NA		0.127 NA	
A008382_01		0.456	0.029	-0.23 NA		-0.071	-0.028 NA	NA	
A008386_01		-0.022	-0.206	-0.878	-0.602	-0.54	-0.595	-0.327	-0.286
A008390_01		0.109	0.127	0.075	0.054	0.4	0.398	0.505	0.651

A008391_01		-0.362	-0.513	-0.298	-0.34	0.071	0.248	0.204	0.372
A008394_01		-0.612	-0.32	0.263	0.108	-0.571	-0.473	-0.163	-0.277
A008397_01		0.253	0.164	0.071	0.076	-0.272	-0.116	-0.181	-0.088
A008398_01		0.041	-0.29	-0.076	-0.066	-0.712	-0.677	-0.273	-0.196
A008408_01		0.142 NA		0.109	-0.232	0.515 NA		0.461	0.355
A008414_01		0.425	0.503	-0.48	-0.165	0.088	0.598	0.072	0.65
A008415_01		-0.856	-0.922	-0.983	-0.869	-0.946	-0.63	-1.238	-1.294
A008423_01	NA		-0.33	0.527	0.367 NA		0.096	0.89	0.986
A008432_01		-0.104	-0.919	-0.491	-0.61	-0.232	-0.623	-0.505	-0.803
A008441_01	NA		NA	0.309	0.105 NA		0.071	0.211	0.124
A008445_01		-0.341	-0.52	-0.428	-0.224	-1.095	-0.878	-0.459	-0.194
A008446_01		-0.247 NA		-0.043	-0.161	-0.222	-0.298	-0.099	-0.507
A008448_01		0.092	0.17	-0.406	-0.254	-0.087	-0.025	0.253	0.414
A008449_01		0.09	-0.245	-0.36	-0.292	-0.24	-0.458	-0.23	-0.396
A008452_01	NA		-1.027	-0.673	-0.4	-0.863	-0.945	-0.998	-0.896
A008453_01	NA		-0.576	0.047	0.193	0.087	-0.049	-0.115	-0.023
A008454_01		0.318	-0.069	0.541	0.198	0.237	0.165	0.085	-0.118
A008459_01		0.223	0.675	0.486	0.418	0.822	0.871	0.711	0.765
A008463_01	NA		NA	0.191	-0.028	0.601	0.503	0.285	0.36
A008472_01		0.439	0.804	-0.168	-0.091	0.317	0.013	0.155	0.034
A008473_01		-0.624	-0.297	-0.146	0.067	-0.539	-0.356	-0.481	-0.339
A008475_01		0.084	0.179	-0.687	-0.514	-0.031	-0.017	0.375	0.385
A008481_01	NA		NA	0.272	0.223	0.315 NA		-0.074	-0.07
A008483_01		-0.255 NA		-0.295	-0.298	-0.167 NA	NA		0.362
A008485_01		-0.049	0.063	-0.061 NA		0.699	0.371	0.569	0.512
A008486_01	NA		-0.055	-0.345	-0.244 NA	NA		-0.474	-0.42
A008499_01		-0.061	-0.302	-0.222	0.012	-0.527	-0.333	-0.423	-0.171
A008500_01		-0.011	0.467	0.224	0.231	0.829	0.732	0.64	0.661
A008505_01		0.227 NA		0.251	0.055	-0.104	0.274 NA	NA	
A008507_01		-0.27	0.096	0.223	0.089	0.243	0.261	0.033	0.002
A008511_01		0.142	0.029 NA		-0.23	-0.663	-0.424	-0.627	-0.445
A008512_01		-1.685	-1.334	-0.421	-0.351	-1.308	-1.105	-0.948	-0.844
A008514_01		-0.117	0.304	-0.181	-0.071	-0.325	-0.156	0.049	0.128
A008518_01		0.048 NA		-1.218	-1.073	0.667 NA		-1.142	-1.544
A008520_01		-0.482	-0.081	0.427	0.182	0.486	0.296	0.814	0.558
A008531_01	NA		NA	0.356	0.441 NA	NA		0.177	0.265
A008532_01		-0.225	0.097	0.36	0.403	-0.075	0.418	0.496	0.524
A008533_01		0.367	0.053	-0.44	-0.443	0.234	-0.008	0.081	0.061
A008534_01		-0.157	-0.237	0.033	0.066	0.38	0.384	0.452	0.633
A008537_01		0.12	0.233	-0.36	-0.17	0.018	0.138	0.007	-0.107
A008538_01		0.035 NA		0.484	0.251	0.232 NA		-0.07	-0.222
A008541_01	NA		NA	-0.458	-0.383	0.898	1.091	0.871	1.166
A008544_01		-0.536	0.035	0.091	0.099	-0.109	0.115	-0.028	-0.138
A008545_01		-0.69	-0.16	-0.669	-0.505	-0.411	-0.383	-0.219	-0.268
A008546_01		-0.269	-0.092	0.52	0.391	0.321	0.353	0.307	0.118
A008548_01		-0.1	-0.537	-0.918	-0.621	-0.166	-0.622	-0.637	-0.66
A008549_01		-1.092	-1.515	-1.061	-0.782	-1.497	-1.369	-1.085	-1.204
A008553_01		-0.911	-1.095	0.251	0.362 NA		-1.524	-0.96	-0.776
A008557_01		0.146	-0.063	0.104	0.079	0.006	0.34	0.302	0.339
A008562_01		-1.912	-2.175	-2.812	-2.284	-1.89	-1.544	-1.03	-1.058
A008564_01		0.023	0.292	-0.127	-0.039	-0.123	0.216	0.048	0.068
A008571_01		-0.996	-0.308	0.105	0.026	0.251	0.052	0.102	-0.044
A008572_01		0.422 NA		0.595	0.441	0.518 NA		0.333	0.352
A008573_01		-0.18	-0.424	-0.335	-0.36	-0.068	-0.014	-0.18	-0.162
A008575_01		-0.094	-0.059	-0.275	-0.275	-0.165	-0.127	0.121	0.056
A008576_01	NA		NA	-0.276	-0.038	0.322	0.598	0.458	0.509
A008578_01		-1.864	-1.787	-0.067	-0.027	-0.953	-0.889	-1.038	-0.96
A008580_01		-0.911	-0.588	0.089	0.054	-0.364	-0.458	-0.105	-0.114
A008582_01		0.437	0.631	0.175	0.38	0.693	1.01	0.67	1.134
A008583_01		-0.263	-0.313	-0.407 NA		-0.5	-0.358 NA	NA	
A008586_01		-0.591	-0.223	0.417	0.249	0.233	0.189	0.37	0.091
A008587_01		-0.734	-1.088	-0.348	-0.242	-1.512	-1.335	-0.735	-0.655
A008588_01		0.336	-0.319	-0.045	-0.183	0.049	-0.119	-0.036	-0.337
A008589_01		-0.558 NA	NA	NA		0.143 NA		-0.224 NA	
A008598_01		0.548	0.433	0.37	0.219	0.355	0.242	0.124	0.013
A008599_01		-0.34	-0.127	-0.019	-0.043	0.54	0.356	0.36	0.171
A008601_01		-1.219	-1.124	-1.629	-1.201	-1.329	-1.048	-1.22	-1.088
A008602_01		-0.56	-0.622	-0.207	-0.13	-0.875	-0.781	-0.216	-0.353

A008603_01		-1.246	-0.356	-0.213	-0.111	0.226	0.45	0.378	0.514
A008604_01		-0.041	-0.005	0.034	0.028	-0.26	-0.064	0.071	0.117
A008605_01		0.443	0.889	0.083	0.252	0.12	1.089	0.622	1.136
A008608_01		-0.236	-0.291	-0.81	-0.499	-0.707	-0.676	-0.654	-0.537
A008615_01		-0.65	-0.613	-0.092	-0.072	-0.172	0.001	0.54	0.659
A008616_01	NA			0.156	0.061 NA			-0.053	-0.336
A008621_01		-0.104	-0.112	-0.737	-0.299	-0.369	-0.572	-0.624	-0.417
A008622_01	NA			-0.445	-0.356 NA			-0.115	0.052
A008627_01		-0.625	-0.495	0.415	0.349	-0.342 NA		-0.175	-0.253
A008631_01	NA			-0.773	-0.661 NA			-0.453	-0.74
A008632_01		0.462 NA		-0.322 NA		-0.197 NA			
A008637_01		-0.161	-0.196	0.182	0.218	-0.066	-0.153	0.017	-0.018
A008638_01		-0.041	0.003	0.055	-0.014	-0.099	-0.147	0.032	-0.035
A008639_01		0.033	0.291	0.466	0.453	-0.182	0.044	0.008	0.014
A008641_01		0.019	0.191	-0.011	0.079	0.358	0.272	0.261	0.217
A008644_01		0.338	0.214	0.036	-0.001	-0.195	0.172	0.097	0.15
A008645_01		-0.847	-1.109	-0.877	-0.677	-1.156	-1.032	-0.83	-0.674
A008648_01		0.937	0.833	0.217	0.275	0.262	0.234	0.099	0.167
A008649_01		-2.424	-1.729	-0.049	-0.067	-0.711	-0.418	-0.577	-0.615
A008651_01		-1.067	-0.719	-0.041	0.09	-0.491	-0.47	-0.45	-0.349
A008652_01		-0.191	-0.624	-0.62	-0.375	-1.138	-0.93	-0.709	-0.349
A008653_01		-0.029	-0.116	0.13	0.113	-0.074	-0.068	0.165	0.034
A008654_01		-0.603	0.003	0.085	0.129	-0.652	-0.245	-0.113	-0.019
A008655_01		-0.65 NA		-0.511	-0.408	-0.465 NA		-0.214	-0.39
A008657_01		0.088	-0.093	-0.515	-0.385	0.316	0.115	-0.1	0.024
A008658_01		0.049	0.204	0.676	0.615	0.243	0.233	0.401	0.431
A008660_01		0.707	0.764	-0.424	-0.25	1.155	1.156	0.315	0.543
A008663_01		-0.745	-1.205	-0.607	-0.445	-0.643	-1.152	-0.687	-0.83
A008664_01		0.378	0.427	0.062	0.151	0.417	1.065	0.603	0.917
A008667_01		-0.652	-0.313	0.196	0.074	0.55	0.457	0.471	0.398
A008668_01		0.158	-0.081	-0.326 NA		-0.715	-0.678	-0.274 NA	
A008670_01		0.158 NA		0.086 NA		0.214 NA		0.293	0.174
A008673_01		0.375	0.362	0.255	0.224	0.37	0.324	0.432	0.38
A008676_01		-0.219 NA		-0.226	0.001	-0.064 NA		-0.124 NA	
A008682_01		0.116	-0.17	-0.357	-0.278	-0.473	-0.713	-0.404	-0.361
A008685_01		-0.668	-0.903	0.461	0.267	0.268	-0.066	-0.018	-0.111
A008686_01		-1.159 NA		-0.394	-0.341	-0.754	-0.446	-0.329	-0.44
A008692_01		-0.324	-0.459	0.906	0.933	-0.885	-0.631	-0.315	-0.022
A008693_01		-0.018	-0.096	-0.891	-0.57	-0.073	0.038	-0.783	-0.462
A008699_01		0.248 NA		-0.065 NA		-0.19	-0.004	0.34	0.451
A008703_01		-0.594	-0.508	0.127	0.121	0.286	0.156	0.157	0.09
A008707_01		-0.353	-0.085	0.432	0.216	-0.528	-0.343	-0.01	-0.19
A008720_01		-0.169	0.052	0.023	0.062	0.01	0.129	0.344	0.28
A008721_01		-0.63	-0.446	-0.14	0.004	-0.137 NA		-0.091	0.049
A008722_01		-0.303	-0.429	0.634	0.518	0.083	0.037	0.242	0.248
A008726_01		-0.128	-0.166	0.011	-0.039	-0.127	-0.402	-0.191	-0.119
A008727_01		-1.2	-1.291	-1.697	-1.27	-1.403	-1.306	-1.23	-1.227
A008728_01		-0.804	-0.616	0.304	0.218	0.332	0.619	0.754	0.78
A008731_01		-1.105	-1.219	-0.521	-0.379	-1.207	-1.174	-1.085	-1.235
A008733_01		-0.187	0.146	0.417	0.184	0.073	0.125	0.117	-0.026
A008735_01		-0.357	-0.603	0.276	0.173 NA		0.15	0.205	0.098
A008737_01		-0.345	-0.185	-0.26	-0.234	-0.31	-0.342	-0.028	-0.251
A008739_01		-0.231 NA		-0.108 NA		0.144 NA			
A008742_01		-0.036	0.195	-1.171	-0.74	0.627	1.329	0.981	1.423
A008748_01		0.462 NA		0.26 NA		1.036 NA			
A008752_01	NA			0.075	0.026 NA			0.155	0.114
A008753_01		0.507 NA		0.204	0.122	-0.116	-0.278	-0.079	-0.356
A008755_01	NA			0.342	-0.009 NA		-0.145	-0.029	-0.247
A008758_01		-0.127	-0.014	-0.53	-0.416	-0.184	-0.202	-0.197	0.147
A008759_01		0.696	0.36	-0.216	-0.096	0.1	0.067	0.027	0.315
A008762_01		1.072	0.685	-0.102	-0.043	0.196	0.079	0.033	-0.099
A008763_01		0.029	0.225	-0.489	-0.075	-0.428	-0.137	-0.53	-0.114
A008764_01	NA			0.315	0.208 NA			0.024 NA	
A008775_01	NA			-0.188	-0.3 NA			-0.133	-0.242
A008776_01		0.223	0.102	-0.215	-0.145	0.181	0.414	0.289	0.499
A008783_01		0.125	-0.056	0.31	0.105	0.619	0.443	0.746	0.59
A008784_01		-0.357	-0.254	-0.205	-0.006	-0.032	0.063 NA		0.223
A008790_01		0.42	0.403	-0.091	-0.122	0.792	0.588	0.309	0.246

A008793_01		0.645	0.521	0.137	0.254	0.592	0.462	0.441	0.646
A008794_01		-0.12	-0.234	0.135	0.257	-0.535	-0.103	-0.13	0.173
A008795_01		0.058	-0.009	0.474	0.41	-0.016	0.201	-0.178	-0.132
A008798_01		0.353	0.239	0.154	0.214	0.15	0.131	-0.027	-0.077
A008800_01		0.341	0.169	0.016	0.123	-0.09	-0.109	-0.153	-0.099
A008801_01		0.583	0.536	-0.307	-0.157	0.269	0.529	0.267	0.6
A008803_01		0.024	0.164	-0.293	0.011	-0.333	0.031	-0.761	-0.352
A008805_01		0.706	0.544	-0.187	0.061	0.463	0.299	0.097	0.435
A008807_01		0.366	0.019	0.464	0.515	0.495	0.601	0.295	0.414
A008810_01		-0.524	-0.649	0.135	-0.125	-0.481	-0.559	-0.248	-0.564
A008813_01		0.244	0.071	-0.043 NA		0.13	0.13	0.185	0.261
A008814_01		0.601	0.333	0.51	0.295	0.305	0.07	0.236	0.036
A008818_01		0.705	0.545	-1.359	-0.965	0.105	-0.02	-1.702	-1.699
A008819_01		-0.369	-0.07	0.381	0.252	0.389	0.536	0.662	0.706
A008821_01	NA		-0.787 NA	NA	NA		-0.455 NA	NA	
A008827_01		0.29	0.328	-0.028	0.161	-0.08	0.083	-0.129	0.096
A008830_01		0.605	0.526	-0.292	-0.24	0.518	0.458	0.396	0.503
A008835_01		0.263	0.233	0.168	0.166	0.368	0.327	0.078	0.092
A008838_01	NA	NA		0.094	0.231 NA	NA	NA		0.233
A008840_01		-0.408	-0.413	0.442	0.44	-0.156	-0.21 NA		0.219
A008842_01		-0.079	-0.118	-0.494	-0.295	-0.392	-0.307	-0.319	-0.246
A008846_01	NA	NA		-0.174	0.131 NA	NA	NA		-0.226
A008847_01		-0.161	-0.249	-0.881	-0.512	-0.617	-0.314	-0.38	0.064
A008855_01		-0.82 NA		-0.388	-0.35	-0.471 NA		-0.515 NA	
A008857_01		-1.414	-1.534	-2.52	-1.845	-3.115	-2.099	-2.064	-1.583
A008858_01		-0.235	-0.187	0.13	0.262	0.412	0.468	0.117	0.136
A008860_01	NA	NA		0.21	0.195 NA	NA		-0.088	-0.154
A008861_01		0.701	0.682	-1.048	-0.64	-0.417	-0.551	-0.655	-0.747
A008862_01		0.081	0.061	-0.246	-0.215	-0.041	-0.215	0.045	-0.005
A008863_01		-0.161	-0.11	0.052	0.017	-0.222	-0.086 NA		-0.093
A008865_01		0.001	0.354	-0.717	-0.418	0.117	0.598	0.14	0.479
A008867_01		0.577	0.63	0.004	0.222	0.432	1.171	1.003	1.135
A008872_01		-0.149	-0.201	-0.748	-0.634	-0.603	-0.606	-0.184	-0.272
A008873_01		-1.97	-1.856	-0.552	-0.403	-0.379	0.031	0.044	0.349
A008874_01		0.07	0.016	-0.214	-0.017	0.201	0.189	0.285	0.208
A008877_01		-0.777	-0.22	0.107	0.128	0.584	0.415	0.179	0.17
A008878_01		-0.058	0.411	-0.02	0.189	-0.582	-0.028	-0.059	0.169
A008880_01		0.346	0.089	0.188	0.155	0.232	-0.038	-0.172	-0.052
A008881_01		-0.859	-0.9	-1.15	-0.722	-1.091	-1.029	-1.031	-1.194
A008882_01		0.501	0.485	0.031	0.157	0.202	0.148	0.277	0.274
A008883_01		-0.284	-0.766	-0.876	-0.532	-0.451	-1.169	-0.852	-0.705
A008889_01		-0.33 NA		0.318	0.308	-0.271	0.553	0.098	0.153
A008890_01		0.394	0.465	0.024	0.209 NA		0.341 NA		0.478
A008896_01	NA	NA		-0.397	-0.289 NA	NA		-0.609	-0.53
A008899_01		0.565	0.126	-0.567 NA		0.044 NA	NA	NA	
A008904_01		-1.582	-1.527	-0.69	-0.43	-1.404	-1.115	-0.871	-0.789
A008906_01		0.022	-0.189	-0.611	-0.544	0.109	-0.063	-0.085	-0.169
A008909_01	NA		-0.036	0.286	0.338 NA		-0.257	-0.303	-0.247
A008913_01		-0.25	-0.473	-0.628	-0.494	-0.773	-0.768	-0.506	-0.57
A008919_01		1.045	1.111	-0.47 NA		0.663	0.919	0.689	1.151
A008920_01		-0.343	-0.724	-1.353	-1.211	-1.01	-1.28	-0.953	-1.112
A008922_01		-0.399	-0.051	-0.352	-0.254	-0.342	-0.018	-0.099	-0.257
A008924_01		-0.319	-0.286	0.49	0.421	0.372	0.61	0.949	0.968
A008926_01		-0.441	-0.591	-0.542	-0.439	-0.932	-0.862	-0.546	-0.499
A008929_01		-0.244	-0.209	-0.221 NA		-0.548	-0.28 NA	NA	
A008933_01		0.374	0.322	-0.514	-0.401	0.006	0.123	0.007	-0.039
A008934_01	NA	NA		-0.036	-0.018	-0.503	-0.458	-0.196	-0.38
A008936_01		0.658	0.312	0.079	0.222	0.369	0.048	-0.115	-0.046
A008937_01		-0.602	-0.687	-0.559	-0.482	-0.939	-0.7	-0.534	-0.522
A008938_01	NA	NA		-0.029	0.025 NA	NA		0.446	0.405
A008939_01		-0.421 NA		0.124	0.333	-0.148 NA		-0.413	-0.217
A008944_01		0.177	-0.201	-0.89	-0.669	-0.537	-0.652	-0.549	-0.364
A008945_01		0.197	0.129	-0.04	0.111	0.166	0.009	-0.064	-0.025
A008949_01		0.167	0.297	-0.452	-0.312	0.04	0.08	0.289	0.451
A008950_01		0.466	0.628	0.335	0.22	0.188	0.418	0.4	0.261
A008952_01		0.959	0.568	0.047	0.151	0.114	0.058	0.184	0.352
A008953_01		-0.057	0.222	-0.063	0.011	0.158	0.24	0.055	0.102
A008955_01		0.105	0.385	-0.172	0.08	-0.022	0.515	0.813	0.926

A008958_01		0.03	0.123	0.43	0.585	0.111	0.371	0.149	0.276
A008961_01		0.606	0.688	-0.079	0.213	0.603	1.19	0.462	1.071
A008963_01		-0.479	0.171	0.113	0.216	0.591	0.443	0.224	0.301
A008965_01		-0.462	-0.014	0.18	0.401	-0.266	-0.129	0.038	0.162
A008967_01		-0.603	-0.173	-0.497	-0.031	0.212	0.159	0.393	0.451
A008969_01		0.22	-0.595	-0.742	-0.563	-0.646	-0.656	-0.321	-0.246
A008972_01		0.724	0.456	-0.147 NA		0.699	0.543	0.944	0.94
A008973_01		-0.564 NA		-0.126 NA		0.089 NA		0.102	0.177
A008974_01		0.565	0.435	-0.055	0.122	0.039	0.242	0.101	0.65
A008975_01		0.299	0.266	0	0.011	-0.27	0	0.024	0.101
A008980_01		0.589	0.355	-0.272	-0.095	-0.225	-0.13	-0.244	0.122
A008981_01		-0.28	-0.225	-0.04	-0.095	0.21	-0.21	0.09	0.047
A008983_01		-0.106	-0.011	-0.858	-0.578	0.225	0.028	-0.186	-0.227
A008984_01	NA	NA		0.106	0.105 NA	NA		0.037	0.02
A008985_01		-0.002	0.096	0.572	0.416	0.094	0.132	0.06	-0.022
A008988_01		0.075	0.188	0.072	0.204	-0.229	-0.314	-0.1	-0.07
A008989_01		0.439	0.519	0.139	0.144	0.254	0.484	0.131	0.274
A008992_01		0.149	0.135	0.211	0.224	-0.057	0.18	-0.2	-0.139
A008995_01		0.268	0.41	0.27	0.314	0.475	0.412	0.211	0.208
A008997_01	NA	NA		0.056	0.257 NA		0.239	-0.01	0.135
A008999_01		0.13	0.015	-0.476	-0.396	0.051	0.202	0.167	0.22
A009005_01		-0.386	-0.211	-0.312	-0.158	-0.209	-0.037	-0.19	0.058
A009011_01		0.15	0.043	-1.672	-1.4	-0.644	-0.641	0.175	0.088
A009014_01		0.447	0.273	-0.319	-0.225	0.092	0.083	0.108	0.142
A009016_01		-0.132	-0.768	-0.557	-0.422	-0.369	-0.804	-0.481	-0.442
A009021_01	NA		0.306	0.025	0.043	0.296	0.299	0.143 NA	
A009022_01		-0.27	-0.036	-0.047	-0.004	0.09	0.168	0.254	0.191
A009026_01	NA	NA		0.398	0.392	0.155 NA		0.218	0.078
A009028_01		-0.952	-0.781	0.036	0.122	-1.037	-0.804	-0.5	-0.432
A009031_01		-0.706	-0.942	-0.832	-0.715	-0.951	-0.985	-0.587	-0.536
A009033_01		0.518	0.258	-0.447	-0.27	0.178	-0.05	-0.069	0.052
A009036_01		-0.543	-0.289	-0.133	-0.121	-0.257	-0.112	-0.231	-0.226
A009037_01		-0.642 NA		-1.363	-1.176	-0.628	-0.902	-0.768	-0.855
A009044_01		0.496	0.529	0.522	0.461	0.751	0.515	0.846	0.743
A009049_01		-0.083 NA		0.416	0.459	0.173	-0.044	0.302	0.347
A009052_01		-0.16	0.121	0.123	0.097	-0.343	-0.264	0.117	0.007
A009055_01		0.32	0.4	0.369	0.249	0.544	0.564	0.826	0.89
A009056_01		0.252	0.238	0.206	0.216	0.1	0.234	0.146	0.373
A009060_01		-0.273	-0.32	-0.401	-0.247	0.218	0.156	0.534	0.482
A009064_01		0.388	0.314	0.21	0.421	-0.008	0.432	0.188	0.574
A009072_01		0.701	0.355	-0.245 NA		0.523	0.478	0.473	0.775
A009073_01	NA		0.108	0.253	0.242 NA	NA		-0.239	-0.178
A009076_01		0.466	0.387	-0.128	-0.013	-0.01	0.049	0.458	0.602
A009077_01		-0.893	-0.46	0.407	0.332	0.04	0.118	0.158	0.061
A009081_01		0.391	0.436	-0.169	-0.029	0.712	0.576	0.418	0.49
A009087_01		-1.812	-1.765	-1.431	-1.164	-1.435	-1.405	-1.071	-1.014
A009088_01		-0.713	-1.106	-0.039	0.061	0.059	-0.134	-0.277	-0.258
A009095_01	NA	NA		0.367	0.105 NA	NA		0.102	-0.022
A009099_01		0.29	0.138	-0.158	-0.149	0.365	0.052	0.217	0.305
A009102_01		-0.649	-0.696	-0.34	-0.315	-0.563	-0.575	-0.337	-0.424
A009105_01		0.332	0.363	0.081	0.192	0.815	0.495	0.266	0.489
A009106_01		-0.783	-0.477	-0.065	0.063	0.104	0.05	0.079	0.206
A009107_01		-1.846	-1.701	-0.225	-0.155	-1.673	-1.329	-0.223	-0.304
A009112_01		-0.222 NA		-0.23 NA		-0.053 NA		-0.212 NA	
A009113_01		-0.163	-0.078	-0.346	-0.195	0.069	0.106	-0.021	0.191
A009114_01		-0.572	-0.567	0.229	0.281	-0.501	-0.534	-0.54	-0.426
A009121_01	NA	NA		0.547	0.295 NA	NA		0.279	-0.001
A009127_01	NA	NA		0.011	0.062 NA	NA		-0.863	-0.889
A009134_01		0.39	0.046 NA	NA		0.165	0.021	0.471 NA	
A009138_01		0.144	0.058	-0.878	-0.632	-0.202	-0.267	-0.633	-0.44
A009139_01		-1.34	-0.96	-0.577	-0.396	-1.351	-1.047	-0.788	-0.546
A009145_01		0.923	0.534	0.123	0.108	0.682	0.513	0.524	0.316
A009147_01		-1.106	-1.705	-1.333	-0.857	-1.497	-1.59	-1.199	-1.253
A009148_01		-0.962	-1.194	-0.67	-0.526 NA		-1.197	-1.256	-1.265
A009151_01	NA	NA		0.455	0.471 NA	NA		-0.137 NA	
A009152_01		-0.49	-0.318	-0.034	0.068	-0.303	-0.237	0.042	-0.039
A009153_01		-0.942	-0.359	0.398	0.191	-0.309	0.507	0.865	0.754
A009156_01		0.801	0.677	0.208	0.166	0.559	0.428	0.783	0.722

A009163_01		-0.059	-0.08	-0.11	-0.062	-0.009	0.087	-0.12	-0.044
A009165_01		-1.157	-1.294	-0.029	-0.113	-0.284	-0.35	0.258	-0.061
A009169_01	NA		NA	0.737	0.735	1.544	1.549	0.876	1.038
A009176_01		-0.057	0.025	0.441	0.444	-0.23	-0.158	-0.419	-0.579
A009182_01		-0.326	-0.182	-0.315	-0.186	0.26	0.242	0.269	0.349
A009187_01		-0.058	0.611	0.31	0.461	-0.04	0.424	0.083	0.325
A009189_01		-0.065	-0.007	-0.697	NA	-0.263	-0.42	NA	NA
A009196_01		-0.164	-0.453	-0.691	-0.435	-0.541	-0.632	-0.424	-0.387
A009203_01	NA		-0.4	0.003	-0.055	NA		-0.056	-0.187
A009205_01		-0.077	0.026	0.253	NA	0.42	0.458	0.846	0.867
A009221_01		0.201	-0.071	0.496	0.375	0.493	0.261	0.337	0.352
A009227_01		0.365	0.52	0.12	0.363	0.212	0.199	-0.165	0.114
A009233_01		0.37	0.162	0.124	0.263	0.556	0.617	0.763	0.86
A009248_01		0.311	NA	0.032	-0.067	0.36	NA		0.13
A009255_01		0.396	0.221	-0.023	-0.005	-0.13	0.1	0.272	0.27
A009256_01		-1.225	-1.564	-0.658	-0.679	-0.886	-1.04	-0.809	-0.998
A009257_01		0.303	-0.045	-0.011	0.036	0.186	-0.012	0.042	0
A009260_01		-0.059	-0.147	-0.271	-0.025	0.151	0.156	0.574	0.71
A009262_01		-0.81	-0.175	-0.146	-0.238	-0.481	-0.091	-0.183	-0.249
A009270_01	NA		NA	-0.312	NA	NA		-0.224	NA
A009272_01		0.926	0.974	-0.435	-0.146	0.229	0.747	0.229	0.707
A009273_01	NA		-0.172	0.132	0.009	-0.198	-0.274	-0.552	-0.549
A009281_01	NA		NA	0.362	0.394	NA	NA	-0.149	-0.193
A009282_01		0.417	0.035	-0.201	-0.253	0.037	-0.28	0.057	-0.162
A009284_01		0.026	NA	-0.643	-0.517	0.061	NA	-0.133	-0.189
A009289_01		0.658	0.408	0.173	0.217	0.017	-0.084	-0.072	-0.088
A009293_01	NA		0.247	0.244	0.202	0.48	0.428	0.209	0.253
A009296_01		-0.318	-1.083	0.404	0.502	-0.182	-0.117	-0.071	-0.047
A009303_01		0.521	0.474	-0.006	0.108	-0.123	0.12	0.052	0.197
A009305_01	NA		NA	0.351	0.354	0.06	0.262	0.084	0.272
A009307_01		-0.525	-0.918	-0.899	-0.695	-0.814	-0.69	-0.519	-0.719
A009309_01		0.444	0.252	0.14	-0.098	0.364	0.305	0.47	0.383
A009312_01		-0.421	-0.367	0.286	0.278	0.024	0.06	-0.036	-0.088
A009325_01		-0.84	-1.219	-0.4	-0.144	-1.996	-1.704	-1.36	NA
A009328_01		-1.089	-0.567	-0.43	-0.333	-0.158	0.012	-0.073	-0.068
A009340_01		-0.473	-0.666	-1.293	NA	-0.678	-1.121	-0.791	-0.82
A009343_01		0.159	0.195	-0.247	-0.081	0.167	0.263	0.406	0.524
A009348_01	NA		NA	0.226	0.268	NA	NA	-0.48	-0.507
A009353_01		0.802	0.59	-0.198	-0.143	0.331	0.605	0.109	0.45
A009354_01		0.418	0.279	0.212	0.268	0.217	0.277	0.051	0.175
A009368_01		0.376	0.447	0.365	0.234	0.256	0.098	0.108	-0.01
A009369_01		0.372	-0.22	-0.62	-0.49	-0.414	-1.014	-0.713	-0.612
A009370_01		-0.882	NA	0.165	0.242	0.1	0.107	0.128	0.067
A009371_01		-0.323	-0.618	-0.042	0.022	-0.147	-0.37	-0.124	-0.326
A009375_01		-0.198	0.217	0.176	0.046	0.645	0.276	0.514	0.386
A009377_01		-0.249	NA	0.166	0.107	0.073	NA	-0.003	0.009
A009378_01		0.135	0.383	0.131	0.169	0.322	0.519	0.366	0.463
A009380_01		0.624	0.415	-0.039	0.113	0.427	0.381	0.335	0.387
A009390_01		0.268	0.118	-0.007	0.024	-0.009	0.097	0.029	0.024
A009396_01		0.429	NA	0.228	NA	0.283	NA	-0.04	NA
A009398_01	NA		NA	0.092	0.103	-0.08	NA	-0.16	-0.166
A009399_01		-0.079	0.112	-0.098	-0.097	0.235	0.179	0.25	0.413
A009402_01		0.26	NA	0.173	NA	0.494	NA	-0.266	NA
A009409_01		0.476	0.624	0.62	0.505	0.524	0.345	0.213	0.134
A009410_01		0.262	0.774	-0.351	0.009	-0.238	0.346	0.047	0.807
A009411_01		-1.004	-0.615	-0.083	-0.164	-0.747	-0.446	-0.36	-0.554
A009413_01		0.724	0.14	-0.345	NA	-0.301	-0.514	NA	NA
A009414_01		0.363	0.241	-0.205	-0.193	-0.261	-0.134	-0.112	-0.141
A009415_01		0.165	NA	0.173	0.109	NA	NA	NA	NA
A009426_01		0.385	0.658	0.171	0.158	0.122	0.206	-0.17	-0.387
A009431_01	NA		NA	-0.513	-0.179	NA	NA	NA	NA
A009432_01		0.291	NA	0.177	0.036	-0.122	NA	0.199	0.009
A009434_01	NA		-0.251	-0.104	-0.111	-0.414	NA		-0.248
A009435_01		0.084	0.784	0.071	0.318	0.134	0.722	0.644	0.98
A009448_01		0.506	0.44	-0.153	-0.039	0.051	0.046	-0.026	0.16
A009454_01	NA		NA	-0.517	-0.444	NA	NA	-0.385	-0.454
A009457_01	NA		NA	0.118	-0.01	NA	NA	0.078	-0.037
A009475_01		-0.134	-0.011	-0.139	0.027	-0.11	-0.038	-0.011	0.142

A009480_01		-0.633	-1.18	-0.161	-0.381	-0.535	-0.535	-0.18	-0.44
A009485_01	NA	NA		0.42	0.18 NA	NA		0.029	-0.077
A009491_01	NA	NA		-0.657 NA	NA		-0.653	-0.609	-0.424
A009495_01	NA		-0.401	-0.054	-0.089 NA		-0.814	-0.518	-0.449
A009496_01	NA	NA		-0.399	-0.333 NA	NA		-0.332 NA	
A009497_01	NA	NA		-0.434	-0.29	-0.339 NA		-0.17	-0.272
A009498_01		-0.313	-0.525	-0.052	0.096	-0.797	-0.878	-0.693	-0.616
A009501_01		0.449	0.884	0.457	0.507	0.742	0.904	0.743	1.085
A009502_01	NA	NA		0.144	0.147 NA	NA		-0.049	-0.182
A009506_01		0.214	0.372	0.032	0.012	0.676	0.617	0.554	0.613
A009507_01		0.533 NA		0.527	0.195	0.769 NA		-0.058	-0.057
A009512_01		-0.043	-0.304	-0.284	-0.21	-0.444	-0.267	-0.418	-0.428
A009513_01		0.214 NA		0.258	0.237	0.737	0.325	0.181	0.278
A009514_01	NA	NA		0.314	0.434 NA	NA		-0.505	-0.218
A009515_01		0.309	0.327	0.06	0.046	1.373	1.258	1.536	1.93
A009517_01		-0.195	-0.344	-0.729	-0.57	-0.626	-0.697	-0.415	-0.298
A009523_01		0.28	0.009	-0.275	-0.235	0.63	0.586	0.213	0.256
A009525_01		-1.455	-0.281	0.189	-0.195	-0.427	0.053	0.29	0.206
A009530_01		-0.876	-0.835	-0.69	-0.623	-0.173	-0.243	-0.392	-0.192
A009531_01		0.382	-0.129	-0.263	-0.442	0.036	-0.213	-0.109	-0.325
A009534_01		-0.486	-0.337	-0.515	-0.438	-0.209	-0.079	0.007	-0.077
A009537_01		0.503	0.37	-0.146	-0.038	0.108	-0.1	-0.158	-0.142
A009540_01	NA	NA		-0.452 NA	NA	NA	NA		0.242
A009542_01	NA	NA		0.152	0.278 NA	NA		-0.274 NA	
A009543_01		-0.445	-0.794	-0.92	-0.648	-0.788	-0.94	-0.718	-0.478
A009544_01		1.303	0.945	-0.344 NA		0.557	0.354 NA		0.612
A009545_01		0.332 NA		0.215 NA		0.803 NA	NA		0.398
A009548_01	NA	NA		0.183	-0.023 NA	NA		0.118	0.182
A009549_01		0.167	-0.079	-0.401	-0.403	-0.202	-0.271	-0.315	-0.226
A009551_01		-0.069	0.133	-0.12	0.038	0.008	0.407	0.085	0.354
A009557_01		-0.226	0.188	-0.151	-0.179	0.414	0.432	0.235	0.058
A009560_01		0.447	0.226	0.095	-0.107	0.196	0	0.093	-0.057
A009561_01		0.092 NA		0.15	0.303	0.027 NA		0.152	0.177
A009563_01		0.285	0.065	0.032	-0.077	0.155	-0.026	-0.041	-0.086
A009566_01		-0.649 NA		-0.307	-0.31	-0.761	-0.74	-0.566	-0.795
A009567_01		0.471	0.235	-0.355	-0.037	0.075	0.011	0.029	0.196
A009568_01	NA	NA		-0.819	-0.695 NA	NA		-0.406	-0.493
A009573_01		0.044	0.121	0.075	-0.009	0.187	0.333	-0.087	0.1
A009579_01		-0.153	-0.063	0.08	-0.009	-0.485	-0.322	0.222	0.164
A009580_01		0.834	0.607	0.066	0.247	0.316	0.574	0.277	0.487
A009581_01		-0.966 NA		-0.105	-0.035	-0.316	-0.354 NA	NA	
A009583_01		0.538	0.678	0.689	0.521	0.647	0.646	0.457	0.396
A009590_01		-1.199	-0.531	-0.816	-0.694	-0.749	-0.643	-0.8	-0.642
A009594_01		-0.11	-0.068	0.354	0.196	0.573	0.46	0.597	0.606
A009595_01		0.098	0.009	-0.668 NA		0.338	0.128	0.103	0.387
A009603_01		0.25	-0.244	-0.127	-0.004	0.769	0.477	0.283	0.494
A009609_01	NA	NA		-0.413	-0.263	0.909	0.753	0.681	0.652
A009611_01		-0.193	0.018	-0.059	-0.163	-0.061	0.088	0.312	0.242
A009614_01		0.126	0.129	-0.104	-0.039	0.463	0.151	0.06	-0.115
A009618_01		-0.998	-1.177 NA	NA		-1.059 NA	NA	NA	
A009619_01		-0.558	-0.451	-0.003	-0.024	-0.025	-0.101	-0.103	0.025
A009625_01		0.483	0.478	-0.307 NA		0.662 NA		0.214 NA	
A009627_01		0.439	0.447	-0.054	0.146	0.771	0.484	0.243	0.21
A009632_01	NA	NA		-0.388	-0.155 NA	NA		-0.675	-0.657
A009633_01		0.283	0.405	-0.027	0.005	0.052	-0.052	-0.316	-0.116
A009639_01		0.226	0.087	0.448	0.442	0.317	0.236	0.45	0.561
A009641_01		-0.153	0.08	0.073	0.163	0.24	0.326	0.005	0.308
A009660_01		0.833	0.563	-0.643	-0.303	-0.351	-0.57	-0.31	-0.135
A009661_01		0.174	0.063	-0.517 NA		0.375	-0.035	0.17	0.364
A009663_01	NA	NA		0.027	0.175	-0.167	0.227	0.116	0.242
A009665_01		-0.074	0.112	0.165	0.383	0.226	0.787	0.159	0.608
A009670_01		0.017	-0.056	-0.14	-0.153	-0.01	-0.064	-0.032	-0.205
A009676_01		0.068	0.028	-0.811	-0.51	0.094	-0.408	-0.578	-0.381
A009682_01		0.067	-0.012	-0.092	-0.094	-0.09	-0.068	-0.11	-0.215
A009684_01		-0.894	-0.604	0.005	0.053	-0.363	-0.283	-0.425	-0.427
A009688_01		0.345 NA		-0.369	-0.097	-0.255 NA		-0.329	-0.182
A009691_01		-0.282	0.096	0.33	0.244	0.066	0.169	0.057	0.041
A009693_01	NA	NA		0.224	0.167 NA	NA		-0.543	-0.428

A009699_01		0.356 NA		0.073 NA		NA		NA		NA		NA
A009711_01		-0.084	-0.158	-0.141	-0.162	-0.088	-0.135	0.025		-0.07		
A009713_01		-0.84	-0.959	0.053	-0.145	-0.444	-0.662	-0.054		-0.42		
A009728_01		0.858	0.627	0.579	0.562	0.4	0.424	0.203 NA				
A009731_01		-0.915	-0.48	0.276	0.181	-0.116	-0.152	-0.125		-0.205		
A009733_01	NA			-0.247	-0.21 NA		-0.078	0.307		0.386		
A009737_01		-0.331	-0.113	0.149	0.213	0.21 NA		0.005		0.175		
A009738_01	NA			0.15	0.197	0.799	0.753	0.414		0.618		
A009740_01		0.163	0.357	0.201	0.214	0.659	0.481	0.594		0.589		
A009744_01		-0.876	-1.014	-0.542	-0.469	-0.468	-0.488	-0.809		-0.805		
A009746_01		0.235	0.105	-0.232	-0.275	0.188	-0.402	-0.064		-0.235		
A009751_01		-0.103	-0.308	-0.627	-0.671	-0.267	-0.338	-0.317		-0.41		
A009752_01		0.736	0.711	-0.669	-0.498 NA			-0.807		-0.909		
A009753_01	NA			-1.338	-0.921 NA			-1.26 NA				
A009755_01	NA			-0.058 NA		-0.174 NA						
A009761_01		-0.595	-0.522	-0.142	-0.175	-0.309	-0.272	-0.288		-0.282		
A009762_01		0.221 NA		0.265	0.334	0.248 NA		0.151		0.132		
A009764_01		0.641	0.401	-0.115	0.109	0.214	0.231	0.043		0.271		
A009765_01		0.213	0.218	0.327	0.122	0.645	0.245	0.457		0.25		
A009766_01		-0.386 NA		-0.486	-0.298	0.309 NA		0.331		0.254		
A009769_01		-0.249	-0.406	-0.189	-0.105	0.06	0.016	-0.056		0.058		
A009770_01		1.071 NA		0.326	0.267	0.464 NA						
A009776_01		1.159	1.159	0.154	0.268	0.728	0.717	0.753		1.047		
A009777_01		-0.063	0.264	-0.333	-0.24	0.348	0.297	0.355		0.455		
A009780_01		-0.455	-0.111	0.433	0.375	-0.288	0.089	-0.199		-0.1		
A009784_01	NA			0.349	0.367	-0.302 NA		-0.05 NA				
A009787_01	NA			0.35	0.369 NA			0.221		0.382		
A009790_01		0.326	0.392	-0.373	-0.265	0.178	0.18	-0.074		0.116		
A009792_01		0.388	0.155	-0.09	-0.045	-0.204	-0.11	-0.367		-0.247		
A009796_01		0.637	0.449	0.267	0.292	0.038	0.126	0.103		0.281		
A009797_01	NA			0.383	0.198 NA			-0.576		-0.761		
A009803_01		0.419	0.536	0.481	0.46	0.001	-0.03	0.038		-0.032		
A009805_01		-0.263 NA		0.442	0.116	0.351	0.102	0.25		0.064		
A009809_01		0.32	0.272	-0.046	0.175	0.347	0.106	0.166		0.425		
A009811_01		0.473	0.48	0.371	0.446	0.463	0.541	0.406		0.465		
A009821_01	NA			0.03	-0.051	0.269	0.021	-0.098		-0.068		
A009822_01		0.189	-0.034	0.087	0.13	-0.194	-0.274	-0.02		-0.023		
A009826_01	NA			-0.139 NA				0.459 NA				
A009834_01		-0.158	-0.306	-0.372	-0.321	-0.404	-0.293	-0.222		-0.412		
A009836_01		1.007	0.812	0.593	0.514	0.996	0.631	0.82		0.776		
A009843_01		0.435	0.485	0.064	0.177	0.454	0.544	0.05		0.179		
A009845_01		0.983	0.596	0.435	0.416	0.516	0.838	0.952		1.121		
A009846_01		0.554	0.321	-0.076	-0.136	0.493	0.457	0.741		0.584		
A009848_01		-0.619	-0.034	0.007	0.109	0.304	0.188	0.39		0.413		
A009849_01		0.061	-0.015	0.096	0.136	-0.238	0.051	0.014		0.173		
A009855_01		0.317	0.348	-0.023 NA		0.063 NA		0.525		0.54		
A009864_01	NA			-0.012	-0.038 NA			-0.443 NA				
A009867_01		-0.335	-0.043	-0.14	-0.07	-0.368	-0.119	-0.459		-0.51		
A009868_01		0.115	-0.237	-0.45	-0.449	0.017	-0.115	0.113		-0.103		
A009870_01	NA			0.111	0.034 NA			0.164		0.087		
A009879_01		-0.17	-0.452	-0.868	-0.575	-0.542	-0.225	-0.35		0.107		
A009885_01		-0.996	-0.156	0.102	0.011	0.471	0.29	0.214		0.066		
A009890_01		-1.797	-1.259	-0.608	-0.295	-0.917	-0.773	-0.415		-0.511		
A009894_01		-0.3	-0.315	0.43	0.429	-0.255	-0.317	-0.223		-0.257		
A009895_01		0.281	0.078	-0.444	-0.343	-0.14	-0.086	0.286		0.211		
A009898_01		0.408	0.171	-0.062	-0.184	0.185	0.006	0.233		0.07		
A009900_01		0.88	0.913	0.737	0.562	0.995	1.017	0.878		0.964		
A009902_01		0.471	0.108	0.167	0.256	0.162	-0.131	-0.138		-0.04		
A009905_01		0.504	0.098	0.274	0.291	-0.362	-0.542	-0.337		-0.276		
A009906_01		-0.022	0.032	-0.353	-0.208	0.204	0.498	0.266		0.368		
A009911_01		0.085	-0.408	-0.453	-0.372	-0.435	-0.784	-0.239		-0.448		
A009916_01		0.528	0.321	-0.302	-0.372	0.08	0.001	-0.043		-0.056		
A009920_01		0.001	-0.149	-0.125	-0.057	0.215	0.099	0.078		0.165		
A009926_01	NA			0.583	0.479	0.607	0.629	0.752		0.799		
A009927_01		0.096	-0.364	0.067	0.047	-0.442	-0.758	-0.31		-0.433		
A009934_01	NA			0.315	0.251 NA							
A009939_01	NA			-0.121	-0.122 NA			0.138		-0.045		
A009941_01		-0.095	0.064	-0.122	-0.106	0.42	0.607	0.677		0.654		

A009948_01		-0.681	-0.644	0.011	-0.054	-0.797	-0.481	-0.234	-0.435
A009949_01		0.496	0.339	-0.361	-0.167	-0.082	0.046	-0.128	0.089
A009956_01		-0.781	-0.433	-0.382	-0.212	0.303	0.281	0.499	0.538
A009958_01		0.576	0.259	-0.164	-0.053	-0.094	-0.084	-0.036	0.171
A009960_01	NA		NA	0.01	-0.127	NA	-0.039	0.016	0.032
A009964_01		-0.003	-0.063	0.186	-0.084	-0.016	-0.054	0.041	-0.073
A009965_01		0.317	0.103	-0.375	-0.412	-0.779	-0.621	-0.405	-0.592
A009968_01		0.424	0.223	0.402	0.253	0.488	0.145	0.072	0.016
A009979_01		0.319	0.348	0.4	0.267	0.375	0.463	0.361	0.249
A009988_01		-0.32	NA	0.387	0.275	0.691	0.642	0.816	0.657
A009989_01		0.447	0.524	-0.047	-0.014	0.828	0.765	0.567	0.607
A009990_01		-0.144	-0.491	-0.184	-0.097	-0.473	-0.569	-0.272	-0.215
A009991_01		0.431	NA	-0.242	-0.215	NA		-0.159	-0.185
A009994_01		0.045	0.157	0.18	0.065	0.202	-0.034	-0.033	-0.13
A009997_01	NA		NA	-0.041	0.075	0.1	0.153	0.062	0.139
A010000_01		0.393	0.208	-0.297	-0.146	-0.11	0.054	0.089	0.298
A010007_01		0.379	NA	0.513	0.474	NA	0.421	-0.048	NA
A010011_01		0.271	0.239	-0.681	-0.578	0.075	-0.037	-0.252	-0.342
A010018_01	NA		NA	0.159	0.168	NA	NA	-0.08	-0.148
A010021_01		-0.211	-0.105	0.018	0.127	-0.02	-0.04	-0.097	0.057
A010023_01		0.619	0.378	-0.666	NA	-0.16	-0.116	NA	NA
A010025_01	NA		NA	0.202	-0.001	NA	-0.206	0.079	-0.225
A010027_01		0.437	0.305	0.139	0.125	NA	NA		0.077
A010028_01		0.299	0.315	0.285	0.188	-0.179	-0.058	0.115	0.014
A010033_01		-0.765	-0.627	0.035	0.016	-0.333	-0.269	-0.259	-0.26
A010040_01		0.424	-0.175	0.021	0.065	-0.087	-0.473	-0.162	0.095
A010042_01		0.486	0.158	0.409	0.315	0.266	-0.064	-0.045	-0.204
A010044_01		-0.017	-0.112	0.036	0.041	-0.28	-0.301	-0.444	-0.585
A010047_01	NA		0.138	0.107	0.09	0.05	0.153	0.086	NA
A010048_01	NA		NA	-0.499	NA	NA	NA	NA	NA
A010049_01		0.085	0.101	0.026	-0.097	0.335	0.178	0.272	0.184
A010051_01		-0.065	-0.574	-1.019	-0.618	-0.814	-0.684	-0.752	-0.434
A010059_01		0.246	0.521	-0.286	-0.367	-0.369	-0.212	-0.176	-0.134
A010061_01		-0.504	-0.364	0.11	0.119	-0.205	-0.323	-0.167	-0.124
A010065_01	NA		NA	-0.111	-0.191	-0.576	NA	-0.471	-0.529
A010066_01		-0.174	0.216	-0.434	-0.365	0.104	-0.004	0.119	0.262
A010068_01		0.354	0.291	-0.042	0.052	0.096	0.199	0.343	0.49
A010172_01		0.739	0.332	-0.289	-0.262	0.046	-0.073	-0.003	0.007
A010173_01		-0.288	0.205	0.266	0.384	0.095	0.342	-0.051	0.093
A010174_01		0.092	-0.174	-0.191	-0.141	-0.218	-0.408	-0.186	-0.266
A010190_01	NA		NA	-0.752	-0.559	NA	NA	-0.995	-1.208
A010219_01	NA		NA	0.042	-0.04	NA	NA	-0.16	-0.338
A010227_01		-0.267	0.013	0.018	0.184	0.369	0.416	0.386	0.458
A010255_01	NA		-0.276	0.089	-0.054	0.57	0.153	0	-0.282
A010261_01		0.184	0.064	-0.377	-0.204	-0.5	-0.316	-0.093	0.024
A010262_01		-0.212	0.263	0.348	0.38	0.147	0.32	0.144	0.168
A010265_01		-0.01	-0.147	0.129	-0.033	-0.093	0.037	0.248	-0.046
A010270_01		0.55	0.388	0.108	NA	0.426	0.229	NA	0.441
A010272_01		0.148	0.103	-0.206	-0.159	0.391	0.28	-0.162	-0.026
A010274_01	NA		NA	-0.108	-0.208	-0.041	NA	0.189	0.166
A010275_01		-0.294	-0.014	-0.261	-0.289	0.114	-0.003	0.496	0.384
A010276_01		-0.68	-0.011	-0.143	-0.099	0.796	0.577	0.683	0.511
A010282_01	NA		NA	0.218	0.112	NA	NA	0.152	0.028
A010294_01		-0.225	-0.148	0.072	-0.032	0.25	0.248	0.02	0.106
A010296_01	NA		NA	-0.592	NA	-0.553	-0.51	-0.751	NA
A010300_01		-0.562	-0.527	-0.614	NA	-0.636	NA	-0.369	NA
A010306_01		0.875	0.974	0.07	0.13	1.128	1.035	0.848	1.076
A010307_01		-0.621	-0.166	0.522	0.431	0.22	0.421	0.177	0.279
A010308_01	NA		NA	0.273	0.3	NA	NA	-0.321	-0.213
A010310_01		-0.22	-0.035	0.093	0.227	-0.44	-0.237	-0.226	-0.137
A010313_01		0.696	0.397	0.184	0.089	0.697	NA	NA	0.406
A010315_01		-0.246	0.001	0.297	0.201	0.574	0.343	0.215	0.186
A010316_01		-0.738	-0.565	0.684	0.511	0.203	0.298	0.088	0.2
A010318_01		-0.341	-0.138	0.507	0.52	0.078	0.385	0.384	0.439
A010320_01		-0.652	-0.745	-0.685	-0.535	-1.165	-1.037	-0.709	-0.753
A010323_01		0.435	0.648	0.321	0.355	-0.053	0.036	-0.009	-0.057
A010327_01		0.369	0.219	-0.023	0.06	-0.083	0.104	0.063	0.017
A010328_01		1.062	0.656	0.258	0.211	0.397	0.189	0.142	0.265

A010329_01	-0.331	NA	-0.266	-0.25	NA	NA	0.342	0.286
A010333_01	-0.963	-0.252	0.322	0.263	-0.399	0.115	0.006	0.079
A010343_01	1.148	0.902	0.554	0.518	1.097	0.984	0.712	0.834
A010344_01	0.026	-0.104	-0.064	-0.031	0.091	-0.097	-0.108	-0.037
A010345_01	-0.438	-0.119	-0.232	-0.138	0.061	0.013	0.336	0.19
A010348_01	0.002	0.175	0.214	0.431	0.717	1.077	0.351	0.994
A010349_01	0.132	0.194	0.174	0.072	0.195	0.128	0.218	0.173
A010354_01	0.447	0.607	0.561	0.695	0.742	1.064	NA	NA
A010359_01	NA	NA	0.245	0.223	0.311	0.303	0.122	0.104
A010362_01	NA	NA	0.315	0.482	NA	NA	-0.338	-0.235
A010363_01	-0.596	-0.273	-0.097	0.027	0.299	0.075	0.141	0.065
A010365_01	-0.956	-0.993	-0.674	-0.508	-0.856	-0.897	-0.62	-0.72
A010369_01	-0.459	-0.558	-0.162	-0.218	-0.867	-0.699	-0.373	-0.662
A010371_01	NA	NA	0.565	0.246	NA	NA	0.361	0.013
A010374_01	-1.002	NA	0.218	0.191	0.078	0.179	-0.009	0.002
A010377_01	-0.459	-0.13	0.087	-0.059	-0.063	-0.001	0.052	-0.137
A010378_01	-1.764	NA	-3.055	-2.263	-1.551	-1.29	-1.611	-1.925
A010379_01	0.296	0.406	0.045	0.085	0.289	0.309	-0.137	0.003
A010383_01	-0.153	0.1	0.152	0.059	0.341	0.797	0.659	0.613
A010390_01	0.156	0.021	-0.36	-0.372	0.303	0.281	0.029	-0.119
A010393_01	-1.624	NA	-2.353	-1.446	-1.452	-1.335	-1.435	-1.676
A010395_01	NA	NA	-0.186	-0.266	NA	NA	-0.271	NA
A010400_01	0.541	0.42	0.495	0.538	0.727	0.511	0.241	0.172
A010404_01	NA	-0.188	-0.245	NA	NA	-0.594	NA	NA
A010411_01	0.644	0.209	-0.471	-0.235	NA	-0.013	-0.027	0.159
A010413_01	NA	-0.544	-0.382	NA	NA	NA	NA	NA
A010414_01	-0.027	0.306	-0.124	0.084	-0.159	0.807	0.675	1.003
A010417_01	NA	NA	0.022	0.038	0.11	0.081	0.321	0.203
A010420_01	-0.027	-0.273	-0.588	-0.336	-0.232	-0.303	-0.332	-0.333
A010425_01	-0.351	-0.119	-0.034	-0.038	0.168	0.152	0.269	0.163
A010433_01	-0.647	-0.295	0.148	0.207	0.353	0.328	0.37	0.311
A010434_01	-0.286	-0.229	-0.136	-0.033	-0.26	-0.051	-0.301	-0.346
A010441_01	NA	NA	-0.155	NA	-0.545	-0.829	NA	NA
A010443_01	-1.366	-1.228	-0.181	-0.106	0.124	0.327	-0.047	0.017
A010449_01	0.153	-0.04	-0.053	-0.07	-0.529	-0.634	-0.404	-0.372
A010451_01	-0.59	-0.181	0.255	0.326	-0.106	-0.021	-0.351	-0.29
A010452_01	-0.531	-0.225	0.104	0.152	0.065	0.026	-0.21	-0.164
A010456_01	-0.325	-0.303	0.204	0.172	0.199	0.133	-0.001	0.016
A010457_01	NA	NA	-0.012	NA	NA	NA	0.228	0.028
A010458_01	0.315	0.258	-0.261	-0.111	0.019	0.065	0.036	0.009
A010459_01	NA	NA	0.26	0.17	NA	NA	-0.122	-0.181
A010460_01	0.177	0.072	-0.451	-0.23	-0.503	-0.46	-0.299	-0.235
A010461_01	-0.502	-0.866	NA	NA	-0.903	NA	NA	NA
A010463_01	0.73	0.338	-0.625	-0.448	0.095	-0.176	-0.415	-0.248
A010464_01	-0.997	-0.573	0.561	0.41	0.367	0.335	0.106	-0.026
A010466_01	-1.135	NA	NA	NA	-0.043	NA	0.259	NA
A010467_01	0.069	NA	-0.585	-0.493	-0.243	NA	-0.12	-0.449
A010469_01	0.221	-0.013	-0.436	-0.132	-0.122	-0.158	0.186	0.059
A010473_01	NA	0.044	-0.014	NA	0.183	NA	-0.128	0.003
A010480_01	NA	NA	0.06	0.152	NA	NA	-0.121	NA
A010481_01	0.333	0.499	0.715	0.603	0.34	0.213	0.192	0.279
A010495_01	-0.006	0.018	0.443	0.342	0.565	0.508	0.714	0.723
A010498_01	NA	NA	0.432	0.314	NA	NA	0.292	0.032
A010502_01	-0.211	-0.09	0.293	0.157	-0.019	0.082	0.025	-0.002
A010504_01	0.565	NA	0.081	0.186	0.481	0.23	-0.156	NA
A010506_01	0.06	-0.245	-1.662	-1.285	-1.22	-1.268	NA	-0.979
A010508_01	0.137	0.178	0.396	0.258	0.464	0.29	0.144	0.063
A010516_01	0.291	0.138	-0.278	-0.251	0.071	0.081	-0.033	-0.118
A010517_01	-0.057	-0.87	-1.467	-1.376	-0.527	-0.789	-1.297	-1.193
A010518_01	0.536	0.557	0.394	0.452	1.69	1.278	0.769	0.793
A010522_01	-0.521	-0.494	-0.226	NA	-0.16	-0.317	NA	NA
A010526_01	0.07	-0.317	-0.455	NA	-0.405	-0.687	NA	-0.583
A010527_01	0.629	0.52	0.37	0.367	0.458	0.286	-0.045	-0.079
A010534_01	-0.094	-0.014	0.361	NA	0.607	0.539	0.315	NA
A010535_01	0.271	0.357	-0.069	-0.128	0.158	0.483	0.452	0.519
A010538_01	0.587	0.529	-0.351	NA	0.257	0.229	0.137	NA
A010541_01	0.58	0.663	-0.302	-0.271	-0.042	0.015	0.491	0.49
A010544_01	-0.274	-0.236	0.118	0.052	-0.171	-0.14	0.145	-0.058

A010548_01		-1.192	-0.902	-0.223	-0.166	-0.721	-0.879	-0.493	-0.699
A010549_01	NA	NA		0.127	0.026 NA	NA		-0.36	-0.373
A010555_01		0.533	0.804	0.485	0.47	0.669	0.975	0.59	0.684
A010557_01		-0.339	-0.157	-0.153	-0.185	-0.065	-0.162	-0.083	-0.31
A010559_01		-0.079	-0.308	-0.655	-0.528	-0.315	-0.244	-0.41	-0.172
A010563_01		0.199	0.449	0.202	0.21	0.729	0.483	0.788	0.829
A010564_01		0.042	-0.032	0.313	0.231	0.378	0.116	0.081	-0.093
A010568_01		-1.071	-0.264	-0.009	0.011	0.026	0.143	-0.21	0.022
A010571_01		0.276 NA		-0.218	-0.069	-0.016	-0.375	-0.191	-0.209
A010573_01		-0.009	0.042	0.124	0.117	0.192	0.069	0.291	0.017
A010578_01		0.245	0.205	-0.166	-0.214	0.085	-0.052	0.178	-0.066
A010579_01		-0.211	-0.088	-0.149	0.024	-0.429	-0.258	-0.702	-0.674
A010582_01		0.461	0.427	-0.498 NA		0.76	0.5	0.793	0.776
A010591_01	NA	NA		0.082	-0.051 NA	NA		-0.213	-0.183
A010592_01	NA	NA		0.01	-0.153	-0.228 NA		-0.287	-0.557
A010593_01		0.445	0.201	-0.406	-0.396	-0.037	0.106	0.101	0.239
A010595_01		0.33	0.024	-0.221	-0.249	-0.24	-0.325	-0.035	-0.067
A010599_01		-1.589	-1.18	-0.63	-0.543	-1.307	-0.898	-0.723	-0.78
A010601_01		0.877	0.704	-0.527 NA		-0.043	0.142 NA		0.278
A010602_01		0.235 NA		0.018	-0.06	0.328 NA		0.151	0.01
A010603_01	NA	NA		0.294	-0.015 NA		0.302	0.421	0.163
A010604_01	NA	NA		0.141	-0.031	0.406 NA	NA		-0.094
A010605_01		-0.179 NA		-0.471	-0.45	-0.136	-0.279	-0.243	-0.433
A010606_01		-0.121	0.016	0.285	0.314	0.559	0.515	0.607	0.563
A010607_01		-0.598 NA		0.159	0.262	-0.113	-0.151	-0.299	-0.211
A010608_01		-0.26	-0.083	-0.68	-0.672	-0.211	-0.014	0.275	0.214
A010611_01	NA	NA		-0.178 NA		0.226	0.327 NA		0.661
A010612_01		0.094 NA		0.035	0.231	0.28	0.131	0.103	0.087
A010615_01		-0.185	0.013	0.202	0.085	0.225	0.009	0.13	0.045
A010616_01		-0.722	-0.771	0.466	0.184	-0.454	-0.468	0.123	-0.299
A010617_01		0.38	0.407	0.305	0.176	0.355	0.316	0.321	0.25
A010619_01		-0.034	0.596	0.171	0.386	0.347	0.855	0.821	1.12
A010624_01		-0.238	-0.176	0.684	0.62	0.395	0.387	0.198	0.112
A010625_01		-0.394	-0.109	0.002	0.018	0.269	0.204	0.093	0.166
A010626_01		-0.507	-0.622	-0.486	-0.491	-0.423	-0.559	-0.469	-0.361
A010628_01		-0.551	-0.621	-0.139	-0.155	-0.569	-0.477	-0.393	-0.439
A010629_01		-0.687	-0.716	-0.338	-0.268	-0.716	-0.823	-0.587	-0.693
A010632_01		1.242	1.043	-0.208 NA		0.859	0.769	0.991	1.013
A010633_01	NA	NA		-0.071 NA		-0.299 NA		0.079 NA	
A010634_01		-0.892	-0.634	0.002	-0.052	-0.323	-0.352	-0.276	-0.272
A010636_01		0.355	0.043	-0.123	0.177	-0.025	-0.268	-0.296	-0.252
A010637_01		0.072 NA		0.136	-0.106	0.507	0.229	0.33	0.081
A010638_01		0.409	0.059	-0.259	-0.288	0.175	0.224	-0.309	-0.46
A010643_01		-0.576	-0.242	-0.394	-0.339	-0.348	-0.269	-0.272	-0.21
A010645_01		-0.091	0.048	-0.44	-0.271	-0.318	-0.164	-0.064	-0.1
A010647_01		-0.384	-0.348	0.185	0.025	-0.268	-0.3	-0.337	-0.204
A010648_01		0.557	0.807	-0.516	-0.33	0.992	1.495	1.035	1.434
A010650_01		-0.182	0.154	-0.309	-0.314	-0.115	0.103	0.763	0.594
A010652_01		0.099	0.22	-0.023	-0.067	0.137	0.003	-0.09	-0.288
A010656_01		0.197	-0.036	-0.412	-0.26	-0.276	-0.396	-0.379	-0.161
A010658_01		-0.991	-0.964	0.614	0.63	-0.499	-0.373	-0.357	-0.337
A010659_01		0.441	0.268	0.223	0.128	0.151	-0.05	-0.155	-0.029
A010660_01		-0.788	-1.061	-1.285	-0.957	-0.836	-0.981	-1.089	-1.189
A010663_01		0.093	-0.142	-0.099	-0.092	-0.324	-0.017	-0.07	-0.077
A010666_01		-0.065	-0.387 NA		-0.504	0.231	0.392	0.355	0.436
A010669_01		0.726	0.925	0.313	0.273	0.086	0.552	0.989	0.92
A010676_01		-0.524	-0.405	-0.922	-0.711	-0.408	-0.067	-0.413	-0.32
A010677_01		0.393	0.415	0.224	0.366	0.459	0.366	0.501	0.63
A010678_01		0.141	0.141	-0.029	-0.148	0.173	0.187	0.218	0.075
A010679_01		-0.612 NA		-0.291	-0.358 NA		-0.735	-0.531	-0.711
A010681_01		0.999	0.551	-0.112	-0.135	0.335	0.127	0.203	0.201
A010689_01		-0.633 NA		-1.166 NA	NA	NA		-0.769 NA	
A010690_01		0.427	0.562	-0.077	-0.052	0.2	0.486	0.462	0.776
A010693_01		0.521	0.541	0.392	0.165	0.555	0.564	0.509	0.354
A010696_01		0.122	0.184	0.33	0.082	0.683	0.391	0.473	0.366
A010698_01		0.389	0.003	-0.526	-0.421	0	-0.405 NA		-0.36
A010699_01		0.441	0.219	-0.328	-0.199	-0.486	-0.597	-0.479	-0.155
A010701_01		1.165	0.644	0.173	0.371	0.662	0.956	0.843	1.177

A010704_01		0.135	0.142	0.6	0.401	0.576	0.514	0.432	0.353
A010706_01	NA	NA		-0.063	-0.037 NA		0.514	0.378	0.471
A010708_01	NA	NA		-0.538	-0.474 NA	NA		-0.945 NA	
A010709_01		-0.209	-0.476	-0.233	-0.226	-0.209	-0.417	-0.268	-0.284
A010710_01		0.12	-0.041	0.29	-0.155	0.238	-0.008	0.223	-0.211
A010713_01		0.135 NA		0.189	-0.006	0.114 NA		0.151	-0.056
A010715_01		0.574	0.43	0.173	0.159	0.11	0.153	-0.098	-0.096
A010720_01		0.425	0.428	0.123 NA		0.496	0.218	0.368	0.341
A010724_01		-0.523 NA		-0.137	-0.05	-0.31	-0.172	-0.241	-0.139
A010725_01		0.154	0.094	0.158	0.038	-0.095	-0.077	0.051	0.099
A010727_01		-0.34	-0.326	-0.042	-0.183	0.048	0.028	0.552	0.288
A010729_01		0.268	0.023	-0.156	-0.121	-0.19	-0.146	-0.009	0.062
A010731_01	NA	NA		-1.662	-1.432 NA	NA		-1.816	-2.104
A010732_01		-0.522	-0.559	0.113	0.046	-0.012	0.103	-0.068	-0.039
A010733_01		-1.391	-1.163	-0.822	-0.673	-1.018	-1.008	-0.779	-0.796
A010734_01		-0.376	-0.329	0.432	0.513	0.123	-0.005	0.117	0.176
A010737_01		0.202	0.357	0.094	0.121	0.314	0.306 NA		0.363
A010739_01	NA	NA		-0.371	-0.142 NA	NA		-1.824	-1.685
A010744_01		-0.163 NA		-0.269 NA		-0.268 NA	NA	NA	NA
A010745_01	NA	NA		0.055 NA		0.312 NA	NA	NA	NA
A010749_01		-0.069	-0.016	-0.155	-0.057	0.747	0.507	0.106	0.109
A010750_01		-0.498	-0.466	-1.288	-1.196	-0.959	-0.966	-0.917	-0.693
A010751_01		0.155 NA		0.048	-0.027 NA	NA		-0.479	-0.532
A010756_01	NA	NA		-0.221	-0.04 NA	NA		-0.503	-0.363
A010758_01		-0.783	-0.745	-0.037	-0.048	-0.694 NA		-0.438	-0.468
A010759_01		0.76	0.559	-0.25 NA	NA		0.254	0.267 NA	
A010772_01		0.025	0.074	-0.174	0.172	-0.115	0.128	0.042	0.158
A010775_01	NA	NA		-0.169	-0.08 NA	NA	NA		-0.081
A010776_01		-0.425	-0.219	-0.5	-0.387	-0.149	0.022	-0.001	0.02
A010781_01		0.473	0.177	-0.229	-0.163	0.542	0.418	0.279	0.232
A010790_01		0.491	0.486	0.459	0.389	-0.457	-0.062	-0.319	-0.26
A010803_01	NA	NA		-0.057	-0.127 NA	NA	NA	NA	NA
A010804_01		0.598	0.627	-0.545	-0.388	-0.217	0.054	-0.665	-0.499
A010805_01		-0.236	-0.042	0.393	0.273	0.844	0.747	0.559	0.42
A010815_01		0.113	0.037	0.16	0.108	-0.323	-0.231	-0.127	-0.161
A010819_01		0.628 NA		-0.524 NA		-0.454 NA		-0.553 NA	
A010822_01		0.315	0.303	0.711	0.288	0.632	0.324	0.473	0.189
A010834_01		-0.445	-0.193	-0.104	-0.002	-0.317 NA		-0.429	-0.222
A010837_01		-0.217	-0.299	-0.208	-0.007	-0.705	-0.475	-0.416	-0.379
A010846_01		0.675	0.202	-0.392	-0.25	-0.001	-0.036	0.062	0.133
A010851_01		0.257	0.229	-0.067	-0.067	0.362	0.236	0.085	0.044
A010863_01		-0.806	-0.922	-0.11	0.032	-0.168	-0.212	0.239	0.307
A010869_01		0.304	-0.008	-0.026	0.113	-0.478	-0.574	-0.412	-0.117
A010874_01		-0.014	0.53	0.275	0.281	0.187	0.192	0.13	0.027
A010875_01	NA	NA		0.183	0.093	0.044 NA		0.361	0.292
A010876_01		-0.314	0.007	-0.14	-0.064	0.053 NA		-0.296	-0.208
A010877_01	NA		-0.142	-0.61 NA	NA	NA		-0.247 NA	NA
A010879_01	NA	NA		-0.777 NA	NA	NA	NA	NA	NA
A010881_01		-1.494	-0.919	0.475	0.485	0.437	0.284	0.315	0.348
A010885_01		-0.67 NA		0.439	0.427	-0.055 NA		0.038	0.03
A010887_01		0.348	0.385	0.156 NA		0.445	0.24 NA		0.311
A010892_01		0.215	0.062	-0.116	-0.063	-0.064	-0.14	-0.202	-0.086
A010893_01		0.122	0.071	0.165	0.12	0.313	0.16	0.1	0.073
A010898_01		-0.575 NA		-1.273 NA		-0.58 NA		-0.64 NA	
A010902_01		0.382	0.546	-0.022	-0.121	0.716	0.495	0.688	0.595
A010909_01		0.119	0.072	-0.264	-0.109	-0.093	-0.104	-0.383	-0.318
A010911_01		-0.805	-1.128	-0.026	-0.012	-0.962	-0.894	-0.531	-0.461
A010912_01	NA	NA		-0.879	-0.847	-0.694 NA		-0.435	-0.881
A010915_01		0.889	0.366	0.237	0.373	0.381	0.416	-0.007	0.022
A010916_01		-0.421	-0.122	-0.321	-0.222	0.157	0.036	0.164	0.043
A010926_01		-0.023 NA		-0.365 NA		-0.292 NA	NA	NA	NA
A010929_01	NA	NA		0.467	0.549	0.199 NA	NA	NA	NA
A010934_01		0.164 NA		0.312	0.265	-0.247	-0.215	-0.377	-0.347
A010935_01		0.818	0.618	0.151	0.143	0.393	0.223	0.418	0.347
A010938_01		0.15	-0.121	-0.066	0.038	-0.284	0.006	0.001	0.157
A010941_01		0.213	0.078	-0.244	-0.135	-0.141	0.173	-0.277	-0.004
A010942_01		-0.043	0.02	0.103	-0.038	0.316	0.252	0.26	0.023
A010943_01	NA	NA		-0.097	-0.253 NA	NA		-0.415	-0.834

A010947_01		0.632	NA		0.264	0.205	NA		NA		-0.237	-0.205
A010948_01	NA		NA		-0.112	-0.269	NA		NA		-0.371	-0.641
A010949_01		1.095	0.773		0.482	0.389		1.282	0.943		0.922	0.974
A010951_01		0.383	0.309		0.186	0.217		0.299	0.436		0.561	0.495
A010955_01		-0.803	-0.311		-1.192	-0.968		-0.667	-0.302		-0.258	0.035
A010958_01		1.075	1.058		-0.645	-0.328		1.566	1.099		1.385	1.459
A010960_01		-0.262	-0.069		0.254	0.277		-0.249	-0.117		-0.008	-0.153
A010961_01		0.682	0.833		-0.397	-0.372		0.964	1.082		0.966	1.151
A010963_01		-0.282	-0.06		0.156	0.137		-0.051	0.118		0.038	0.053
A010964_01		0.467	0.548		-0.288	-0.223		0.703	0.413		0.63	0.677
A010973_01		-0.553	NA		0.048	NA		-0.199	NA		NA	NA
A010976_01		0.006	-0.243		0.277	0.273		0.06	-0.156		-0.329	-0.431
A010980_01	NA		NA		0.559	0.473	NA		NA		0.005	-0.021
A010995_01		0.071	NA		0.563	0.22		0.188	NA		0.255	NA
A010996_01		0.949	0.715		0.02	0.015		0.424	0.249		0.107	0.245
A011002_01	NA		-0.395		0.069	0.179		-0.546	-0.476		-0.552	-0.367
A011007_01		0.102	0.434		-0.268	-0.212		0.754	0.817		0.646	0.644
A011019_01		0.086	0.048		0.222	0.249		0.604	0.515		0.544	0.594
A011021_01		-0.328	-0.217		0.034	0.123		0.025	0.056		0.21	0.337
A011029_01		0.999	0.845		0.09	NA		0.626	0.768	NA		0.802
A011033_01		-0.05	0.188		0.132	0.195		0.418	0.555		0.328	0.424
A011038_01		0.505	0.261		0.312	0.084		0.72	0.468		0.491	0.325
A011039_01		0.537	0.391		-0.332	-0.185		0.102	0.162		0.061	0.155
A011040_01	NA		0.111		0.075	-0.078		0.319	0.456		0.106	0.092
A011046_01		-0.21	-0.075		-0.989	-0.744		-0.174	-0.354		-0.45	-0.584
A011048_01	NA		NA		-0.236	-0.149	NA		NA		-0.606	-0.568
A011054_01		0.67	0.215		-0.138	-0.08		-0.114	-0.15		-0.149	-0.207
A011055_01	NA		-0.271		-0.317	-0.341		-0.327	-0.505		0.052	-0.035
A011064_01		0.232	0.151		0.195	0.143		0.257	0.026		0.126	0.062
A011068_01		0.391	0.064		-0.202	-0.081		0.302	0.423		0.13	0.343
A011077_01		0.848	NA		0.001	NA		NA	NA		NA	NA
A011078_01		-0.055	-0.154		-0.728	-0.606		-0.265	-0.338		-0.306	-0.386
A011085_01		-0.605	-0.612		-0.377	-0.247		-0.715	-0.83		-0.445	-0.678
A011089_01		-1.006	-0.585		-0.023	-0.178		0.017	0.238		0.152	0.234
A011090_01	NA		NA		0.804	0.489		0.555	NA		0.278	0.078
A011094_01		-0.474	-0.25		0.701	0.485		0.937	0.75		0.607	0.438
A011096_01	NA		NA		0.206	-0.14	NA		NA		NA	NA
A011104_01		-0.004	NA		-0.78	-0.734		-0.352	NA		-0.275	-0.424
A011108_01	NA		NA		0.271	0.111		0.33	0.117		0.145	-0.082
A011109_01		-0.615	0.006		0.295	0.22		0.68	0.906		0.938	0.895
A011114_01		0.05	0.366		0.157	0.212		0.196	0.418		0.36	0.508
A011121_01		-0.035	-0.311		-0.076	0.056		-0.531	-0.799		-0.307	-0.281
A011124_01	NA		NA		0.45	0.21	NA		-0.017		0.095	-0.135
A011130_01		-0.004	0.259		0.242	0.206		0.053	0.447		0.433	0.396
A011132_01		0.437	0.159		-0.254	-0.196		-0.122	-0.354		-0.188	-0.225
A011133_01		-0.56	-0.765		-0.009	-0.01		-1.369	-1.298		-0.646	-0.754
A011142_01		0.542	0.294		0.112	0.159		0.141	0.06		0.088	-0.105
A011146_01		0.731	0.814		-1.248	-1.11		1.449	1.792		1.834	2.097
A011148_01	NA		-0.405		-0.6	-0.41	NA		-0.524		-0.501	NA
A011153_01		0.06	-0.17		-0.557	-0.613		0.041	-0.126		0.315	0.163
A011159_01		0.544	0.307		-0.277	-0.222		-0.293	-0.358		-0.09	-0.107
A011163_01	NA		NA		0.16	0.026	NA		NA		-0.127	-0.278
A011164_01	NA		NA		0.378	0.082	NA		NA		0.183	-0.211
A011167_01	NA		-0.531		-0.045	0.081	NA		0.114		-0.162	-0.128
A011171_01		0.856	0.4		-0.205	-0.109		0.032	-0.056		0.098	0.167
A011187_01	NA		NA		0.225	0.063	NA		NA		0.048	NA
A011189_01	NA		NA		0.442	0.235	NA		0.08		0.038	-0.218
A011190_01	NA		-1.114		-0.739	-0.55	NA		-0.84		-1.118	-1.032
A011193_01		-0.413	-0.599		-1.395	-0.979		-1.057	-1.009		-1.665	-1.796
A011194_01	NA		-0.526		-0.067	-0.173		-0.416	-0.322		-0.263	-0.546
A011198_01		-1.167	-1.642		-0.536	-0.478		1.556	1.489		1.361	1.142
A011199_01		-0.117	0		-0.749	-0.646		0.449	0.316		0.226	0.254
A011200_01		0.232	0.094		0.061	0.038		0.403	0.438		-0.136	-0.07
A011203_01		0.732	NA		0.019	-0.001		0.715	0.433		0.451	0.547
A011208_01		0.626	0.484		-0.29	NA		NA	NA		NA	NA
A011223_01		0.332	-0.109		-0.23	-0.27		0.044	-0.223		-0.074	-0.041
A011226_01	NA		NA		-0.264	NA		NA	NA		NA	NA
A011227_01		1.118	0.706		-1.387	-1.283		0.224	0.304		-1.218	-1.285

A011228_01		0.903	0.479	-0.073	-0.152	0.178	0.018	0.116	0.121
A011231_01		-0.274	-0.089	0.32	0.229	0.324	0.207	0.117	0.062
A011242_01		0.449	0.37	0.064	0.067	0.514	0.395	0.233	0.254
A011250_01		-2.03	-0.986	-0.015	-0.164	-0.268	0.047	0.122	-0.191
A011263_01		-0.356	-0.171	0.122	-0.032	-0.037	0.075	0.014	-0.147
A011267_01		-0.263	-0.49	-0.701	-0.44	-0.667	-0.886	-0.596	-0.527
A011270_01	NA	NA		0.273	0.224	NA	NA	-0.146	-0.209
A011274_01		0.089	-0.282	-0.351	-0.325	-0.515	-0.577	-0.546	NA
A011285_01		0.833	0.851	0.071	-0.06	0.982	0.836	0.661	0.648
A011288_01	NA	NA		-0.911	NA	NA	NA	-0.636	NA
A011296_01	NA	NA		0.398	0.23	-0.354	NA	-0.217	-0.193
A011301_01		0.421	0.512	-0.036	0.138	0.198	0.445	0.183	0.216
A011304_01		-0.338	-0.197	-0.39	-0.163	-0.568	-0.213	-0.3	-0.173
A011306_01	NA	NA		-0.121	NA	NA	NA	0.178	NA
A011307_01		0.238	0.018	-0.514	-0.346	0.194	0.308	0.26	0.678
A011311_01		-0.134	0.133	0.25	0.274	0.448	0.215	0.366	0.296
A011320_01		-1.589	NA	NA	NA	NA	-1.947	-1.945	NA
A011322_01		-0.763	0.272	0.265	0.113	0.39	NA	0.21	0.21
A011323_01		0.459	0.505	-0.558	-0.34	0.487	0.237	0.632	0.685
A011326_01		0.35	-0.14	0.13	0.244	-0.1	-0.075	-0.323	-0.101
A011331_01		0.574	0.382	0.181	0.341	0.968	0.566	0.558	0.734
A011336_01		0.071	0.166	-0.026	-0.028	0.166	-0.004	0.084	0.115
A011338_01		0.345	0.484	0.157	0.23	0.125	0.147	NA	0.209
A011339_01		0.585	0.51	0.052	0.146	0.255	0.368	0.078	0.389
A011341_01		0.542	0.513	0.051	NA	0.167	0.02	0.208	0.285
A011342_01	NA	NA		-0.289	-0.083	-0.818	NA	-0.668	-0.662
A011343_01		-0.778	-1.1	-0.259	-0.169	-1.16	-1.052	-0.135	-0.206
A011344_01		-0.316	-0.354	-0.998	-0.79	-1.511	-1.229	-1.167	-1.068
A011349_01	NA	NA		0.042	NA	NA	NA	-0.188	NA
A011356_01	NA	NA		0.29	0.107	NA	NA	NA	-0.064
A011359_01		0.322	0.715	0.489	0.571	1.297	1.789	1.159	1.463
A011361_01		-0.348	-0.141	-0.588	-0.455	-0.293	-0.177	0.294	0.51
A011372_01	NA	NA		-0.359	NA	NA	NA	NA	NA
A011374_01		0.289	0.388	0.16	-0.039	0.111	0.143	0.334	0.073
A011382_01		-0.295	-0.026	-0.139	-0.09	0.101	0.128	-0.012	0.02
A011384_01		0.222	-0.017	-0.06	-0.032	0.097	-0.161	0.145	0.029
A011385_01		0.126	-0.229	0.23	0.04	-0.063	-0.392	-0.194	-0.301
A011387_01	NA	NA		0.255	-0.029	0.048	NA	0.236	0.154
A011390_01		-0.153	NA	NA	NA	-0.112	-0.41	0.122	NA
A011395_01		-0.322	NA	0.29	0.138	0.135	0.171	0.083	0.163
A011396_01		-0.869	-0.687	-0.287	-0.111	-0.952	-0.992	-0.781	-0.675
A011397_01		0.269	0.056	-0.115	-0.113	0.143	0.34	0.107	0.223
A011407_01		-0.192	-0.001	0.416	0.398	0.528	0.927	0.767	1.058
A011414_01	NA	NA		0.33	0.327	NA	-0.065	-0.103	-0.227
A011416_01		-0.723	-0.514	0.171	0.14	0.262	0.183	-0.034	-0.034
A011419_01		0.716	0.173	-0.459	-0.273	-0.142	-0.368	-0.783	-0.367
A011422_01		-0.029	0	0.336	0.062	0.231	0.012	0.177	-0.169
A011426_01	NA	NA		0.577	0.457	NA	NA	0.04	0.012
A011428_01	NA	NA		0.293	0.354	NA	NA	NA	0.214
A011429_01		-0.492	0.034	0.009	0.089	0.291	0.583	0.511	0.657
A011435_01	NA	NA		0.415	0.361	NA	NA	-0.01	0.043
A011436_01		1.224	1.031	-0.023	-0.001	0.409	0.318	0.196	NA
A011441_01		0.877	0.581	0.068	0.173	0.696	0.664	0.441	0.619
A011445_01		-0.594	-0.264	0.081	0.083	0.276	0.353	0.029	0.281
A011446_01		0.215	0.189	-0.635	NA	-0.15	-0.113	0.12	0.233
A011452_01		-0.014	-0.154	-0.042	-0.035	-0.107	-0.192	NA	-0.017
A011455_01		0.207	0.232	0.219	0.155	0.219	0.154	0.196	0.246
A011460_01	NA	NA		-0.264	0.022	0.065	NA	-0.135	-0.035
A011461_01	NA	NA		-0.115	0.072	NA	NA	-0.233	0.075
A011462_01	NA	NA		0.035	-0.128	NA	NA	NA	NA
A011471_01		-0.477	NA	0.348	0.384	0.058	NA	NA	NA
A011472_01		0.455	0.261	0.041	-0.043	-0.104	-0.163	-0.169	-0.221
A011474_01		-0.294	-0.121	-0.367	-0.203	-0.279	-0.31	-0.307	-0.158
A011478_01	NA	NA		0.626	0.372	0.309	0.338	0.091	0.097
A011479_01		-0.043	-0.491	-0.374	-0.281	-0.563	-0.789	-0.598	-0.832
A011480_01		0.016	-0.398	0.095	-0.002	-0.271	-0.416	-0.228	-0.232
A011486_01		0.124	-0.068	-0.288	-0.268	-0.372	-0.278	-0.425	-0.34
A011487_01	NA	NA		0.443	0.138	0.108	NA	-0.251	-0.291

A011489_01		0.523	-0.13 NA	NA		-0.594	-0.883 NA	NA	
A011491_01	NA		-0.433	-0.236 NA		-0.456 NA	NA	NA	
A011505_01		-0.449	-0.023	-0.356	-0.062	-0.49 NA	NA		-0.399
A011508_01		-0.308	-0.233	-0.164	-0.118	-0.232	-0.06	0.064	-0.059
A011510_01		-0.469	-0.013	0.157	0.017	0.205	0.13	-0.046	-0.027
A011511_01		0.072	0.01	-0.244	-0.181	0.187	-0.079	-0.023	-0.088
A011512_01		0.558	0.447	-0.096 NA		0.459	0.333	0.674	0.754
A011521_01		-0.099	-0.31	0.188	0.093	-0.395	-0.287	0.079	-0.102
A011522_01		-0.695	-0.606	0.155	-0.03	-0.239	-0.266	-0.229	-0.305
A011523_01		0.277	-0.119 NA	NA		-0.842	-1.053 NA	NA	
A011526_01		-0.378	-0.2	0.301	0.387	0.211	0.037	-0.061	0.011
A011532_01		0.386	0.594	0.777	0.832	0.425	0.699	0.411	0.56
A011533_01	NA	NA		0.363	0.473 NA	NA		-0.424	-0.413
A011535_01		0.19	0.202	0.232	0.137	0.309	0.268	0.106	0.043
A011536_01	NA		-0.147	-0.075 NA		-0.351 NA	NA	NA	
A011539_01		0.203	0.095	-0.116	-0.113	0.342	-0.096	0.019	0.056
A011540_01		0.036	0.16	-0.254	-0.117	-0.13	0.03	-0.223	0.096
A011541_01	NA	NA		-0.552	-0.593 NA	NA		-0.741	-0.679
A011544_01		-0.175	-0.005	-0.013	-0.107	0.119	0.151	0.237	0.166
A011546_01	NA	NA		0.212	-0.045 NA		-0.023	0.214	-0.176
A011548_01		-2.835 NA	NA	NA		-2.749 NA	NA	NA	
A011550_01		1.252	0.997	-0.048	-0.069	0.569	0.418	0.583	0.664
A011557_01	NA	NA		-0.109	-0.005 NA		-0.699	-0.564	-0.507
A011566_01		-0.586	-0.041	0.044	-0.022	-0.035	0.237	0.226	0.156
A011569_01		-0.995	-0.681	-0.814	-0.739	-0.845	-0.844	-0.697	-0.951
A011571_01		0.335 NA		-0.213 NA	NA	NA	NA	NA	
A011574_01		-0.526	-0.175	-0.182	-0.207	0.491	0.263	0.385	0.23
A011575_01		0.444	0.182	0.162	0.061	0.277	0.115	0.105	0.043
A011576_01		0.377	0.244	-0.037	-0.139	0.397	0.234	0.209	-0.152
A011584_01		-0.642	-0.118	0.328	0.291	-0.05	0.103	0.15	0.09
A011585_01		-1.081	-1.064	0.088	0.03	-0.12	-0.089	0.052	0.008
A011589_01		0.226	0.061	0.159	0.042	0.292	0.172	0.389	0.211
A011592_01	NA	NA		0.489	0.374 NA		0.023	0.277	0.048
A011593_01	NA	NA		0.004	-0.085	-0.13	-0.01	0.392	0.612
A011600_01		0.304	0.191	-0.186	-0.068	0.007	0.292	0.097	0.328
A011601_01	NA	NA		-2.232	-1.766 NA	NA	NA	NA	
A011604_01		-0.25	-0.095	0.167	0.102	-0.008	-0.126	-0.292	-0.35
A011606_01		-0.255	-0.452	-0.475	-0.501	0.053	-0.155	0.175	0.267
A011607_01		-0.375	-0.617	-0.351	-0.321	0.353	0.408	0.579	0.462
A011610_01		0.41	0.286	-0.467	-0.333	0.033	0.201	0.007	0.045
A011611_01		0.595	0.184	-0.033	-0.111 NA		-0.287	-0.06	-0.093
A011613_01	NA	NA		0.12	-0.073	-0.319 NA		-0.042	-0.011
A011614_01		-1.243	-1.702	-2.019	-1.622	-2.465	-2.241	-1.964	-1.6
A011619_01	NA	NA		0.425	0.362	-0.483 NA	NA		-0.038
A011622_01		-0.301	0.168	0.027	0.097	0.514	0.724	0.949	0.985
A011624_01	NA	NA		-0.048	0.001	0.364 NA		0.258	0.271
A011625_01		0.351	0.17	0.223	0.375	-0.062 NA	NA		-0.018
A011629_01		-0.388	-0.263	-0.104	-0.186	-0.302	0.04	0.156	0.183
A011630_01		-0.1	0.085	-0.158 NA		0.271	0.192	0.263	0.267
A011631_01		-0.592	-0.046	0.552	0.482	0.029	0.237	-0.085	-0.183
A011634_01		-0.265	-0.437	0.275	0.193	-0.53	-0.604	-0.282	-0.522
A011637_01	NA	NA		0.379	0.293 NA	NA		0.079 NA	
A011650_01		-0.957	-1.006	-0.447	-0.445	-0.883	-0.535	-0.309	-0.468
A011652_01		-0.236	-0.205	-0.375	-0.199	0.304	0.421	0.508	0.708
A011653_01		0.102	0.062	-0.013	0.043	-0.046	-0.058	0.102	0.01
A011654_01		-0.233	-0.103	-0.193	-0.196	0.148	-0.033	-0.035	-0.077
A011655_01		0.033	0.089	0.102	0.215	0.225	0.066	0.292	0.136
A011658_01		-0.274	-0.068	0.238	0.295	0.628	0.865	0.836	1.065
A011661_01		0.276	0.288	0.229	0.097	-0.106	-0.09	-0.081	-0.206
A011662_01		-0.268	-0.689	-0.401	-0.309	-0.794	-0.956	-0.633	-0.474
A011663_01		0.219	0.243	-0.769	-0.455	0.297	0.282	0.36	0.512
A011665_01		-1.151	-0.695	-0.123	-0.021	0.147	0.273	0.732	0.801
A011666_01		-0.155	-0.493	0.08	0.007	-0.5	-0.569	-0.205	-0.244
A011671_01		-0.591	-0.319	-0.987	-0.623	-0.596	-0.225	-0.472	0.122
A011672_01	NA	NA		0.182	0.055 NA	NA		0.447	0.411
A011673_01		-1.11	-0.762	-2.032	-1.627	-0.474	-0.694	-0.737	-0.801
A011674_01		-0.563	-0.425	-0.054	0.162	-0.648	-0.621	-0.223	-0.144
A011675_01		-0.11 NA		-0.212	-0.214	-0.155 NA		-0.102	0.004

A011677_01		0.137	0.285	0.325	0.198	0.176	0.119	-0.012	-0.168
A011678_01		0.184	-0.184	-0.175 NA		-0.109 NA	NA	NA	
A011687_01		-0.379	-0.077	0.218	0.114	-0.118	-0.024	0.07	0.04
A011689_01		-0.2	-0.568	-0.902	-0.737	-0.564	-0.745	-1.021	-0.966
A011691_01	NA	NA		0.396	0.331	0.088 NA		0.196	0.019
A011692_01		-0.352	0.182	0.138	0.23	-0.205	0.286	0.004	0.085
A011693_01	NA	NA		0.074	0.054 NA	NA		0.101 NA	
A011694_01		-1.036	-0.159	-0.186	-0.048	-0.102	0.304	0.261	0.426
A011695_01		-1.009	-0.625	0.316	0.436	-0.169 NA		-0.264	-0.007
A011696_01	NA	NA		-0.244	-0.267 NA	NA		0.477	0.675
A011700_01		0.821	0.299	-0.098	-0.026	0.121	0.426	-0.007	0.329
A011703_01	NA	NA		-0.324 NA		0.294 NA		0.428 NA	
A011712_01	NA	NA		0.206	0.215 NA	NA		-0.168	-0.286
A011713_01	NA	NA		0.104	-0.1 NA	NA		-0.492	-0.802
A011716_01		-0.29	-0.002	0.261	0.234	0.366	0.2	0.093	0.027
A011717_01		-0.981	-0.542	-0.342	-0.085	-0.862	-0.488	-0.315	-0.228
A011718_01	NA	NA		-0.558	-0.191	0.235 NA	NA		0.325
A011719_01	NA	NA		0.259	0.432 NA	NA		-0.273	0.036
A011720_01		0.618	0.558	-0.47	-0.216	-0.077	-0.032	0.143	0.361
A011722_01		-0.888	-0.915	-0.665	-0.524	-0.906	-0.734	-0.729	-0.631
A011724_01		0.457	0.281	-0.401	-0.251	-0.414	-0.231	-0.051	0.35
A011725_01	NA	NA		0.007	0.083 NA	NA		-0.19	-0.197
A011726_01		0.731	0.864	0.291	0.423	0.561	1.017	1.039	1.188
A011728_01		0.331	0.289	-0.257	-0.209	0.329	0.165	0.209	-0.11
A011732_01		-0.045	0.273	-0.376	-0.28	0.21	0.29	-0.116	0.168
A011740_01	NA	NA		-0.954	-0.72 NA	NA		-0.736	-0.629
A011743_01	NA		-0.26	0.559	0.493	0.211	0.322	0.208	0.299
A011749_01		0.581 NA		-0.42 NA	NA	NA	NA	NA	
A011750_01		0.176	0.075	0.231	0.24	0.423	0.44	0.11	0.213
A011752_01		-0.061	-0.096	-0.109	-0.089	0.169	0.213	0.087	0.167
A011755_01		-0.445	0.396	-0.369	0.089	-0.592	0.757	-0.167	0.598
A011757_01		-0.731	-0.233	-0.213	-0.03	-0.849	-0.255	0.042	0.118
A011758_01		0.56	0.532	0.391	0.282	0.429	0.332	0.5	0.374
A011760_01		-0.355	-0.278	-0.435	-0.195	-0.714	-0.511	-0.438	-0.255
A011761_01	NA	NA		-0.387	-0.278	-0.404 NA		-0.349	-0.313
A011762_01		-0.323	-0.273	-0.224	-0.321	-0.058	-0.029	0.205	0.218
A011763_01		-0.591	-0.106	-0.038	0.178	-0.473	0.067	-0.104	0.099
A011764_01		-0.921	-0.437	-0.552	-0.37	0.269	0.126	-0.16	-0.073
A011766_01		-0.841 NA		-0.951	-0.647	-0.956	-0.806	-0.513	-0.529
A011767_01		0.275	0.31	0.328	0.248	0.462	0.474	0.275	0.258
A011769_01		0.551	0.5	0.012	-0.066	0.15	0.093	0.531	0.402
A011770_01		0.063	-0.118	0.473	0.233	0.548	0.468	0.233	0.108
A011772_01		-0.717	-0.675	-0.879	-0.738	-0.223	-0.601	-0.405	-0.609
A011773_01	NA	NA		0.082	0.091 NA	NA		0.098	0.323
A011774_01		-0.404	-0.152	-0.244	-0.151	0.14	0.064	0.443	0.304
A011775_01		-0.209	0.107	-0.15	-0.052	0.002	0.453	0.34	0.314
A011777_01		0.239	0.406	-0.198	-0.171	-0.42	-0.1	-0.605	-0.514
A011778_01		0.218	0.108	-0.184	-0.221	0.035	-0.069	0.091	0.319
A011779_01		0.616	0.382	-0.311	-0.293	0.382	-0.021	-0.011	-0.158
A011780_01		0.336	-0.002	0.043	-0.076	0.251	0.136	0.245	0.058
A011781_01		1.088	0.898	-0.102	-0.142	0.824	0.565	0.595	0.446
A011782_01	NA	NA		-0.576 NA		-0.407 NA		0.217	0.027
A011784_01		-0.576	-0.451	-0.24	-0.216	-0.83	-0.773	-0.387	-0.532
A011788_01		1.088	0.839	0.349	0.249	0.676	0.49	0.255	0.253
A011793_01		0.1	0.349	-0.25	0.042	-0.559	-0.285	-0.293	-0.004
A011795_01		-1.63	-1.317	0.44	0.351	-1.784	-1.45	-0.883	-1.208
A011797_01		0.234 NA		-0.617 NA		-0.439 NA	NA	NA	
A011798_01		0.137	0.105	-0.205	-0.186	0.303	0.242	0.371	0.436
A011800_01		-0.296	0.045	0.445	-0.022	-0.677	0.052	0.371	0.039
A011802_01		0.273	0.271	0.104	0.123	0.05	0.087	0.157	0.107
A011806_01		0.035	-0.009	0.002	-0.024	0.145	0.041	0.227	0.166
A011807_01		-0.077	0.565	-0.177	-0.043	-0.559	-0.07	-0.203	-0.074
A011808_01	NA	NA		-0.988	-0.919 NA	NA	NA	NA	
A011810_01		-0.376	-0.505	0.007	0.053	-0.968	-0.706	-1.406	-1.516
A011811_01		0.973	0.83	-0.752	-0.642	1.803	1.626	1.725	1.84
A011812_01		-0.005	0.124	-0.066	-0.022	0.001	0.009	0.032	-0.016
A011813_01		0.031	-0.075	-0.144	0.005	-0.039	0.189	0.009	0.243
A011814_01	NA		-1.615	-0.365	-0.353	-0.821	-0.803	-0.577	-0.581

A011816_01	NA	NA	0.3	0.198	NA	NA		-0.043	-0.17
A011817_01		-0.247	-0.255	0.586	0.478	-0.161	-0.09	-0.137	-0.298
A011819_01		0.167	0.444	-0.193	-0.034	0.274	0.593	0.549	0.642
A011820_01		-0.556	0.297	0.645	0.41	0.473	0.258	0.78	0.697
A011822_01		-1.602	-1.366	-0.098	-0.013	-1.075	-0.937	-0.509	-0.529
A011825_01	NA	NA	0.258	0.094	NA	NA		0.215	0.01
A011826_01		-0.554	-0.405	0.224	0.217	-0.211	-0.235	-0.063	-0.077
A011830_01		0.48	0.084	0.223	0.217	-0.424	-0.678	-0.314	-0.25
A011831_01		-0.198	-0.081	-0.003	0.014	0.439	0.501	0.274	0.359
A011838_01	NA		-0.069	-0.173	NA	0.26	NA	NA	NA
A011842_01	NA		-0.74	-0.275	-0.334	0.064	0.032	-0.02	-0.214
A011843_01		-0.65	-0.234	-0.069	-0.055	-0.604	-0.127	-0.213	-0.137
A011844_01		-0.249	-0.221	-0.111	-0.071	-0.081	-0.109	-0.439	-0.277
A011852_01		0.008	0.074	-0.182	-0.084	0.007	-0.02	0.036	0.071
A011853_01		0.35	0.117	-0.397	-0.262	-0.199	-0.107	-0.191	-0.251
A011854_01		-0.444	0.034	0.151	0.13	0.382	0.384	-0.093	-0.189
A011855_01		0.105	-0.056	-0.111	-0.145	-0.157	-0.086	-0.077	0.013
A011856_01	NA	NA	0.016	0.019	NA	NA	NA		0.296
A011858_01		-0.177	-0.562	-0.739	-0.657	-0.678	-0.897	-0.35	-0.525
A011859_01		-0.025	-0.163	-0.131	0.013	0.002	-0.096	0.064	0.148
A011861_01		-0.45	-1.194	-1.443	-1.297	-1.417	-1.478	-0.867	-1.05
A011862_01	NA		0.365	0.156	0.099	NA	0.516	0.402	0.293
A011864_01	NA	NA	-0.237	-0.367		0.55	NA	0.338	0.009
A011865_01		0.413	0.105	-0.265	NA	0.208	-0.257	0.241	NA
A011866_01		-0.197	0.008	-0.185	-0.04	0.021	0.153	0.322	0.399
A011870_01		-1.076	NA	-0.623	-0.656	0.106	0.071	0.56	0.715
A011872_01	NA	NA	0.02	-0.042	NA	NA		-0.187	-0.221
A011874_01		0.41	0.148	0.221	-0.052	0.541	0.183	0.381	-0.045
A011875_01		0.28	0.5	0.296	0.254	0.407	0.458	0.591	0.724
A011877_01		-0.462	-0.079	0.214	0.105	0.377	0.098	0.218	-0.061
A011881_01		0.337	0.29	0.018	0.067	0.495	0.329	0.398	0.415
A011885_01		0.542	0.208	-0.381	-0.196	-0.154	-0.4	0.284	0.2
A011887_01		1.071	0.59	0.449	0.405	0.482	0.586	0.319	0.248
A011888_01		0.15	0.019	-0.314	-0.129	-0.231	-0.366	-0.238	-0.149
A011889_01		0.329	0.614	0.16	0.335	0.936	0.771	0.344	0.573
A011890_01		-0.36	-0.135	-0.349	-0.133	-0.297	-0.125	-0.404	-0.356
A011895_01		-0.406	NA	-0.309	-0.213	0.098	0.087	0.089	0.129
A011896_01		0.541	0.698	0.068	0.312	0.778	1.012	0.781	1.355
A011901_01		0.556	0.509	0.18	NA	0.25	0.089	NA	-0.044
A011903_01		0.039	-0.203	0.018	-0.204	-0.011	-0.213	-0.101	-0.379
A011910_01		0.142	0.001	-0.256	-0.186	-0.204	-0.354	-0.32	-0.258
A011912_01		-1.259	-0.702	0.609	0.783	-0.225	0.14	-0.244	0.107
A011915_01		0.539	NA	-0.827	NA	-0.472	NA	NA	NA
A011921_01		0.272	NA	0.548	0.456	0.41	NA	0.154	0.091
A011932_01		-0.327	-0.4	-0.145	-0.092	0.78	0.897	0.979	0.965
A011935_01	NA	NA	-0.215	NA		-0.538	NA	-0.406	NA
A011936_01	NA	NA	-0.06	-0.103	NA	NA		-0.103	-0.271
A011941_01		0.091	0.079	-0.685	NA	-0.051	0.194	0.206	NA
A011942_01		-0.187	-0.326	-0.216	-0.055	-0.739	-0.529	-0.447	-0.33
A011946_01		0.135	0.088	0.207	0.18	-0.084	0.044	-0.488	-0.229
A011949_01	NA	NA	-1.057	-0.741	-1.096	-1.231	-0.739	-0.785	-0.785
A011950_01		0.32	0.174	-0.179	-0.22	0.345	0.096	0.353	0.27
A011957_01		-1.129	-0.973	-0.045	0.019	0.105	0.158	0.117	0.228
A011963_01		0.255	0.458	-0.536	-0.413	-0.017	-0.085	-0.423	-0.39
A011965_01		0.818	0.346	-0.361	-0.26	0.041	0.276	0.126	0.596
A011966_01		0.077	0.026	0.065	0.146	-0.204	-0.186	-0.104	-0.075
A011967_01		-0.496	NA	0.167	0.049	-0.221	-0.165	-0.126	-0.238
A011976_01		0.21	0.567	0.132	-0.027	0.797	0.399	0.757	0.572
A011977_01		0.058	-0.162	0.191	0.246	0.203	0.141	-0.112	0.037
A011978_01		-0.002	-0.297	-0.058	-0.125	-0.356	-0.505	-0.214	-0.295
A011985_01	NA	NA	0.275	0.166	-0.121	0.162	0.044	0.044	0.029
A011986_01		-0.211	-0.566	-0.239	-0.13	-0.621	-0.586	-0.49	-0.398
A011988_01		-0.673	-0.703	-0.526	-0.533	-0.746	-0.813	-0.716	-0.806
A011992_01		0.458	0.204	0.033	0.21	0.066	0.091	-0.013	0.275
A011995_01		-1.064	-0.374	-0.248	0.026	-0.675	-0.197	-0.179	0.13
A011996_01		-0.083	NA	0.286	0.272	-0.068	-0.036	0.29	0.237
A012001_01		0.297	0.326	-0.023	-0.13	0.25	0.715	0.321	0.237
A012008_01	NA		-0.423	-0.168	-0.253	-0.15	-0.182	-0.226	-0.172

A012009_01		0.587	0.417	0.334	0.029	0.39	-0.001	0.309	0.005
A012010_01		-0.198	0.108	-0.339	-0.134	-0.24	0.221	0.243	0.447
A012011_01		-0.02	-0.107	0.235	0.037	-0.177	-0.237	0.135	-0.134
A012012_01		-0.53 NA		0.024	0.039	0.103	0.25	0.014	-0.054
A012013_01	NA		NA	0.359	0.013 NA		NA	-0.493	-1.103
A012014_01		-0.5	-0.268	-0.278	-0.276	0.365	0.466	0.436	0.423
A012021_01		0.154	0.122	-0.237	-0.081	-0.439	-0.276	-0.341	-0.383
A012028_01		-1.068	-1.031	-2.347	-1.764	-1.675	-1.702	-1.785	-2.169
A012030_01		-0.072	0.166	-0.039	0.233	0.301	0.443	0.7	1.027
A012031_01	NA		NA	-0.611	-0.605 NA		NA	-0.024	-0.171
A012033_01		-0.212	-0.213	0.236	0.145	0.135	-0.316	0.139	-0.022
A012039_01		-1.297	-1.443	-0.685	-0.664	-1.171	-0.826	-0.452	-0.84
A012043_01		0.005 NA		-0.199	-0.213	-0.096 NA		-0.288	-0.42
A012046_01		0.527 NA		0.228	0.052 NA		NA	-0.035 NA	
A012049_01		-0.064	-0.015	0.057	0.072	1.302	1.181	1.153	1.417
A012050_01	NA		NA	-0.398	-0.319 NA		-0.124	-0.161	-0.317
A012060_01		-0.049	-0.021	-0.25	-0.225	-0.024	-0.193	-0.233	-0.355
A012066_01		-0.09	-0.061	0.301	0.304	0.265	0.23	0.144	0.213
A012068_01	NA		NA	0.198	0.163 NA		NA	NA	NA
A012069_01		-0.629	-0.578	-0.106	0.008	0.145	0.096	0.215	0.117
A012075_01		-0.301	-0.185	0.437	0.209	0.043	0.015	-0.224	-0.322
A012076_01		-0.112	-0.112	0.288	0.124	0.069	-0.062	0.015	-0.342
A012078_01		-0.104	0.068	0.151	0.053	0.43	0.352	0.394	0.218
A012079_01		-0.15	-0.192	0.227	0.147	0.338	0.108	0.325	0.222
A012080_01		-0.537	-0.953	-2.415	-2.154	-1.861	-1.88	-2.069 NA	
A012084_01		0.142	0.055	0.002	-0.082	0.377	0.173	0.27	0.201
A012085_01		0.075	0.143	0.172	0.082	0.604	0.105	0.385	0.288
A012086_01		0.101	0.099	0.138	0.054	0.174	0.192	0.342	0.171
A012088_01		0.339	0.175	-0.396	-0.263	0.141	0.066	-0.047	0.18
A012091_01		0.538	0.828	0.669	0.619	1.052	1.039	0.374	0.484
A012092_01		-0.117	-0.129	-0.148	0.004	-0.265	-0.296	-0.271	-0.108
A012093_01		0.276	-0.089	-0.708	-0.424	-0.424	-0.279	-0.414	-0.003
A012098_01		0.254	-0.039	-0.212	-0.233	0.273	0.025	0.314	0.226
A012104_01		0.07	0.228	0.361	0.336	0.472	0.627	0.716	0.804
A012108_01		-0.36	-0.051	-0.122	-0.232	-0.225	-0.076	-0.07	-0.243
A012113_01		0.599	0.644	-0.144	-0.055	0.265	0.794	0.648	0.924
A012115_01		-0.644	-0.726	-0.159	-0.03	-1.005	-0.884	-0.656	-0.731
A012116_01		0.845	0.438	0.068	0.08	1.222	0.696	1.189	0.989
A012117_01		0.618	0.482	-0.24	-0.298	-0.245	-0.138	-0.065	-0.163
A012119_01		0.511	0.719	-0.238	-0.241	1.039	1.158	1.137	1.294
A012120_01	NA		NA	-0.11	-0.091	0.044	0.125	0.041	0.128
A012123_01		-0.007	0.058	0.426	0.079	-0.386	-0.25	-0.014	-0.469
A012125_01	NA		NA	-0.02	-0.007 NA		NA	-0.518	-0.616
A012126_01		0.239	0.124	0.412	0.424	0.332	0.056	-0.093	0.017
A012127_01	NA		NA	0.098	0.285	0.18	0.325	-0.044	0.096
A012129_01		0.508	0.163	0.173	0.153	-0.137	-0.305	-0.125	-0.167
A012130_01		0.463	0.234	-0.21	-0.176	0.302	0.211	-0.008	0.093
A012131_01		-1.056	-0.95	-0.86	-0.67	-1.292	-1.036	-0.719	-0.705
A012132_01		0.461	-0.221	-0.099	-0.101	-0.091	-0.436	-0.23	-0.258
A012134_01		-0.405 NA		-0.014	0.061	0.288	0.269	0.281	0.139
A012141_01		-0.104	0.087	0.099	-0.129	-0.916	-0.359	-0.084	-0.285
A012144_01		-0.45 NA		-0.1	-0.141	0.356	0.336	0.539	0.422
A012145_01		-1.24	-0.373	-0.094	-0.009	-0.565	-0.323	-0.336	-0.239
A012149_01		0.154	0.126	0.211	0.186	-0.219	0.152	-0.207	-0.07
A012150_01		0.032	0.596	0.008	-0.109	-0.056	0.247	0.07	0.066
A012155_01		-0.692 NA		-0.038	-0.038	-0.206	-0.199	0.257	0.041
A012158_01	NA		NA	0.226	0.277	0.009 NA		-0.099	-0.009
A012159_01		-1.926	-2.063	-1.398	-1.062	-1.866	-1.309	-1.065	-1.077
A012163_01		1.249	0.843	-0.172 NA		0.82	0.726	0.725	0.84
A012167_01		0.083	-0.312	-0.178	-0.08	-0.411	-0.427	-0.296	-0.275
A012168_01		0.164	0.025	-0.315 NA		0.445	0.457	0.474	0.763
A012171_01		0.359	0.169	-0.172	0.007	0.401	0.14 NA		0.16
A012174_01		0.129	-0.13	0.03	0.077	0.06	-0.124	-0.151	-0.244
A012175_01		0.409	0.343	0.334	0.369	-0.483	-0.395	-0.337	-0.162
A012176_01		0.547	0.453	0.538	0.427	0.258	0.268	0.118	0.102
A012178_01		-0.97	-0.668	0.419	0.215	-0.241	-0.309	-0.078	0.098
A012184_01		0.902	0.459	-0.066	-0.023	0.413	0.456	0.407	0.544
A012185_01		-1.14	-0.96	-0.813	-0.717	-0.42	-0.396	-0.125	-0.285

A012186_01		0.744	0.645	-0.265	-0.258	0.483	0.482	0.593	0.662
A012193_01		0.764	0.475	0.322	0.219	0.281	0.129	0.2	0.169
A012200_01		0.471	0.078	0.001	-0.017	-0.355	-0.442	-0.356	-0.479
A012203_01		-0.564	-0.664	0.033	0.104	-0.662	-0.757	-0.797	-0.797
A012207_01		-0.782	-0.706	0.302	-0.251	-0.334	-0.258	0.454	-0.249
A012210_01		-0.673	-0.25	0.215	0.088	-0.209	-0.203	0.09	-0.089
A012213_01		-0.208	-0.453	-0.005	0.272	-0.761	-0.558	-0.373	-0.161
A012214_01		0.201	0.499	0.215	0.138	-0.684	0.235	0.274	0.026
A012215_01	NA		0.408	0.352	0.211	0.277	-0.108	-0.109	-0.203
A012218_01		-1.057	-0.838	-0.1	-0.013	-0.267	-0.23	-0.058	-0.058
A012219_01		0.52	0.334	-0.123	0.027	0.235	0.128 NA		0.2
A012221_01		-0.13	-0.08	0.063	0.017	-0.052	0.11	0.242	0.098
A012223_01	NA	NA		0.166	0.104 NA		NA	0.037 NA	
A012229_01	NA	NA		0.093	0.044	-0.516 NA		-0.411	-0.441
A012231_01	NA	NA		0.311	0.059	0.458	0.311	0.367	0.366
A012234_01		0.278	0.082	-0.275	-0.367	0.095	0.033	0.246	0.211
A012237_01		0.376	-0.084	0.042	0.122	-0.138 NA		-0.371	-0.366
A012239_01		0.544 NA		-0.358 NA	NA	NA	NA	NA	
A012247_01		-0.908	-0.52	-0.2	-0.193	-0.569	-0.246	-0.469	-0.403
A012251_01		0.084	-0.314	-1.089	-0.858	-0.578	-0.787	-0.596	-0.558
A012254_01		0.441	0.291	0.248	0.165	0.124	0.323	0.237	0.192
A012256_01		0.36	0.226	-0.011	0.143	1.018	1.146	1.157	1.322
A012257_01		1.086	1.148	0.461	0.332	0.287	0.102	0.321	0.246
A012259_01	NA		-1.902 NA	NA	NA		-2.057 NA	NA	
A012264_01		0.255	0.008	-0.179	-0.232 NA		-0.306 NA		-0.182
A012272_01		-0.199	-0.032	-0.387	-0.196	-0.213	0.124	0.205	0.405
A012275_01		0.124	0.348	0.345	0.288	0.897	0.842	0.614	0.597
A012276_01		-0.128	-0.144	0.03	-0.055	-0.042	0.197	0.029	0.014
A012277_01		-1.05 NA		0.242	0.011	-1.224	-0.876	-0.124	-0.166
A012283_01		1.026	0.82	0.175	0.136	0.258	0.34	0.247	0.437
A012291_01		0.03	0.048	0.065	-0.018	0.318	0.454	0.276	0.276
A012293_01		0.015	-0.259	-0.393	-0.319	-0.424	-0.351	-0.394	-0.114
A012294_01		0.361	0.209	-0.372	-0.126	0.186	0.22	0.142	0.379
A012295_01		0.044	-0.104	-0.027	-0.084	-0.115	-0.108	0.074	0.021
A012299_01		0.138	0.059	0.002	-0.076	0.404	0.136	0.119	-0.035
A012309_01		-1.329	-0.977	-0.807	-0.474	-1.178	-0.867	-0.638	-0.86
A012311_01		-0.765	-0.711	-0.878	-0.606	-0.729	-0.299	-0.24	-0.336
A012313_01		0.204	0.001	-0.131	-0.074	0.729	0.379	0.378	0.345
A012321_01	NA	NA		0.274	0.368 NA	NA		-0.487	-0.46
A012323_01	NA	NA		0.112	0.015	-0.175	-0.34	-0.287	-0.284
A012324_01		-1.497 NA		-1.467	-1.095	-1.473	-1.379	-1.413	-1.628
A012325_01		-1.425	-0.337	0.373	0.311	-0.132	0.421	0.344	0.369
A012326_01		0.258	0.264	-0.025	-0.029	0.26	0.179	0.173	0.221
A012331_01		-2.222	-2.77	-2.721	-1.934	-2.326	-1.924	-1.787	-1.987
A012332_01		0.189	-0.129 NA		0.284	-0.031	-0.06	0.125	0.146
A012334_01		-0.759	-0.765	0.315	0.088	-0.789	-0.532	-0.124	-0.564
A012336_01		-0.216	-0.462	-0.887	-0.648	-0.099	0.196	0.032	0.204
A012337_01		-0.037	-0.218	-0.092	0.025	-0.573 NA		-0.536	-0.432
A012340_01		0.318	0.205	-0.04	-0.215	0.13	-0.03	0.328	0.167
A012341_01		-0.09 NA		-0.132 NA		-0.453 NA	NA	NA	
A012351_01		-0.667	-0.768	0.01	-0.011	-0.175	-0.251	-0.03	-0.225
A012353_01		-0.373	-0.297	0.171	0.324	-0.152	-0.105	-0.067	-0.063
A012354_01		0.155	0.019	-0.104	-0.13	0.357	0.383	0.281	0.353
A012357_01		0.174	-0.033	-0.145	-0.098	0.005	-0.095	-0.143	0.017
A012360_01		0.362	0.483	0.103	0.07	0.181	0.183	0.098	0.067
A012364_01		0.21	0.167	-0.019	0.29	-0.445	-0.008	-0.379	0.146
A012366_01	NA	NA		0.194	0.286 NA	NA		-0.088 NA	
A012367_01		0.199	0.131	-0.182	-0.193	0.212	0.511	0.508	0.639
A012369_01	NA	NA		-0.39 NA	NA	NA		-0.594	-0.923
A012370_01		0.404	0.287	0.262	0.224	0.468	0.313	0.199	0.18
A012371_01		-0.891	-0.698	-0.378	-0.158	-1.538	-1.136	-0.504	-0.536
A012372_01		-1.502	-1.263	-1.097	-0.813	-0.82	-0.628	-0.626	-0.777
A012373_01		0.236	0.455	0.366	0.29	-0.546	-0.401	-0.344	-0.337
A012375_01		-0.166	0.115	0.196	0.258	0.525	0.425	0.299	0.328
A012377_01	NA	NA		0.194 NA	NA	NA	NA		0.302
A012379_01		-0.519	-0.132	0.401	0.223	0.468	0.097	-0.093	0.034
A012381_01		0.149	0.025	-0.073	0.01	0.006	-0.041	0.011	-0.094
A012382_01		-0.91 NA		-0.571	-0.435	-0.271	-0.373	-0.092	-0.216

A012385_01		0.137	0.2	0.207	0.222	0.073	0.185	0.067	-0.059
A012386_01		0.788	0.768	-0.275	-0.29	0.797	0.485	0.366	0.354
A012388_01		0.084	0.332	0.014	0.158	0.026	0.027	-0.108	0.045
A012390_01		0.552	0.31	0.024 NA		0.308	0.218	0.28 NA	
A012393_01		-0.355	-0.138	-0.26	-0.236	-0.065	-0.033	-0.13	-0.109
A012396_01		-1.088	-0.958	0.164	0.205	-0.306	-0.343	-0.065	-0.1
A012397_01		-1.297 NA		0.573	0.408	-0.337 NA		0.21	-0.005
A012398_01		0.55	0.613	0.336	0.26	0.525	0.724	0.514	0.526
A012400_01		-0.9	-0.415	0.087	0.013	0.196	0.315	-0.063	-0.059
A012402_01	NA		-0.262	0.055	0.012	0.049	0.015	0.178	0.03
A012404_01	NA		0.355	0.535	0.479 NA		-0.113	0.009	-0.205
A012407_01		0.15	0.218	0.032	-0.054	0.082	0.136	0.176	0.042
A012410_01	NA	NA		0.255	0.372 NA	NA		0.014	-0.006
A012415_01		1.305	1.061	1.167	0.969	0.991	0.862	0.548	0.578
A012421_01		-0.242	-0.075	0.345	0.454	0.675	0.585	0.131	0.297
A012422_01	NA		-1.188	-0.171	-0.065	-1.16	-0.846	-0.54	-0.369
A012423_01		-0.432 NA		0.268	0.292	0.077	-0.042	0.07	-0.131
A012425_01		-0.874	-0.363	0.81	0.396	-0.128	-0.327	-0.201	-0.432
A012428_01		0.36	0.102	-0.049	-0.182	-0.134	-0.211	-0.069	-0.044
A012429_01		-1.388 NA	NA	NA	NA		-2.023 NA	NA	
A012430_01		-0.613	-0.759	-0.036	-0.006	-1.418	-1.142	-0.895	-0.677
A012440_01		0.429 NA		0.49	0.308	0.522 NA		0.278	0.086
A012442_01		0.221	0.534	0.192	0.099	0.129	0.244	0.354	0.248
A012445_01		-0.26	0.062	-0.148	-0.009	0.091	0.187	-0.161	-0.241
A012449_01	NA	NA		-0.405	-0.313 NA	NA		-0.754	-0.737
A012451_01		0.071	0.081	0.043	-0.063	0.434	0.217	0.399	0.175
A012454_01		-0.482	-0.977	-0.94	-0.916	-0.979	-0.916	-0.571	-0.904
A012458_01		-0.396	-0.354	-1.166	-0.912	-0.448	0.208	0.068	0.467
A012460_01		0.109 NA		0.152	-0.107 NA	NA		-0.184	-0.501
A012464_01		-0.188	-0.015	-0.2	0.015	0.027	0.163	-0.105	0.108
A012466_01	NA	NA		0.426	0.313 NA	NA		-0.078	-0.197
A012467_01		0.68	0.721	0.586	0.426	0.635	0.39	0.095	0.095
A012468_01		0.732	0.563	-0.253	-0.314	0.72	0.621	0.471	0.458
A012469_01		0.459	0.377	-0.008 NA		0.443	0.283	0.166	0.239
A012473_01	NA	NA		0.04	0.017 NA	NA		-0.284	-0.287
A012479_01		-0.724	-0.856	-0.471	-0.473	-0.481 NA	NA		-0.719
A012482_01		0.281	0.161	-0.207	-0.164	0.214	0.105	-0.049	0.024
A012487_01		0.817	0.69	-0.206	-0.375	-0.03	-0.382	-0.446	-0.354
A012493_01		-0.106 NA		-0.835	-0.87	-0.484	-0.411	-0.558 NA	
A012499_01		-0.073	-0.15	-0.018	-0.097	0.031	-0.163	0.013	-0.168
A012501_01	NA		-0.005	-0.176	-0.157	-0.018	-0.168	-0.352	-0.425
A012502_01		0.18	0.179	0.222	0.227	0.082	0.054	0.149	0.23
A012504_01		0.433	0.264	0.176	0.081	0.545	0.159	0.365	0.227
A012513_01		0.141	0.064	0.549	0.458	0.408	0.453	0.194	0.164
A012518_01		0.283	0.115	0.238	0.28	0.843	0.488	0.51	0.449
A012526_01		-0.129	-0.128	-0.215	-0.213	-0.352 NA		-0.224	-0.326
A012527_01	NA	NA		0.276	0.113 NA	NA		-0.269	-0.527
A012532_01		-0.974	-0.661	0.232	0.229	-1.019	-0.747	-0.244	-0.368
A012533_01		-0.964	-0.505	0.149	0.144	0.099	-0.027	0.224	0.229
A012537_01		-0.392	-0.474	0.112	-0.001	0.209	0.045	0.281	0.167
A012543_01		0.828	0.68	-0.041 NA		0.42	0.507	0.701	0.974
A012557_01	NA		-0.541	0.356	0.291	0.224	0.303	0.2	0.243
A012562_01		0.945	0.355	-0.232	-0.096	0.545	0.461	0.071	0.209
A012563_01		0.169	0.442	-0.008	-0.092	0.167	0.319	0.108	0.252
A012565_01		0.368	0.113	-0.202	-0.274	0.135	0.126	0.036	0.29
A012566_01		0.009	0.113	-0.717	-0.601	-0.009	0.088	0.307	0.517
A012567_01		-0.546	-0.306	0.096	-0.001	-0.06	0.112	0.186	0.104
A012572_01		0.234	0.55	0.516	0.582	0.479	0.734	0.402	0.676
A012577_01		0.893	0.817	0.096 NA		0.871	0.658	0.626	0.837
A012578_01		-1.083	-1.209	-0.359	-0.094	-1.787	-1.538	-0.969	-0.751
A012579_01	NA		0.745	-0.036	0.068	1.111	0.746	0.034	0.152
A012580_01		0.506	0.114	-0.21	-0.162	-0.133	-0.077	-0.07	0.106
A012581_01		-1.442 NA		-1.312	-0.856	-1.451 NA	NA	NA	
A012585_01		-0.411	-0.51	-1.019	-0.837	-0.068	-0.198	0.452	0.246
A012587_01		0.268	0.264	-0.131	-0.042	0.055	-0.324	-0.326	-0.2
A012590_01		-1.337	-1.267	-0.995	-0.919	-1.158	-0.935	-0.838	-0.831
A012591_01		0.499	0.104	-0.458	-0.515 NA		-0.101	0.105	-0.116
A012594_01		0.577	0.307	0.031 NA		0.406	0.43	-0.028 NA	

A012595_01		0.138	0.232	0.256	0.277	0.79	0.66	0.646	0.707
A012597_01		0.04	0.29	-0.071	0.027	-0.212	0.196	0.186	0.403
A012604_01		0.086	-0.035	-0.184	-0.196	-0.02	-0.228	-0.173	-0.266
A012607_01		0.571	0.523	-0.167	-0.149	-0.241	-0.341	-0.411	-0.22
A012618_01		0.273	0.372	-0.029	-0.136	0.385	0.318	0.36	0.266
A012621_01		0.442	0.21	0.052	-0.098	0.8	0.378	0.488	0.422
A012623_01		-0.202	-0.023	-0.185	-0.167	-0.118	0.159	0.182	0.299
A012625_01		-0.452	-0.238	-0.105	0.02	-0.176	-0.053	-0.168	-0.18
A012626_01		0.907	0.454	0.296	-0.012	1.089	0.744	0.492	0.496
A012627_01		0.081	0.056	0.129	-0.066	0.334	0.05	0.179	0.034
A012628_01		1.38	1.266	0.714	0.642	0.621	0.469	0.431	0.374
A012631_01		0.887	NA	0.328	0.333	NA	0.284	0.006	NA
A012633_01	NA		-0.963	-0.604	-0.519	NA	-0.773	-0.529	-0.488
A012637_01		0.094	0.337	-0.492	-0.411	0.087	0.157	0.068	0.12
A012640_01		-0.729	NA	-0.326	NA	-0.662	NA	NA	NA
A012641_01		-0.49	-0.478	-0.214	-0.175	-0.634	-0.828	-0.38	-0.271
A012646_01		-0.051	0.274	-0.714	-0.491	0.031	0.331	-0.081	0.083
A012647_01	NA		NA	-0.963	-1.012	NA	NA	-0.783	-0.847
A012648_01		0.612	0.485	0.123	0.225	0.342	0.444	0.355	0.367
A012649_01		0.331	0.242	-0.276	-0.29	0.235	0.096	NA	-0.445
A012650_01		-0.305	-0.523	-0.105	-0.08	-0.19	-0.277	-0.339	-0.422
A012651_01		0.307	0.396	0.293	0.267	0.251	0.368	0.472	0.523
A012653_01		-0.2	-0.339	0.084	-0.038	-0.101	-0.23	0.068	-0.14
A012654_01		-1.047	-1.728	-0.888	-0.713	-1.485	-1.614	-0.873	-0.998
A012655_01		0.149	0.31	0.392	0.282	-0.271	-0.016	-0.319	-0.378
A012657_01		0.442	0.234	-0.154	-0.221	0.584	0.427	0.528	0.483
A012660_01		0.437	NA	-0.126	NA	NA	NA	NA	NA
A012664_01		0.099	0.402	0.101	0.052	0.141	0.436	0.114	0.08
A012665_01	NA		NA	0.41	0.085	NA	NA	0.393	0.201
A012672_01		-0.213	0.514	-0.123	0.043	-0.151	0.588	0.475	0.647
A012678_01		-0.04	0.316	0.671	0.626	1.212	0.953	0.805	0.821
A012680_01	NA		NA	-0.017	-0.017	NA	NA	-0.355	-0.196
A012685_01		0.362	0.416	0.165	0.11	0.652	0.504	0.309	0.313
A012694_01		-0.936	-0.149	0.437	0.397	0.056	0.232	-0.121	0.023
A012695_01		-0.202	-0.07	-0.137	-0.092	0.582	0.346	0.233	0.152
A012696_01		0	-0.395	-0.125	-0.167	-0.226	-0.261	-0.131	-0.157
A012697_01		0.241	0.136	0.276	0.286	0.38	0.338	0.171	0.312
A012700_01		-0.87	-1.203	-1.114	-0.917	-1.464	-1.631	-0.713	-0.69
A012704_01		-0.465	NA	0.449	0.225	0.028	NA	-0.047	-0.136
A012705_01	NA		NA	0.529	0.155	NA	NA	0.111	-0.214
A012706_01		0.28	0.098	0.03	-0.051	0.14	-0.098	0.038	-0.152
A012707_01		0.052	-0.107	0.74	0.427	0.247	0.091	-0.126	-0.319
A012710_01		-0.314	-0.162	-0.255	-0.203	-0.147	NA	-0.372	-0.055
A012712_01	NA		NA	0.425	0.29	NA	NA	-0.028	-0.168
A012714_01		0.31	0.194	-0.114	-0.189	0.107	0.036	0.132	-0.084
A012715_01	NA		NA	0.18	NA	NA	NA	NA	NA
A012722_01		0.624	0.358	0.398	0.257	0.733	0.35	0.211	0.005
A012723_01		-0.072	0.379	-0.106	-0.176	-0.528	-0.044	0.022	0.04
A012724_01		0.695	0.52	-0.175	NA	0.807	0.55	0.51	0.467
A012726_01		-0.072	-0.184	-0.05	-0.089	-0.042	-0.257	-0.166	-0.357
A012728_01		-0.283	-0.485	0.217	0.048	0.129	0.082	-0.045	-0.094
A012730_01		-1.064	-0.751	-0.131	-0.101	-0.853	NA	-0.425	-0.439
A012732_01		-0.245	0.03	0.009	0.195	0.945	1.209	0.86	1.151
A012738_01		-0.013	-0.014	0.244	0.139	0.121	0.17	0.401	0.372
A012739_01		-1.917	-1.68	-0.15	-0.12	-0.635	-0.457	0.242	0.34
A012741_01		0.598	0.568	-0.088	-0.079	0.37	0.349	0.41	0.399
A012745_01		-0.446	-0.153	0.163	0.102	0.295	0.154	0.231	0.245
A012747_01		-2.231	-1.514	0.395	0.159	-1.757	-0.929	0.143	0.039
A012748_01		-2.69	-3.16	-2.731	-2.434	-2.63	-2.289	-1.394	-1.726
A012749_01		0.249	0.59	0.545	0.623	0.713	0.589	0.124	0.191
A012752_01		-0.265	-0.609	-0.32	-0.198	-1.047	-1.254	-0.752	-0.846
A012754_01		-1.691	-0.64	0.2	0.349	0.178	0.518	0.429	0.73
A012758_01		-0.445	-0.309	0.212	0.103	0.2	0.117	0.062	0.079
A012760_01		-0.255	-0.209	-0.378	-0.138	0.034	0.153	-0.201	-0.01
A012762_01		0.497	NA	-0.255	NA	0.306	NA	NA	NA
A012767_01	NA		-0.09	-0.07	0.018	0.078	0.173	-0.178	0.026
A012768_01		0.248	0.33	-0.044	-0.003	0.258	0.227	0.038	0.059
A012769_01		-0.426	-0.396	-1.098	-0.84	-0.706	-0.555	-0.473	-0.298

A012770_01	NA	NA		0.084	-0.08	0.307	NA		-0.011	-0.198
A012771_01		-0.102	0.007	0.095	0.192	0.287		0.338	0.164	0.181
A012772_01		-0.427	-0.226	-0.245	-0.13	-0.412		-0.336	-0.507	-0.322
A012773_01		-1.27	-1.293	-0.689	-0.565	-1.566		-1.173	-1.273	-1.423
A012776_01		0.451	0.008	-1.099	-1.107	-0.209		-0.406	-0.321	-0.337
A012778_01		0.92	0.81	-0.334	-0.271	-0.344		-0.264	-0.088	-0.101
A012781_01		0.068	0.279	0.137	0.038	0.45		0.384	0.24	0.129
A012787_01		-0.631	-0.168	-0.323	-0.21	-0.15		-0.189	0.245	0.204
A012788_01		-0.938	-0.771	0.59	0.216	-0.375		-0.45	-0.269	-0.584
A012791_01	NA	NA		0.541	0.297	NA		NA	-0.012	-0.129
A012796_01	NA	NA		-1.539	-1.281	NA		NA	-1.211	-1.434
A012797_01		0.211	0.323	0.72	0.712	1.003		0.831	0.32	0.245
A012800_01		-0.016	-0.094	0.128	0.118	0.13		0.207	0.287	0.295
A012807_01		-0.586	-0.268	-0.112	-0.112	-0.34		-0.238	-0.109	-0.217
A012810_01		0.777	0.79	0.143	0.32	0.678		0.796	0.438	0.557
A012811_01		0.67	0.664	0.284	0.155	0.503		0.37	0.582	0.569
A012812_01		-0.586	-0.747	-0.06	0.16	0.012		0.132	0.606	0.788
A012813_01		-2.124	-2.077	-1.321	-1.092	-2.277	NA		-1.681	-1.764
A012816_01	NA	NA		-0.205	NA	NA		NA	NA	NA
A012817_01		0.013	-0.076	0.277	0.114	0.258		0.093	0.359	0.222
A012818_01		-1.154	-0.828	-0.096	-0.016	-1.009		-0.872	-0.629	-0.545
A012822_01		-0.225	-0.323	0.283	0.148	-0.067		-0.221	0.016	-0.22
A012823_01	NA	NA		0.443	0.195	-0.006	NA		0.04	-0.226
A012826_01		0.025	0.161	-0.549	-0.387	-0.273		0.204	0.045	0.437
A012828_01		-0.515	-0.064	-0.311	-0.145	-0.803		-0.132	-0.101	0.011
A012829_01		-0.206	-0.307	0.007	0.07	-0.12		-0.09	-0.054	-0.026
A012830_01	NA		-0.955	0.307	0.266	-0.197	NA		0.12	0.103
A012832_01		-1.918	-0.831	-0.53	-0.359	0.055		0.104	0.502	0.505
A012834_01	NA	NA		-0.069	-0.096	NA		NA	-0.705	-0.745
A012835_01		0.325	0.192	0.345	0.45	0.191		0.439	0.213	0.546
A012837_01	NA	NA		-0.242	-0.386	NA		NA	-0.15	-0.233
A012838_01		-0.825	-0.562	0.736	0.638	0.117		0.035	-0.341	-0.279
A012839_01		-0.498	-0.306	-0.085	-0.097	1.545		1.257	1.368	1.291
A012841_01	NA	NA		0.532	0.25	NA		NA	-0.322	-0.703
A012844_01		-1.719	-1.429	-0.741	-0.531	-1.583		-1.007	-1.023	-0.953
A012846_01	NA	NA		0.201	0.153	0.363		0.413	0.158	0.183
A012847_01		0.014	0.38	-0.047	0.067	0.34		0.476	0.066	0.191
A012849_01		-0.944	NA	0.189	0.062	-0.124		-0.046	0.089	-0.083
A012854_01		0.56	0.369	0.06	0.068	0.129		0.099	-0.013	0.004
A012858_01		1.031	0.522	0.174	0.33	NA		NA		-0.13
A012860_01		0.008	0.408	0.154	0.344	0.054		0.731	0.279	0.556
A012862_01		0.325	-0.175	-0.357	-0.211	-0.532		-0.902	-0.414	-0.412
A012865_01		0.002	0.363	0.345	0.368	0.814		1.45	0.935	1.209
A012872_01		1.556	1.429	0.337	0.262	1.099		1.182	1.069	1.414
A012878_01		-0.096	-0.076	-0.093	NA	0.145	NA		NA	NA
A012880_01		-0.91	-1.235	-1.813	-1.485	-1.341		-1.335	-1.289	-1.259
A012881_01		0.215	0.171	-0.577	-0.39	-0.163		0.05	-0.143	0.181
A012883_01		-1.461	-1.386	-0.272	-0.24	-1.143		-0.883	-0.331	-0.363
A012885_01		0.515	0.075	0.207	0.242	-0.038		-0.112	0.025	0.111
A012887_01		0.531	0.051	-0.02	0.159	-0.421		-0.401	-0.538	-0.279
A012888_01		0.763	0.473	0.532	0.299	0.777		0.36	0.746	0.538
A012889_01	NA	NA		-3.321	-2.447	NA		NA	-1.785	-2.236
A012890_01		0.837	0.837	0.001	0.107	0.602		0.836	0.539	0.984
A012893_01		1.512	1.42	-1.208	-1.156	0.363		0.222	1.493	1.469
A012895_01		-0.939	-0.625	0.457	0.351	0.224		0.24	0.224	0.149
A012896_01		-0.859	-0.72	-0.418	-0.237	-0.256		-0.254	-0.292	-0.258
A012897_01		1.061	0.84	0.358	0.455	0.447		0.389	-0.212	0.087
A012899_01		-0.376	-0.75	-0.357	-0.286	-0.571		-0.569	-0.667	-0.57
A012907_01	NA	NA		-0.168	-0.102	NA		NA	NA	-0.593
A012913_01		-0.377	-0.093	0.114	0.233	-0.219		-0.034	-0.063	0.06
A012917_01	NA	NA		-0.021	0.117	-0.369	NA		-0.002	0.178
A012919_01		-1.116	-0.426	0.165	0.213	0.286		0.32	0.217	0.405
A012921_01		-0.149	0.297	0.381	0.249	0.675		0.211	0.282	0.148
A012930_01	NA		-0.231	0.474	0.097	0.339		0.155	0.323	-0.119
A012932_01	NA	NA		0.238	0.042	NA		NA	-0.123	-0.08
A012934_01		0.148	0.484	0.027	0.163	0.303		0.681	0.588	0.722
A012936_01		0.83	0.326	-0.151	NA	0.225		0.176	0.304	0.233
A012937_01		-0.215	-0.125	0.082	-0.066	0.255		0.055	0.274	0.191

A012940_01		1.335	1.168	-0.029	0.179	0.509	0.524	0.446	0.758
A012944_01	NA	NA		-0.166	-0.119	0.481	0.847	0.595	0.813
A012946_01	NA	NA		0.239	0.221 NA	NA		-0.025	-0.057
A012951_01		-0.199	0.035	0.397	0.329	0.658	0.484	0.563	0.499
A012958_01		0.09	-0.046	-0.086	-0.158	0.019	-0.048	-0.263	-0.181
A012959_01		-0.677	-0.037	0.334	0.327	0.393	0.444	0.201	0.331
A012960_01		0.762	0.52	-0.31	-0.157	0.023	-0.193	-0.252	-0.063
A012964_01		0.128	0.115	-0.275	-0.107	0.237	0.184	0.079	0.288
A012966_01		1.276	1.167	0.171	0.24	0.872	0.671	0.594	0.788
A012972_01	NA	NA		-0.532	-0.434	0.692	0.455	0.253	0.23
A012977_01		0.238	0.073	-0.112	0.064	-0.201	-0.273	-0.119	-0.088
A012978_01		0.893	0.714	-0.707	-0.547	-0.971	-0.907	-0.814	-0.619
A012982_01		-0.446	-0.386	-0.994 NA		-0.085	0.168	-0.203	0.229
A012986_01		0.804	0.643	0.706	0.364	1.033	0.841	0.937	0.778
A012989_01		-0.374	-0.041	0.199	0.184	0.148	0.19	0.178	0.208
A012995_01	NA	NA		0.452	0.241 NA	NA		-0.116	-0.313
A013000_01		-1.105	-0.265	0.549	0.595	0.367	0.804	0.566	0.748
A013003_01	NA	NA		-1.55 NA	NA	NA	NA	NA	NA
A013004_01		1.103	0.588	-0.126	0.057	0.886	0.716	0.368	0.641
A013011_01		0.7	0.414	0.006	-0.137	0.425	0.409	0.396	0.303
A013012_01		0.416	0.566	-0.286	-0.123	0.517	0.578	0.105	0.279
A013018_01		-0.302	-0.067	0.181	0.222 NA		-0.213	-0.098	-0.099
A013019_01		0.032	0.091	-0.178	-0.174	0.186	0.349	0.235	0.19
A013022_01		0.238	0.062	-0.262	-0.161	0.049	-0.057	-0.01	-0.056
A013026_01		-0.352	-0.006	-0.137	-0.124	-0.223	0.02	-0.267	-0.304
A013029_01		0.193	0.134	-0.043	0.262	-0.554	-0.123	-0.442	0.086
A013032_01		0.141	0.13	-0.172	-0.145	0.266	0.42	0.539	0.678
A013034_01	NA	NA		-0.405 NA	NA	NA	NA		-0.847
A013035_01		0.535	0.346	0.263	0.189	0.483	0.29	0.193	0.147
A013036_01		-0.602	-0.601	-0.345	-0.035	-1.327	-1.073	-0.525	-0.592
A013038_01		0.407 NA		-0.314 NA		-0.168	0.18	0.243	0.599
A013040_01		-0.302	0.144	0.158	0.153	0.321	0.253	0.264	0.229
A013044_01		-0.561	-0.237	0.335	0.31	0.268	0.091	-0.139	-0.257
A013046_01		0.017	0.117	-0.134	-0.115	-0.008	0.011	0.065	-0.085
A013047_01	NA		-1.243	-0.454	-0.381	-0.433	-0.616	-0.168	-0.226
A013050_01		-0.293	-0.114	0.22	0.312	0.406	0.398	0.111	0.12
A013051_01		0.704	0.682	-0.421	-0.229	0.654	0.403	0.304	0.385
A013053_01		-0.057	0.177	0.039	0.15	-0.13	-0.013	-0.092	-0.008
A013055_01		0.649	0.379	-0.1 NA		0.279	0.35	0.327	0.357
A013058_01		-0.189	-0.165	-0.227	-0.101	-0.203	0.013	-0.145	-0.119
A013062_01	NA	NA		0.112 NA		-0.454 NA	NA		0.347
A013063_01		0.707	0.577	0.174	0.197	0.456	0.694	0.424	0.677
A013065_01		-0.941	-0.45	0.08	0.015	0.11	0.254	-0.03	-0.09
A013067_01	NA	NA		-0.095	-0.063 NA	NA	NA		0.002
A013073_01		-1.135	-0.909	0.081	0.161	-0.278	-0.35	-0.112	-0.03
A013074_01		-1.34 NA		0.547	0.315	-0.424 NA		0.201	0.103
A013075_01	NA	NA		0.257	0.3 NA	NA		0.057 NA	
A013086_01		-0.035	0.007	0.26	0.178	0.085	0.071	0.032	-0.198
A013087_01	NA		-1.021	-0.22	-0.093	-1.143	-0.823	-0.579	-0.411
A013088_01		-0.376 NA		0.307	0.255	0.089	0.021	0.105	-0.08
A013090_01		-0.871	-0.269	0.765	0.488	-0.131	-0.172	-0.215	-0.471
A013093_01		0.514	0.193	-0.173	-0.207	-0.103	-0.246	-0.151	-0.109
A013095_01		-0.489	-0.522	-0.043	0.119	-1.393	-1.035	-0.851	-0.684
A013098_01		0.186	0.364	0.2	0.336	-0.698	-0.488	-0.503	-0.518
A013105_01		0.433 NA		0.515	0.228	0.362 NA		0.306	0.054
A013107_01		0.159	0.309	0.26	0.085	0.048	0.123	0.311	0.312
A013109_01		0.103	0.286	0.016	0.085	-0.055	0.032	0.044	-0.019
A013111_01		-0.114	0.023	-0.09	-0.063	-0.035	0.219	0.207	0.254
A013112_01		-0.023	0.213	0.057	0.102	0.025	0.309	0.328	0.541
A013118_01		0.052	0.044	0.393	0.329	0.021	0.003	0.011	-0.175
A013119_01		-2.389	-2.2	-0.949	-0.678	-1.59	-1.134	-0.97	-0.962
A013129_01		-1.841	-1.368	-0.079	-0.095	-0.559	-0.466	0.046	-0.022
A013130_01		0.406 NA		-0.082 NA	NA	NA		-0.004	0.02
A013142_01		0.532	0.479	0.011	0.137	0.952	0.952	0.722	0.848
A013143_01		-1.102	-0.874	0.181	0.138	-0.413	-0.341	-0.144	-0.117
A013154_01		-0.194	-0.524	0.105	-0.049	-0.209	-0.302	-0.079	-0.318
A013156_01	NA		-0.51	-0.258	-0.309	-0.247	-0.661	-0.34	-0.517
A013164_01		-0.758	-0.575	-0.506	-0.273	-0.751	-0.612	-0.465	-0.475

A013188_01		-1.076	-1.331	-3.301	-3.016	-1.653	NA		-2.429	-2.376
A013192_01		-0.114	-0.347	-0.409	-0.466	0.159		0.076	0.435	0.39
A013196_01		-0.039	-0.126	-0.157	-0.113	-0.439		-0.359	-0.395	-0.168
A013212_01		0.216	0.443	0.321	0.261	1.078		0.934	0.708	0.679
A013215_01	NA			-0.206	-0.098	NA		NA	-0.386	-0.372
A013219_01		0.776	0.401	0.094	0.076	0.108		0.071	-0.016	0.233
A013223_01		-0.2	-0.591	0.142	0.095	0.079		-0.009	-0.177	-0.05
A013227_01		0.557	0.265	0.154	0.209	0.086		-0.075	-0.054	0.014
A013238_01		1.362	1.405	-1.906	-1.398	0.112		-0.1	1.53	1.407
A013240_01		-0.331	-0.107	-0.027	0.276	0.102		0.329	-0.221	0.064
A013244_01		0.507	0.251	0.009	-0.031	0.006		-0.045	-0.013	0.018
A013246_01		-0.25	-1.179	-0.913	NA	-0.696		-1.296	-0.568	NA
A013249_01		0.49	0.366	0.344		0.386		0.275	0.323	0.231
A013260_01		0.224	0.417	0.136	0.283	0.733		0.387	0.054	0.122
A013266_01		-0.242	0.115	0.109	0.167	0.202		0.168	0.179	0.166
A013268_01		0.452	0.337	-0.136	-0.02	0.243		0.246	0.075	0.152
A013270_01		-0.512	-0.398	0.288	0.261	0.452		0.21	0.213	0.212
A013277_01		-0.393	-0.194	0.365	0.33	-0.231		-0.066	-0.119	-0.081
A013278_01		0.399	0.126	0.205	0.284	0.58	NA		0.166	0.358
A013281_01	NA			0.16	0.035	NA		NA	-0.344	-0.244
A013282_01		-1.327	-0.52	0.01	-0.026	-0.138		-0.372	-0.093	-0.238
A013287_01		-0.575	-0.159	0.48	0.425	-0.259		-0.267	-0.026	0.018
A013299_01		-0.749	-0.617	-0.868	-0.662	-0.448		-0.541	-0.34	-0.412
A013356_01		0.711	0.492	-0.327	-0.206	0.143		0.141	0.07	0.218
A013397_01		-0.475	-0.2	-0.859	-0.54	-0.81		-0.383	0.037	0.265
A013402_01	NA			0.321	0.247	NA		NA	0.035	-0.178
A013406_01	NA			0.144	0.068	NA		NA	NA	NA
A013408_01		0.371	0.285	0.178	0.151	0.553		0.436	0.168	0.357
A013412_01		-0.287	-0.517	-0.092	0.023	-0.471		-0.63	-0.37	-0.621
A013413_01	NA			0.441	0.159	0.738		0.352	0.384	0.314
A013414_01		-0.325	-0.512	0.12	0.032	-0.208		-0.354	-0.398	-0.436
A013416_01		-0.752	-0.759	-0.676	-0.591	-0.755		-0.608	-0.29	-0.457
A013417_01		-2.818	-2.71	-0.421	-0.177	-2.412		-1.64	-1.095	-1.115
A013419_01		-0.605	-0.507	-0.121	-0.08	-0.445		-0.262	-0.246	-0.236
A013420_01	NA			0.38	0.232	0.804		0.671	0.659	0.688
A013421_01		-0.333	-0.262	0.302	0.329	-0.079		-0.099	-0.079	0.078
A013423_01		0.774	0.43	0.19	0.086	0.434		0.226	0.195	0.129
A013428_01		-0.357	-0.016	0.048	0.002	0.41		0.095	0.48	0.424
A013429_01	NA			-0.137	-0.102	-0.652		-0.708	-0.767	-0.858
A013435_01		0.018	0.136	-0.3	-0.249	0.587		0.521	0.291	0.209
A013440_01	NA			0.089	-0.04	NA		-0.066	-0.115	-0.394
A013447_01		1.066	0.744	0.277	0.034	0.856		0.477	0.458	0.367
A013461_01		1.015	0.516	0.055	-0.067	0.434		0.28	0.28	0.417
A013462_01	NA			0.276	0.251	NA		NA	0.129	0.213
A013463_01		0.581	0.358	0.24	0.209	0.427		0.446	0.308	0.362
A013467_01		0.665	0.476	-0.087	-0.097	0.891		0.61	0.585	0.547
A013468_01	NA			0.424	0.401	0.545		0.678	0.191	0.325
A013469_01		0.187	0.029	-0.121	-0.013	0.12		0.085	0.299	0.344
A013470_01		0.604	0.505	0.545	0.489	0.514		0.609	0.459	0.459
A013475_01		0.596	0.176	-0.098	-0.342	0.677		0.308	0.382	0.057
A013477_01	NA			0.106	0.103	NA		NA	NA	-0.418
A013479_01		-0.098	NA	-0.006	0.065	0.225	NA		0.105	0.201
A013487_01		-0.227	NA	0.297	0.238	0.448		0.584	0.28	0.475
A013488_01		-0.986	NA	-0.392	-0.458	-0.868		-0.961	-0.419	-0.767
A013490_01		-0.193	-0.185	-0.194	-0.335	0.451		0.064	0.533	0.219
A013498_01	NA			0.315	0.154	NA		-0.033	-0.106	-0.259
A013503_01		0.459	0.284	-0.021	0.081	0.279		0.269	0.051	0.086
A013510_01		-0.05	0.053	0.237	0.205	0.726		0.528	0.753	0.627
A013518_01		-0.915	-0.321	-0.569	-0.447	-0.428		-0.381	-0.462	-0.569
A013519_01		0.008	0.041	-1.777	-1.412	-0.747		-0.596	-0.468	0.071
A013520_01	NA			0.055	0.081	NA		NA	0.046	-0.074
A013522_01		-0.173	-0.233	-0.001	0.13	-0.62		-0.504	-0.351	-0.207
A013534_01		0.237	0.086	0.113	0.14	0.21		0.161	0.049	0.059
A013535_01		0.631	1.165	-0.373	-0.121	0.938		1.414	0.691	1.229
A013537_01		-1.115	-0.477	-0.005	0.074	-0.734		-0.224	-0.567	-0.677
A013547_01		0.011	-0.125	0.312	0.142	-0.394		-0.576	-0.128	-0.479
A013548_01	NA			-0.278	NA	NA		NA	NA	-0.22
A013554_01		-1.693	-1.771	-3.205	-2.645	-1.82		-1.636	-1.632	-1.696

A013555_01	NA	NA	NA	NA		-1.7	NA		-1.299	-1.579
A013559_01		0.365	0.585	0.745	0.403	1.186		0.638	0.332	0.199
A013560_01		-0.096	0.225	0.352	0.24	0.276		0.231	0.199	0.195
A013561_01		-0.714	NA	-0.798	NA	-1.103	NA	NA	NA	
A013562_01	NA	NA		0.124	NA		NA		-0.643	NA
A013564_01		0.505	-0.056	-0.469	-0.614	-0.043		-0.332	-0.177	-0.391
A013571_01		0.641	0.385	0.098	-0.076	0.356		0.105	0.362	-0.032
A013572_01		0.13	-0.057	-0.465	-0.39	-0.016		-0.024	-0.093	-0.174
A013574_01		0.011	0.233	-0.015	0.051	0.045		0.063	0.084	0.073
A013577_01		0.263	0.245	-0.004	0.077	0.024		0.077	-0.172	0.001
A013579_01		-0.382	-0.262	0.14	0.202	-0.07		-0.129	-0.022	-0.138
A013586_01		0.815	NA	0.332	0.356	0.655		0.548	0.312	0.37
A013590_01		0.37	0.007	0.082	NA	0.084		-0.178	NA	NA
A013591_01		0.449	0.096	0.25	-0.065	0.066		-0.391	0.019	NA
A013604_01		0.799	0.544	0.314	-0.022	0.528		0.32	0.365	0.55
A013605_01		0.699	0.61	0.072	0.124	0.348		0.312	0.207	0.202
A013606_01		-0.629	-0.581	-0.534	-0.34	-1.283		-1.171	-0.676	-0.631
A013614_01		-0.114	-0.323	-0.772	-0.875	-0.151		-0.507	-0.304	-0.492
A013616_01		-0.518	-0.438	0.336	0.258	-0.049		-0.033	0.151	0.061
A013617_01		-0.512	NA	0.096	0.097	-0.53		-0.828	-0.648	-0.63
A013618_01		0.072	-0.666	-0.559	-0.776	-0.805		-1.406	NA	NA
A013619_01		-0.3	0.001	0.334	0.297	0.363		0.116	-0.017	-0.079
A013622_01		-0.609	-0.293	0.109	0.136	-0.309		-0.301	-0.015	-0.169
A013625_01		-0.454	-0.572	-0.514	-0.595	-0.45		-0.643	-0.365	-0.634
A013627_01		0.359	0.407	0.312	0.276	0.79		0.701	0.826	0.984
A013628_01		0.137	0.061	0	-0.002	0.154		0.05	0.035	-0.014
A013632_01		0.034	0.187	0.089	NA	0.508		0.361	0.598	0.452
A013633_01		0.297	-0.185	-0.571	-0.536	-0.579		-1.01	-0.588	-0.72
A013634_01		0.287	0.18	0.41	0.258	0.497		0.367	0.354	0.294
A013637_01	NA	NA	NA		-0.43	NA		-0.528	NA	NA
A013640_01		-0.495	NA	0.151	0.285	-0.25		-0.299	-0.389	-0.235
A013643_01		-0.663	-0.755	0.576	0.384	-0.168		-0.291	-0.122	-0.274
A013644_01		-0.985	-0.441	0.071	0.079	0.125		0.147	-0.213	-0.02
A013646_01		-0.616	-0.274	-0.337	-0.258	-0.176		-0.066	-0.435	-0.309
A013647_01		-0.575	NA	-0.31	-0.339	0.117		0.056	0.526	0.435
A013651_01	NA	NA		0.095	0.015	NA		NA	NA	0.058
A013657_01		0.762	0.692	0.582	0.394	0.875		0.829	0.723	0.484
A013658_01		-1.027	-0.966	0.086	0.069	-0.496		-0.74	-0.448	-0.571
A013659_01		-0.856	-0.957	0.05	0.016	-0.453		-0.595	-0.372	-0.63
A013660_01		-0.854	-0.986	0.312	0.017	0.019		-0.004	0.114	-0.046
A013661_01		-0.43	-0.086	-0.297	-0.114	-0.371		0.16	0.334	0.389
A013662_01		-0.231	-0.498	-0.125	-0.294	0.159		0.014	0.493	0.319
A013663_01	NA	NA		0.631	0.344	0.814		0.578	0.615	0.209
A013664_01		-0.003	0.153	0.168	0.051	0.585		0.375	0.772	0.489
A013667_01	NA	NA		-0.775	-0.768	NA		NA	NA	NA
A013668_01		0.588	0.544	0.159	0.185	-0.041		0.2	0.105	0.32
A013669_01		-0.993	-0.67	-0.573	-0.436	-0.953		-0.834	-0.856	-0.67
A013671_01	NA	NA		0.554	0.272	NA		NA	0.338	0.083
A013674_01		-0.222	-0.246	0.248	0.15	-0.251		NA	-0.149	-0.351
A013675_01	NA	NA		0.116	0.022	NA		NA	-0.214	-0.264
A013676_01		-1.357	-1.217	-1.228	-1.096	-1.855		-1.571	-1.872	-1.964
A013680_01		-0.429	0.104	0.255	0.251	-0.177		-0.08	0.094	-0.026
A013681_01		0.334	0.384	-0.308	-0.144	-0.292		-0.186	-0.256	-0.125
A013682_01	NA	NA		0.81	0.641	NA		NA	0.199	0.164
A013684_01		0.449	NA	-0.078	NA	NA		NA	NA	NA
A013685_01		-0.013	NA		NA	-0.115		NA	NA	NA
A013689_01		-0.39	-0.155	0.217	0.011	-0.034		-0.029	0.163	0.1
A013691_01		-1.317	NA	-2.577	-2.113	-1.221		-1.306	-1.49	-1.457
A013692_01		-1.487	-0.618	-0.426	-0.335	-0.256		-0.072	0.269	0.461
A013695_01		0.314	0.29	0.311	0.309	0.438		0.451	0.108	0.185
A013697_01		-1.183	-0.422	0.695	0.742	0.322		0.476	0.363	0.49
A013699_01		-1.37	-1.096	-0.167	-0.023	-1.33		-0.951	-0.685	-0.632
A013700_01	NA	NA		0.382	0.131	NA		NA	0.424	0.243
A013705_01		0.021	0.049	-0.833	-0.818	-0.489		-0.562	-0.276	-0.331
A013707_01		0.103	-0.012	-0.298	-0.555	-0.017		-0.333	-0.09	-0.447
A013710_01		-0.772	-0.402	0.313	0.067	0.212		0.08	0.208	0.06
A013711_01		-0.876	-1.479	NA	NA	NA		-1.654	NA	NA
A013714_01		-0.024	-0.063	0.036	-0.05	-0.105		0.557	0.545	0.822

A013715_01	-0.066	0.03	0.05	0.25	0.561	0.314	0.148	0.105
A013717_01	-0.293	0.132	0.658	0.418	0.113	0.657	0.629	0.69
A013719_01	0.149	0.562	0.128	0.102	0.223	0.948	0.819	1.017
A013720_01	0.525	0.281	0.489	0.211	-0.054 NA		-0.158	-0.28
A013721_01	-0.477 NA		0.709	0.535	0.704	0.833	0.714	0.589
A013723_01	0.052	0.218	0.329	0.216	0.818	0.588	0.423	0.387
A013724_01	0.093	0.326	0.167	0.008	-0.051	0.128	0.275	0.154
A013727_01	NA	-0.468	0.26	0.297	-0.342 NA		-0.314	-0.143
A013728_01	-0.261	0.004	0.082	0.058	0.28	0.75	-0.004	0.179
A013731_01	NA	NA	0.165	0.112 NA		0.064 NA		-0.01
A013732_01	-0.115	0.138	-0.2	-0.146	1.046	0.802	1.364	1.129
A013733_01	-1.07	-1.091	-0.811	-0.78	-0.499	-0.825	-0.601	-0.657
A013735_01	0.503	0.244	-0.191	-0.151	0.241	0.16	0.381	0.449
A013736_01	0.391	0.491	-0.11	-0.098	-0.875	-0.11	0.015	0.106
A013739_01	0.365	0.365	0.298	0.171	0.532 NA	NA		0.133
A013744_01	0.031	0.744	-0.028	0.119	0.031	0.743	0.511	0.822
A013746_01	NA	NA	0.271	0.054	0.17 NA		-0.001	-0.267
A013747_01	-0.243	-0.172	-0.765 NA		-0.511	-0.497	-0.19	-0.111
A013749_01	0.519	0.063	0.025	-0.058	-0.258	-0.462	-0.503	-0.498
A013751_01	0.461	0.528	0.441	0.278	0.223 NA		0.014	-0.045
A013755_01	-0.483	-0.293	-0.017	-0.007	-0.742	-0.464	-0.298	-0.33
A013756_01	-0.087 NA		0.239	0.225	-0.025 NA	NA		0.099
A013758_01	0.071	0.316	0.204	0.136	0.021	0.408	0.281	0.275
A013764_01	-0.23	-0.05	-0.194	-0.011	-0.754	-0.312	-0.226	0.122
A013765_01	0.044	-0.204	0.134	0.131	0.056	0.027	-0.149	-0.1
A013770_01	0.015	0.316	-0.509	-0.286	0.394	0.479	0.263	0.48
A013773_01	-0.898	-0.428	0.367	0.278	-0.138	0.156	0.268	0.189
A013774_01	-0.429	-0.626	-1.025	-0.912	-0.917	-1.06	-0.56	-0.617
A013775_01	NA	NA	-0.323	-0.121 NA	NA		-0.869	-0.764
A013778_01	0.846	0.495	-0.001	-0.048	0.125	0.158	0.269	0.372
A013780_01	-0.133	0.043	0.837	0.715	0.455	0.586	0.418	0.329
A013782_01	0.345	-0.032	0.251	0.075	0.427	0.243	0.28	0.103
A013785_01	NA	-0.341	0.234	0.008	0.059	-0.347	-0.26	-0.23
A013787_01	-0.609	-0.194	0.037	0.018	-0.108	0.036	-0.008	0.075
A013795_01	NA	NA	0.444	0.259	0.559	0.365	0.529	0.33
A013796_01	0.193	0.417	0.238	0.107	0.539	0.565	0.324	0.25
A013799_01	0.662	0.691	0.488	0.332	0.297	0.506	0.068	0.159
A013801_01	0.286	0.287	-0.119	-0.164	0.504	0.466	0.426	0.396
A013805_01	-0.056	-0.107	0.386	0.224	0.715	0.62	0.316	0.33
A013806_01	-0.288	-0.146	-0.011	-0.094	-0.167	-0.25	-0.114	-0.146
A013807_01	0.194	0.023	-0.164	-0.231	-0.065	-0.2	-0.147	-0.099
A013810_01	NA	-0.075	-0.039	-0.137 NA	NA	NA		-0.111
A013829_01	NA	0.076	0.186	0.052 NA		0.151	0.088	0.09
A013831_01	-0.129	-0.568 NA	NA		-0.457	-0.66 NA		-1.39
A013832_01	-1.558	-1.028	0.033	0.051	-0.826	-0.838	-0.148	-0.211
A013833_01	0.418	0.381	0.468	0.524	0.384	0.436	0.1	0.246
A013835_01	-0.329	-0.396	0.6	0.393	-0.59	-0.425	-0.135	-0.251
A013847_01	NA	NA	0.312	0.166 NA	NA		-0.094	-0.219
A013856_01	-0.934	-1.38 NA	NA		-1.617	-1.569 NA	NA	
A013857_01	-0.306	-0.264	0.149	0.068	-0.113	-0.065	0.046	-0.087
A013863_01	-0.043	-0.117	0.035	-0.087	-0.448	-0.466	-0.348	-0.518
A013872_01	-1.342	-1.619	-1.716	-1.41	-1.223	-1.087	-0.866	-1.39
A013875_01	0.213	0.138	0.276	0.19	0.854	0.685	0.826	0.843
A013876_01	0.36	0.15	-0.056	0.18	-0.177	0.009	-0.304	-0.082
A013879_01	0.25	0.146	0.287	0.294	0.243	0.339	-0.128	0.089
A013880_01	-1.597	-1.587	0.557	0.327	-0.447	-0.419	0.139	0.077
A013884_01	-0.377	-0.26	0.028	-0.036	0.026	-0.028	-0.054	-0.151
A013887_01	NA	NA	0.042	0.024 NA	NA		0.087	0.065
A013889_01	-0.798	-0.628	0.324	0.125	0.384	0.123	0.426	0.216
A013896_01	NA	NA	0.335	-0.13	0.523	0.316	0.483	0.371
A013898_01	-0.492	0.246	-0.31	-0.205	0.228	0.322	0.328	0.494
A013901_01	NA	NA	0.124	0.044 NA	NA		0.038	-0.072
A013903_01	-1.405	-1.613	-1.262	-0.953	-1.194	-1.288	-1.097	-1.105
A013904_01	0.484	0.452	-0.256	-0.202	-0.112 NA		-0.294	-0.347
A013911_01	-0.851 NA	NA	NA	NA	NA	NA	NA	
A013912_01	-0.622	-0.409	0.124	0.016	-0.244	-0.2	-0.141	-0.248
A013914_01	0.487	0.277	0.092	-0.034	0.36	0.31	0.301	0.248
A013931_01	-0.645	-0.455	-0.057	-0.145	-0.161	-0.228	-0.295	-0.32

A013932_01	-0.835	-0.215	0.163	0.088	0.168	0	0.116	-0.041
A013942_01	-0.879	-1.078	-0.103	-0.057	-0.467	-0.46	-0.656	-0.78
A013944_01	-0.856	-0.339	0.026	0.02	0.121	0.29	0.12	0.119
A013945_01	0.147	0.27	0.393	0.072	0.313	0.143	0.197	-0.128
A013948_01	0.388	0.3	0.005	0.016	-0.034	0.139	-0.004	0.212
A013950_01	-0.838	-0.69	0.227	0.191	-0.046	-0.124	-0.135	-0.08
A013951_01	0.016	0.127	0.131	0.085	0.301	0.337	0.252	0.148
A013956_01	-0.084	-0.022	-0.159	-0.078	0.541	0.411	0.37	0.329
A013960_01	-0.232	0.269	0.038	0.004	0.03	0.338	0.279	0.129
A013971_01	-1.013	-0.309	-0.162	-0.113	-0.029	0.227	0.509	0.527
A013973_01	-0.294	-0.315	-0.287	-0.346	-0.348	-0.334	-0.181	-0.54
A013974_01	-1.012	-0.851	0.027	0.101	-0.215	-0.226	-0.19	-0.115
A013975_01	-1.284	-0.816	-0.178	-0.182	-0.35	-0.269	-0.347	-0.193
A013980_01	0.49	0.322	0.467	0.323	0.353	0.082	0.379	0.189
A013987_01	-0.221	-0.058	0.259	0.237	0.182	0.209	0.084	0.061
A013989_01	-1.085	-1.222	-0.79	-0.63	-1.091	-0.964	-0.939	-0.908
A013994_01	0.456	0.365	0.009	-0.042	0.205	0.208	0.309	0.273
A013995_01	NA	NA	-0.199	-0.136	-0.86	-0.838	-0.715	-0.824
A013998_01	-0.301	-0.44	-0.086	-0.012	-0.473	-0.579	-0.415	-0.42
A014000_01	-1.326	-0.836	0.087	-0.103	-0.14	NA	0.269	0.244
A014010_01	-1.554	-0.551	-0.491	-0.333	-0.111	0.034	0.52	0.415
A014014_01	-0.757	NA	0.351	0.349	0.306	0.276	0.197	0.097
A014015_01	NA	NA	0.323	0.06	NA	NA	0.265	0.012
A014016_01	0.979	NA	NA	NA	NA	NA	NA	NA
A014017_01	0.307	0.566	0.478	0.342	1.617	0.923	1.055	0.922
A014019_01	NA	NA	0.34	NA	NA	NA	-0.163	NA
A014020_01	-0.632	-0.28	0.057	0.012	-0.226	-0.259	-0.053	-0.104
A014021_01	NA	NA	0.683	0.508	1.54	1.242	0.92	0.947
A014024_01	-0.49	-0.26	-0.412	-0.333	-0.216	-0.099	-0.309	-0.061
A014025_01	-1.07	-0.47	0.056	-0.094	0.177	-0.107	0.157	0.049
A014026_01	-1.274	-0.336	0.609	0.556	-0.418	-0.289	-0.056	-0.431
A014027_01	0.799	0.428	0.256	0.001	0.379	0.268	0.057	NA
A014031_01	0.1	0.22	0.497	0.403	0.321	0.189	0.371	0.229
A014036_01	0.364	0.219	-0.021	0.017	-0.087	0.035	-0.221	-0.049
A014038_01	-1.269	-0.92	0.175	0.229	-0.591	-0.417	-0.405	-0.456
A014040_01	-2.093	-2.373	NA	NA	-3.173	-2.794	NA	NA
A014043_01	NA	-0.025	-0.047	-0.221	NA	NA	-0.389	-0.766
A014046_01	0.007	-0.054	0.681	0.435	0.748	0.356	0.282	0.167
A014056_01	0.064	0.269	0.493	0.329	0.147	0.303	0.284	0.229
A014062_01	-0.027	0.07	0.076	0.045	0.015	0.036	0.003	-0.075
A014064_01	0.957	0.572	0.233	-0.039	0.524	0.225	NA	0.26
A014066_01	-0.1	0.206	-0.03	-0.049	0.128	0.302	-0.348	-0.279
A014067_01	0.138	0.116	0.37	0.246	0.138	-0.049	0.063	-0.135
A014068_01	NA	NA	-1.347	-1.158	NA	NA	-1.14	-1.841
A014069_01	0.719	-0.006	-0.428	-0.431	0.171	0.123	-0.196	-0.068
A014072_01	0.126	0.428	0.084	0.1	-0.129	0.349	0.194	0.318
A014075_01	-0.18	-0.366	-0.768	-0.723	-0.861	-0.941	-0.421	-0.56
A014083_01	NA	NA	0.314	0.323	NA	NA	-0.275	-0.112
A014084_01	-1.372	-0.817	0.126	0.18	-0.214	0.093	0.215	0.426
A014085_01	0.217	NA	-0.066	NA	NA	NA	NA	NA
A014086_01	-0.34	NA	-0.193	-0.444	-0.161	-0.328	-0.101	-0.407
A014088_01	-0.199	-0.075	0.172	-0.02	0.021	0.064	-0.086	-0.102
A014089_01	NA	-0.888	0.21	0.135	-0.062	NA	0.134	-0.014
A014095_01	0.212	0.143	-0.244	-0.363	-0.258	-0.276	NA	0.054
A014097_01	-0.289	-0.249	0.077	0.185	1.231	1.194	0.749	0.944
A014098_01	-0.35	-0.221	-0.033	-0.06	0.016	0.024	-0.09	-0.199
A014109_01	-0.775	-0.688	0.287	0.224	-0.53	-0.418	-0.056	-0.136
A014112_01	NA	NA	0.037	-0.261	NA	NA	NA	-0.034
A014113_01	-0.03	0.062	0.169	-0.047	0.141	-0.072	-0.068	-0.164
A014115_01	-1.347	-1.797	0.222	0.054	-1.283	-0.965	-0.873	-1.182
A014117_01	NA	NA	0.355	0.069	NA	NA	0.023	-0.258
A014119_01	0.065	0.243	-0.095	-0.198	-0.087	0.094	0.114	0.003
A014121_01	-0.193	0.089	-1.327	-1.122	-0.426	-0.229	-0.413	-0.322
A014124_01	-0.288	-0.119	0.624	0.411	0.326	0.204	-0.062	-0.195
A014126_01	0.022	0.076	0.366	0.216	0.123	0.165	-0.003	-0.255
A014130_01	0.745	0.451	-0.249	-0.2	0.956	0.657	0.681	0.732
A014131_01	1.009	1.057	-0.039	0.025	0.871	1.055	0.816	1.005
A014132_01	NA	NA	0.596	0.262	0.556	NA	0.167	-0.009

A014136_01	-0.372	-0.416	0.152	0.029	-0.57	-0.726	-0.569	-0.626
A014137_01	-0.413	-0.201	0.584	0.338	0.123 NA		0.339	0.158
A014139_01	-0.658	-0.681	0.021	-0.006	-0.502	-0.715	-0.511	-0.605
A014140_01	0.51 NA		0.519	0.278	0.181	-0.083	0.073	-0.22
A014141_01	0.786 NA		0.1	0.045	-0.028 NA		0.062 NA	
A014144_01	-0.613	-0.436	0.198	0.139	-0.145	-0.207	-0.075	-0.191
A014146_01	0.478	0.039	-0.398	-0.353	-0.343	-0.172	-0.237	-0.081
A014147_01	NA	NA	0.385	0.159 NA	NA		-0.105	-0.161
A014155_01	-0.551	-0.673	0.025 NA		0.24	0.209	0.61	0.308
A014161_01	-0.864	-0.558	0.245	0.128	0.095	0.125	0.175	0.059
A014163_01	NA	NA	0.376	0.184 NA	NA	NA	NA	
A014165_01	-0.173	0.02	-0.239	-0.366	0.432	0.397	0.613	0.467
A014167_01	NA	NA	0.334	0.243 NA	NA		0.166 NA	
A014168_01	0.767	0.817	0.02	0.044	0.314	0.425	0.541	0.458
A014169_01	-0.654	-0.72	-0.841	-0.703	-1.096	-0.998	-0.419	-0.327
A014174_01	NA	NA	0.023	-0.092	0.012 NA		-0.293	-0.389
A014176_01	0.407	0.299	0.404	0.279	0.32	0.183	0.187	0.013
A014177_01	0.237	0.174	-0.271	-0.24	-0.028	-0.043	-0.022	-0.158
A014178_01	NA	NA	0.14	0.064	-0.132 NA		-0.128	-0.17
A014179_01	-0.95	-0.516	-0.19	-0.06	0.062	-0.243	0.405	0.244
A014180_01	NA	NA	0.914	0.593	0.827	0.404	0.433	0.235
A014182_01	-0.759	-0.586	-0.569	-0.592	-0.339	-0.312	-0.459	-0.619
A014185_01	0.549	0.059	-0.079	-0.059	-0.097	-0.276	-0.051	-0.024
A014186_01	-1.225	-0.965	0.148	0.101	-0.549	-0.473	-0.402	-0.566
A014188_01	0.913	0.541	0.377	0.099	0.494	0.334 NA	NA	
A014189_01	0.479	0.333	0.311	0.282	0.494	0.215	-0.116	-0.261
A014192_01	-0.573	-0.522	-0.032	0.03	-0.205	-0.34	-0.173	-0.146
A014194_01	0.51	0.389	0.064	-0.009	0.47	0.283	0.346	0.231
A014201_01	0.096	0.181	-0.112	-0.008	0.335	0.482	0.212	0.273
A014202_01	0.336	0.144	0.053	-0.037	-0.154	-0.319	-0.224	-0.162
A014203_01	0.197	-0.097	-0.911 NA		-0.38	-0.669 NA	NA	
A014204_01	-0.499	-0.295	0.227	0.204	-0.032	-0.132	-0.09	-0.187
A014205_01	0.169	0.131	-0.337	-0.335	-0.637 NA		-0.588	-0.688
A014208_01	0.054	-0.012	0.086	-0.336	-0.224	-0.434 NA	NA	
A014209_01	-0.499 NA		-0.288 NA		-0.196 NA		-0.304 NA	
A014210_01	0.649	0.596	-0.509 NA		0.754	0.602	0.642	0.619
A014213_01	-0.813	-0.822	-0.886	-0.526	-1.283	-0.793	-0.73	-0.42
A014224_01	0.326	0.496	-0.005	0.061	0.457	0.904	0.207	0.425
A014229_01	-1.803	-1.15	0.462	0.433	-0.336	-0.299	-0.249	-0.273
A014233_01	0.246	0.535	-0.307	-0.177	0.797	0.787	0.451	0.655
A014239_01	-0.271	0.064	0.044	0.073	0.022	0.018	0.106	0.151
A014245_01	-0.007	0.103	-0.002	-0.114	0.215	-0.072	0.181	0.107
A014247_01	-0.566	-1.239 NA	NA		-1.216	-1.454	0.155 NA	
A014248_01	0.525	0.106	-0.195	-0.229	-0.01	0.001	0.031	-0.286
A014249_01	0.201	0.323	0.013	0.178	-0.295	0.02	-0.154	0.085
A014250_01	0.137	0.14	0.105	-0.061	0.533	0.349	0.553	0.314
A014253_01	-0.727	-0.387	0.532	0.553	-0.194	-0.108	-0.078	-0.009
A014256_01	-2.417	-1.633	-0.434	-0.286	-1.214	-1.04	-0.773	-0.809
A014257_01	0.332	0.347	0.229	-0.062	0.29	0.182	0.237 NA	
A014264_01	-0.594	-0.118	-0.027	-0.094	0.029	-0.113	0.262	-0.015
A014270_01	0.628	0.379	-0.238	-0.29	0.46	0.174	0.361	0.413
A014274_01	0.696	0.852	0.291	0.323	0.023	0.1	0.225	0.327
A014275_01	-2.398	-3.351 NA	NA		-3.403	-3.019 NA	NA	
A014276_01	-1.201	-0.48	0.237	0.19	0.476	0.545	0.26	0.138
A014278_01	-0.827	-1.019	0.024	0.057	-0.149	-0.213	-0.257	-0.236
A014286_01	-0.085	-0.334	-0.483	-0.649	-0.513	-0.415	-0.004	0.009
A014293_01	NA	NA	-0.192	-0.265 NA	NA		-0.027	-0.407
A014295_01	NA	NA	0.108	0.049	0.71	0.547	0.062	0.025
A014304_01	0.243	0.732	0.274	0.183	0.223	0.19	-0.338	-0.413
A014305_01	-0.789	-0.164	0.156	0.188	-0.007	0.267	0.004	0.121
A014307_01	-0.292	-0.513	-0.105	-0.15	-0.159	-0.287	-0.05	-0.323
A014310_01	-1.263	-1.044	-1.984	-1.885	-1.274	-1.419	-1.068	-1.163
A014313_01	-0.512	-0.227	0.314	0.279	-0.158	-0.098	-0.049	0.021
A014317_01	-0.101	-0.228	-0.016	-0.11	-0.074	-0.155	0.191	0.021
A014319_01	0.389	0.519	0.013	0.013	0.338	0.45	0.149	0.272
A014323_01	0.252	0.048	-0.432 NA		0.112	0.049	0.308	0.295
A014325_01	0.843	0.453	-0.161	-0.446	0.34 NA	NA		0.21
A014331_01	-0.356 NA		0.24	0.078	0.258 NA	NA		-0.129

A014339_01		0.176	-0.101	-0.371	-0.354	-0.014	-0.153	-0.048	0.05
A014344_01		0.253	0.309	0.225	0.22	-0.074	0.11	-0.068	-0.031
A014441_01	NA	NA		0.495	0.324 NA	NA		-0.062	-0.25
A014442_01		0.64	0.152	-0.515	-0.33 NA		0.016	-0.283	-0.212
A014443_01		-0.548	-0.261	0.135	0.129	-0.088	-0.17	0.085	-0.096
A014448_01	NA	NA		0.198	0.137 NA	NA		0.122	0.051
A014449_01		-0.349	-0.031	-0.104	0.007	-0.267	0.31	0.24	0.279
A014455_01		-1.362	-1.634	-0.177	-0.294	-1.255	-1.142	-0.131	-0.443
A014457_01	NA	NA		0.449	0.391	0.312 NA		0.042	-0.015
A014459_01	NA	NA		0.132	0.118	-0.446 NA		-0.061	-0.218
A014462_01		-0.212	-0.053	0.16	-0.056	0.286	0.25	0.193	0.021
A014463_01		0.167	0.181	0.131	0.129	0.606	0.637	0.308	0.428
A014464_01		-2.224	-2.699	-4.602	-3.279	-2.833	-2.137	-2.408	-2.889
A014468_01		-0.118	0.213	0.223	0.101	0.309	0.251	0.479	0.471
A014469_01		0.716	0.605	-0.516	-0.397	0.769	0.661	0.947	0.866
A014472_01	NA	NA		0.143	0.138	0.081	-0.054	-0.156	-0.253
A014473_01		0.321	0.297	0.184	0.192	-0.058	0.086	0.182	0.234
A014474_01		0.505	0.401	-0.186	-0.139	0.573	0.494	0.302	0.478
A014486_01		0.368	0.062	-0.23	-0.329	0.116	0.008	0.082	0.199
A014493_01		-1.085	0.372	-0.023	-0.013	-0.304	0.469	0.165	0.204
A014495_01		-0.571	-0.433	0.021	-0.009	-0.426	-0.461	-0.064	-0.355
A014497_01		0.327	0.338	-0.199	-0.096	0.29	0.22	0.027	0.036
A014501_01		-0.197	0.192	-0.189	0.034	0.539	0.445	0.016	0.282
A014502_01		0.296	0.348	0.283	0.188	0.498	0.591	0.348	0.414
A014503_01	NA	NA		0.305	0.308 NA	NA		-0.4	-0.409
A014509_01		-0.608	-0.267 NA	NA		0.023	0.132 NA		0.018
A014510_01		0.295	0.306	0.136	0.297	0.187	0.457	0.385	0.71
A014514_01	NA	NA		0.116	-0.075 NA		-0.161	-0.103	-0.416
A014516_01		-0.936	-0.96	0.494	0.135	-0.373	-0.439	-0.313	-0.455
A014519_01		-0.597	-0.442	0.084	0.002	0.312	0.382	0.414	0.22
A014520_01		1.075	0.719 NA	NA		0.832	0.947 NA		0.67
A014522_01		-0.837	-0.114	0.188	0.295	0.009	0.367	0.45	0.536
A014526_01		-2.25	-2.328	-0.487	-0.414	-1.446	-0.749	-0.44	-0.717
A014529_01	NA	NA		0.258	0.074 NA	NA		-0.098	-0.257
A014531_01		0.071	-0.166	-0.556	-0.245	-0.45	-0.282	-0.347	-0.167
A014532_01	NA	NA		0.213	0.228 NA		0.42	0.27	0.28
A014537_01		-0.508	-0.412	0.193	0.182	-0.21	-0.282	-0.226	-0.339
A014539_01		0.353	0.321	0.529	0.35	0.048	-0.105	0.329	0.164
A014543_01		0.787	0.495	-0.069	0.053	0.191	0.044	0.115	0.244
A014544_01		0.891	0.655	0.029	0.026	0.526	0.657	0.647	0.788
A014548_01		-0.416 NA		-0.131	-0.24	0.302	0.107	0.293	0.179
A014550_01		0.446	0.208	-0.001	-0.037	0.403	0.304	0.281	0.186
A014556_01		0.701	0.264	-0.185 NA	NA	NA	NA	NA	NA
A014560_01	NA	NA		-0.543	-0.751 NA	NA	NA	-0.243	-0.52
A014570_01		-0.825	-0.535	-0.54	-0.452	-0.432	-0.25	0.013	0.069
A014571_01		0.843	0.952	0.276	0.231	0.366	0.451	0.198	0.337
A014574_01		-0.529	-0.501	0.227	0.228	-0.23	-0.089	0.036	0.139
A014576_01		-0.964	-0.455	0.002	-0.022	0.068	-0.091	0.018	0.036
A014577_01		-1.197	-1.378	-1.281	-1.207	-1.327	-1.29	-1.085	-1.067
A014580_01		-0.257	-0.245	-0.058	-0.096	-0.19	-0.124	0.082	-0.098
A014581_01		0.232	0.597	-0.21	0.018	0.865	1.202	0.843	1.048
A014587_01		0.538	0.535	0.038	0.192	0.29	0.61	0.234	0.496
A014590_01	NA		0.192	0.248	0.306	0.306	0.389	0.319	0.208
A014594_01		0.204	0.237	-0.247	-0.199	-0.077	0.421	0.238	0.41
A014596_01		-1.054	-0.626	-0.09	0.02	-0.749	-0.516	-0.185	-0.227
A014597_01		-1.259	-0.82	0.228	0.022	-0.39	-0.38	-0.016	-0.175
A014600_01	NA	NA		-0.229	-0.21	-0.862	-1.051	-0.552 NA	
A014601_01		-0.853 NA		0.782	0.63	0.278	0.193	0.162	-0.076
A014611_01		0.816	0.827	-0.097	-0.047	0.843	1.035	0.993	0.989
A014612_01		-0.007	0.368	0.055	0.11	0.308	0.532	0.282	0.271
A014615_01		-0.591	-0.74	-0.825	-0.558	-1.199	-0.983	-0.71	-0.606
A014621_01		-0.608 NA	NA	NA		-0.61 NA		0.062 NA	
A014622_01		0.46	0.313	0.572	0.247	0.332	0.13	0.219	-0.118
A014628_01		-0.382	-0.22	-0.192	-0.193	-0.054	0.055	-0.028	-0.127
A014629_01	NA	NA		-0.227	-0.272	0.314	-0.09	0.559	0.329
A014632_01		-1.143	-0.9	-0.529	-0.17	-1.472	-0.827	-0.562	-0.215
A014633_01		0.63	0.092	-0.423	-0.277	0.108	-0.275	-0.107	-0.182
A014634_01		-0.329	-0.49	-0.824	-0.805	-0.637	-0.769	-0.47	-0.682

A014636_01	-0.278	-0.179	-0.03	-0.013	0.224	0.247	0.301	0.349
A014637_01	-0.927	-0.689	-0.125	-0.16	0.243	0.122	0.131	0.062
A014639_01	0.348	-0.024	0.19	-0.074	0.055	0.04	-0.005	-0.12
A014643_01	-0.686	-0.93	-0.705	-0.672	-0.562	-0.383	0.281	0.181
A014644_01	-0.436	-0.358	0.097	-0.064	-0.381	-0.265	-0.192	-0.293
A014646_01	-0.558	-0.051	0.489	0.394	0.274	0.358	0.043	0.025
A014650_01	-0.639	-0.333	0.359	0.218	-0.305	-0.321	-0.024	-0.072
A014654_01	0.41	0.315	0.249	0.082	0.316	0.338	0.341	0.249
A014655_01	-0.406	-0.625	-0.466	-0.52	-0.55	-0.655	-0.626	-0.894
A014660_01	1.03	0.555	0.18 NA		0.284	0.195	0.446 NA	
A014661_01	0.853	0.717	-0.628	-0.508	0.464	0.277	0.206	0.004
A014662_01	0.248	0.129	0.023	-0.089	-0.09	-0.135	-0.121	-0.196
A014667_01	0.739	0.563	0.246	0.222	0.487	0.591	0.259	0.429
A014669_01	-0.106	0.164	-0.219	-0.233	-0.268	-0.194	-0.068	0.016
A014675_01	-0.745	-0.687	0.115	0.082	-0.448	-0.561	-0.346	-0.49
A014676_01	-0.587	-0.848	0.326	0.092	-0.722	-0.659	0.032	-0.221
A014677_01	NA	NA	-0.025 NA		-0.689 NA	NA	NA	
A014682_01	-0.416	0.052	0.514	0.507	0.21	0.501	0.133	0.188
A014684_01	-0.581	-0.826	-0.458	-0.552	0.114	0.13	0.632	0.491
A014685_01	NA	NA	0.008	0.144 NA	NA		-0.405	-0.541
A014688_01	-2.207	-2.13	-0.398	-0.258	-1.917	-1.338	-0.649	-0.614
A014699_01	-0.691	-0.73	0.188	0.064	0.089	0.165	0.346	0.208
A014701_01	-0.418	0.103	0.155	0.246	-0.648 NA		-0.267	-0.487
A014702_01	0.347	0.566	-0.161	-0.078	0.78	0.821	0.301	0.287
A014704_01	-1.99	-1.285	-0.02	0.155	-1.187	-1.061	-1.092	-1.02
A014705_01	-0.428	0.415	0.656	0.478	1.152	1.126	0.69	0.824
A014706_01	-0.132	-0.42	-0.327	-0.498	-0.359	-0.595	-0.184	-0.458
A014707_01	-0.432	-0.402	0.121	0.135	-0.619	-0.566	-0.248	-0.312
A014708_01	0.259	0.017	0.039	-0.09	0.254	-0.003	0.407	0.162
A014709_01	0.723	0.423	0.292	0.228	0.077	0.086	0.534	0.329
A014716_01	-0.62	-0.232	-0.521	-0.26	-0.846	-0.468	-0.425	-0.095
A014717_01	0.638	0.356	0.025	0.053	0.297	0.415	0.25	0.303
A014720_01	0.365	0.444	-0.642	-0.581	0.947	0.682	0.9	0.92
A014721_01	-0.673	-0.517	-0.47	-0.421	-0.777	-0.709	-0.533	-0.744
A014722_01	-0.824	-0.309	0.361	0.286	-0.038	-0.059	-0.092	-0.156
A014723_01	0.229	0.288	0.302	0.023	0.255	0.218	0.165	-0.195
A014724_01	1.174	0.745	-0.469 NA		0.516	0.485	0.162	0.322
A014725_01	-1.191	-0.762	-0.151	-0.186	-1.014	-0.625	-0.065	-0.316
A014726_01	1.094	-0.471	-0.152 NA		0.61	0.135	0.591	0.654
A014728_01	0.388	0.071	0.191	0.001	-0.186	-0.176	0.014	-0.074
A014730_01	0.271	0.177	0.1	-0.152	0.081	-0.048	0.199	-0.181
A014732_01	0.564	0.038	0.026	0.023	0.039	-0.4	-0.126	-0.293
A014733_01	-0.792	-0.127	0.116	0.146	0.162	0.112	-0.069	-0.056
A014738_01	-0.608	-0.158	-0.324	-0.266	0.006	0.076	-0.085	-0.016
A014742_01	-0.473	-0.482	0.302	0.335	-0.395	-0.541	-0.456	-0.53
A014743_01	-1.791	-0.944	-0.143	-0.117	0.009	0.187	0.308	0.432
A014745_01	-0.561	-0.288	0.288	0.344	0.202	0.312	0.228	0.366
A014746_01	0.77	0.847	-0.33	-0.245	0.315	0.798	0.475	0.905
A014750_01	-1.163	-1.334	-2.676	-2.414	-1.632	-1.184	-1.404	-1.613
A014751_01	NA	NA	0.176	0.112 NA	NA		-0.257	-0.364
A014752_01	NA	NA	-0.044	-0.125 NA	NA		-0.096	-0.234
A014754_01	-0.513	-0.3	0.174	0.141	-0.328	-0.377	-0.137	-0.21
A014755_01	-0.226	-0.152	0.354	0.3	-0.097	0.113	0.167	0.192
A014758_01	-1.03	-0.515	0.123	0.007	-0.756	0.056	-0.046	-0.213
A014759_01	1.109	1.086	-0.088	-0.095	0.647	0.802	0.63	0.953
A014760_01	-0.962 NA		0.52	0.336	-0.302	-0.434	-0.096	-0.227
A014761_01	-0.039	0.011	0.393	0.207	0.407	0.476	0.158	0.286
A014762_01	-0.215	-0.41	-0.026	-0.108	-0.324	-0.442	-0.265	-0.482
A014763_01	-0.773	-0.069	0.025	0.092	-0.646	-0.047	0.282	0.157
A014765_01	-0.06	0.129	0.403	0.254	0.154	0.213	0.323	0.269
A014767_01	-1.51	-0.999	0.104	-0.033	-0.518	-0.361	0.275	0.128
A014769_01	0.039	0.02	-0.076	-0.07	0.258	0.452	0.711	0.66
A014771_01	-1.151	-1.203	-0.427	-0.568	-0.849	-0.76	-0.208	-0.548
A014774_01	0.85	0.432	0.176	0.154	0.197	0.034	-0.028	0.114
A014777_01	-0.223	0.031	0.01	-0.062	-0.388	-0.165	-0.018	-0.036
A014780_01	0.516	0.249	-0.312	-0.219	0.073	-0.098	-0.014	0.162
A014783_01	-1.107	-0.836	0.502	0.26	0.128	-0.024	0.085	-0.069
A014785_01	-0.466 NA		0.289	0.248	-0.308	-0.469	-0.459	-0.44

A014789_01	-0.408	0.001	-1.394	-1.242	-1.551	-0.349	-0.618	-0.594
A014793_01	-1.281	-0.229	-0.006	-0.132	-0.141	-0.215	0.031	-0.086
A014794_01	0.27	-0.222	0.145	-0.11	0.179	-0.103	-0.048	-0.356
A014798_01	-0.284 NA		0.179	0.211	0.089 NA		0.095	-0.119
A014799_01	-1.989 NA	NA	NA	NA		-2.207 NA	NA	
A014800_01	-0.519	-0.221	0.095	-0.022	0.26	0.127	0.087	0.024
A014801_01	-0.976	-0.873	-0.771	-0.693	-0.749	-0.665	-0.331	-0.363
A014802_01	NA	-0.003	-0.44 NA	NA	NA	NA		-0.212
A014805_01	NA	NA	0.099	0.184 NA	NA		-0.077	-0.061
A014806_01	-0.868	-0.562	0.26	-0.106	-0.08	-0.275	0.212	-0.206
A014811_01	-0.49	-0.244	0.188	0.249	0.309	0.279	0.447	0.416
A014819_01	0.117	0.092	0.3	0.154	0.016	-0.057	0.048	-0.082
A014821_01	-0.507	-0.246	0.027	-0.008	-0.175	0.035	-0.156	-0.104
A014825_01	NA	NA	-0.392	-0.547 NA	NA	NA		-0.827
A014832_01	-0.197	0.084	0.103	0.089	-0.059	0.028	-0.029	-0.017
A014833_01	NA	NA	0.346	0.097 NA	NA		0.309	0.287
A014835_01	0.356	0.234	0.272	0.146	0.356	0.206	0.241	0.21
A014838_01	-0.097 NA		-0.012	-0.066	-0.298	-0.408	0.081 NA	
A014842_01	0.629	0.708	0.057	0.261	0.32	0.356	0.135	0.342
A014848_01	NA	NA	0.095	-0.043 NA	NA		-0.001	-0.137
A014850_01	0.261	-0.03	-0.024	-0.173	-0.01	-0.041	0.291	0.232
A014851_01	NA	NA	-0.476	-0.682 NA	NA		-0.93 NA	
A014855_01	-0.196	-0.521	-0.513	-0.549	0.363	0.405	0.354	0.23
A014858_01	0.51	0.458	0.37	0.212	-0.068	-0.091	0.097	0.174
A014860_01	0.235	0.123	0.727	0.414	0.18	0.236	0.193	0.201
A014862_01	0.454	0.396	0.394	0.339	0.443	0.418	0.287	0.273
A014867_01	-1.878 NA	NA	NA		-1.46 NA	NA	NA	
A014874_01	-0.561 NA		0.083	-0.045	-0.053 NA		0.224	0.238
A014875_01	NA	NA	-0.105 NA	NA	NA	NA	NA	
A014876_01	1.096	0.818	0.699	0.441	1.089	0.796	0.554	0.512
A014888_01	-0.338	-0.244	-0.317	-0.105	-0.112	-0.04	0.178	0.143
A014892_01	NA	NA	0.478	0.208	0.812	0.827	0.392	0.376
A014899_01	0.212	0.365	0.003	0.022	-0.139	0.093	0.21	0.175
A014904_01	-0.532	-0.579	-0.277	-0.31	-0.462	-0.379	-0.121	-0.41
A014914_01	-0.574	-0.747	-0.043	-0.082	-1.477	-1.429	-0.682	-0.758
A014915_01	NA	NA	0.391	0.125 NA	NA		-0.115	-0.414
A014919_01	-1.247	-0.792	-0.017	-0.099	0.05	0.181	0.383	0.269
A014925_01	0.04	0.013	-0.442	-0.442	-0.247	-0.264	-0.224	-0.182
A014927_01	-0.709	-0.275	0.37	0.386	0.786	0.431	0.543	0.64
A014928_01	0.203	-0.178	0.328	0.179	0.692	0.545	0.717	0.62
A014929_01	0.4	0.488	0.244	0.233	0.228	0.362	0.207	0.236
A014931_01	0.038	0.196	-0.147	-0.144	-0.131	0.059	0.203	0.25
A014932_01	-0.142	-0.005	0.41	0.311	0.048 NA		-0.119	-0.134
A014933_01	0.073	0.059	0.218	0.042	-0.138	-0.105	0.135	0.02
A014935_01	0.221	0.101	0.004	-0.117	0.274	0.288	0.387	0.34
A014936_01	-0.313 NA		-0.075	-0.12	-0.42 NA		0.253	0.141
A014938_01	0.074	0.01	-0.023	-0.158	0.042	-0.06	-0.011	-0.124
A014939_01	0.221	0.535	0.48	0.447	0.554	0.527	0.416	0.485
A014942_01	-0.289	-0.053	-0.118	-0.154	0.522	0.169	0.13	0.007
A014945_01	1.3	0.954	-0.483	-0.539	1.146	0.936	1.039	1.182
A014947_01	0.073	0.067	0.559	0.484	0.031	0.251	0.34	0.219
A014948_01	0.831	0.759	-0.112	-0.095	0.928	0.909	0.463	0.565
A014951_01	0.281	0.192	-0.851	-0.868	-0.944	-0.808	-0.791	-1.083
A014952_01	0.171	0.188	0.19	0.123	-0.196	-0.113	0.293	0.199
A014953_01	NA	NA	0.342	0.125 NA	NA		0.209	0.085
A014954_01	-0.325	0.182	-0.591	-0.38	0.501	0.561	0.677	0.79
A014955_01	0.83	0.676	0.346	0.236	0.523	0.377	0.356	0.264
A014965_01	NA	NA	-0.181 NA	NA	NA	NA	NA	
A014971_01	-0.176	0.147	-0.041	-0.014	0.327	0.114	-0.021	0.008
A014974_01	NA	0.138	-0.273	-0.219	0.215 NA		0.037	0.385
A014976_01	0.535	0.361	0.063 NA		0.462	0.329	0.488	0.38
A014979_01	0.045	-0.173	-0.049	0.065	-0.269	-0.161	-0.17	-0.135
A014980_01	NA	NA	0.065 NA		-0.043 NA	NA		0.025
A014982_01	0.746	0.392	-0.4	-0.261	0.335	0.142	0.157	0.133
A014984_01	-1.264	-0.358	0.354	0.377	-0.519	-0.238	-0.228	0.036
A014986_01	-0.624	-0.311	0.258	0.182	0.175	0.034	0.083	0.019
A014989_01	0.383	0.251	0.032	-0.008	-0.114	-0.228	-0.162	-0.163
A014991_01	-0.849	-0.531	0.381	0.333	-0.538	-0.366	-0.214	-0.203

A014996_01		-0.857	-0.153	0.176	0.058	-0.527	-0.299	0.094	0.114
A015002_01		0.487	0.102	-0.617	-0.494	0.212	0.158	0.37	0.333
A015008_01		-0.138	-0.009	-0.186	-0.137	0.042	0.201	0.001	0.063
A015009_01		-0.215	-0.017	0.471	0.168	0.493	0.448	0.596	0.464
A015011_01		0.349	0.325	0.206	0.033	0.381	0.432	0.18	0.263
A015012_01		-0.296	-0.075	-0.062	-0.155	0.032	0.036	-0.102	-0.245
A015013_01		0.466	0.465	0.246	0.421	0.709	0.929	0.408	0.749
A015025_01		-0.061	-0.031	-0.7	-0.668	-0.654	-0.706	-0.458	-0.753
A015035_01	NA		NA	0.358	0.198 NA		NA	-0.113	-0.228
A015041_01		-0.194	-0.215	-0.392	-0.478	-0.359	-0.301	0.066	-0.088
A015042_01	NA		NA	0.426	0.487	-0.369 NA		-0.407	-0.424
A015044_01		0.083	-0.033	0.072	-0.013	0.061	0.081	0.178	0.15
A015047_01		-0.675	-0.498	-0.876	-0.711	-0.111	0.004	-0.393	-0.21
A015050_01		0.958	0.494	-0.474	-0.423	0.317	0.206	-0.054	-0.012
A015054_01	NA		NA	0.374	0.231 NA		NA	0.108	-0.06
A015056_01		-0.315	-0.492	0.008	0.128	0.153	0.044	-0.019	0.082
A015062_01		-1.406	-1.021	0.264	0.239	-0.927	-0.659	-0.269	-0.114
A015066_01		0.506	0.526	-0.031	-0.037	0.205	0.19	-0.05	-0.013
A015067_01		0.321 NA		0.281 NA		0.476 NA		NA	NA
A015071_01		0.814	1.177	-0.043	-0.193	-0.087	0.595	0.185	0.164
A015072_01		-1.433	-1.314	-0.797	-0.624	-1.02	-0.908	-0.605	-0.826
A015075_01		-1.88	-1.15	0.579	0.596	-0.957	-0.658	-0.331	-0.367
A015077_01		-0.411	-0.609	-0.314	-0.076	-0.7	-0.669	-0.374	-0.432
A015079_01	NA		NA	-0.092	-0.226 NA		NA	-0.12	-0.517
A015081_01	NA		NA	0.197	0.034 NA		NA	-0.155	-0.244
A015082_01		0.785	0.391	0.262	0.149	0.232	0.019	-0.061	-0.249
A015083_01		-0.244	-0.173	-0.37	-0.319	-0.067	0.055	0.462	0.419
A015084_01		-0.231	-0.114	-0.196	-0.122	0.444	0.487	0.385	0.331
A015088_01		-0.83	-0.59	0.291	0.265	0.235	0.353	0.321	0.346
A015090_01	NA		NA	0.107	0.096	-0.255	-0.277	-0.283	-0.585
A015092_01		0.273	0.271	0.199	0.154	0.28	0.168	0.218	0.369
A015093_01		-0.125	-0.051	-0.546	-0.294	-0.196	-0.347	-0.419	-0.178
A015095_01	NA		NA	-1.785	-1.646 NA		NA	-2.013 NA	
A015096_01		0.653	0.252	-0.059	-0.133	0.142	-0.035	0.262	0.212
A015097_01		0.759	0.215	-0.223	-0.28	0.172	-0.079	0.196	0.135
A015098_01		0.849 NA		0.185	-0.033	0.406	0.304	0.167	0.132
A015102_01		0.006	0.424	-0.567	-0.602	-0.179	0.09	0.814	0.381
A015105_01		-0.521	-0.184	0.847	0.686	0.912	0.632	0.616	0.545
A015108_01		-0.591	-0.561	-0.179	-0.144	-0.551	-0.628	-0.463	-0.59
A015109_01	NA		NA	-0.514	-0.643 NA		NA	-0.6	-0.641
A015111_01	NA		NA	0.185	0.146 NA		NA	0.519	0.289
A015114_01		-0.604	-0.558	0.071	0.023	-0.766	-0.423	0.001	-0.071
A015118_01		0.756	0.402	0.13	0.052	0.307	0.169	0.222	0.157
A015121_01		0.312 NA		0.323	0.087 NA		NA	0.131 NA	
A015124_01		0.148	0.135	0.163	0.089	0.364	0.351	0.116	0.092
A015125_01		-0.023	-0.215	-0.352	-0.329	-0.275	-0.411	-0.25	-0.281
A015126_01	NA		NA	-0.415	-0.443 NA		NA	-0.42	-0.467
A015128_01	NA		NA	0.194	0.056	-0.33 NA		0.19	0.132
A015129_01		-0.557	-0.159	0.04	0.097	-1.085	-0.732	-0.369	-0.443
A015134_01		-0.225	0.206	1.046	0.8	0.574	0.499	0.141	0.022
A015141_01		0.452	0.093	-0.445	-0.397	-0.034	-0.207	0.171	0.178
A015144_01		0.543	0.126	-0.728	-0.64	-0.602	-0.457	-0.22	0.015
A015147_01	NA		NA	-0.313 NA		-0.456 NA		-0.186 NA	
A015148_01		0.811	0.413	0.266	0.237	0.366	0.134	0.228	0.23
A015149_01		0.199	0.04	0.458	0.314	0.281	-0.112	-0.123	-0.189
A015157_01		0.833	0.442	0.405	0.464	0.076	-0.108	0.011	0.253
A015160_01		0.649	0.263	-0.103 NA		0.311	0.026	0.489	0.514
A015163_01		0.355 NA		0.026	0.165 NA		NA		0.233
A015165_01		-0.438	-0.099	0.301	0.276	-0.753	-0.581	-0.311	-0.352
A015167_01	NA		NA	0.749	0.511	-0.094 NA		0.014	0.067
A015168_01		-0.566	-0.2	0.484	0.441	0.253	0.214	0.446	0.405
A015171_01	NA		NA	0.374	0.327 NA		NA	-0.453	-0.459
A015181_01		-0.276	-0.461	-0.484	-0.367	-0.507	-0.545	-0.312	-0.324
A015182_01		-0.002	0.543	0.477	0.445	0.499	0.41	0.433	0.428
A015183_01	NA		NA	0.382	0.236 NA		NA	0.067	-0.28
A015185_01		-0.692	-0.634	-0.015	-0.183	-0.216	-0.095	-0.053	-0.174
A015187_01		0.143 NA		0.12	0.117 NA		NA	-0.551	-0.393
A015190_01		0.38 NA		0.264	0.049	0.318	-0.044	0.596	0.075

A015196_01		-0.511	-0.584	-0.082	-0.056	-0.381	-0.466	-0.41	-0.323
A015197_01		0.722	0.569	0.269	0.045	0.524	0.253	0.222	0.21
A015199_01		0.538	0.162 NA	NA		0.23	-0.145	0.53 NA	
A015203_01		-0.635	-0.735	-0.645	-0.502	-0.486	-0.635	-0.429	-0.424
A015220_01		-0.155	-0.106	-0.231	-0.185	-0.071	-0.127	-0.095	-0.24
A015223_01		0.027	0.168	-0.108	-0.006	0.111	0.303	0.332	0.443
A015232_01		-0.077	0.168	0.019	-0.065	-0.287	-0.436	-0.409	-0.514
A015235_01		-0.609	-1.33 NA	NA		-0.911	-1.261 NA	NA	
A015236_01		-0.133	-0.296	0.289	0.16	-0.237	-0.211	0.02	0.014
A015237_01		-0.931	-0.718	-0.11	-0.085	-0.826	-0.454	-0.375	-0.262
A015239_01		0.745	0.296	-0.168	-0.039	0.141	0.16	0.234	0.398
A015240_01		-0.269 NA		-0.69	-0.68	-0.598	-0.757	-0.596	-0.63
A015243_01		-0.738	-0.433	0.448	0.371	0.001	-0.119	-0.128	-0.129
A015246_01	NA	NA		-0.145	-0.271 NA	NA	NA		-0.292
A015249_01		0.165	0.525	-0.024	0.107	0.855	0.871	0.668	0.856
A015251_01		0.154	0.225	-0.262	-0.172	0.4	0.473	0.146	0.28
A015257_01		-0.977	-1.055	0.305	0.143	-0.523	-0.434	-0.196	-0.273
A015260_01		0.031	0.093	-0.046	-0.084	-0.023	-0.122	0.19	0.015
A015263_01		-1.154	-1.411	0.813	0.714	-0.276	-0.22	-0.318	-0.27
A015264_01	NA	NA		0.136	0.154	-0.269 NA		0.139	-0.015
A015265_01		-0.62	-0.391	-0.4	-0.43	-0.696	-0.809	-0.519	-0.754
A015266_01	NA	NA		-0.358	-0.53 NA	NA		-0.399	-0.7
A015267_01	NA	NA		0.919	0.615	0.252	0.182	0.242	0.105
A015269_01		0.195	0.386	-0.499	-0.414	-0.062	0.273	0.273	0.54
A015271_01		0.016	0.058	-0.086	-0.191	0.506	0.087	0.263	0.163
A015272_01		-0.114	0.171	0.051	-0.069	0.429	0.382	0.365	0.366
A015279_01		-0.307	-0.161	-0.02	0.042	0.465	0.361	0.471	0.548
A015281_01	NA		0.393	0.638	0.607	1.351	0.948	0.737	0.616
A015283_01		-1.031	-0.713	0.235	0.394	-0.619	-0.542	-0.282	-0.167
A015284_01		0.313	0.244	0.222	0.186	0.249	0.177	-0.075	-0.041
A015285_01		-0.637	-0.356	-0.354	-0.492	-0.373	-0.065	0.376	0.033
A015286_01		-0.981	-0.929	-0.89	-0.642	-1.178	-0.758	-0.72	-0.493
A015294_01	NA	NA		-0.206	-0.146	-0.526 NA		-0.651	-0.645
A015296_01		-0.514	-0.325	-0.071	-0.136	0.021	-0.058	0.137	-0.052
A015301_01	NA	NA		0.322	0.094	0.441 NA		0.336 NA	
A015302_01		-0.857	-1.224	-0.498	-0.421	-1.09	-0.933	-0.85	-0.961
A015313_01		-0.478	-0.526	0.521	0.355	0.689	0.454	0.459	0.478
A015314_01		-0.861	-0.561	0.248	0.153	-0.179	-0.082	-0.054	-0.094
A015319_01		0.526	0.219	0.186	0.207	0.358	0.391	0.206	0.196
A015320_01		0.582	0.292	0.188 NA	NA		0.176 NA	NA	
A015321_01		-0.535	-0.292	-0.27	-0.376	0.21	0.211	0.169	0.036
A015323_01		-0.366	-0.375	0.562	0.413	-0.108	-0.257	0.068	-0.009
A015331_01		-0.827	-0.703	-0.494	-0.381	-0.516	-0.454	-0.532	-0.514
A015336_01		0.143	0.114	0.207	0.234	0.195	0.231	0.226	0.097
A015339_01		0.332	0.68	-0.216	-0.146	0.875	0.855	1.022	1.092
A015345_01		-1.738	-1.789 NA		-3.179	-1.964	-1.785	-2.097	-2.093
A015349_01		0.34	0.131	0.193	0.045	0.229	0.289	0.223	0.304
A015351_01		0.279	0.856	-0.061	-0.042	0.218	0.686	0.241	0.385
A015356_01	NA		0.355	-0.125	-0.083 NA	NA		-0.074	-0.026
A015357_01		0.451	0.267	-0.3	-0.238	-0.022	0.061	0.382	0.383
A015360_01		-0.231	-0.279	0.232	0.146	-0.66	-0.802	-0.535	-0.518
A015361_01	NA	NA		0.251	0.142 NA		0.152	0.111	0.179
A015368_01		0.791	0.361	-0.201	-0.124	0.217	0.216	-0.001	0.109
A015378_01		0.248	0.474	0.093	0.152	0.117	0.429	0.469	0.647
A015380_01		0.728	0.743	0.684	0.509	0.539	0.219	0.235	0.208
A015388_01		0.105	-0.282	-0.054	-0.102	-0.238	-0.237	-0.018	-0.149
A015394_01		-0.838	-0.423	0.679	0.619	0.433	0.488	0.336	0.203
A015397_01		0.716 NA		-0.058	-0.351 NA		-0.099	-0.029 NA	
A015404_01		-0.499	-0.213	-0.069	0.042	-0.256	-0.138	-0.059	-0.164
A015414_01	NA	NA		-0.008	-0.067 NA	NA		-0.157	-0.087
A015422_01		0.277	0.494	0.263	0.254	0.701	0.521	0.058	0.016
A015423_01		-0.133 NA		0.193	-0.222	0.117	0.004	0.314	-0.069
A015431_01		0.629	0.769	0.116	0.197	-0.465	-0.184	-0.192	-0.064
A015432_01		-0.933	-0.674	0.16	0.127	-0.294	-0.087	0.042	-0.018
A015434_01	NA	NA		0.376	0.315 NA	NA		-0.189	-0.321
A015435_01	NA	NA		0.062	-0.001	-0.184 NA		-0.292	-0.322
A015439_01		0.499	0.516	0.54	0.442	0.525	0.61	0.39	0.463
A015442_01		1.126	0.836	0.146 NA		0.56	0.217 NA		0.422

A015444_01		-0.7	-0.563	0.016	-0.148	-0.487	-0.474	-0.158	-0.418
A015445_01		0.046	0.135	0.323	0.288	0.124	0.26	0.109	0.291
A015446_01		-0.644	-0.223	-0.025	-0.019	0.765	0.756	1.117	1.234
A015447_01		0.417	0.453	0.197	0.261	0.891	0.897	0.632	0.783
A015448_01		1.121	0.727	0.075	0.085	0.473	0.369	0.244	0.078
A015450_01		-0.414 NA		0.326	0.028	-0.016	0.061	0.189	-0.178
A015453_01		0.228	0.383	-0.318	-0.237	0.964	0.964	0.535	0.631
A015454_01		-0.166	0.05	0.028	-0.097	-0.061 NA		0.084 NA	
A015455_01	NA		NA	0.327	0.097	-0.184 NA		-0.138	-0.329
A015457_01		-0.749	-0.624	0.26	0.221	-0.022	0.049	0.215	0.067
A015458_01		-0.29	-0.396	-0.595	-0.566	-0.263	-0.154	-0.031	-0.046
A015462_01		0.196	0.114	-0.156	-0.285	0.045	-0.094	0.336	0.236
A015463_01		-0.683 NA		-0.379	-0.319	-0.021	0.081	-0.004	-0.093
A015464_01	NA		-0.851	-1.595	-1.361 NA		-1.013	-0.916	-1.219
A015465_01		-0.616	-0.583	-1.09	-0.888	-0.904	-0.726	-0.862	-0.678
A015466_01		-0.702	-0.145	-0.186	-0.176	-0.227	0.083	-0.083	0.038
A015472_01	NA		-0.506	-0.949 NA		-0.546	-0.558 NA		NA
A015473_01		0.399	0.142	0.265	0.164	-0.083	-0.293	-0.194	-0.218
A015474_01		0.6	0.462	0.33	0.282	0.038	-0.197	0.085	-0.069
A015475_01		-0.157	-0.44	-0.514 NA		-0.161 NA		NA	NA
A015477_01		-0.397	-0.086	-0.091	-0.011	0.038	0.156	-0.002	0.047
A015481_01		0.083	0.156	0.315	0.206	0.241	0.205	0.203	0.204
A015483_01		-0.472	0.004	0.315	0.123	1.713	1.286	1.303	1.224
A015484_01		-0.544	-0.403	-1.032	-0.69	-0.666	-0.335	-0.507	-0.457
A015487_01		0.388	0.465	0.642	0.326	0.56	0.506	0.399	0.33
A015490_01		0.088 NA		0.513	0.119	0.21 NA		-0.004	-0.231
A015492_01		-0.697	-1.106	-2.133 NA		-1.46	-1.623	-0.058	-0.056
A015493_01	NA		NA	-0.035	-0.128 NA		NA	0.296	0.31
A015498_01		0.657	0.874	0.244	0.14	0.863	1.24	0.861	0.86
A015504_01		-0.561	-0.027	0.726	0.51	0.525	0.527	0.585	0.505
A015505_01	NA		0.104	-0.353	-0.459 NA		-0.015	-0.096	0.024
A015508_01		0.332	0.552	0.403	0.332	0.654 NA		0.524	0.497
A015510_01		0.379	0.379	0.227	0.271	0.65	1.019	0.802	1.21
A015511_01		1.443	0.084	-0.422 NA		0.799	0.07 NA		0.186
A015513_01		0.509	0.36	-0.004	0.065	-0.122	-0.04	0.007	0.118
A015519_01		-0.781	-0.433	-0.376	-0.291	-0.095 NA		0.402	0.48
A015522_01		0.327	0.002	0.006	-0.192	0.184	0.017	0.217	-0.181
A015523_01		-1.266	-0.612	0.188	0.191	0.09	0.212	0.102	0.182
A015524_01		-0.87	-0.799	-0.112	-0.006	-0.766	-0.691	-0.461	-0.465
A015530_01		-0.799	-0.74	0.256	0.087	-0.671	-0.488	-0.09	-0.417
A015534_01		0.46	0.482	-0.199	0.053	0.55	0.561	0.454	0.786
A015536_01		0.117	0.019	-0.461	-0.33	-0.315	-0.114	-0.302	-0.068
A015539_01		0.505	0.319	-0.065	-0.03	0.557	0.578	0.532	0.799
A015540_01		0.304	0.748	0.099	0.167	0.27	0.753	0.451	0.685
A015543_01		0.023	0.182	-0.164	-0.147	0.562	0.561	0.901	0.937
A015548_01		0.254	0.483	0.291	0.282	0.557	0.831	1.009	1.179
A015550_01		0.25	0.23	0.406	0.222	0.433	0.04	0.263	0.118
A015558_01		-1.019	-1.022	0.237	0.271	0.358	0.554	0.326	0.381
A015563_01	NA		NA	0.314	0.209 NA		NA	-0.148	-0.292
A015571_01		0.702 NA		0.198	-0.028	0.048	0.112	-0.044	-0.002
A015576_01	NA		NA	-0.049	-0.058	-0.174	-0.082	-0.264	-0.248
A015578_01		0.517 NA		0.269	0.032	0.439 NA		0.356	0.02
A015579_01		-1.893	-0.962	-0.103	-0.078	-0.408	-0.192	-0.093	-0.176
A015585_01		-0.037	-0.499	-0.835	-0.72	-0.472	-0.68	-0.501	-0.315
A015586_01	NA		NA	-0.538 NA		-0.11	-0.579	-0.328 NA	
A015587_01		-0.11	-0.087	-0.368	-0.289	0.142	0.108	0.149	0.198
A015591_01		0.898	0.814	0.118	0.134	0.161	0.394	0.421	0.422
A015595_01		0.477	0.284	0.489	0.367	0.787	0.677	0.54	0.465
A015599_01	NA		NA	-0.143	-0.142 NA		NA	-0.641	-0.66
A015600_01	NA		NA	-0.048	-0.115 NA		NA		NA
A015605_01	NA		-0.305	-0.289 NA		0.165	-0.139 NA		NA
A015607_01		0.536	0.522	-0.054	-0.151	0.129	0.103	0.103	0.325
A015608_01	NA		NA	-0.312	-0.056 NA		NA	0.024	0.384
A015613_01		-0.305	-0.5	-0.045	-0.199	-0.605	-0.733	-0.29	-0.519
A015616_01	NA		NA	0.019 NA		0.241	0.143	0.002 NA	
A015617_01		0.355	0.341	0.11	0.111	0.367	0.445	0.131	0.217
A015619_01		0.504	0.264	-0.268	-0.134	0.12	-0.104	-0.135	-0.072
A015625_01	NA		NA	0.232	0.168 NA		NA	0.282 NA	

A015629_01		0.293	0.412	-0.533	-0.185	-0.295	0.115	-0.269	0.259
A015634_01		-0.269	-0.093	-0.058	-0.085	0.63	0.608	0.419	0.431
A015635_01	NA	NA		0.061 NA	NA	NA	NA	NA	
A015637_01	NA	NA		0.355	0.196 NA	NA	NA		0.138
A015638_01	NA		0.469	0.194	0.187 NA	NA	NA		0.193
A015639_01		0.085	0.201	0.363	0.393	0.844	0.886	0.071	0.223
A015641_01		0.839	0.564	0.244	0.205	0.616	0.552	0.759	0.63
A015643_01		0.308 NA		0.224	0.016	0.395 NA		0.239	0.075
A015645_01		-0.817	-0.672	-0.064	-0.152	-0.732	-0.635	-0.145 NA	
A015646_01		0.363	0.266	-0.165	-0.042	0.062	0.284	-0.075	0.212
A015647_01	NA		0.305	0.013	-0.037 NA		0.704	0.654	0.494
A015648_01	NA		0.033	-0.178	-0.25	0.399	0.453	0.283	0.28
A015649_01		0.156	0.433	0.423	0.318	0.508	0.332	0.45	0.338
A015650_01		0.119	0.245	0.147	-0.023	0.4	0.323	0.234	0.112
A015651_01		0.848	0.703	0.157	0.19	0.355	0.447	0.23	0.355
A015653_01	NA	NA		0.294	0.157 NA	NA		-0.187	-0.469
A015654_01		0.293 NA		0.254	0.222	0.063	0.184 NA		0.034
A015658_01		-0.187	0.059	0.366	0.27	0.746	0.697	0.383	0.349
A015659_01		0.646	0.364	0.066 NA	NA	NA	NA	NA	
A015660_01		0.131	0.257	-0.281	-0.138	0.64	0.844	0.314	0.433
A015662_01	NA		-0.379	-0.386	-0.36 NA	NA		-0.101	-0.239
A015663_01	NA		-0.546	-0.312	-0.302	-0.516 NA		-0.56	-0.46
A015665_01		0.551	0.415	-0.26	-0.307	0.372	0.459	-0.066	-0.019
A015667_01		0.575	0.403	-0.218	-0.261	0.256	0.156	0.201	0.23
A015668_01		0.034	-0.171	0.099	0.038	0.486	0.299	0.603	0.488
A015673_01		-0.224	-0.092	0.136	-0.113	-0.054	-0.14	0.077	-0.022
A015678_01		-0.27	-0.216	-0.161	-0.365 NA		0.167	0.038	-0.007
A015679_01		0.005	0.223	0.171	0.157	0.325	0.605	0.787	0.809
A015692_01		0.256	0.177	0.54 NA		0.297 NA		-0.191 NA	
A015697_01		0.228	0.11	0.061	-0.122	0.017	-0.005	-0.131	-0.234
A015703_01		-0.061	-0.026	-0.019	-0.228	0.121	-0.142	0.513	0.103
A015705_01		0.54	0.422	-0.381	-0.066	0.069	0.418	-0.008	0.411
A015707_01		0.026	0.099	0.38	0.35	0.091	0.165	0.004	0.032
A015713_01		0.361 NA		0.45	0.129	0.289	0.017	0.114	-0.252
A015716_01		-0.652	-0.463	0.584	0.285	0.17	0.107	0.075	0.013
A015723_01		0.678	0.371	0.36	0.206	0.581	0.513	0.47	0.315
A015724_01		0.191	-0.157	-0.455	-0.391	-0.272	-0.383	0.018	-0.044
A015725_01		0.676	0.316	-0.255	-0.232	-0.267	-0.189	-0.211	-0.358
A015733_01		1.093	0.922	0.396	0.404 NA	NA	NA	NA	
A015739_01		0.237	0.228	0.346	0.378	0.207	0.495	0.162	0.207
A015744_01	NA	NA		0.308	0.179 NA	NA		0.228	-0.037
A015747_01	NA	NA		0.126	0.046 NA		-0.185	0.111 NA	
A015750_01	NA	NA		0.345	0.129 NA	NA		0.002	-0.202
A015753_01	NA		-0.353	0.115	-0.129	0.08	-0.206	0.188	-0.074
A015757_01		0.919	0.712	-0.364	-0.184	-0.573	-0.504	-0.295	-0.17
A015762_01		-0.012	-0.199	-0.007	0.007	-0.585	-0.758	-0.475	-0.393
A015763_01	NA	NA		0.231	0.251 NA	NA		-0.15	-0.152
A015772_01	NA	NA		-0.371	-0.553 NA	NA	NA	NA	
A015776_01		-0.541 NA		0.44	0.287	0.421	0.441	0.396	0.483
A015777_01		0.131	-0.037	-0.196	-0.235	0.373	0.129	0.123	-0.093
A015778_01		-0.375	-0.055	-0.106	-0.2	-0.118	0.036	0.471	0.486
A015779_01	NA	NA		-0.069	-0.082 NA	NA		-0.426	-0.516
A015780_01	NA		-0.313	0.247	0.121	0.199	0.207	0.168	0.225
A015790_01		-0.437	-0.176	0.047	-0.042	0.048	0.061	-0.007	0.09
A015793_01		-1.132 NA		-1.139 NA		-0.721 NA	NA	NA	
A015794_01		-0.352	-0.11	-0.136	-0.249	-0.01	0.018	0.126	-0.001
A015797_01		-0.747	-1.018	0.295	-0.016	-0.883	-0.913	-0.517	-0.591
A015800_01		0.718	0.282 NA	NA		0.299	0.09 NA	NA	
A015805_01		-0.022	-0.137	0.178	0.13	-0.076	-0.266	0.121	0.016
A015822_01		-1.019	-0.666	0.122	0.386	-0.165	0.077	-0.286	-0.036
A015825_01		-0.609	-0.276	0.11	0.003	-0.196	-0.324	0.163	-0.018
A015827_01		-0.978	-0.681	-0.269	-0.25	-0.305	-0.293	-0.12	-0.17
A015833_01		-0.027	-0.004	0.544	0.343	0.094	0.107	-0.005	-0.109
A015835_01	NA	NA		-0.507	-0.462	0.318 NA		-0.021	-0.211
A015837_01		-0.511 NA		-0.613 NA	NA		-1.117 NA	NA	
A015840_01		-0.016	-0.455	-0.903	-0.79	-0.345	-0.539	-0.42	-0.652
A015841_01		-1.047	-0.629	-0.53	-0.437	-0.298 NA		0.013	-0.109
A015843_01	NA		-0.298	0.281	0.15	-0.028	0.052	0.216	0.156

A015844_01	NA	NA		0.279	0.057 NA	NA		-0.011	-0.278
A015850_01		-0.208	-0.532	-0.804	-0.66	-0.371	-0.313	-0.735	-0.693
A015856_01	NA	NA		-0.104	-0.127 NA	NA		0.271	0.48
A015860_01		-2.28 NA		-2.112 NA		-2.533	-2.463	-2.331 NA	
A015861_01		-0.88 NA		0.444	0.288	-0.161 NA		-0.112	-0.277
A015862_01	NA	NA		0.211	0.109 NA	NA		-0.295	-0.356
A015864_01	NA	NA		-0.635 NA	NA	NA	NA	NA	
A015866_01		-0.211	0.042	-0.216	-0.185	-0.627	-0.139	0.16	0.084
A015870_01		0.543	0.168	0.342	0.285	0.2	0.135	0.318	0.193
A015874_01	NA	NA		0.19	0.111 NA	NA		-0.013	-0.123
A015876_01		0.875	0.52	-0.062	-0.018	0.359	0.244	0.15	0.38
A015877_01		-0.682 NA		-0.938	-0.823	-0.656 NA		-0.386	-0.734
A015878_01		0.009	0.278	0.409	0.386	0.728	0.641	0.467	0.374
A015879_01	NA	NA		0.179	0.08	-0.14 NA		-0.627	-0.89
A015881_01		-0.187	-0.147	-0.056	-0.109	0.154	0.061	0.195	0.042
A015882_01		0.281	-0.047	-0.435	-0.648	-0.265	-0.481	0.156 NA	
A015883_01		-0.299	0.249	0.731	0.592	0.535	0.476	0.259	0.232
A015892_01		-0.118	0.243	0.176	0.144	0.339	0.343	0.482	0.392
A015893_01		0.53	0.395	0.078	0.111	0.036	0.07	-0.005	0.28
A015895_01		-0.588	-0.579	-0.596	-0.604	-0.734	-0.971	-0.553	-0.755
A015896_01		-0.925	-0.596	-0.288	-0.238	-0.318	-0.215	0.028	-0.034
A015900_01		-0.033	0.072	0.369	0.103	0.061	0.133	0.401	0.104
A015904_01		0.425	0.133	-0.252	-0.131	-0.558 NA		-0.687	-0.528
A015905_01		1.285	0.806	-1.197	-1.171	0.852	0.502	0.027	0.017
A015906_01		0.192	0.039	0.112	0.05	0.372	0.113	0.395	0.268
A015910_01		0.307	0.252	0.247	0.067	0.416	0.217	0.385	0.111
A015913_01		0.21	-0.027	-0.558	-0.471	0.523	0.595	0.601	0.569
A015916_01	NA	NA		0.016	-0.264	0.312	0.108	0.305	0.088
A015922_01		-0.341 NA	NA	NA		-0.609 NA	NA	NA	
A015923_01		0.01	0.098	-0.487	-0.466	0.118	-0.014	0.057	0.014
A015929_01	NA	NA		0.695	0.51 NA	NA		-0.282	-0.364
A015930_01	NA	NA		-0.028	-0.011 NA	NA		-0.183	-0.195
A015936_01		-0.24	-0.603	-0.527	-0.477	1.443	0.87	1.274	1.154
A015938_01	NA	NA		-1.468 NA		-1.624	-1.211	-0.453	-0.817
A015940_01	NA		-0.756	-0.803	-0.736 NA	NA		-0.615	-0.689
A015941_01		0.781	0.287	-1.213	-1.079	-0.012	-0.26	-0.007	-0.005
A015946_01		0.468	0.121	-0.082	-0.21	-0.05	-0.183	0.04	-0.103
A015948_01		-2.221 NA	NA	NA		-2.155	-2.007 NA	NA	
A015954_01		-0.163	0.287	-0.449 NA		0.143	-0.089	0.358 NA	
A015955_01		0.478	0.205	-0.377	-0.287	0.044	-0.089	0.013	0.066
A015956_01		0.117	0.197	0.021	0.027	0.049	0.187	0.1	0.086
A015958_01		0.024	0.075	0.249	0.126	0.439	0.547	0.239	0.242
A015959_01		-0.064	0.096	-0.1	0.017	0.043	0.237	-0.019	0.073
A015962_01		-0.928	-0.518	0.664	0.566	-0.038	-0.028	-0.017	0.176
A015963_01		0.076	0.016	0.52	0.432	0.636	0.499	0.311	0.255
A015967_01		1.863	1.641	0.158 NA		-0.125	-0.03	0.284	0.296
A015968_01		0.002	0.062	0.09	0.028	0.102	-0.054	-0.017	-0.181
A015972_01		-0.032 NA		0.455	0.278	0.425 NA		0.309	0.029
A015973_01		-0.489	-0.223	0.261	0.219	0.339	0.324	-0.062	-0.036
A015977_01		-1.47	-0.72	0.219	0.152	0.116	0.225	0.212	0.216
A015979_01		0.815	0.506	0.098	0.146	0.694	0.465	0.567	0.553
A015980_01		0.127	0.299	-0.959	-0.924	-0.409	-0.343	-0.554	-0.566
A015982_01		-1.068	-1.192	-0.606	-0.464	-0.916	-1.03	-0.891	-0.673
A015984_01		-0.799	0.085	0.059	0.071	0.833	1.044	0.924	1.047
A015986_01	NA	NA		0.425 NA	NA	NA	NA		0.14
A015987_01		-0.371	-0.353	-0.258	-0.16	-0.475	-0.322	-0.112	0.117
A015988_01	NA		-0.024	-0.19 NA		-0.117 NA	NA	NA	
A015990_01		0.576	0.494	0.348	0.102	0.392	0.444	0.292	0.305
A015995_01		-0.95	-0.954	-0.573	-0.477	-0.526	-0.808	-0.339	-0.207
A015996_01		-0.017 NA		0.098	0.084	0.032 NA		0.18	0.206
A015997_01		-0.073	-0.297	-0.612	-0.523	-0.25	-0.374	-0.365	-0.377
A015998_01		-0.78	-0.589	-0.3	-0.313	-0.263	-0.422	-0.118	-0.163
A016000_01		-0.709 NA		-0.031	-0.16	0.43	0.259	0.406	0.474
A016011_01		-0.316	-0.252	0.464	0.159	0.116	0.076	0.023	-0.107
A016012_01		-0.542	-0.779	-0.204	-0.179	-0.939	-0.82	-0.489	-0.587
A016019_01		-0.473	-0.527	0.19	-0.05	-0.395 NA		-0.172	-0.28
A016020_01		0.258 NA		-0.109	-0.06	0.03 NA		0.13	0.267
A016021_01		0.578	0.306	0.271	0.092	0.409	0.293	0.424	0.384

A016022_01		0.785	0.493	0.339	0.1	0.218	0.161	0.266	0.191
A016023_01		-0.74	-0.617	0.237	0.176	-0.61	-0.603	-0.524	-0.571
A016028_01		1.199	0.804	0.112	0.209	0.434	0.363	0.26	0.409
A016029_01		0.353	0.133	0.206	0.121	0.006	-0.031	-0.087	-0.069
A016033_01	NA	NA		0.198	0.278 NA	NA		-0.378	-0.375
A016034_01	NA	NA		-0.863	-0.816	-1.452	-1.062	-1.044 NA	
A016035_01		0.459	0.095	-0.016	-0.096	-0.077	-0.215	-0.104	-0.065
A016041_01		-0.596	-0.179	-0.123 NA		0.465	0.283 NA		0.429
A016044_01		0.362 NA		-0.532	-0.364	-0.511 NA		-0.445	-0.24
A016046_01		-0.349	-0.645	-0.32	-0.242	-0.991	-0.933	-0.392	-0.404
A016047_01		-0.388	-0.588	0.426	0.202	-0.607	-0.613	-0.378	-0.522
A016048_01		0.638	0.498	0.46	0.285	0.785	0.463	0.4	0.294
A016051_01		1.149	0.934	-0.301	-0.405	0.289	0.329	0.787	0.783
A016052_01		-0.997	-0.44	0.124	0.272	-0.012	-0.055	-0.015	-0.188
A016055_01		0.1	0.362	0.325	0.315	0.823	0.816	0.983	1.107
A016059_01		-0.132	0.126	0.285	0.227	0.081	0.174	0.112	0.219
A016062_01		0.002	-0.348	-0.284	-0.372	-0.483	-0.705	-0.369	-0.556
A016066_01		0.169	0.068	-0.162	-0.312	-0.181	-0.159	-0.051	-0.073
A016068_01	NA	NA		0.237	-0.115 NA	NA		0.207	-0.301
A016069_01		-0.141	-0.16	0.071	0.047	-0.155	-0.152	-0.081	-0.054
A016070_01		-0.843	-0.586	0.313	0.148	0.15	0.191	0.141	0.095
A016072_01	NA		-0.458	0.422	0.327	0.018 NA		0.134	0.023
A016073_01		-0.24	-0.266	0.078	0.046	-0.429	-0.364	-0.26	-0.397
A016075_01	NA	NA		0.32	0.26	-0.494	-0.542	-0.51	-0.397
A016083_01		-1.194	-1.549	-2.246	-1.576	-1.797	-1.656	-1.077	-1.132
A016095_01		-1.77	-1.441	0.029	0.031	-1.188	-1.185	-0.692	-0.62
A016099_01		0.318	0.062	0.342	0.335	-0.276	-0.487	-0.218	-0.254
A016101_01		-0.256	-0.065	0.041	0.097	0.124	0.127	0.142	0.163
A016103_01		-0.613	-0.411	0.65	0.539	0.304	0.231	0.095	0.171
A016104_01		-0.106	-0.143	-0.105	-0.071	-0.335	-0.268	-0.324	-0.151
A016105_01		-0.447	-0.256	-0.191	-0.171	-0.706	-0.657	-0.231	-0.252
A016108_01		-0.436	-0.125	-0.289	-0.183	0.338	0.431	0.502	0.581
A016113_01		0.153	0.054	-0.257	-0.054	-0.465	-0.224	-0.268	0.017
A016117_01		-0.275	-0.075	-0.143	-0.033	-0.73	-0.279	-0.132	0.103
A016119_01	NA	NA		0.306	0.116	-0.361	-0.572	-0.188	-0.354
A016120_01		-0.556	-0.499	-0.473	-0.394	-0.555 NA		-0.383 NA	
A016123_01		0.212	0.008	-0.185	-0.318	-0.079	0.036	0.149	0.351
A016125_01		0.582	0.264	-0.557	-0.52	-0.053	-0.06	-0.252	-0.192
A016126_01		0.449	0.11	-0.273	-0.165	-0.363	-0.317	-0.253	0.078
A016127_01		0.376 NA		0.547	0.169	0.774 NA		0.483 NA	
A016130_01		-0.258	-0.287	-0.222	-0.252	-0.339	-0.375	-0.013	-0.464
A016131_01		-0.552	-0.209	-0.454	-0.21	0.004	-0.182	-0.54	-0.411
A016134_01	NA	NA		-0.198 NA	NA	NA	NA	NA	NA
A016139_01		-0.118 NA		0.091	0.126	0.012 NA		-0.052	-0.003
A016141_01		-1.894	-1.079	-0.086	-0.112	0.473	0.467	0.581	0.48
A016147_01		-0.726	-0.563	-1.291	-1.014	-0.695	-0.429	-0.577	-0.542
A016148_01		-0.796	-0.058	0.631	0.709	0.436	1.013	0.535	0.879
A016157_01		-0.595	-0.017	0.331	0.337	-0.023	0.061	0.222	0.313
A016163_01		0.136	-0.139	-0.751	-0.6	-0.378	-0.396	-0.535	-0.517
A016169_01		-0.101	0.003	0.075	0.124	0.325	0.212	-0.16	-0.227
A016172_01		0.482	0.239	0.195	0.14	0.25	0.303	0.275	0.219
A016173_01		0.794	0.331	-0.103 NA		0.483	0.507	0.29 NA	
A016174_01		0.553	0.358	0.182	0.218	0.201	0.191	0.003	0.064
A016175_01		-1.234	-1.881	-1.419	-1.148 NA		-1.868	-0.907	-0.958
A016177_01		0.239	0.012 NA	NA		-0.435 NA	NA	NA	NA
A016183_01		0.574	0.298	0.342	0.414	0.115	-0.067	-0.095	0.054
A016186_01		-0.233	0.114	-0.025	-0.085	0.472	0.444	0.699	0.654
A016187_01		-1.733	-1.277	-0.7	-0.478	-1.36	-0.923	-0.774	-0.719
A016191_01		0.524	0.24	-0.044	0.023	0.03 NA		0.253	0.045
A016192_01	NA	NA		0.156	0.048 NA		0.115	0.295	0.075
A016193_01		-1.56	-0.905	-0.751	-0.678	0.315	0.717	-0.124	0.019
A016195_01		0.479	0.272	0.076	0.038	0.191	-0.023	0.129	-0.082
A016197_01		0.171	0.056	-0.041	0.028	0.034	-0.185	-0.01	-0.027
A016198_01		-2.101	-1.646	-0.136	-0.01	-1.172	-0.88	-0.483	-0.566
A016199_01		-1.597	-0.709	0.188	0.108	-0.303	-0.107	-0.017	-0.118
A016201_01		0.582	0.214	-0.124	0.028	-0.436	-0.387	-0.25	-0.012
A016202_01	NA		-1.022	0.474	0.38	-0.3	-0.149	0.034	-0.256
A016207_01		0.069	0.165	-0.526	-0.233	-0.111	-0.01	0.103	0.306

A016209_01	-0.934	-0.686	-0.394	-0.228	-1.02	-0.69	-0.465	-0.487
A016210_01	-1.412	-0.786	0.429	0.323	0.587	0.488	0.506	0.317
A016211_01	0.857	0.784	0.276	0.275	0.159	0.228	0.152	0.456
A016215_01	0.335	0.15	-0.669	-0.591	-0.069	-0.015	-0.056	0.062
A016216_01	NA	NA	0.566	0.411	0.925	0.857	0.393	0.335
A016221_01	0.315	0.508	-0.118	0.007	0.087	0.574	0.296	0.619
A016222_01	-0.084	-0.023	-0.413	-0.555	0.166	0.189	0.274	0.201
A016226_01	-1.249	-0.143	0.154	0.189	0.68	0.764	0.916	0.93
A016227_01	0.428	0.141	-0.996	-0.899	-0.304	NA	-0.611	-0.678
A016229_01	-0.007	0.46	0.542	0.612	0.346	0.862	0.523	0.645
A016232_01	0.281	NA	-0.014	-0.207	NA	NA	NA	-0.229
A016233_01	-1.606	-1.239	-0.004	0.065	-0.618	-0.368	-0.029	0.044
A016234_01	1.199	0.877	NA	NA	0.384	0.327	-0.443	NA
A016238_01	1.176	1.214	0.273	0.251	-0.377	0.224	0.17	0.307
A016240_01	0.852	0.542	0.197	0.103	0.687	0.354	0.68	0.445
A016244_01	0.201	0.241	0.23	0.309	0.287	0.217	0.077	0.286
A016247_01	0.22	0.25	-0.213	-0.178	0.33	0.309	0.211	0.192
A016250_01	0.182	0.35	-0.161	0.021	0.183	0.548	0.244	0.573
A016255_01	0.581	0.584	-0.248	-0.144	0.756	0.447	0.698	0.746
A016260_01	0.114	0.097	-0.047	-0.063	0.084	0.011	0.282	0.138
A016266_01	-0.36	0.089	0.56	0.37	0.61	0.354	0.249	0.294
A016267_01	0.433	-0.003	-0.578	-0.457	-0.016	-0.025	-0.331	-0.183
A016269_01	-0.194	NA	-0.045	NA	0.291	0.22	0.333	0.331
A016271_01	0.027	0.106	0.127	0.02	0.085	0.129	0.102	-0.067
A016272_01	-0.077	0.002	0.527	0.262	0.478	0.514	0.287	0.293
A016274_01	NA	NA	0.426	0.082	NA	NA	-0.252	-0.411
A016275_01	-0.122	0.08	-0.086	0.099	0.08	0.279	0.196	0.413
A016278_01	0.418	0.451	0.807	0.914	0.118	0.46	0.018	0.262
A016281_01	-0.128	NA	0.102	0.145	-0.36	-0.571	-0.523	-0.41
A016282_01	0.911	0.451	0.254	NA	1.023	0.593	0.518	0.426
A016283_01	-0.195	-0.497	-0.13	-0.021	-0.614	-0.717	-0.368	-0.479
A016285_01	-0.65	-0.709	-0.465	-0.397	-0.649	-0.636	-0.288	-0.332
A016286_01	NA	NA	-0.012	NA	0.263	NA	NA	NA
A016291_01	0.434	0.118	-0.235	-0.121	-0.075	-0.219	-0.208	0.026
A016297_01	0.222	0.1	0.053	0.234	-0.043	0.263	0.141	0.475
A016301_01	NA	NA	-0.097	-0.081	NA	NA	-0.306	-0.318
A016303_01	-0.122	-0.06	0.113	0.239	-0.453	-0.366	-0.353	-0.222
A016306_01	0.192	0.049	0.028	0.016	-0.429	-0.346	-0.534	-0.585
A016309_01	-0.239	-0.493	-0.039	-0.128	-0.473	-0.383	-0.148	-0.192
A016312_01	-0.069	-0.022	0.036	0.043	0.33	0.115	0.194	0.24
A016314_01	0.41	0.467	0.111	0.052	0.014	-0.096	0.116	0.036
A016316_01	-0.737	-0.772	-0.682	-0.236	-0.738	-0.775	-0.318	-0.153
A016317_01	0.081	-0.147	0.021	0.04	-0.275	-0.195	-0.03	-0.033
A016319_01	-0.643	-0.655	-0.622	-0.522	-0.03	-0.057	0.237	-0.014
A016320_01	0.28	0.184	0.281	0.113	0.218	0.064	-0.034	-0.005
A016321_01	-1.035	-0.267	0.204	0.127	0.171	0.073	0.299	0.067
A016322_01	0.276	-0.128	-0.086	-0.002	-0.255	-0.345	0.062	0.269
A016323_01	0.056	0.326	0.243	0.164	0.278	0.358	0.399	0.29
A016324_01	-0.988	-0.659	-0.497	-0.505	0.089	0.175	0.202	0.08
A016325_01	-0.303	-0.035	0.242	0.172	0.003	-0.01	0.074	-0.066
A016327_01	-0.435	-0.085	-0.061	-0.101	-0.258	0.057	0.002	-0.253
A016330_01	-0.054	-0.064	-0.203	-0.502	0.413	0.206	0.682	0.36
A016331_01	0.57	0.351	-0.309	-0.242	0.125	-0.04	-0.018	0.177
A016332_01	0.678	0.648	-0.052	0.561	0.384	0.434	NA	0.737
A016333_01	0.931	0.365	0.155	NA	0.475	NA	0.367	NA
A016335_01	-0.493	-0.85	-0.422	-0.401	-1.162	-1.117	-0.503	-0.749
A016337_01	0.05	0.441	-1.092	-0.781	-0.538	0.272	0.226	0.384
A016340_01	0.556	0.254	-0.199	-0.173	0.297	0.063	0.186	0.176
A016344_01	-0.466	-0.458	-0.276	-0.251	-0.506	-0.356	-0.144	-0.258
A016347_01	NA	NA	0.572	0.527	NA	NA	-0.457	-0.463
A016351_01	0.5	0.501	0.334	0.291	0.466	0.392	0.376	0.299
A016354_01	-0.033	-0.103	-0.049	-0.192	0.227	0.135	0.068	-0.077
A016359_01	-1.001	-0.694	-0.025	-0.175	-0.845	-0.545	-0.324	-0.538
A016360_01	-0.108	0.077	-0.259	-0.175	-0.261	0.066	-0.276	-0.168
A016362_01	-0.854	-0.741	-0.191	-0.288	-0.056	-0.413	0.21	0.101
A016363_01	-0.94	-0.715	-0.168	-0.198	-0.283	-0.316	-0.171	-0.246
A016364_01	-1.777	-0.706	-0.003	-0.145	0.633	1.102	1.228	1.17
A016367_01	-1.45	-0.716	0.554	0.328	-1.081	-0.417	-0.112	-0.145

A016368_01	NA		-0.725	0.966	0.809 NA		0.323	0.053	0.18
A016369_01		0.026	0.285	0.166	0.309	0.557	0.426	0.304	0.235
A016370_01		0.207	0.334	0.001	-0.046	-0.036	0.181	0.309	0.336
A016372_01		-1.303	-1.177	-0.841	-0.861	-1.344	-1.078	-0.129	-0.155
A016373_01	NA	NA		0.546	0.412 NA	NA		-0.109	-0.321
A016374_01		0.431	0.251	-0.311	-0.171	0.165	0.295	0.104	0.233
A016376_01		-0.826	-0.687	-0.381	-0.237	-0.886	-0.897	-0.809	-0.696
A016378_01		0.493	0.155	0.221	0.085	0.172	0.049	0.102	-0.12
A016380_01		0.561	0.333	0.419	0.372	0.119 NA	NA	NA	
A016382_01	NA	NA		0.329	0.201	-0.314 NA		0.001	-0.123
A016383_01		-0.35	-0.133	0.04	0.01	-0.127	0.079	-0.23	-0.126
A016384_01		-0.29	-0.428	-0.228	-0.17	-0.41	-0.468	-0.271	-0.264
A016385_01		0.581	0.188	0.508	0.169	0.475	0.226	0.18	-0.038
A016390_01		-0.579	-0.06	0.187	0.203	-0.238	-0.373	-0.333	-0.251
A016393_01		0.046	0.452	-0.485	-0.338	-0.418	0.391	0.378	0.47
A016394_01		-0.67 NA		0.041	-0.034	0.064	-0.06	0.053	0.05
A016399_01		-0.084	-0.046	-0.048	-0.097	0.184	0.162	-0.105	-0.174
A016402_01		1.006	1.363	0.373	0.733	0.879	1.961	1.5	2.444
A016407_01		-0.234 NA		0.154	0.029	0.386	0.343	0.083	-0.114
A016408_01	NA	NA		0.285	0.188 NA	NA		-0.327	-0.4
A016411_01		-0.214	0.329	0.671	0.678	0.149	0.405	0.294	0.412
A016412_01		-0.797 NA		0.463	0.087	-0.283	-0.338	0.042	-0.21
A016416_01	NA	NA		0.735	0.42 NA	NA		0.305	0.195
A016417_01		-0.794	-0.36	-0.066	-0.16	0.31	0.276	0.471	0.383
A016419_01		-0.056 NA		-0.132	0.051	-0.307 NA		-0.026	0.312
A016420_01		-1.13	-1.044	0.394	0.574	-1.474	-1.184	-1.057	-0.945
A016421_01	NA	NA		0.338	0.268 NA	NA		0.354	0.129
A016422_01	NA	NA		0.138	0.072 NA	NA		-0.139	-0.076
A016423_01		0.635	0.614	0.318	0.264	0.672	0.864	0.728	0.884
A016425_01		-0.376	0.094	0.541	0.536	0.085	0.028	-0.045	0.012
A016426_01		0.115	0.339	-0.091	-0.015	0.255	0.679	0.379	0.707
A016431_01		0.575	0.539	-0.004	-0.128	0.054	-0.125	-0.218	-0.396
A016432_01		-0.77	-0.321	0.18	0.122	-0.098	-0.202	-0.096	-0.177
A016442_01		0.717	0.023	-0.192 NA	NA		-0.236	-0.239 NA	
A016443_01		-0.308	0.014	0.036	-0.013	0.286	0.319	0.282	0.158
A016444_01	NA	NA		0.205	-0.059 NA	NA		-0.116	-0.384
A016446_01		-2.286	-1.881	-2.544	-2.254	1.533	1.931	1.898	1.94
A016447_01		-0.015 NA		-0.287	-0.527	-0.463 NA		-0.347	-0.765
A016449_01	NA	NA		0.294	0.237 NA	NA		-0.022	-0.051
A016453_01		-2.322	-1.261	-0.38	-0.286	-0.862	-0.755	-0.478	-0.609
A016456_01	NA	NA		0.15	-0.003 NA	NA	NA	NA	
A016458_01		0.569	0.578	0.024	-0.029	0.219	0.269	0.205	0.118
A016459_01		-1.076 NA		0.331	0.222	-0.392 NA		0.057	-0.128
A016460_01		0.047	-0.044	0.229 NA	NA		0.031 NA	NA	
A016462_01		0.086	-0.022	0.123	-0.059	0.151	0.213	-0.164	-0.28
A016463_01		0.157	0.496	-0.192	-0.212	1.06	0.859	1.083	0.973
A016465_01		-0.166	-0.389	0.061	0.06	0.313	0.293	-0.083	-0.04
A016466_01		-0.743	-0.384	-0.764 NA		-0.585	-0.267	-0.312	-0.323
A016472_01		0.957	0.725	-0.033 NA		0.577	0.713	0.82	0.746
A016473_01		0.813	1.058	0.095	0.076	0.184	0.435	0.11	0.285
A016476_01		0.835	0.834	-0.377	-0.505	-0.261 NA		-0.199	-0.519
A016478_01		-0.569	-0.276	0.145	0.073	-0.142	-0.304	-0.398	-0.435
A016483_01	NA	NA		0.339	0.246 NA		0.081	-0.05	-0.138
A016484_01		-0.07	-0.642	-1.018	-0.853	-0.562	-0.983	-0.854	-1.041
A016494_01		0.887	0.447	-0.159 NA		0.182 NA	NA	NA	
A016502_01		0.418	0.324	-0.2	-0.096	-0.002	0.019	-0.168	-0.032
A016509_01		0.722	0.528	-0.236 NA		0.45	0.047 NA		0.185
A016510_01		0.4	0.371	-0.454	-0.232	-0.181	-0.268	-0.183	-0.136
A016511_01		-0.001	0.104	0.031	-0.089	-0.081	0.122	-0.026	0.025
A016514_01	NA	NA		0.152	-0.153 NA	NA	NA	NA	
A016516_01	NA		-0.879	-0.223	-0.249	0.34	0.28	0.621	0.524
A016520_01	NA	NA		0.082	-0.197	1.257	1.527	0.238	0.372
A016536_01		0.7 NA		0.265	0.237	0.955	1.07	0.746	0.895
A016553_01		0.789	0.465	-0.166	-0.217	0.112	0.298	0.224	0.352
A016565_01		0.579	0.018	-0.095	-0.084	0.104	0.007	0.057	-0.065
A016567_01	NA	NA		0.048	-0.072 NA	NA		-0.43	-0.541
A016575_01		0.549	0.476	0.163	0.201	0.921	0.787	0.516	0.586
A016578_01		1.554	0.923	-0.561 NA		-0.24	-0.497 NA	NA	

A016580_01		0.539	0.483	-0.018	-0.014	0.391	0.411	0.339	0.34
A016585_01		-1.693	-1.189	0.425	0.354	-0.764	-0.736	-0.579	-0.562
A016586_01		0.648	0.687	0.711	0.6	0.984	0.766	0.432	0.254
A016588_01		1.272	1.238	-1.025	-0.709	-0.765	-0.776	-0.868	-0.857
A016591_01	NA		0.217	0.099	0.045	0.207	0.177	0.11	0.105
A016592_01	NA		-0.03	-0.288	NA	0.375	0.405	0.482	0.564
A016597_01		0.14	0.287	-0.18	-0.058	0.192	-0.023	0.04	0.194
A016605_01		-1.3	-0.543	-0.031	0.018	0.256	0.287	-0.099	0.014
A016612_01		0.513	0.335	0.45	0.297	0.639	0.466	0.336	0.149
A016615_01		1.168	1.306	0.866	0.909	0.212	0.429	0.355	0.509
A016618_01	NA		0.051	0.72	0.551	0.559	0.393	0.061	0.035
A016623_01		0.076	-0.01	-0.009	0.087	-0.126	-0.099	-0.03	0.324
A016625_01		0.153	-0.184	-0.502	-0.513	-0.467	-0.557	-0.198	-0.283
A016628_01		0.383	0.532	0.153	-0.078	1.199	0.936	0.886	0.736
A016631_01		0.256	0.052	-0.038	0.007	-0.129	-0.32	-0.257	-0.141
A016633_01	NA	NA		0.167	-0.019	NA		-0.142	-0.098
A016638_01		-0.115	0.267	0.184	0.2	-0.001	0.037	-0.035	0.067
A016644_01		0.178	0.075	-0.194	-0.429	0.434	0.12	0.355	0.113
A016645_01	NA		0.137	0.281	0.019	0.475	0.207	0.278	0.098
A016649_01		-0.5	NA	0.453	0.285	0.275	0.221	0.283	0.126
A016650_01		0.173	0.132	-0.524	-0.496	0.06	-0.095	-0.261	-0.221
A016651_01		-0.608	-0.234	-0.198	-0.394	0.408	0.245	0.668	0.567
A016652_01		0.195	0.36	0.457	0.291	1.011	0.763	0.65	0.512
A016656_01		0.199	0.281	0.265	0.169	0.391	0.325	0.335	0.239
A016658_01	NA	NA		0.593	0.225	NA		0.026	-0.433
A016661_01	NA	NA		0.36	0.242	-0.317	NA	-0.083	-0.145
A016662_01		-0.674	NA	-0.015	-0.142	-0.464	-0.394	-0.423	-0.357
A016664_01		0.205	-0.006	-0.524	NA	-0.298	-0.446	0.028	0.071
A016665_01	NA	NA		-0.107	-0.116	NA		-0.331	-0.457
A016673_01		-0.386	-0.381	-1.099	-1.051	-0.765	-0.856	-0.847	-1.087
A016676_01		-0.843	NA	-1.44	-1.362	NA		-1.122	NA
A016682_01		0.375	0.535	-0.207	-0.241	0.422	0.224	0.436	0.412
A016696_01		0.35	0.348	0.447	0.164	0.289	0.225	0.447	0.12
A016697_01		0.126	-0.112	0.207	0.034	-0.022	-0.143	0.119	-0.003
A016703_01		0.432	0.332	0.345	0.208	0.511	0.638	0.498	0.455
A016705_01		0.867	0.426	0.471	0.238	-0.112	-0.065	NA	NA
A016715_01		0.351	0.256	-0.076	0.01	-0.006	0.397	0.039	0.154
A016721_01		0.707	0.325	-0.516	NA	-0.369	NA	NA	NA
A016723_01	NA	NA		0.098	-0.101	NA	NA	NA	-0.568
A016728_01		0.404	-0.02	-0.467	-0.621	0.462	0.226	0.474	0.318
A016731_01		0.613	0.766	0.377	0.342	0.731	0.838	0.507	0.555
A016735_01		0.391	0.341	-0.357	-0.276	0.706	0.41	0.388	0.355
A016736_01		0.129	-0.437	NA	NA	-0.311	-0.685	NA	NA
A016738_01		0.634	0.482	0.007	0.004	0.889	0.681	0.685	0.439
A016740_01		-0.73	-0.498	0.47	0.134	0.117	0.025	0.2	-0.101
A016742_01		0.07	0.041	-0.431	-0.347	-0.252	-0.17	-0.145	-0.065
A016750_01		-0.466	NA	0.581	0.363	-0.6	NA	-0.233	-0.161
A016751_01		0.178	0.025	-0.109	-0.06	-0.591	-0.636	-0.386	-0.325
A016752_01		-0.126	-0.084	0.137	-0.106	-0.072	-0.045	0.286	0.02
A016754_01	NA	NA	-1.41	NA	NA	NA	NA	NA	NA
A016756_01		0.301	0.174	0.229	0.173	0.299	0.17	0.193	0.072
A016761_01		-0.2	-0.518	-0.474	-0.316	-1.274	-1.054	-1.276	-1.234
A016762_01		0.976	0.842	0.449	0.358	0.068	0.026	0.042	-0.067
A016767_01		0.824	0.402	-0.166	-0.047	0.076	-0.04	0.019	0.032
A016786_01	NA	NA		0.196	-0.182	NA		0.055	-0.16
A016794_01	NA	NA		0.373	0.186	NA		0.021	NA
A016797_01		0.398	0.432	-0.055	-0.023	0.363	0.322	0.282	0.137
A016803_01		0.109	-0.152	-0.001	NA	-0.161	NA	NA	NA
A016804_01		0.191	0.231	0.346	0.177	0.04	0.053	-0.048	-0.088
A016809_01		-1.244	NA	0.388	0.203	0.263	0.219	0.233	0.064
A016812_01		0.397	0.083	-0.3	-0.19	0.419	0.307	0.235	0.343
A016813_01	NA	NA		-0.227	-0.245	NA		0.373	0.508
A016817_01		-0.147	-0.063	0.403	0.239	-0.089	-0.083	0.004	0.007
A016820_01		-0.397	-0.029	0.01	-0.121	-0.522	-0.525	-0.346	-0.583
A016827_01		-0.046	-0.014	-0.176	-0.228	0.372	0.303	0.153	0.37
A016830_01		-0.844	-0.37	0.212	0.11	0.525	0.47	0.406	0.508
A016832_01		0.837	0.561	0.206	NA	0.282	NA	NA	0.2
A016836_01		0.944	0.822	0.407	0.15	0.482	0.384	0.299	0.276

A016838_01		0.029	0.106	-0.11	-0.007	-0.354	0.047	0.2	0.417
A016839_01		0.211	0.588	0.714	0.486	0.691	0.345	0.169	0.126
A016845_01	NA	NA		0.489	0.413 NA	NA		-0.52	-0.383
A016847_01		0.075	0.028	0.128	-0.167	0.237	0.19	0.042	0.07
A016851_01	NA	NA		0.445	0.429 NA	NA		-0.003	0.042
A016853_01		0.031	0.287	-0.567	-0.25	-0.175	0.159	-0.038	0.056
A016860_01		-0.403 NA		-1.121 NA	NA	NA	NA	NA	NA
A016868_01	NA	NA		0.089	-0.03	0.235 NA		0.567	0.374
A016869_01		-0.293	-0.189	-0.338	-0.373	-0.409	-0.393	-0.226	-0.297
A016873_01		0.369	-0.038	-0.072	-0.206	-0.107	-0.218	-0.038	-0.281
A016875_01		0.08	0.126	0.216	0.014	0.037	-0.127	0.104	0.246
A016880_01		-0.768	-0.499	-0.208	-0.185	-0.253 NA		0.387	0.255
A016883_01		0.546 NA		0.326	0.144 NA	NA	NA		-0.128
A016884_01		-0.28	-0.368	-0.35	-0.344	-0.28	-0.335	0.074	-0.053
A016886_01		-0.179	-0.258 NA		0.309	-0.923	-0.827 NA	NA	
A016888_01		0.798	0.771	0.003	0.009	-0.053 NA		0.088	0.281
A016894_01	NA	NA		0.511	0.22 NA	NA		0.123	-0.221
A016897_01		0.607	0.31	0.124	0.121	0.267	0.328	0.153	0.015
A016898_01		0.505	0.568	0.492	0.504	0.605	0.843	0.653	0.693
A016900_01		0.423	0.021	-0.345	-0.342	-0.363	-0.277	-0.209	-0.268
A016901_01		0.253	-0.088	-0.115	-0.211	0.1	-0.196	0.021	-0.184
A016902_01		0.054	-0.174	-0.055	-0.33	0.242	0.038	0.365	0.219
A016904_01		0.855	0.787	0.332	0.289	0.68	0.6	0.368	0.362
A016905_01	NA	NA		-0.201	-0.196 NA	NA		-0.681	-0.632
A016907_01		0.224	-0.088	-1.009	-0.853	-0.533	-0.678 NA		-0.553
A016909_01		0.28	-0.109	-0.009	0.005	0.259	0.189	0.08	-0.105
A016913_01		-0.299	0.369	0.086	-0.034	-0.146	-0.074	-0.009	-0.127
A016914_01		-0.652	-0.681	-0.231	-0.193	-0.672	-0.726	-0.283	-0.392
A016915_01		0.596	0.347	0.048	-0.092	0.141	0.07	0.106	-0.042
A016922_01		-0.865	-1.325	-1.335	-1.06	-1.397	-1.165	-1.02	-0.833
A016923_01		-0.657	-0.4	-0.133	-0.1	-0.061	-0.217	-0.154	-0.028
A016924_01		-1.414	-1.18	-0.106	-0.105	-1.059	-0.734	-0.448	-0.485
A016925_01		-0.721	0.048	0.268	0.34	0.794	0.51	-0.008	0.081
A016926_01		-0.687	-0.375	-0.165	0.112	-0.294	-0.196	-0.43	-0.157
A016929_01		-0.216	-0.357	-0.225	-0.272	-0.156	-0.543	-0.102	-0.243
A016930_01		0.06	0.469	0.45	0.353	0.25	0.564	0.424	0.518
A016931_01		-0.339	-0.084	-0.333	-0.274	0.434	0.712	0.701	0.943
A016933_01		0.312	0.392	0.028	0.089	-0.032	0.01	0.094	0.136
A016936_01		-0.381	-0.093	-0.038	0.215	-0.659	-0.242	-0.788	-0.323
A016937_01		-1.551	-1.473	0.133	0.038	-0.533	-0.371	-0.289	-0.302
A016941_01		-0.284	-0.1	-0.226	-0.199	-0.226	-0.005	-0.036	-0.051
A016943_01		0.764	0.481	0.232	0.224	0.565	0.375	-0.001	-0.022
A016946_01		-0.345	-0.32	-0.04	-0.029	0.036	0.061	0.071	0.232
A016947_01		-0.067	-0.04	-0.328	-0.432	-0.102	-0.164	0.171	0.07
A016949_01		0.028	0.199	-0.691	-0.52	0.137	0.004	0.554	0.477
A016950_01		-0.747	-0.577	-0.829	-0.809	-0.428	-0.399	-0.21	-0.666
A016951_01		0.914	0.917	-0.07	0.014	0.689	0.548	0.813	1.036
A016952_01		-1.016 NA		-0.11	-0.192	0.095	0.128	0.383	0.238
A016954_01	NA	NA		-0.097 NA	NA	NA		-0.064	0.025
A016955_01		0.637	0.505	0.718	0.403	0.438	0.26	0.291	0.24
A016956_01		-0.455 NA		0.761	0.622	0.303	0.475	0.267	0.188
A016959_01	NA	NA		0.113	0.006 NA	NA		-0.043	-0.262
A016960_01	NA	NA		0.185	-0.057	0.677	0.575	0.776	0.475
A016966_01		-0.503	-0.354	-0.234	-0.172	-0.234	-0.307	-0.288	-0.265
A016967_01	NA		0.548	-0.573	-0.482 NA		0.391	0.276	0.421
A016969_01		0.268	0.416	-0.052	-0.062	0.803	0.686	0.536	0.399
A016971_01	NA	NA		0.625	0.526	1.528	1.328	1.026	1.127
A016976_01		-0.134 NA		-0.178	-0.451	0.291	-0.016	-0.059	-0.511
A016977_01		-0.671	-0.952	-0.49	-0.688	-0.627	-0.674	-0.328	-0.624
A016978_01		-0.328	-0.059	0.199	0.194	0.089	0.165	0.392	0.234
A016979_01		-0.039	-0.429	-0.529	-0.464	-0.519	-0.732	-0.348	-0.178
A016980_01	NA	NA		0.811	0.714	-0.207 NA		-0.567	-0.613
A016984_01		-0.339	-0.358	-0.482	-0.405	-0.267	-0.236	0.097	-0.002
A016987_01		0.046	-0.098	0.13	0.176	-0.023	-0.103	-0.23	-0.194
A016991_01		0.61	0.443	-0.269	-0.277	-0.094	-0.174	0.033	0.11
A016997_01		0.31	0.325	-0.337 NA		0.309	0.177	0.631	0.692
A017000_01		0.142	0.04	0.105	0.001	0.436	0.202	0.263	0.073
A017002_01		-0.517	-0.142	0.143	0.017	0.269	0.154	0.201	0.028

A017003_01		0.692	0.702	0.207	0.42	0.379	0.592	0.195	0.477
A017004_01		-0.155 NA		0.432	0.297	0.117 NA		0.031	-0.097
A017008_01	NA	NA		0.196	0.035 NA	NA		-0.028	-0.049
A017010_01		-1.244	-1.25	-0.503	-0.464	-1.022	-0.992	-0.719	-0.68
A017012_01		-0.142	-0.151	0.243	0.175	0.261	0.044	0.21	-0.001
A017013_01		-0.015	0.085	0.001	0.092	-0.033	0.176	0.177	0.195
A017015_01		-0.816	-0.743	-0.184	-0.126	-1.004	-0.999	-0.605	-0.617
A017016_01		-1.503	-1.554	-1.194	-0.89	-1.403	-1.463	-1.168	-1.018
A017020_01	NA	NA		0.501	0.313	0.419 NA		0.467	0.185
A017021_01		-0.084	-0.025	0.172	-0.044	0.356	-0.174	0.254	0.157
A017022_01		-0.239 NA		-0.324	-0.498	-0.616 NA		-0.43	-0.796
A017024_01		-0.386	-0.146	0.081	-0.004	0.252	0.138	0.338	0.152
A017025_01		0.552 NA		-0.056 NA	NA	NA		-0.082 NA	
A017026_01		-0.939	-0.414	-0.172	-0.086	-0.959	-0.669	-0.675	-0.674
A017028_01		0.141	-0.339	-0.277	-0.299	-0.284	-0.62	-0.228	-0.311
A017031_01		-0.62	-0.548	-0.016	-0.208	-0.247	-0.291	-0.063	-0.162
A017032_01		0.189	0.174	0.244	0.32	-0.001	0.117	-0.172 NA	
A017034_01		0.598	0.559	-0.094	0.067	0.365	0.532	0.307	0.378
A017035_01	NA	NA		0.255 NA		0.619	0.394	0.509	0.568
A017036_01		-0.141	-0.257	0.132	0.05	0.185	0.161	0.119	0.113
A017037_01		-0.745	-0.347	-0.008	-0.043	0.023	-0.101	-0.107	0.051
A017038_01		-2.975	-3.33	-2.91	-2.317	-3.014	-1.818	-2.005	-2.253
A017040_01	NA	NA		0.201	0.245	-0.353 NA		-0.036	0.033
A017041_01		-0.796	-0.288	-0.876	-0.734	-0.563	-0.223	0.089	0.103
A017042_01		-0.441	-0.809	0.517	0.262	-1.041	-1.267	-0.93	-1.204
A017044_01		-1.387	-0.992	0.343	0.344	0.279	0.301	0.482	0.595
A017045_01		-0.072 NA		-0.107	-0.038	0.199	0.066	-0.114	0.165
A017046_01		0.932	0.814	0.429	0.296	0.79	0.606	0.66	0.64
A017048_01		-1.014	-1.065	-0.949	-0.872	-1.2	-1.089	-0.658	-0.756
A017049_01		-0.378	-0.592	-0.675	-0.622	-0.83	-0.928	-0.554	-0.607
A017051_01	NA	NA		0.118	0.127	0.001 NA		-0.022 NA	
A017053_01		-0.434	-0.299	-0.295	-0.189	-0.379	-0.505	-0.062	-0.16
A017056_01	NA	NA		-0.094	-0.028 NA	NA	NA	NA	
A017057_01	NA	NA		0.036	0.05 NA	NA		0.282	0.516
A017059_01		-0.498	0.272	-0.412	-0.219	-0.178	0.52	0.34	0.512
A017063_01		-0.19	-0.491	-0.836	-0.758	-0.894	-0.893	-0.76 NA	
A017064_01		0.418	0.454	0.134	-0.037	0.338	0.278	0.359	0.419
A017068_01		-0.488	-0.04	0.119	0.02	-0.438	-0.16	0.054	-0.148
A017069_01		0.764	0.923	0.334	0.345	0.736	1.155	0.698	1.096
A017071_01		0.436 NA		0.459	0.326 NA	NA		-0.183	-0.212
A017072_01		-2.203	-0.989	0.419	0.348	-0.522	-0.097	0.27	0.194
A017073_01		0.326	0.545	0.177	0.221	0.339	0.527	0.508	0.49
A017075_01		-0.404	-0.17	-0.327	-0.27	-0.444	-0.389	-0.064	-0.117
A017079_01		0.02	0.102	0.094	-0.146	0.062	0.037	0.151	-0.182
A017080_01		-0.162	-0.019	0.074	-0.161	-0.041	-0.064	0.396	0.113
A017083_01		0.115	-0.22	-0.215	-0.367	-0.141	-0.426	-0.353	-0.252
A017087_01		-0.182	-0.029	-0.211	-0.059	-0.459	-0.298	-0.387	-0.4
A017088_01		-1.116	-1.514	-1.128	-1.079	-1.197	-1.428	-0.839	-1.134
A017091_01	NA	NA		0.267	-0.085 NA	NA		-0.105	-0.467
A017092_01		-1.513	-2.208	-1.85	-1.603	-1.923	-1.606	-1.063	-1.399
A017095_01		-0.585 NA		-0.449 NA	NA	NA		-0.671 NA	
A017096_01	NA		-0.462	0.481	0.272 NA		0.123	0.483	0.314
A017098_01		-1.666	-0.59	0.034	0.123	-0.964	-0.107	-0.181	-0.11
A017099_01		-0.824	-0.32	0.287	0.326	-0.007	-0.12	-0.1	-0.101
A017100_01		0.049	0.142	0.408	0.27	0.46	0.238	0.317	0.234
A017108_01	NA	NA		-0.101	-0.108 NA	NA		-0.45	-0.639
A017114_01		-0.115	0.025	-0.2	-0.27	0.213	0.161	0.438	0.412
A017115_01	NA	NA		0.223	0.169 NA	NA		0.062	0.172
A017116_01		-2.01	-1.543	-0.82	-0.606	-0.791	-0.845	-0.684	-0.932
A017117_01		0.213 NA		-1.883	-1.425 NA	NA		-0.881	-0.946
A017120_01		-0.845	-0.194	0.042	0.097	-0.086	0.325	0.277	0.36
A017122_01		0.391	0.575	0.368	0.189	1.085	0.677	0.488	0.407
A017127_01		0.547	0.495	-0.305	-0.092	0.437	0.622	0.323	0.733
A017128_01		0.065	0.29	0.266	0.27	0.653	0.837	0.698	0.671
A017130_01		-1.023	-0.653	0.263	-0.003	-0.578	-0.318	0.04	-0.212
A017135_01		-0.212	0.163	0.17	0.251	0.562	0.654	1.035	1.037
A017138_01		-0.589	-0.117	-0.263	-0.181	0.191	0.03	0.198	0.253
A017139_01		0.174	0.289	-0.542	-0.394	-0.155	0.028	0.186	0.28

A017140_01		0.498	0.445	-0.427	-0.172	0.266	0.53	0.202	0.526
A017142_01		0.042 NA		-0.123	0.004	-0.153	0.055	-0.285	-0.223
A017149_01		0.04	-0.173	-0.309 NA		-0.233	-0.305	-0.336	-0.345
A017151_01	NA	NA		0.512	0.377 NA	NA	NA	NA	
A017153_01	NA	NA		0.878	0.589 NA	NA		0.238	0.196
A017160_01		-0.347	0.369	-0.077	0.036	0.203	0.593	0.475	0.668
A017162_01		0.087	0.304	0.042	0.171	0.185	0.243	0.071	0.208
A017173_01	NA	NA		-0.355 NA	NA	NA	NA	NA	
A017174_01	NA		0.017	0.082	0.135	0.073	0.111	0.056	0.015
A017178_01		0.305	0.357	0.411	0.274	0.42	0.394	0.255	0.374
A017185_01		0.304 NA		-0.587	-0.883	-1.024	-0.796	-0.846	-1.127
A017192_01		0.06	0.081	0.016	0.11	-0.121	0.102	0.118	0.313
A017194_01		-0.308	-0.576	0.287	0.186	-0.622	-0.608	-0.388	-0.654
A017195_01	NA	NA		-1.026	-1.039 NA	NA		-1.877 NA	
A017207_01		-0.908	-0.725	0.257	0.171	-1.024	-0.88	-0.687	-0.727
A017227_01		-0.494	-0.463	-0.129	-0.115	-0.568	-0.558	-0.207	-0.275
A017229_01		0.288	0.002	0.13	0.104	-0.452	-0.649	-0.05	-0.059
A017235_01		0.057	-0.102	0.003	0.158	-0.501	-0.506	-0.612	-0.448
A017240_01		0.27	0.212	0.009	0.032	0.062	0.025	0.098	-0.028
A017247_01		0.59	0.451	0.201 NA		0.68	0.759 NA		1.034
A017250_01		-2.024	-0.999	-0.195	-0.04	-0.664	-0.245	-0.772	-0.416
A017257_01		0.367	0.268	0.088	0.191	0.008	0.062	-0.018	0.16
A017258_01		-0.194	-0.22	0.117	0.003	-0.343	-0.372	-0.265	-0.386
A017259_01		0.102	-0.213	0.225	0.237	-0.609	-0.698	-0.449	-0.479
A017261_01	NA	NA		0.065	-0.071	-0.246	-0.448	-0.16	-0.163
A017265_01		0.214	-0.065	0.188	0.133	0.26	0.182	0.067	-0.144
A017266_01		0.443	0.292	0.254 NA		0.309 NA	NA		0.255
A017267_01		0.031	-0.085	-0.059	-0.127	0.325	0.185	0.271	0.192
A017268_01		0.047	-0.048	-0.256	-0.269	-0.122	-0.166	-0.279	-0.496
A017274_01		-0.459	-0.248	-0.361	-0.412	-0.389	-0.297	-0.27	-0.273
A017277_01		-0.221	0.23	-0.019	0.091	0.65	0.629	0.417	0.541
A017279_01		0.639	0.405	-0.453	-0.534	0.271	0.135	-0.066	-0.35
A017280_01		-0.157	0.016	-0.35	-0.37	0.082	0.062	0.281	0.192
A017284_01		-1.116	-0.835	-0.478	-0.347	0.535	0.867	0.837	0.9
A017285_01		0.239 NA		-0.017	-0.027	-0.185 NA		-0.101	-0.254
A017289_01		-0.144	-0.177	0.233	0.137	0.16	0.082	0.226	-0.018
A017293_01	NA	NA		-0.319	-0.259	-0.649 NA		-0.656	-0.809
A017305_01		0.189	0.287	0.213	0.017	0.878	0.334	0.08	-0.099
A017306_01		-0.309	0.128	0.073	0.11	0.726	0.527	0.503	0.582
A017307_01		-0.229	-0.199	0.506	0.291	-0.251 NA		0.081	0.086
A017308_01	NA	NA		-0.21 NA	NA	NA		0.298 NA	
A017311_01		-0.51	-0.799	-0.187	-0.255	-0.153	-0.346	0.249	0.083
A017312_01		-0.442	-0.245	0.146	0.249	-0.178	-0.226	-0.205	0.031
A017314_01	NA	NA		0.263	0.163 NA	NA		-0.379	-0.428
A017315_01		0.053	0.166	0.535	0.221	0.534	0.308	0.439	0.354
A017316_01		0.138	0.161	0.17	0.044	0.34	0.346	0.211	0.17
A017321_01		-0.092	0.081	-0.141	-0.263	0.009	-0.068	-0.036	-0.027
A017326_01		-0.126	-0.301	-0.401	-0.397	-0.37	-0.189	0.03	0.224
A017327_01	NA	NA		0.103	-0.048 NA		-0.024	0.058	0.108
A017328_01	NA		-0.225	-0.009 NA		0.141	-0.238	0.115	0.024
A017331_01	NA		-0.516	-0.208	-0.269	-0.325	-0.572	-0.443	-0.671
A017335_01		-0.984	-1.275	-0.952	-0.831	0.741	0.352	0.364	0.116
A017340_01		0.794	0.716	0.26	0.133 NA		0.232 NA		0.149
A017341_01		-0.45	-0.286	-0.017	0.023	-0.117	-0.041	0.156	0.195
A017352_01		0.252	0.286	0.272	0.144	0.434	0.369	0.177	0.077
A017353_01		0.099 NA		0.433	0.137	0.265	-0.122	-0.067	-0.346
A017354_01		-0.879	-0.87	0.178	0.078	-0.591	-0.538	-0.446	-0.565
A017360_01		0.165	0.375	0.451	0.353	0.828	0.935	0.629	0.698
A017361_01		0.471	0.396	-0.124 NA		-0.834 NA	NA	NA	
A017363_01		0.143	-0.091	0.413	0.408	-0.388	-0.337	-0.184	-0.161
A017365_01	NA	NA		-0.322 NA	NA	NA	NA		0.272
A017378_01		0.491	0.307	-0.389	-0.201	0.345	0.602	0.39	0.747
A017380_01		-0.063	-0.455 NA	NA		-1.022	-1.308 NA	NA	
A017381_01		0.142	0.088	-0.023	0.039	0.173	0.333	0.113	0.121
A017382_01	NA	NA		0.184	0.131 NA	NA		-0.211	-0.448
A017387_01		-0.432	-0.17	0.43	0.419	0.519	0.518	-0.028	0.146
A017389_01	NA		-0.055	0.217	0.102	0.168	-0.054	0.227	0.056
A017393_01		0.309	0.069	0.45	0.205	0.552	0.73	0.627	0.852

A017394_01		0.896	0.509	-0.371	-0.356	-0.004	0.288	0.261	0.363
A017396_01		0.453	0.235	0.181	0.208	0.142	0.1	0.087	-0.063
A017405_01	NA	NA		0.126	0.147	0.7	0.412	0.578	0.334
A017413_01		-0.213	-0.18	-0.516	-0.342	-0.138	-0.12	0.234	0.231
A017419_01		-0.858	NA	0.418	0.242	0.216	0.415	0.454	0.561
A017421_01		-0.361	NA	-0.187	-0.293	-0.163	NA	0.021	0.011
A017423_01	NA	NA		0.238	-0.089	NA	NA	0.038	-0.477
A017425_01		0.411	NA	0.126	NA	0.569	0.329	0.322	0.362
A017431_01		0.082	0.035	0.258	0.124	0.265	0.003	0.274	0.087
A017433_01	NA	NA		-0.019	-0.091	NA	-0.203	-0.062	-0.289
A017434_01		0.327	0.607	0.112	0.106	0.234	0.353	-0.157	-0.086
A017443_01		0.41	-0.048	-0.114	NA	-0.314	-0.333	NA	NA
A017451_01		-0.106	NA	0.368	0.182	0.527	NA	0.835	0.888
A017452_01		1.364	0.87	-0.682	NA	0.791	0.842	0.641	1.03
A017460_01		1.308	1.12	-0.207	-0.265	-0.169	-0.459	-0.327	-0.432
A017466_01		-0.047	-0.303	-0.565	-0.585	-0.386	-0.599	-0.398	-0.469
A017468_01		0.472	0.404	-0.433	-0.215	0.285	0.522	-0.326	0.011
A017471_01		0.281	0.152	0.159	-0.002	0.28	0.185	0.269	0.255
A017476_01		0.746	NA	NA	NA	0.2	NA	0.134	NA
A017477_01		0.337	0.668	-0.252	-0.055	0.741	0.715	0.466	0.942
A017486_01		0.165	0.068	0.462	0.279	0.263	0.147	0.317	0.15
A017501_01		0.263	0.019	-0.087	NA	-0.096	-0.266	-0.036	-0.081
A017502_01		0.28	0.172	-0.091	-0.088	0.13	-0.002	-0.061	-0.094
A017508_01		0.78	0.444	-0.424	-0.237	0.478	0.149	0.349	0.18
A017513_01		-2.133	-2.631	NA	NA	-1.719	-1.508	-0.285	-0.302
A017517_01	NA	NA		-0.509	-0.369	-0.502	NA	-0.128	-0.025
A017534_01	NA	NA		0.321	0.113	NA	NA	-0.951	NA
A017549_01	NA	NA		-0.144	-0.219	NA	-0.359	-0.235	-0.176
A017558_01	NA	NA		0.368	0.397	NA	NA	-0.374	-0.469
A017559_01		0.137	0.011	-0.254	-0.338	0.216	-0.078	0.129	-0.127
A017562_01		0.424	0.492	0.25	0.204	0.216	0.018	0.137	0.169
A017563_01		-0.39	-0.018	0.153	0.046	0.236	0.246	-0.033	-0.055
A017564_01		0.328	0.082	0.306	0.056	1.298	0.801	0.755	0.496
A017569_01		0.219	0.164	-0.101	-0.211	0.159	0.006	0.102	-0.005
A017570_01	NA	NA		0.34	0.184	0.238	NA	0.186	0.077
A017575_01		0.035	0.169	-0.251	-0.403	0.167	0.206	0.29	0.253
A017580_01		-0.497	-0.274	0.038	-0.194	-0.548	-0.714	NA	-0.364
A017581_01		0.463	0.434	-0.036	0.081	0.327	0.444	0.176	0.277
A017583_01		0.132	0.319	0.203	0.017	-0.066	0.128	0.449	0.446
A017587_01		-0.71	NA	0.009	NA	-0.489	NA	-0.262	NA
A017589_01	NA		-0.825	0.314	0.24	-0.314	-0.149	-0.015	-0.07
A017593_01		-1.551	-1.499	-0.121	-0.099	-0.929	-0.676	-0.326	-0.398
A017595_01		0.072	0.183	0.412	0.222	0.209	0.108	0.305	0.129
A017597_01	NA	NA		-0.017	-0.1	-0.378	-0.487	-0.195	-0.323
A017600_01	NA	NA		-0.389	-0.406	NA	NA	NA	NA
A017604_01		0.157	-0.16	-0.376	-0.425	-0.152	-0.239	-0.253	-0.122
A017612_01	NA	NA		-0.267	-0.217	NA	NA	-0.294	-0.165
A017614_01		-0.215	-0.213	0.068	-0.089	0.327	0.209	0.237	0.029
A017618_01		0.144	0.22	0.304	0.214	-0.077	-0.162	-0.091	-0.252
A017633_01		0.146	0.093	-0.161	-0.077	-0.008	0.222	0.125	0.317
A017635_01	NA	NA		0.495	0.309	NA	NA	-0.102	-0.033
A017636_01	NA	NA		0.118	0.088	0.27	0.102	0.036	-0.005
A017637_01	NA	NA		0.239	0.243	NA	NA	NA	NA
A017640_01		0.693	0.441	0.27	0.201	0.735	0.625	0.243	0.164
A017641_01	NA	NA		0.404	0.299	0.092	0.008	-0.137	-0.059
A017644_01		0.221	0.016	0.24	0.108	0.092	0.077	0.149	-0.091
A017646_01		0.497	0.485	-0.152	-0.207	0.19	0.637	0.262	0.185
A017652_01		-0.273	0.009	0.594	0.59	0.692	0.578	0.209	0.203
A017653_01		0.91	0.667	-0.287	-0.407	NA	0.286	0.226	0.148
A017656_01		0.135	0.22	-0.507	-0.419	0.958	0.832	0.783	0.85
A017657_01		0.073	-0.258	-0.366	-0.163	-1.401	-1.157	-0.875	-0.568
A017659_01		-0.415	-0.646	-0.188	-0.374	-0.786	-0.828	-0.497	-0.634
A017664_01		-1.105	-0.3	0.07	0.245	0.027	0.619	0.234	0.33
A017667_01		0.266	-0.092	-0.665	-0.654	-0.693	-0.768	-0.506	-0.607
A017668_01	NA	NA		0.151	0.088	-0.429	NA	-0.234	-0.174
A017671_01		0.608	0.284	0.489	0.396	0.03	-0.066	-0.04	-0.168
A017672_01		0.864	0.766	-0.043	0.272	0.276	0.53	-0.015	0.47
A017692_01	NA	NA		0.053	-0.079	NA	NA	-0.069	-0.073

A017693_01		0.018	0.206	-0.537	-0.358	-0.18	0.017	-0.139	0.191
A017695_01		1.102	1.042	0.085	0.048	0.572	0.426	0.749	0.754
A017699_01		-0.416	-0.644	-0.36	-0.347	-0.565	-0.48	-0.104	-0.498
A017701_01		-0.943	-1.011	-0.663	-0.579	-1.258	-1.031	-0.818	-0.736
A017703_01		-0.24	-0.074	0.283	0.031	0.355	0.213	0.337	0.079
A017713_01		0.387	0.105	-0.336	-0.246	0.346	0.33	0.456	0.323
A017714_01		-2.288 NA	NA	NA	NA		-1.983	-1.928 NA	
A017715_01		0.101	0.224	-0.344	-0.291	-0.235	-0.009	-0.092	-0.157
A017716_01		0.018	-0.001	-0.328	-0.348	0.064	-0.04	0.057	-0.146
A017718_01	NA	NA		0.284	0.33	-0.142 NA		0.328	0.224
A017726_01	NA	NA		0.577	0.309 NA	NA		0.048	-0.083
A017734_01		0.06	0.287	-0.011	-0.027	0.17	0.174	0.056	0.117
A017737_01		1.232	1.16	0.497	0.211	-1.656	-1.409 NA	NA	
A017740_01		0.48	0.429	0.22 NA		0.656	0.855 NA		0.428
A017742_01		-0.37	-0.486	-0.51	-0.48	-0.666	-0.781	-0.487	-0.482
A017743_01	NA	NA		0.024	-0.045 NA		0.019	-0.09	-0.022
A017746_01		-0.337 NA		-1.221 NA		-0.705 NA	NA		-0.804
A017749_01	NA	NA		0.077 NA	NA	NA	NA	NA	
A017754_01	NA	NA	NA	NA	NA	NA		-0.025 NA	
A017756_01		0.297	0.197	0.016	0.084	0.046	0.137	0.019	0.108
A017757_01		0.476	0.263	-0.291	-0.249	0.323	0.046	0.31	0.224
A017758_01		-0.255	0.318	-0.126	-0.109	-0.6	-0.319	-0.463	-0.333
A017762_01	NA	NA		0.225	0.146	-0.466 NA		-0.188	-0.155
A017764_01	NA	NA		-0.467	-0.344 NA	NA		-0.42 NA	
A017767_01		-0.745	-0.988	-0.586	-0.68	0.387	0.545	0.622	0.589
A017768_01		-1.449	-0.724	-0.18	-0.115	-1.047 NA		-0.443	-0.348
A017769_01		-0.391	-0.114	0.181	0.043	-0.036	0.157	0.302	0.251
A017771_01		0.313	0.209	-0.442	-0.553	0.134	0.141	0.566	0.568
A017777_01	NA	NA		0.031	-0.181	-0.354 NA		-0.247	-0.281
A017779_01		0.131	0.117	0.088	-0.03	0.023	0.016	0.264	0.117
A017782_01	NA	NA		-0.649	-0.849 NA	NA		-0.155	-0.203
A017783_01		0.523	0.467	0.071	0.05	0.741	0.488	0.335	0.086
A017794_01	NA	NA		-0.047	-0.103 NA	NA		-0.339	-0.519
A017798_01		-0.635 NA		0.016	-0.205	0.085	-0.141	-0.029	-0.235
A017799_01		-1.139	-0.57	-0.015	0.026	-0.192	-0.373	0.122	0.049
A017801_01		0.02	-0.265	-0.51	-0.527	-0.051	-0.237	-0.075	-0.003
A017803_01		-1.182	-0.683	0.306	0.203	-0.113	0.019	0.132	0.231
A017807_01		-0.023 NA		-0.223	-0.236	-0.412	-0.476	-0.377	-0.312
A017808_01		-0.591 NA		0.125	0.052	-0.753	-1.1	-0.422	-0.43
A017812_01	NA	NA		-0.222 NA		0.305 NA	NA	NA	
A017813_01		0.508	0.578	-0.645	-0.56	-0.801	-0.705	-0.568	-0.404
A017815_01		-2.381 NA	NA	NA		-2.495	-2.521	-2.531 NA	
A017824_01		0.122	0.628	-0.41	-0.071	-0.181	0.604	0.484	0.808
A017825_01	NA	NA		-0.067	-0.121	-0.002	-0.054	-0.109	0.131
A017835_01		0.501	0.358	0.303	0.39	0.459	0.298	0.032	0.087
A017837_01		-1.041	-0.795	-0.455	-0.417	-0.535	-0.1	-0.917	-0.707
A017839_01		0.177	0	0.298	-0.01	-0.092	-0.033	-0.122	-0.101
A017845_01		-0.259 NA		0.043	-0.03	-0.141	-0.018	-0.166	-0.244
A017848_01		-0.623	-0.809	0.465	0.246	0.299	0.104	0.192	0.055
A017849_01		-0.09 NA		-0.151	-0.332	-0.157	-0.055	-0.12	-0.25
A017850_01	NA	NA	NA	NA	NA	NA		-0.583 NA	
A017852_01		-0.706 NA		0.291	0.126	0.014	0.041	-0.179	-0.087
A017855_01	NA		-0.545	0.642	0.406	0.094	-0.23	-0.136	-0.421
A017856_01		0.581	0.599	-0.088	0.045	0.015	0.327	-0.052	0.231
A017858_01		0.688	0.505	0.217	0.194	0.479	0.359	0.356	0.437
A017859_01		1.03	0.797	-0.408	-0.408	-0.013	-0.1	-0.029	-0.062
A017860_01		-0.228	-0.236	-1.192 NA		-1.015	-1.003	-0.77	-0.945
A017861_01		0.856	0.471	0.208	0.022	0.584	0.298	0.333	0.159
A017863_01		0.317	0.125	-0.014	0.028	0.014	0.229	0.276	0.49
A017866_01		0.662	0.459	0.398 NA		0.357	-0.022 NA	NA	
A017867_01		0.744	0.544	0.34	0.293	0.656	0.804	0.485	0.556
A017868_01	NA	NA		0.203	0.05	0.619	0.517	0.544	0.52
A017869_01		0.427	0.117	-0.356	-0.382	0.068	0.106	0.054	0.022
A017871_01	NA	NA		0.143 NA		0.964 NA	NA		0.881
A017872_01		0.311	0.444	0.091	0.061	0.38	0.602	0.273	0.633
A017873_01		0.45	-0.005	-0.23	-0.303	-0.056	-0.228	-0.242	-0.162
A017874_01		0.566	0.446	-0.088	-0.193	0.385	0.41	0.603	0.582
A017877_01		0.506	0.353	0.265 NA		-0.048	0.25	-0.067	0.271

A017878_01	-0.284	-0.097	0.177	0.088	0.396	0.227	0.328	0.288
A017880_01	0.185	-0.19	-0.431	-0.467	-0.049	-0.303	0.05	-0.209
A017882_01	-0.312	0.048	-0.658	-0.414	-0.169	0.331	0.026	0.238
A017885_01	0.677	0.529	-0.631 NA		-0.303	-0.596 NA	NA	
A017886_01	0.098	0.113	-0.158	-0.131	-0.301	-0.236	-0.263	-0.194
A017887_01	0.281	0.452	0.367	0.138	0.448	0.499	0.481	0.39
A017890_01	-0.64 NA		0.343	0.046	0.14	0.165	0.607	0.58
A017892_01	0.136	0.071	-0.128	-0.192	0.177	0.189	0.277	0.293
A017894_01	-1.106	-1.067	-0.7	-0.606	-1.378	-1.082	-0.906	-0.855
A017897_01 NA	NA		-0.393	-0.504	-0.45	-0.692	-0.561	-0.809
A017899_01 NA	NA		0.263	-0.019 NA	NA		0.156	-0.061
A017900_01 NA	NA		-0.083	-0.07 NA	NA		-0.444	-0.412
A017901_01 NA		0.043	0.159 NA		0.333 NA	NA		0.132
A017902_01	-0.237	0.193	-0.17	-0.143	0.325	0.518	0.176	0.271
A017904_01 NA	NA	NA	NA	NA	NA	-2.194 NA	NA	
A017909_01	0.682	0.369	0	-0.08	0.151	-0.117	-0.114	-0.161
A017913_01 NA		-1.031	0.846	0.717	0.519	0.324	0.132	0.171
A017915_01 NA		-1.03	-0.733 NA	NA	NA	NA	NA	NA
A017916_01 NA	NA		-0.169 NA	NA	NA	NA	NA	NA
A017918_01 NA	NA		0.308	0.214 NA	NA		-0.442	-0.451
A017920_01	0.284	0.317	-0.133	-0.096	0.024	0.207	-0.021	0.227
A017922_01	-0.079	0.116	0.001	-0.291	0.177	0.092	0.305	0.186
A017923_01	-0.268	0.134	0.037	-0.098	0.472	0.543	0.549	0.497
A017924_01	-1.276	-1.507	0.613	0.463	-1.192	-1.201	-0.206	-0.255
A017925_01	0.643	0.556	0.434	0.366	1.028	0.897	0.653	0.708
A017928_01	0.076	-0.145	-0.274	-0.216	-0.151	-0.301	-0.069	0
A017933_01	-0.539	-0.622	0.016	0.011	-0.854	-0.871	-0.062	-0.293
A017934_01	-0.735	-0.213	0.052	-0.013	0.23	0.079	0.257	0.325
A017935_01	-0.198	-0.017	0.302	0.271	0.091	0.125	0.296	0.286
A017936_01	0.33	0.259	-0.185	-0.168	0.599	0.657	0.87	0.86
A017937_01	0.285	0.359	0.141	0.054	0.493	0.473 NA		0.389
A017938_01	0.079	0.232	-0.143	-0.25	0.1	0.085	-0.407	-0.505
A017942_01	-2.183	-3.189	-2.602	-2.367	-2.338	-2.147	-2.072	-2.641
A017945_01	-0.87	-0.336	0.055	0.051	0.126	0.103	0.048	0.025
A017949_01 NA	NA		-0.228	-0.332	0.056 NA		0.101	0.109
A017950_01	0.365	0.192	-0.042	0.029	-0.178	-0.361	-0.24	-0.231
A017951_01	0.098	-0.179	-0.262	-0.346	-0.434	-0.534	-0.124	-0.421
A017952_01	0.51	0.433	0.06	0.153	0.14	0.168	0.2	0.406
A017955_01	-0.291	-0.147	-0.352	-0.156	-0.024	0.153	0.23	0.381
A017957_01	0.203	0.387	0.263	0.193	-0.101	-0.283	-0.138	-0.073
A017962_01	0.299	0.493	-0.214	-0.173	0.211	0.583	0.259	0.443
A017965_01	-1.26	-0.686	-0.121	-0.184	0.054	0.203	0.577	0.392
A017967_01	0.255	0.335	-0.082	0.147	0.274	0.606	-0.017	0.502
A017971_01	-0.265	-0.349	-0.901	-0.725	-0.791	-0.448	-0.642	-0.321
A017972_01	-1.074	-0.514	-0.294	-0.334	-0.742 NA	NA		-0.333
A017974_01	-0.171	0.272	0.404	0.43	0.359	0.435	0.717	0.793
A017975_01	-1.034	-0.341	0.226	0.203	-0.171	0.023	0.046	0.111
A017977_01	0.191	0.384	0.496	0.442	0.593	0.808	0.486	0.607
A017979_01	0.24	0.275	-0.458	-0.395	0.873	1.057	0.73	1.212
A017980_01	0.616	0.561	-0.13	-0.007	0.603	0.816	0.506	0.846
A017982_01	-0.038	0.087	0.439	0.368	0.086	0.167	-0.242	-0.045
A017983_01	0.931	1.021	-0.002	0.055	0.416	0.487	0.163	0.156
A017985_01 NA	NA		0.306	-0.007	-0.434 NA		-0.467	-0.257
A017987_01	0.07	0.281	0.281	0.152	0.001	-0.067	0.008	-0.094
A017991_01	-0.354	-0.053	-0.117	0.03	-0.09	0.009	-0.224	-0.115
A017993_01	0.25	0.589	0.009	0.2	0.443	0.447	0.367	0.582
A017994_01	0.101 NA		-0.275	-0.237 NA	NA		0.16	0.29
A017995_01	0.251	0.492	-0.2	-0.254	-0.218	-0.488	-0.32	-0.452
A017996_01	-0.186	-0.009	0.172	0.128	-0.294	-0.145	-0.082	-0.13
A018000_01	-0.544	-0.427	-0.594	-0.396	-0.441	-0.152	-0.342	0.051
A018004_01	-0.391	-0.191	0.02	-0.137	-0.227	-0.098	0.013	-0.042
A018006_01	-2.496	-3.044	-2.845	-1.845	-2.31	-1.644	-1.889	-2.028
A018011_01	-0.192	-0.24	0.174	0.09	0.005	-0.096	-0.037	-0.063
A018016_01	-0.971	-0.341	-0.091	0.053	-0.35	-0.162	0.02	0.115
A018017_01	-1.011	-0.621	-0.1	0.046	-0.24	-0.152	-0.221	-0.184
A018019_01	-2.412	-2.611	-0.375	-0.081	-2.451	-2.035	-1.338	-1.161
A018022_01	-1.119	-0.597	0.087	0.097	-0.441	-0.252	-0.075	0.024
A018025_01	0.2	0.245	-0.326	-0.277	-0.105	-0.189	-0.244	-0.117

A018028_01	-1.816	-1.714	-0.485	-0.316	-1.546	-1.142	-0.889	-0.942
A018029_01	-0.157	-0.41	0.355	0.19	0.13	0.066	0.074	-0.025
A018032_01	0.636	0.7	-0.014	-0.08	0.771	0.592	1.237	1.131
A018034_01	0.576	0.493	0.137	0.118	0.82	0.755	0.468	0.792
A018038_01	-0.844	-0.453	0.189	0.168	-0.172	0.069	-0.122	-0.17
A018041_01	-1.819 NA		0.296	0.233	-1.549	-1.183	-0.722	-0.959
A018042_01	-0.327	-0.572	-0.321	-0.405	-0.434	-0.466	-0.578	-0.571
A018043_01	-0.278	-0.161	0.209	0.191	0.326	0.38	0.245	0.273
A018046_01	NA	NA	0.318	0.313	-0.339	-0.106	-0.334	-0.272
A018047_01	-0.595	-0.233	0.285	0.315	-0.484	-0.353	-0.17	-0.267
A018048_01	-0.495	-0.348	0.126	0.208	-0.04	0.197	0.075	0.113
A018049_01	-0.196	-0.173	-0.051	0.019	-0.41	-0.475	0.044	0.12
A018052_01	-0.535	-0.015	0.623	0.429	0.401	0.408	0.064	-0.027
A018054_01	0.882	0.683	0.365	0.172	0.631	0.527	0.686	0.626
A018058_01	-0.1	0.081	0.024	-0.09	-0.626	-0.311	-0.199	-0.387
A018060_01	-0.606	-0.447	-0.293	-0.084	-0.179	-0.394	-0.203	-0.366
A018062_01	-0.558 NA		-0.214 NA		0.21 NA		0.295 NA	
A018064_01	-0.006	0.391	0.249	0.144	0.307	0.791	0.734	0.723
A018065_01	-1.049	-0.58	-0.664	-0.508	-0.171	-0.047	-0.256	-0.184
A018066_01	-1.007	0.024	0.347	0.466	0.293	0.768	0.613	0.799
A018067_01	-0.371	-0.139	-0.101	-0.097	-0.559	-0.382	-0.203	-0.365
A018068_01	-0.163	0.031	-0.115	-0.024	0.746	0.84	0.575	0.853
A018069_01	-0.411	-0.293	0.037	0.076	-0.36	-0.474	-0.325	-0.303
A018070_01	NA	NA	0.617	0.396 NA		0.371	0.129	0.008
A018071_01	NA	NA	-0.867	-0.708 NA	NA		-0.676	-1.207
A018072_01	0.297	0.118	-0.183	-0.091	-0.069	0.015	-0.069	0.118
A018074_01	0.308	0.453	0.162	0.28	0.281	0.334	-0.225	-0.104
A018076_01	NA	NA	0.898	0.536 NA	NA		0.327	0.068
A018080_01	0.164	-0.024	0.13	0.24	-0.729	-0.739	-0.407	-0.255
A018081_01	-0.074	-0.424	0.161	-0.086	0.1	-0.004	0.306	0.047
A018085_01	0.64	0.629	0.192 NA		0.417	0.501 NA		0.532
A018088_01	-1.277	-0.721	0.25	0.068	-0.277	-0.169	-0.311	-0.453
A018089_01	-0.501	0.057	0.272	0.113	0.163	0.341	0.346	0.286
A018092_01	-0.172	0.278	-0.054	0.034	0.121	0.288	0.213	0.219
A018093_01	NA	NA	0.278	0.024 NA	NA		-0.091	-0.451
A018097_01	NA	-0.267	-0.7 NA		0.052 NA		-0.189	-0.296
A018098_01	-0.872	-0.474	0.306	0.303	0.661	0.44	0.619	0.725
A018099_01	-0.264	0.014	-0.691	-0.498	0.035	0.009	0.241	0.279
A018100_01	NA	NA	-1.543	-1.216	-0.284	-0.243	-0.718	-0.881
A018101_01	0.698	0.482	0.393	0.293	0.247	0.013	0.026	-0.048
A018102_01	0.364	0.03	-0.536	-0.437	-0.182 NA		0.233	0.221
A018103_01	0.39	0.444	0.222	0.232	0.012	0.374	0.074	0.334
A018104_01	-0.167	-0.369	-0.067	-0.127	-0.366	-0.354	-0.183	-0.231
A018105_01	0.524	0.469	0.513	0.367	0.148	0.293	0.082	0.086
A018106_01	NA	NA	-0.173	-0.274 NA		-0.234	-0.085	-0.271
A018107_01	0.622	0.555	0.217	0.133	0.567	0.422	0.356	0.344
A018108_01	NA	NA	0.369	0.524 NA	NA	NA		0.076
A018110_01	-0.078	-0.086	0.408	0.272	0.517	0.361	0.156	0.167
A018111_01	-0.475	-0.066	0.036	0.007	0.185	0.245	0.277	0.237
A018115_01	-0.096	-0.016	0.274	0.161	0.008	-0.222	-0.091	0.02
A018117_01	0.213	0.124	0.046	0.101	-0.072	-0.193	-0.419	-0.227
A018119_01	-0.629	-0.713	0.014	-0.114	-0.292	-0.314	-0.254	-0.528
A018126_01	0.229	0.214	0.027	-0.083	-0.204	-0.365	-0.003	-0.02
A018128_01	-0.029	0.103	-0.244 NA		0.297	0.23	0.478	0.491
A018135_01	0.195	-0.1	-0.443	-0.456	0.17	-0.183	-0.167	-0.063
A018139_01	0.211	0.491	0.302	0.263	0.386	0.303	0.373	0.509
A018147_01	-0.074	0.124	0.129	0.088	0.427	0.468	0.25	0.162
A018151_01	0.151	0.159	-0.05	-0.023	0.353	0.34	0.223	0.194
A018153_01	0.303 NA		0.521	0.373	0.101 NA		0.173	0.044
A018154_01	0.746	0.614	0.266	0.185	0.27	0.462	0.27	0.339
A018155_01	NA	NA	0.065	-0.026 NA	NA		-0.042	-0.148
A018156_01	0.316	0.326	0.045	0.085	0.716	0.662	0.957	0.923
A018157_01	0.219	0.253	-0.23	-0.173	-0.032	0.319	0.042	0.306
A018159_01	-0.557	-0.222	0.291	0.345	0.694	0.628	0.065	0.291
A018163_01	1.265	0.986	0.512	0.422	0.107	-0.067	0.224	0.371
A018171_01	0.881	0.351	0.334	0.126	0.413	0.226	0.056	0.067
A018174_01	-0.055	-0.322	-0.245	-0.183	-0.195	-0.512	-0.226	-0.352
A018175_01	-0.298	-0.034	0.393	0.409	0.334	0.496	0.115	0.174

A018176_01		0.061 NA		0.102 NA		0.372		0.293 NA		NA	
A018179_01	NA	NA		0.306	0.117 NA	NA			0.18	0.176	
A018182_01		0.565	0.217	-0.248	-0.134	0.288		0.135	-0.129	-0.145	
A018183_01		0.628	0.495	0.25	0.291	0.387		0.399	0.223	0.402	
A018185_01		-0.086	-0.201	0.151	0.075	0.31		0.207	0.076	0.002	
A018189_01		0.704	0.576	0.143	0.405	0.638		0.938	0.644	0.805	
A018193_01	NA	NA		0.231 NA		0.607		0.116	0.459 NA		
A018195_01		0.226	0.367	0.555	0.512	0.015		0.113	-0.049	-0.064	
A018200_01	NA	NA		0.342	0.182	0.472		0.014	0.209	-0.022	
A018204_01	NA	NA		0.108	0.079 NA	NA			-0.282	-0.329	
A018205_01		-0.294	-0.172	0.439	0.165	0.249		0.146	0.326	0.062	
A018206_01		0.438	0.214	0.139	0.031	0.415		0.487	0.275	0.307	
A018207_01		-0.787	-0.454	0.071	0.1	-0.166		-0.036	0.123	0.243	
A018210_01	NA	NA		0.306	0.222	-0.109 NA			-0.287	-0.196	
A018211_01		0.265	-0.119	-0.398	-0.402	-0.007		-0.137	-0.126	-0.138	
A018214_01		-0.368	0.166	0.156	0.248	0.026		0.549	0.364	0.459	
A018216_01		0.427	0.222	0.142 NA		0.322 NA		NA	NA	NA	
A018226_01		0.631 NA		0.24	0.129 NA	NA			0.062 NA	NA	
A018234_01		0.629	0.451	0.317	0.232	0.263 NA		NA	NA	NA	
A018237_01		0.199 NA		-0.739	-0.967	-0.817		-1.164	-0.971	-1.185	
A018239_01		0.49	0.219	-0.258 NA		1.099		0.657	0.723	0.783	
A018240_01		-1.154	-0.729	-0.475	-0.379	-0.332		-0.209	0.339	0.329	
A018241_01		-0.191	-0.212	0.167	0.183	-0.053		-0.19	-0.168	-0.141	
A018242_01	NA	NA		-0.008	-0.149 NA			-0.277	-0.095	-0.373	
A018243_01		-0.098	0.116	0.069	-0.015	0.216		0.004	-0.171	-0.169	
A018248_01	NA	NA		0.154	0.101 NA	NA			0.008	-0.146	
A018249_01	NA	NA		0.741	0.338 NA	NA			-0.067	-0.248	
A018251_01	NA		-0.9 NA	NA	NA	NA		NA	NA	NA	
A018253_01	NA	NA		0.463	0.237	0.133		0.26	0.196	0.097	
A018254_01		-0.422	-0.605	0.233	0.095	-0.27		-0.338	-0.12	-0.178	
A018256_01	NA	NA		-0.159	-0.151	-0.465 NA			-0.132	-0.347	
A018258_01		0.517	0.515	0.102	0.094	0.244		0.193	0.238	0.335	
A018259_01		0.705	0.866	0.318	0.257	1.383		0.949	1.003	0.936	
A018264_01		0.287	0.023	0.263	0.133	0.279		0.328	0.152	0.114	
A018266_01		-0.764	-0.22	0.004	-0.042	0.4		0.297	0.361	0.3	
A018267_01		0.087	0.309	-0.09	0.048	0.029		0.397	0.036	0.194	
A018269_01		-0.574	-0.759	-0.562	-0.505	-0.473		-0.427	-0.268	-0.503	
A018270_01		0.879	0.788	-0.009	0.062	0.77		0.797	0.703	0.896	
A018272_01		0.79	0.446	0.098	0.032	0.767		0.826	0.536	0.595	
A018273_01		-0.998	-0.659	-0.208	-0.074	-0.046		-0.183	-0.277	-0.287	
A018276_01		0.376	0.099	0	-0.145	-0.185		-0.176	-0.078	-0.178	
A018277_01		-0.719	-0.952	-1.23	-1.062	-0.999		-0.866	-0.879	-0.939	
A018280_01		0.504	0.379	0.242	0.197	0.719		0.534	0.052	0.103	
A018297_01		-1.056	-0.768	-0.144	-0.051	-1.253		-0.925	-0.518	-0.558	
A018300_01		-1.564	-0.679	-0.107	-0.018	-1.572		-1.608	-1.041	-0.999	
A018304_01	NA	NA		-0.043	0.125 NA	NA			-0.113	0.045	
A018307_01		0.124	0.28	-0.087	-0.024	0.56		0.638	0.481	0.463	
A018308_01		-0.395	-0.848	-1.115	-0.923	-0.053		0.188	0.129	0.222	
A018312_01		-0.467 NA		-0.194	-0.183	-0.347		-0.41	-0.098 NA		
A018314_01		0.604	0.469 NA		0.309	0.483		0.265	0.216	0.257	
A018315_01	NA	NA		-0.404	-0.469 NA			-0.092	-0.227	-0.299	
A018319_01		-0.169	-0.1	0.069	0.021	0.465		0.332	0.577	0.509	
A018321_01		0.865	0.363	0.029 NA	NA			-0.218 NA	NA		
A018323_01	NA		0.047	-0.386	-0.192 NA	NA		NA		0.203	
A018330_01		-0.411 NA		-0.002	-0.228	0.248		0.114	0.389	0.216	
A018334_01		-1.406	-0.993	0.53	0.474	-0.004		0.106	-0.022	-0.032	
A018338_01		0.525	0.502	-0.185	-0.124	0.106		0.197	0.319	0.264	
A018340_01	NA	NA		-0.026 NA	NA	NA		NA		0.232	
A018343_01	NA		-0.531	-0.709 NA	NA			-0.612 NA		-0.598	
A018344_01	NA	NA		-0.011	-0.108 NA	NA			-0.092	-0.161	
A018348_01		0.163	0.131	0.109	0.244	0.23		0.242	0.124	0.096	
A018349_01		0.735	0.226	-0.657	-0.602	0.21		-0.03	-0.321	-0.276	
A018354_01		0.788	0.566	-0.227 NA		0.724		0.493	0.584	0.417	
A018355_01		0.384 NA		-0.65	-0.945	0.131		-0.211	-0.059	-0.29	
A018357_01		0.323	0.067	-0.095	-0.178	0.121		0.076	-0.053	0.22	
A018358_01		0.068	0.07	-0.263	-0.126	-0.489		0.002	-0.233	0.167	
A018362_01		0.63	0.281	0.353	0.294 NA	NA		NA	NA	NA	
A018371_01	NA	NA		0.253	0.098	0.3		0.591	0.456	0.601	

A018373_01		0.386	0.333	-0.387	-0.678	0.115	0.016	0.36	0.251
A018377_01		-0.348	-0.14	0.151	-0.12	-0.092	-0.088	0.045	-0.178
A018384_01	NA		0.114	0.133	0.099 NA		0.304	0.38	0.327
A018386_01		0.854	0.24	0.221	0.143 NA		-0.337	0.094	0.204
A018393_01		0.461	0.251	-0.244 NA		-0.132 NA	NA	NA	
A018395_01		-0.814	-0.945	-0.428	-0.371	-0.594	-0.725	-0.288	-0.475
A018397_01	NA		0.089	-0.04	0.093	0.437	0.376	0.269	0.295
A018399_01		-0.19	0.055	-0.02	-0.08	0.049	0.075	0.179	0.162
A018406_01		-0.891	-0.538	0.523	0.243	0.259	0.119 NA		-0.157
A018411_01	NA		0.149	0.005	0.031	0.349	0.212	0.185	0.288
A018412_01		0.381	0.24	0.169	0.242	-0.058	0.264 NA		0.383
A018421_01		-0.07	0.309	-0.458	-0.111	0.233	0.133	-0.054	0.117
A018423_01		0.424	0.416	-0.064	-0.168	0.644	0.517	0.572	0.358
A018426_01		0.612	0.24	0.115	-0.038	0.233	0.021	0.127	0.032
A018427_01		0.091	0.122	0.152	0.078	0.838	0.686	0.435	0.371
A018428_01		-0.437	-0.756	-0.922	-0.86	-0.59	-0.702	-0.287	-0.36
A018432_01		0.267	0.332	-0.102	-0.248	0.406	0.161	0.359	-0.094
A018440_01		0.971	0.6	-0.05	-0.044	0.599	0.521	0.586	0.658
A018442_01		0.533	0.033	-0.03	-0.037	0.501	0.23	0.24	0.093
A018445_01		0.223 NA		-0.036	-0.143	0.077 NA		-0.018 NA	
A018446_01	NA	NA		-0.061	-0.131 NA	NA		0.139	-0.079
A018448_01		-0.892	-0.765	0.381	0.29	-0.271	-0.428	-0.186	-0.457
A018450_01		-1.791	-2.554	-2.431	-1.967	-1.874	-1.474	-1.489	-2.01
A018454_01		0.242	0.178	0.446	0.261	0.275	0.137	0.291	-0.036
A018460_01		0.065	0.177	0.688	0.298	0.625	0.444	0.713	0.611
A018461_01		-0.235	0.271	0.316	0.291	-0.088	0.491	0.125	0.386
A018466_01		0.759	0.41	-0.274	-0.334	0.368	0.156	-0.09 NA	
A018467_01	NA	NA	NA	NA	NA	NA	NA	-1.005 NA	
A018477_01		0.117	0.209	0.26	0.227	0.033	0.277	0.204	0.215
A018480_01		-0.496	-0.121	0.181	0.146	0.085	0.167	0.018	0.174
A018484_01		-0.726	-0.329	0.435	0.422	0.077	0.062	-0.011	-0.045
A018486_01		-0.06	-0.018	0.251	-0.067	0.19	0.037	0.495	0.148
A018488_01		-0.62	-0.454	-0.155	-0.251	-0.569	-0.357	0.024	-0.139
A018497_01		-0.449	-0.312	0.001	0.086	-0.021	0.029	0.072	0.097
A018499_01		-0.293 NA		0.076 NA		0.078 NA		0.178	0.027
A018500_01		0.499	0.285	-0.295	-0.406	0.326	0.087	0.406	0.096
A018501_01		-0.191	0.031	-0.147	-0.195	-0.852 NA		-0.352	-0.289
A018502_01		0.361	-0.002	-0.403	-0.253	-0.128	0.067	-0.256	0.015
A018505_01		-0.618	-0.677	0.373	0.237	-0.038	0.169	-0.03	0.083
A018506_01		-1.154	-0.927	-0.618	-0.413	-0.903	-1.008	-0.721	-0.768
A018510_01		0.606	0.519	0.325	0.22	0.217	0.209	0.321	0.267
A018516_01		0.267	0.334	0.063	0.154	0.661	0.767	0.839	1.157
A018517_01		0.103	0.112	-0.249	-0.061	0.26	0.305	-0.023	-0.079
A018518_01		-0.441 NA		0.375	0.492	0.077 NA		-0.122	-0.117
A018519_01		-0.343	0.076	0.349	0.362	0.067	0.171	-0.012	0.024
A018520_01	NA	NA		0.129	0.07 NA	NA		-0.581	-0.718
A018522_01		-0.167	-0.23	0.285	0.224	-0.383	-0.334	-0.138	-0.283
A018523_01		0.253	0.101	-0.048 NA		0.148	0.037	0.193	0.343
A018528_01	NA	NA		0.28	0.081	0.505	0.306 NA		0.23
A018530_01		0.496	0.003 NA	NA		-0.279	-0.405 NA	NA	
A018531_01	NA	NA		0.467	0.276 NA	NA		0.27	0.138
A018533_01		0.429	-0.077	0.364	0.293	0.237	0.084	-0.15	-0.082
A018536_01		-0.032	0.146	0.072 NA		0.215 NA	NA	NA	
A018545_01		0.305	0.064	-0.078	-0.087	-0.335	-0.334	-0.479	-0.559
A018554_01		0.19	0.334	0.073	0.043	0.521	0.249	0.411	0.318
A018560_01		0.484	0.431	0.162	0.098	-0.076	0.188	0.067	0.026
A018561_01		-0.919	-0.619	0.139	-0.14	-0.067	-0.034	0.391	0.111
A018563_01	NA	NA		0.552	0.156 NA	NA		0.112	-0.199
A018564_01		0.961	0.544	0.506	0.355	0.582	0.165	0.368	0.335
A018566_01	NA	NA		0.408	0.203 NA	NA		-0.085 NA	
A018568_01	NA	NA		-0.239	-0.496 NA	NA		-0.391	-0.568
A018575_01		0.016	-0.055	-0.025	0.011	-0.009	0.023	-0.152	-0.001
A018581_01		0.351	0.354	0.373	0.249	0.584	0.291	0.544	0.523
A018583_01		0.471	0.451	-0.019	-0.083	0.427	0.232	0.133	0.013
A018587_01		0.754	0.368 NA	NA		0.433	0.032	0.325	0.298
A018589_01	NA	NA		-0.429 NA	NA	NA	NA	NA	
A018590_01		-0.877	-0.774	0.237	0.166	0.015 NA		0.173	-0.061
A018591_01		-0.009	-0.005	-0.026	-0.029	0.22	0.217	0.339	0.465

A018598_01	NA	NA		0.428	-0.132	0.736	NA	0.403	NA	
A018600_01		-1.157	-0.93	0.17	0.249	-2.2	-1.727	-1.292		-1.038
A018604_01		-0.652	-0.551	0.182	0.148	-0.482	-0.428	-0.347		-0.306
A018607_01		0.198	0.372	0.959	0.599	-0.489	-0.102	0.293		0.164
A018613_01		1.244	0.863	-0.333	NA	-0.01	-0.372	NA	NA	
A018617_01		0.085	0.282	-0.163		-0.03	-0.008	0.22	0.053	0.149
A018618_01		0.855	0.82	-0.185		-0.125	0.391	0.822	0.517	0.801
A018620_01		0.465	-0.081	-0.308		-0.376	-0.249	-0.528	-0.154	-0.229
A018621_01		-0.118	-0.286	-0.114		-0.19	0.198	-0.038	0.37	0.224
A018625_01		0.314	0.477	0.429		0.316	0.541	0.512	0.542	0.424
A018628_01		0.349	0.341	0.13		0.168	0.633	0.593	0.415	0.366
A018630_01		-0.3	0.063	0.102		-0.04	0.307	0.291	NA	0.123
A018635_01		-0.621	-0.918	-0.578	NA		-0.762	-1.024	-0.765	-1.034
A018637_01		-0.231	0.031	0.282		0.251	0.38	0.363	0.163	0.134
A018638_01		-1.154	-1.204	-0.667		-0.585	-0.891	-0.889	-0.555	-0.653
A018647_01		-0.457	-0.075	-0.197		-0.285	-0.235	-0.229	-0.088	-0.142
A018649_01		-0.546	-0.243	0.039		-0.027	0.081	-0.026	0.021	0.035
A018652_01	NA	NA		0.312	0.252	NA	NA		0.01	-0.063
A018655_01		-0.084	0.367	1.013	0.809	0.743	0.857	0.494		0.437
A018662_01		-0.676	-1.127	-0.398		-0.293	-1.494	-1.53	-0.879	-0.967
A018663_01		0.465	0.213	-0.034		-0.102	0.053	-0.151	-0.039	-0.13
A018665_01		0.269	0.773	-0.596		-0.406	0.287	0.772	0.347	0.687
A018666_01	NA	NA		0.336	0.164	NA	NA		-0.075	-0.331
A018667_01		-0.477	-0.364	0.319		-0.087	0.181	0.042	0.325	-0.142
A018672_01		0.469	0.77	0.409		0.311	0.329	0.05	-0.044	-0.148
A018673_01		-0.68	-0.682	-0.997		-0.702	-0.764	-0.654	-1.378	-1.504
A018675_01	NA	NA		-0.062	-0.054	NA	NA		-0.108	-0.247
A018678_01		0.364	0.273	-0.28		-0.28	-0.022	-0.066	0.089	-0.038
A018682_01		0.353	0.242	-0.005		0.063	0.321	0.372	0.248	0.534
A018686_01	NA	NA		-0.122	-0.207	NA		-0.108	-0.176	-0.316
A018687_01	NA	NA		1.298	0.899	-0.515	NA		-0.219	NA
A018688_01		-0.003	0.324	-0.231		-0.088	0.01	0.546	0.472	0.751
A018694_01	NA	NA		0.152	-0.151	NA	NA	NA		-0.909
A018696_01		-0.406	-0.153	0.042		0.022	0.082	0.187	0.316	0.275
A018699_01		-0.545	-0.208	-0.164		-0.235	0.561	0.575	0.683	0.629
A018707_01		-0.227	-0.284	0.17		0.072	0.057	0.08	0.001	-0.1
A018708_01		-0.052	0.227	-0.296		-0.091	0.009	0.393	0.036	0.318
A018709_01		0.186	0.414	0.163		0.263	1.207	1.153	1.089	1.157
A018710_01		0.373	0.123	0.197		0.096	0.268	-0.066	0.087	-0.146
A018711_01	NA		-1.218	-1.186		-1.103	-0.751	-0.916	-0.713	-0.777
A018712_01		-1.197	-0.739	-0.004		0.011	-0.621	-0.228	-0.136	-0.163
A018714_01		0.39	0.563	-0.749		-0.448	0.662	0.497	0.178	0.282
A018715_01		0.757	0.657	0.25		0.452	0.901	1.092	0.708	0.79
A018717_01		0.421	0.129	0.004		-0.033	0.135	-0.034	-0.379	-0.342
A018720_01		-0.216	-0.351	-0.047		-0.115	0.24	0.055	0.542	0.512
A018723_01		0.121	0.149	0.082		-0.148	0.605	0.269	0.439	0.269
A018737_01		-1.047	-0.741	0.112		-0.107	-0.179	-0.274	0.217	-0.017
A018742_01		0.134	0.19	0.289		0.237	-0.189	-0.31	0.041	-0.069
A018746_01		0.195	0.439	0.31	NA		0.588	NA	0.38	NA
A018753_01		0.326	0.319	0.509		0.533	0.522	0.44	0.194	0.389
A018758_01		-0.508	-0.161	0.139		0.152	0.207	0.173	-0.048	0.067
A018771_01		0.305	0.306	0.341		0.315	0.226	0.313	0.55	0.489
A018772_01		0.014	0.034	0.202		0.175	-0.243	-0.222	0.009	-0.069
A018774_01		0.467	0.586	-0.689		-0.716	0.157	0.515	0.803	0.805
A018778_01		0.242	-0.013	0.118		-0.006	-0.08	0.003	0.043	-0.135
A018779_01		0.109	0.201	-0.038		-0.279	0.245	0.062	0.571	0.178
A018781_01		0.04	-0.002	-0.231		-0.021	0.182	0.405	0.815	1.418
A018786_01		-0.765	-0.177	-0.032		-0.076	0.306	0.437	0.504	0.478
A018793_01	NA	NA		0.24	0.119	NA		0.161	0.039	-0.095
A018795_01	NA	NA		0.11	-0.067	NA	NA		-0.355	-0.642
A018803_01		-0.222	-0.185	-0.454		-0.395	-0.503	-0.035	0.036	-0.073
A018807_01		-0.303	NA	-0.513		-0.506	-0.302	NA	0.063	0.017
A018809_01		-0.396	-0.248	-0.239		-0.037	-0.33	-0.196	-0.195	-0.034
A018810_01		-0.018	NA	0.179	NA		0.143	NA	0.257	NA
A018812_01		0.328	0.443	0.073		0.074	0.321	0.174	0.177	0.079
A018814_01		0.653	0.649	0.276		0.025	0.748	0.587	0.532	0.326
A018815_01		-0.618	-0.357	0.223		0.073	-0.229	NA	0.024	-0.177
A018816_01		0.381	NA	0.192	NA		-0.41	NA	NA	NA

A018818_01		-0.048	0.095	0.004	0.19	-0.067	0.461	0.35	0.688
A018819_01	NA			0.408	0.1 NA			-0.129	-0.529
A018820_01	NA			0.247	0.11	-0.605 NA		-0.114	-0.293
A018823_01		0.754	0.938	0.513	0.252	0.639	0.499	0.675	0.544
A018826_01		0.404	0.376	-0.246	-0.219	0.199	0.001	0.231	0.257
A018827_01		-0.251	0.16	0.71	0.544	0.886	0.905	0.533	0.512
A018828_01		-0.237	0.166	0.331 NA		0.251	0.035	0.202	0.044
A018832_01		0.107	0.014	0.318	0.126	0.291 NA		0.107 NA	
A018833_01		-0.319	-0.123	-0.581	-0.559	-0.562	-0.566	-0.255	-0.362
A018834_01		0.229	0.251	0.182	-0.001	-0.208	0.016	-0.098	-0.392
A018840_01		-1.077	-0.977	-0.102	-0.083	-1.065	-0.824	-0.413	-0.539
A018841_01		0.263	0.592	0.27	0.435	0.289	0.517	0.253	0.436
A018842_01		-0.597	-0.174	0.126	-0.004	-0.145	-0.266	-0.283	-0.42
A018844_01		-0.634	-0.188	-0.395	-0.297	-0.637	-0.352	-0.305	-0.355
A018848_01		0.4	0.168	-0.221	-0.367	0.028	0.073	0.198	0.13
A018849_01		0.18 NA		-1.321	-1.201	0.298 NA		-1.104 NA	
A018851_01		-0.573	-0.136	0.347	0.247	-0.013	0.05	0.038	-0.156
A018852_01	NA		0.211	0.671	0.499 NA		0.173	0.028	-0.073
A018862_01		-0.583	-0.375	0.032	0.149	-0.478	-0.223	-0.177	-0.12
A018863_01		-0.463	-0.295	0.1	-0.037	0.035	0.06	0.208	-0.113
A018864_01		-0.226	-0.119	0.278	-0.067	-0.049	-0.15	0.485	0.098
A018867_01		0.465	0.316	-0.331	-0.219	-0.001	-0.086	-0.179	-0.017
A018869_01		-2.007 NA		-1.275	-1.103 NA			-1.729	-1.594
A018871_01	NA		0.166	-0.537	-0.634	-0.032	0.069	-0.109	-0.16
A018875_01		-0.579	-0.51	-0.004	-0.011	0.138	0.367	0.035	0.08
A018889_01		0.199	0.118	0.164	0.008	0.031	-0.124	0.117	-0.032
A018891_01		-3.265 NA	NA	NA		-3.23	-2.739 NA	NA	
A018894_01	NA		0.321	-0.181	-0.096 NA		-0.381	-0.335	-0.299
A018896_01		-0.296	0.047	0.167	0.162	-0.086	0.089	0.087	0.204
A018897_01		0.143	0.198	0.329	0.061	0.356	0.351	0.07	-0.056
A018899_01		0.188	0.385	-0.064	-0.152	0.583	0.438	0.726	0.537
A018904_01		0.406	0.261	0.202	0.153	0.179	0.139	0.17	0.203
A018906_01		-1.147	-0.862	-0.086	-0.192	-0.514	-0.424	-0.335	-0.485
A018908_01		-0.454	-0.397	-0.193	-0.393	-0.004	-0.175	0.338	0.066
A018909_01		-0.786	-1.035	-1.07	-0.849	-0.861	-1.051	-0.958	-0.975
A018911_01		-0.576	0.466	0.449	0.345	0.155	0.968	0.701	0.699
A018912_01		-0.521	-0.227	0.049	-0.083	-0.482	-0.331	-0.217	-0.289
A018914_01		0.693	0.301	0.217	0.035	0.56	0.321	0.248	0.242
A018915_01		-0.38	-0.755	-1.384	-1.265	-1.33	-1.152	-0.76	-0.907
A018919_01		-0.333	-0.156	-0.092	-0.201	-0.486	-0.314	0.198	0.129
A018920_01	NA			0.344	0.245	0.194	-0.033	0.049	-0.103
A018921_01		0.173	0.213	0.626 NA		0.671	0.353	0.68 NA	
A018922_01		-0.497	-0.484	-0.642	-0.616	-0.396	-0.28	-0.132	-0.145
A018924_01		-0.222	-0.111	0.305	-0.025	-0.357	-0.414	-0.128	-0.446
A018925_01		-0.342	-0.041	0.202	0.364	0.529	0.563	0.305	0.495
A018931_01		-0.129	-0.322	0.086	0.088	-0.953	-1.005	-0.387	-0.483
A018932_01		-0.622	-0.142	-0.481	-0.37	0.137	0.296	0.701	0.651
A018933_01		0.494	0.342	-0.147	-0.067	1.128	0.765	0.88	0.907
A018934_01		-0.689	-0.747	-0.949	-0.646	-0.559	-0.413	-1.115	-1.183
A018935_01		0.781	0.994	-0.296 NA		0.8	0.808	0.955	0.961
A018936_01		0.348	0.286	0.226	0.145	0.2	0.067	-0.048	-0.072
A018937_01		1.23	0.872	0.06	-0.027	1.098	1.037	1.161	1.223
A018942_01		-0.124	0.11	0.758	0.555	0.627	0.428	0.089	0.014
A018949_01		0.28	0.382	0.47	0.292	0.218	0.053	-0.22	-0.479
A018950_01		0.095	0.15	-0.389	-0.281	-0.544	-0.022	-0.049	0.127
A018952_01		0.07	0.135	0.056	0.207	-0.048	0.276	0.041	0.345
A018955_01		0.036	-0.463	-0.186	-0.312	-0.344	-0.427	-0.178	-0.073
A018959_01		-0.18	-0.155	0.252	0.012	0.156	0.125	0.282	0.057
A018961_01	NA			-0.013 NA		NA		NA	
A018963_01	NA			0.306	0.192 NA			-0.405	-0.531
A018964_01		-0.336	-0.217	0.682	0.381	0.485	0.26	0.088	-0.041
A018970_01		0.384	0.263	0.225	0.185	0.169 NA		NA	
A018973_01		0.357	0.223	0.194	0.068	0.448	0.088	-0.062	-0.127
A018974_01		-0.705	-0.553	0.161	0.032	-0.085	-0.05	-0.056	-0.075
A018975_01		0.856	0.734	-0.571	-0.552	0.62	0.389	0.583	0.455
A018979_01	NA			-0.182	-0.243 NA			-0.217	-0.275
A018982_01		0.43	0.286	0.042	0.018	0.352	0.208	0.411	0.286
A018983_01		-0.525 NA		0.061	-0.328	-0.205	-0.28	0.012	-0.357

A018986_01		0.277	0.49	0.078	-0.003	0.273	0.138 NA		0.192
A018988_01		0.064	0.184	-0.344	-0.254	0.105	-0.002	0.111	0.168
A018991_01		-1.114 NA		-0.029	0.148	-0.704 NA		0.03	0.1
A018992_01		-0.246	-0.137	-0.298	-0.203	-0.074	-0.148	-0.143	-0.203
A018998_01	NA	NA		0.324	0.006 NA		0.128	0.115	-0.252
A019000_01		0.477	0.425	0.277	0.283	0.616	0.412	0.325	0.351
A019002_01		-1.573	-1.58 NA	NA	NA		-1.794 NA	NA	
A019012_01		0.349	0.231	0.153	0.066	0.132	-0.054	0.148	0.068
A019014_01		0.228	0.397	0.422	0.329	0.869	0.783	0.815	0.805
A019017_01	NA	NA		0.283 NA	NA	NA		0.267	0.053
A019021_01		0.476	0.278	0.229	0.032	0.494	0.234	0.373	0.311
A019022_01		-0.198 NA		0.849	0.573	-0.141	-0.311	0.051	0.003
A019026_01	NA	NA		-0.045	-0.342 NA	NA		-0.086	-0.26
A019027_01		-1.738	-1.567	-0.167	-0.437	-1.276	-1.378	-0.486	-0.713
A019032_01		0.259	0.008	-0.462	-0.454	-0.675	-0.598	-0.488	-0.362
A019033_01	NA	NA		-0.277 NA	NA	NA	NA	NA	
A019040_01		0.203	0.128	-0.022	0.016	0.117	-0.126	0.07	-0.053
A019041_01		0.038	-0.101	-0.321	-0.096	-0.907	-0.756	-0.536	-0.124
A019043_01	NA	NA		0.453	0.441 NA		1.173	0.745	0.9
A019046_01		-0.253	0.001	0.775	0.72	0.596	0.672	-0.125	0.06
A019047_01	NA	NA		-0.346	-0.307 NA	NA		-0.384	-0.446
A019049_01		0.217	0.124	0.357	0.085 NA		0.24	0.339	0.136
A019050_01		1.206	0.71	0.297	0.296	0.147	0.13	0.039	0.228
A019053_01		-1.143	-0.683	-0.321	-0.267	-0.534	-0.652	-0.491	-0.478
A019057_01		0.321	0.575	0.213	0.187	0.631	0.54	0.424	0.55
A019059_01		0.734	0.301	0.284	0.055	0.665	0.301	0.217	0.003
A019060_01		-0.16	0.186	-0.06	0.028	0.021	0.185	-0.098	0.117
A019064_01		0.159	0.169	0.279	0.196	-0.387	-0.251	-0.085	-0.192
A019068_01	NA		-0.073	0.235	0.007 NA	NA		-0.129 NA	
A019074_01		0.411 NA		-0.478	-0.522	0.729 NA		0.103	-0.211
A019081_01		-0.465 NA		0.197	0.051 NA		-0.013	0.164	0.126
A019086_01		0.4	0.366	0.325	0.128	0.324	0.557	0.678	0.746
A019089_01	NA	NA		-0.049	-0.05	-0.791 NA	NA		-0.092
A019092_01		-1.068	-0.823	0.121	-0.058	-0.48	-0.43	0.119	0.006
A019094_01		-0.031	0.222	0.426	0.255	0.664	0.577	0.439	0.3
A019098_01		0.308	-0.119	0.026	-0.175	-0.068	-0.368	-0.006	-0.204
A019106_01		0.095	0.013	-0.144	-0.273	-0.213	-0.364	0.014	-0.15
A019110_01		0.266	0.368	-0.22	-0.113	0.057	0.416	0.392	0.671
A019116_01		-0.216	-0.139	0.131	0.018	0.106	-0.064	-0.08	-0.141
A019127_01		-0.373	-0.795	-0.564	-0.613 NA	NA		-0.53	-0.829
A019139_01	NA		0.368	0.297	0.225 NA		0.138	0.545	0.458
A019143_01		0.017	-0.43	0.018	-0.221	-0.389	-0.631	-0.168	-0.517
A019145_01		-1.348	-1.393	-1.309	-1.238	-1.675	-1.481	-0.921	-0.861
A019146_01		0.876	0.28	0.074	-0.354	0.442	0.084	0.423	0.344
A019151_01		-0.052	-0.215	-0.44	-0.632	-0.366	-0.325	-0.158	-0.317
A019155_01		0.684	0.09	-0.235	-0.274	0.037	-0.181	-0.082	-0.176
A019171_01	NA	NA		0.221	0.238 NA	NA		-0.15	-0.041
A019174_01	NA		0.185	0.1	-0.039 NA		0.708	0.789	0.828
A019181_01		0.347	0.009	0.295	-0.07	0.35	0.056	0.206	-0.073
A019186_01	NA	NA		-2.829 NA	NA	NA		-2.152	-2.715
A019187_01	NA		-1.196	-0.4	-0.362 NA		-0.681	-0.286	-0.532
A019188_01		0.375	0.41	-0.123	-0.217	-0.083	-0.34	-0.173	-0.455
A019192_01		-0.822	-0.505	0.098	0.036	0.089	-0.066	0.315	0.21
A019196_01	NA	NA		0.099 NA	NA		0.134	0.045 NA	
A019200_01	NA		-0.258	0.129	0.16 NA	NA		-0.286	-0.109
A019206_01		-0.244	-0.256	-0.121	-0.197	0.246	0.027	0.354	0.202
A019211_01		-0.287	-0.004	0.379	0.322	0.213	-0.001	-0.014	-0.046
A019213_01		0.276	0.809	0.087	0.05	0.039	0.888	0.486	0.539
A019216_01		0.538	0.317	0.107	-0.037	0.53	0.362	0.487	0.56
A019229_01		-0.474	-0.33	0.194	0.412	0.079	-0.095	-0.212	-0.14
A019231_01		-0.086	-0.124	0.337 NA		-0.251	-0.341	0.191 NA	
A019244_01	NA	NA		-0.202	-0.107 NA		0.016	-0.077	0.065
A019247_01		0.626	0.407	-0.176	-0.083	-0.009	0.152	-0.407	-0.261
A019249_01		-0.439	0.036	0.322	0.299	-0.04	0.252	0.023	-0.009
A019252_01		0.47	0.681	0.016	0.237	0.231	0.696	0.096	0.485
A019253_01		0.287	0.183	0.002	0.114	0.222	0.102	-0.036	-0.045
A019255_01		-0.223 NA		0.459	0.395	0.267 NA		-0.073	-0.189
A019261_01		-0.714	-0.753	-0.278	-0.434	-0.739	-0.9	-0.351	-0.59

A019274_01	NA		-0.126	0.272	0.217 NA		0.92	0.725	0.678
A019281_01		-0.771	-0.631	-0.029	-0.164	-0.065	-0.051	0.167	-0.092
A019289_01		0.038	0.065	0.185	0.1	-0.095	-0.156	-0.099	-0.278
A019291_01		-0.281	0.027	0.063	0.171	-0.171	-0.468	-0.168	-0.319
A019293_01	NA	NA		0.111	-0.008 NA	NA		0.112	0.044
A019301_01		-0.996 NA		0.337	0.295	0.229	0.053	0.062	0.097
A019303_01	NA	NA		0.291	-0.096 NA		0.125	0.134	-0.045
A019305_01		-1.626	-1.845 NA	NA		-1.773	-2.088	-2.356 NA	
A019308_01		-0.412	-0.086	-1.067	-0.722	-0.293	0.085	-0.038	-0.081
A019312_01	NA		-0.185	0.306	0.348	0.274	0.245	0.24	0.158
A019318_01		-0.12	0.084	0.49	0.412	0.293	0.263	0.091	0.052
A019324_01	NA		-0.937	-0.332	-0.371 NA		-1.278	-0.974	-1.111
A019325_01		-0.197	-0.189	-0.288	-0.237	0.171	0.215	0.113	0.061
A019326_01		0.461	0.381	0.255	0.024	0.207	0.004	-0.012	-0.06
A019328_01	NA		0.714	0.182	0.157	0.628	0.632	0.275	0.469
A019330_01		-0.713	-0.648	-0.043	0.074	-0.565	-0.581	-0.513	-0.614
A019331_01		-0.11	0.43	0.435	0.365	1.082	0.878	1.036	0.998
A019336_01		-1.113	-0.626	0.223	0.225	0.183	0.15	-0.046	-0.099
A019338_01		0.15	0.1	0.358	0.293	0.097 NA		0.152	0.136
A019340_01		0.042	-0.148	0.045	0.047	-0.204	-0.236	-0.193	0.061
A019343_01		-0.11	0.012	-0.155	-0.157	-0.158	-0.12	-0.057	-0.286
A019353_01	NA	NA		0.607	0.083 NA	NA		0.126	-0.138
A019356_01	NA	NA		0.579	0.348	0.795 NA		0.66	0.468
A019358_01		-0.003	-0.059	-0.591	-0.694	-0.222	-0.163	-0.018	-0.147
A019361_01		-1.015	-0.449	-0.137	-0.159	0.338	0.34	0.624	0.468
A019367_01		-0.482	-0.282	0.039	-0.001	0.158	0.083	0.3	0.163
A019372_01		0.475	0.37	0.073	-0.042	0.202	0.37	0.28	0.089
A019383_01		0.136	0.251	-0.008	-0.105	0.327	0.417	0.277	0.266
A019387_01		-0.173	-0.16	0.085	-0.042	0.151	0.162	0.056	0.074
A019395_01		0.055	0.027	0.187	0.124	0.774	0.316	0.656	0.685
A019398_01	NA		-1.42	-0.228	-0.303	-0.973	-0.868	-0.386	-0.586
A019400_01	NA		-0.224	0.297	0.249 NA		-0.189	-0.514	-0.331
A019403_01	NA	NA		-0.327	-0.262	0.297 NA		0.434	0.41
A019407_01		-0.075	0.08	0.311	0.362	-0.044	0.022	0.411	0.514
A019411_01		0.782	0.727	0.017	-0.032	0.545	0.304	0.263	0.366
A019414_01		0.666	0.399	0.253	0.226	0.356	0.298	0.471	0.404
A019419_01		-0.477 NA		0.231	0.275	0.494	0.14	0.046	0.1
A019423_01		0.669	0.526	0.318	0.251	0.742	0.571	0.706	0.6
A019424_01	NA	NA		0.182	0.058	1.105	0.767	0.564	0.662
A019425_01		0.064	0.114	-0.993	-0.751	-0.076	-0.046	-0.023	0.234
A019428_01	NA		-0.498	-0.425	-0.554 NA		-0.403	-0.137	-0.258
A019429_01		0.723	0.543	-0.838 NA		0.583	0.714	0.868	1.13
A019431_01		-0.209	-0.305	0.441	0.303	0.031	-0.246	-0.275	-0.501
A019436_01		-0.156	-0.144	-0.325	-0.154	0.039	0.238	0.101	0.46
A019438_01		-0.702	-0.282	0.262	0.155	-0.153	-0.236	0.113	-0.037
A019442_01	NA	NA		-0.057	-0.385 NA	NA	NA	NA	NA
A019443_01		0.457	0.103	-0.039	-0.148	-0.02	-0.235	-0.05	-0.005
A019444_01		0.406	0.753	-0.148	0.047	0.282	0.86	0.411	0.92
A019445_01		-0.071	0.031	0.644	0.41	0.007	0.088	0.061	-0.126
A019447_01		-0.112 NA		-0.938 NA		-0.659	-0.43	-0.339 NA	
A019451_01		1.432	1.453	-0.779	-0.525	-0.191	0.288	-0.005	0.379
A019456_01	NA		0.27	0.26	0.241 NA		0.29	0.086	0.191
A019457_01		0.398	0.418	0.287	0.305	0.429	0.67	0.679	0.852
A019458_01		0.803	0.524	-0.33	-0.325	-0.066	-0.2	-0.028	-0.106
A019460_01		0.139	0.171	0.428	0.241	0.276	0.266	0.426	0.347
A019461_01		-0.233	-0.227	0.194	0.257	-0.551	-0.311	-0.504	-0.434
A019465_01	NA	NA		0.156	0.011 NA	NA		-0.021	-0.224
A019466_01		-0.766	-0.318	0.355	0.326	0.432	0.404	0.147	0.245
A019469_01		-0.901	-0.816	-0.545	-0.359	-0.69	-0.641	-0.742	-0.647
A019472_01		0.825	1.141	0.397	0.476	0.794	1.438	1.33	1.831
A019474_01		0.438	0.621	0.265	0.274	0.594	0.677	0.869	0.981
A019475_01		-0.187	0.048	-0.559	-0.466	-0.149	-0.469	-0.021	-0.012
A019480_01		-0.794	-0.905	-0.526	-0.471	-1.061	-1.085	-0.585	-0.713
A019485_01		-1.219	-1.169	-0.143 NA		-1.102	-1.11 NA	NA	
A019491_01		0.185	-0.029	-1.083	-0.713	-0.998	-1	-0.767	-0.49
A019493_01	NA	NA		-0.214	-0.289 NA	NA		-0.118 NA	
A019495_01	NA	NA		0.248	0.132 NA	NA		0.089	0.216
A019496_01		-0.168	-0.446	-1.12	-0.718	-0.724	-0.536	-0.914	-0.793

A019497_01		0.204	0.097	-0.164	-0.172	0.412	0.281	0.258	0.382
A019500_01	NA	NA		0.166	0.121 NA	NA		-0.061	-0.107
A019502_01		-0.389	-0.288	-0.135	-0.078	-0.413	-0.406	-0.066	-0.168
A019505_01		-0.361	-0.355	-0.037	-0.155	-0.236	-0.38	0.025	-0.211
A019510_01		0.363	0.602	0.068	0.177	-0.122	0.289	0.284	0.371
A019513_01		-0.783	-0.715	0.179	0.029	0.934	0.372	0.787	0.513
A019514_01		0.337	0.087	-0.199	-0.037	0.108	0.109	-0.01	0.144
A019515_01		0.259	0.47	0.253	0.188	0.609	0.759	0.622	0.758
A019517_01	NA	NA		-0.603	-0.439	-0.451	-0.472	-0.424	-0.662
A019520_01		0.832	0.467	0.363 NA		0.811	0.877	1.039	1.076
A019521_01		-0.451	-0.565	0.118	0.125	-0.473	-0.453	-0.261	-0.29
A019524_01		0.917	0.518	-0.297 NA		0.559	0.417	0.676	0.776
A019525_01	NA		-0.452	0.044	-0.104 NA		-0.262	-0.122	-0.181
A019526_01		0.599	0.402	0.456	0.255	0.545	0.271	0.129	-0.049
A019531_01	NA	NA		-0.768	-0.735 NA		0.29	0.276	0.198
A019532_01		0.657	0.823	-0.391	-0.358 NA		0.663	0.686	0.563
A019537_01		0.899	0.79	0.015 NA		0.645	0.397	0.237	0.381
A019538_01		-0.463	-0.776 NA	NA		-2.151	-1.964 NA	NA	
A019543_01		-0.062	-0.31	-1.199	-0.929	-0.349	-0.342	-1.228	-1.225
A019544_01		-1.006	-0.667	-0.031	-0.137	0.026	0.122	0.006	-0.061
A019556_01	NA	NA		0.243	0.298 NA	NA		0.207	0.203
A019557_01	NA		0.218	-0.238	-0.007 NA		0.05	-0.057	0.049
A019559_01		0.574	0.219	0.44	0.176	0.406	0.328	0.742	0.502
A019560_01		0.68	0.454	0.604	0.45	0.825	0.626	0.552	0.519
A019562_01		-1.25	-2.387 NA	NA		-1.767	-1.717	-1.672 NA	
A019566_01		-0.724	-1.106	-0.998	-1.054	-1.164	-1.184	-0.899	-1.002
A019568_01		0.981	0.543	-0.115	-0.117	0.125	0.259	0.099	0.19
A019571_01		0.374	0.401	-0.24	-0.237	0.099	0.24	0.204	0.438
A019572_01		-0.168	0.172	0.179	0.233	0.807	0.626	0.306	0.334
A019573_01		0.663	0.411	0.052 NA		0.316	0.276 NA	NA	
A019575_01		-0.316	-0.023	0.028	-0.081	-0.435	-0.269	-0.342	-0.575
A019576_01		-0.184 NA		0.463	0.349	1.04 NA		0.64	0.758
A019578_01		0.966	0.651	-0.27	-0.172	1.428	1.319	0.574	0.878
A019579_01	NA	NA		-0.125	-0.322 NA		-0.135	0.287	0.231
A019580_01		-0.747	-0.925	-0.247	-0.298	-0.834	-0.796	-0.368	-0.488
A019582_01	NA		-0.022	0.204	-0.135 NA	NA		0.047 NA	
A019583_01		0.473	0.511	0.108	0.07	0.796	0.536	0.431	0.287
A019584_01		0.554	0.314	-0.285	-0.199	0.656	0.645	0.587	0.926
A019585_01		-0.007	-0.274	0.451	0.231	0.585	0.181	0.428	0.209
A019587_01		-0.676	-0.755	-1.743	-1.672	-0.511	-0.542	-0.771 NA	
A019589_01		0.349	0.314	0.213	-0.026	0.479	0.078	0.246	0.154
A019590_01		0.022	-0.035	0.104	0.173	0.276	0.106	0.169	0.108
A019591_01		-0.73	-1.055	-1.641	-1.321	-1.8	-1.752	-1.468	-1.801
A019592_01		0.839	0.591	-0.057	0.169	0.346	0.294	0.403	0.672
A019597_01		-0.042	-0.143	0.019	0.12	-0.113	-0.133	-0.263	-0.201
A019602_01		0.303	0.018	-0.985 NA		-0.835	-0.9 NA	NA	
A019604_01		-0.838	-0.981	0.332	0.29	-0.295	-0.142	-0.336	-0.18
A019606_01		0.858	0.476	0.124	0.044	0.631	0.623	0.365	0.511
A019608_01		-1.076	-1.154	-1.898	-1.616	-1.622	-1.235	-1.194	-0.979
A019609_01	NA	NA		0.134	-0.071 NA	NA		0.153	0.187
A019611_01		-2.056	-1.06	-0.779	-0.537	-0.446	-0.241	-0.106	0.072
A019612_01		0.124	0.038	0.318	0.185	0.302	0.107	0.144	0.013
A019614_01		0.416	0.171	-0.126	-0.087	0.027	-0.124	-0.049	0.035
A019615_01	NA	NA		0.303	0.236	0.076 NA		0.027 NA	
A019617_01		-0.369	-0.208	0.361	0.101	0.117 NA		0.237	0.045
A019618_01		0.455 NA		-0.112	-0.188	0.355 NA		0.079	0.106
A019619_01		-0.215	-0.158	-0.221	-0.217	-0.317	-0.155	0.079	0.12
A019621_01	NA	NA		0.36	0.121 NA	NA		0.22	0.021
A019625_01		-1.582	-1.465	-0.778	-0.832	-0.528	-0.484	0.015	0.013
A019626_01		-0.86	-0.741	0.089	0.088	-0.688	-0.625	-0.472	-0.383
A019630_01		-0.217 NA		-0.356 NA		-0.53	-1.079	-0.461 NA	
A019632_01		0.284	0.28	-0.031 NA		0.029	-0.089	-0.19	-0.147
A019633_01		0.517	0.167 NA	NA		0.628	0.218	0.534 NA	
A019635_01		-0.354	-0.27	0.001	-0.007	-0.441	-0.3	-0.076	-0.181
A019636_01		0.698	0.825	-0.334	-0.101	0.116	0.961	0.3	0.949
A019638_01		-0.187	-0.075	-0.593	-0.41	-0.492	-0.307	-0.373	-0.309
A019640_01		0.319	-0.378	-0.947 NA	NA	NA	NA	NA	NA
A019641_01		-1.282	-1.691	-0.78	-0.687	-1.209	-1.365	-0.825	-1.028

A019642_01	-0.148	NA	-0.63	-0.597	-0.531	NA	-0.057	0.063
A019645_01	0.732	0.362	-0.058	-0.205	0.362	0.394	0.32	0.326
A019649_01	0.42	-0.105	-0.289	-0.178	-0.205	-0.432	-0.366	-0.127
A019650_01	-0.348	-0.544	0.373	0.289	-0.332	-0.709	-0.297	-0.363
A019654_01	0.808	0.689	-0.405	-0.415	0.311	0.268	0.135	0.155
A019655_01	NA	NA	0.348	0.089	NA	NA	-0.065	0.145
A019659_01	0.03	0.156	-0.034	NA	0.568	NA	0.418	0.341
A019662_01	-0.359	-0.343	0.104	0.082	-0.643	-0.651	-0.414	-0.443
A019663_01	1.089	0.706	0.151	0.101	1.277	0.761	0.28	0.198
A019666_01	0.062	0.158	-1.302	-1.165	-0.823	-0.872	-1.111	-1.146
A019668_01	-0.243	0.058	0.042	-0.01	-0.416	-0.326	0.355	0.281
A019672_01	0.757	0.373	0.173	0.129	0.23	0.087	0.175	0.485
A019674_01	0.041	-0.036	0.418	0.353	0.407	0.181	0.162	0.362
A019675_01	-0.243	0.184	0.052	0.054	0.008	-0.189	0.049	-0.074
A019677_01	0.549	0.177	-0.142	NA	0.05	0.024	0.239	NA
A019678_01	-0.521	-0.919	-1.659	-1.486	-1.021	-0.616	-0.592	0.015
A019679_01	0.201	0.087	0.608	0.35	0.589	0.292	0.283	0.145
A019680_01	-1.934	-2.752	-1.884	-1.761	-2.538	-1.773	-1.474	-1.852
A019681_01	0.156	0.162	-0.14	-0.002	0.112	0.201	0.248	0.157
A019683_01	0.126	-0.006	0.181	0.064	-0.374	-0.584	-0.389	-0.468
A019684_01	-0.12	-0.253	0.135	0.047	-0.925	-0.769	-0.345	-0.369
A019686_01	0.612	0.52	-0.013	-0.099	1.088	0.521	0.514	0.346
A019691_01	0.232	NA	0.04	-0.027	0.074	NA	-0.121	-0.051
A019692_01	1.368	1.389	0.635	0.755	0.417	0.68	0.425	0.612
A019695_01	NA	NA	0.369	0.318	-0.046	-0.166	-0.107	-0.051
A019698_01	0.432	0.599	0.027	0.068	0.665	1.054	0.898	1.01
A019699_01	-0.04	0.247	0.151	0.193	0.402	0.2	0.508	0.382
A019707_01	NA	NA	0.56	0.517	NA	NA	0.079	-0.027
A019710_01	-1.642	-1.768	-0.452	-0.368	-1.265	-1.169	-0.926	-0.928
A019712_01	0.221	0.273	0.372	0.251	0.104	0.011	0.109	-0.067
A019713_01	-1.33	-0.708	0.213	0.223	0.247	0.307	0.285	0.255
A019714_01	0.322	0.182	0.117	0.142	-0.146	0.065	-0.034	0.221
A019718_01	-0.985	-1.233	-2.23	-1.869	-1.338	-1.332	-1.212	-1.461
A019719_01	-0.065	-0.097	0.21	0.123	-0.04	0.059	0	-0.097
A019724_01	0.337	0.537	-0.213	-0.127	0.212	0.25	0.322	0.208
A019725_01	-0.64	NA	-0.321	-0.379	-0.574	NA	-0.318	-0.667
A019726_01	NA	NA	-0.186	NA	NA	NA	NA	NA
A019730_01	0.629	0.293	-0.859	NA	-0.203	-0.247	0.108	NA
A019732_01	0.247	0.152	-0.247	-0.153	-0.19	0.013	0.07	0.353
A019733_01	0.7	0.338	-0.844	-0.745	-0.089	-0.158	-0.289	0.045
A019734_01	NA	NA	-0.237	-0.291	NA	NA	0.108	-0.155
A019738_01	NA	NA	-0.05	-0.003	-0.4	NA	-0.421	-0.387
A019741_01	0.091	-0.024	-0.742	-0.537	-0.807	-0.673	-0.701	-0.45
A019744_01	0.391	0.341	-0.141	-0.273	-0.642	-0.566	-0.531	-0.614
A019745_01	-0.797	NA	-0.957	NA	-0.992	NA	0.521	0.404
A019748_01	NA	NA	-1.744	-1.514	NA	NA	-1.512	-1.666
A019749_01	0.349	0.362	0.201	0.12	0.171	-0.013	0.098	-0.193
A019750_01	NA	NA	-0.248	NA	NA	NA	-0.018	NA
A019751_01	-0.03	0.124	0.506	0.346	0.17	0.198	0.215	0.248
A019754_01	-0.295	-0.095	0.138	-0.024	0.306	0.287	0.315	0.145
A019755_01	1.425	0.929	-0.316	NA	0.607	0.386	0.551	0.54
A019756_01	0.745	0.711	0.047	0.077	0.354	0.6	0.248	0.532
A019758_01	0.397	1.043	-0.209	-0.312	0.669	1.016	1.306	1.212
A019761_01	-1.063	-1.154	-1.413	-1.192	-1.158	-0.96	-0.941	-1.307
A019763_01	NA	-0.549	0.116	0.067	NA	-0.071	-0.37	-0.372
A019766_01	0.261	-0.045	-0.209	-0.057	-0.88	-0.584	-0.456	-0.297
A019768_01	-1.76	-1.029	-0.46	-0.296	-0.213	0.021	0.438	0.724
A019771_01	-0.734	-0.622	-0.449	-0.341	-0.592	-0.634	-0.607	-0.546
A019774_01	0.213	0.398	0.345	0.4	0.365	0.309	0.003	0.069
A019779_01	NA	NA	NA	NA	NA	NA	0.191	NA
A019781_01	-0.336	0.255	0.129	-0.105	1.218	0.715	0.955	0.719
A019783_01	0.416	0.149	-0.303	-0.329	0.137	0.058	0.226	0.076
A019785_01	0.578	0.538	0.385	0.216	0.674	0.565	0.384	0.176
A019791_01	-0.617	-0.208	0.48	0.356	0.324	0.113	0.165	-0.1
A019793_01	0.078	0.015	-0.406	-0.192	-0.49	-0.394	-0.309	-0.327
A019794_01	NA	NA	0.178	-0.002	0.221	NA	0.27	0.311
A019796_01	-0.835	-0.497	-0.14	-0.077	0.062	-0.032	-0.201	-0.151
A019797_01	NA	NA	-0.734	-0.647	NA	NA	0.16	0.25

A019799_01	NA	NA		0.059	0.132	0.838	0.649	0.006	0.119
A019801_01		-0.275	-0.207	0.249	0.304	-0.086	-0.059	-0.232	0.022
A019805_01		0.053	0.116	0.399	0.337	0.041	0.035	0.237	0.148
A019806_01		0.42	0.384	0.004	0.156	0.146	0.128	0.016	0.185
A019810_01		-0.151	0.137	0.421	0.274	0.631	0.364	0.303	0.136
A019812_01		-0.791	-0.378	0.542	0.573	0.686	0.89	0.368	0.467
A019813_01		0.121	-0.163	-0.603	-0.37	-0.3	-0.819	NA	-0.434
A019815_01		-0.103	0.006	0.144	0.161	0.57	0.423	0.598	0.464
A019818_01		0.209	0.022	-0.659	-0.476	-0.702	NA	NA	NA
A019820_01		-0.024	-0.466	0.205	0.026	-0.278	-0.513	-0.238	-0.505
A019822_01		-0.396	-0.352	0.285	0.069	0.336	0.22	0.17	0.156
A019823_01		0.062	0.125	0.03	-0.077	0.081	0.182	0.04	-0.134
A019826_01		-0.391	-0.227	-0.36	-0.317	-0.247	-0.104	0.031	-0.053
A019828_01		0.408	0.015	-0.767	-0.593	-0.314	-0.499	-0.362	-0.655
A019829_01		0.03	0.26	0.158	0.266	-0.368	0.183	-0.019	0.192
A019830_01		0.585	0.172	0.237	0.154	-0.074	-0.082	0.112	-0.107
A019831_01		0.641	0.472	0.593	0.271	0.496	0.425	0.549	0.274
A019834_01		-0.185	-0.148	-0.684	-0.677	-0.546	-0.691	-0.604	-0.809
A019840_01		0.333	-0.08	0.143	0.116	-0.292	-0.244	-0.389	-0.342
A019842_01	NA	NA		0.236	0.146	NA	NA	NA	-0.234
A019843_01		0.328	0.061	-0.203	-0.1	-0.407	-0.424	-0.169	0.055
A019846_01		0.198	0.136	-0.859	-0.633	-0.357	-0.21	-0.046	0.105
A019848_01		0.433	0.632	0.073	0.063	0.438	0.171	0.277	0.297
A019851_01		0.76	0.606	-0.442	-0.66	0.039	0.012	0.271	0.041
A019854_01		0.148	0.049	-1.332	-1.042	-1.144	-0.846	-0.672	-0.285
A019855_01		-1.466	-1.422	-0.365	-0.341	-1.276	-0.803	-0.733	-0.983
A019857_01		-0.509	-0.552	-0.475	-0.345	-0.359	-0.408	-0.567	-0.513
A019858_01		-0.439	-0.768	-0.874	-0.622	-1.172	-0.982	-0.962	-0.978
A019861_01		0.554	0.388	-0.129	0.051	-0.003	0.116	0.009	0.359
A019865_01	NA	NA		0.379	0.256	NA	NA	0.102	-0.09
A019866_01		0.603	0.164	-0.874	-0.741	-0.498	-0.503	-0.434	-0.207
A019870_01		-0.406	-0.174	0.171	0.088	0.023	0.09	0.134	0.022
A019872_01		-0.717	-0.675	-0.508	NA	-0.348	NA	0.034	-0.016
A019874_01		0.424	0.374	0.393	0.445	0.207	0.549	0.208	0.437
A019876_01		-0.688	NA	0.432	0.192	-0.09	0.02	0.093	-0.131
A019877_01	NA		-0.291	0.063	-0.05	-0.165	-0.346	-0.382	-0.533
A019880_01		0.068	0.436	0.014	-0.005	-0.013	0.279	0.571	0.544
A019882_01		-0.608	-0.808	-0.779	-0.544	-0.995	-1.029	-0.714	-0.528
A019885_01		-0.617	-0.724	-0.656	-0.46	-0.808	-0.595	-0.535	-0.392
A019886_01		0.254	-0.029	0.159	0.202	0.314	0.309	-0.017	-0.053
A019887_01		-0.903	-0.958	-0.788	-0.663	-1.132	-0.917	-0.798	-0.681
A019891_01		-0.884	NA	0.158	-0.029	-0.54	NA	0.004	-0.161
A019892_01		0.138	0.326	0.345	0.358	0.545	0.564	0.319	0.389
A019893_01		0.479	1.05	0.05	0.066	0.363	0.298	0.824	0.943
A019894_01		-0.959	-0.025	-0.259	0.034	-0.003	0.396	-0.014	0.553
A019895_01		-0.172	-0.451	-0.509	-0.217	-0.08	-0.223	0.135	0.312
A019897_01		0.179	NA	-0.345	-0.392	0.292	NA	0.22	0.165
A019898_01		0.088	0.309	0.295	0.277	0.047	0.181	0.087	0.124
A019899_01		-0.641	-0.39	0.178	0.088	-0.292	-0.265	-0.2	-0.196
A019900_01		-0.145	-0.073	-0.339	-0.291	0.055	0.09	0.558	0.537
A019901_01		-1.231	-0.561	0.327	0.408	-0.094	0.094	-0.04	0.033
A019904_01		-0.251	-0.305	0.358	0.281	-0.252	-0.401	-0.183	-0.38
A019905_01		-0.444	-0.2	-0.055	-0.101	-0.227	-0.131	0.297	0.147
A019916_01		-0.369	-0.245	-0.589	-0.524	-0.395	-0.201	-0.143	-0.063
A019918_01	NA	NA		-0.115	NA	NA	NA	NA	NA
A019919_01		-0.648	NA	NA	NA	NA	NA	NA	NA
A019923_01		0.371	0.254	0.564	0.264	0.34	0.165	0.162	-0.031
A019926_01		-0.379	-0.164	0.407	0.258	0.784	0.757	0.594	0.528
A019927_01	NA	NA		0.207	NA	NA	NA	NA	NA
A019929_01		0.41	0.361	-0.047	-0.098	-0.027	-0.029	0.097	0.233
A019934_01		-0.666	-0.753	-0.699	-0.639	-0.98	-0.611	-0.458	-0.648
A019935_01		0.09	0.174	-0.051	0.019	0.195	0.097	0.043	0.099
A019936_01		-0.254	-0.615	-0.244	-0.303	-0.676	-0.574	-0.414	-0.6
A019940_01		0.35	0.558	0.246	0.252	0.036	0.321	0.137	0.226
A019941_01		-0.308	-0.061	-0.403	-0.296	-0.603	-0.458	-0.555	-0.594
A019942_01		0.949	1.059	-0.238	-0.279	-0.015	0.136	-0.133	-0.129
A019943_01	NA	NA		0.252	-0.087	NA	NA	0.06	-0.514
A019944_01	NA	NA		-0.25	NA	NA	NA	-0.477	NA

A019946_01		-1.624	-1.613	0.071	-0.041	-0.761	-0.714	-0.464	-0.509
A019947_01		0.186	0.057	-0.143	-0.229	-0.281	-0.249	-0.122	-0.308
A019949_01		0.464	0.454	-0.557	-0.288	-0.178	0.215	0.236	0.614
A019952_01		-0.556	-0.19	-0.764	-0.733	-0.459	-0.438	-0.13	-0.308
A019953_01		0.305	0.682	-0.576	-0.186	-0.093	0.556	-0.117	0.682
A019954_01		0.019	0.094	0.389	0.228	0.378	0.318	0.403	0.248
A019957_01		0.005	-0.143	-0.048	-0.085	0.157	0.227	0.137	0.183
A019958_01		0.386	0.362	0.448	0.076	0.382	0.17	0.355	0.036
A019964_01		1.119	1.121	-0.148	-0.189	0.265	0.413	-0.202	-0.109
A019965_01		-0.592	-0.569	-0.162	0.072	-0.618	-0.551	-0.64	-0.316
A019968_01		0.428	0.01	0.126	NA	-0.156	-0.242	-0.049	0.037
A019969_01		0.498	0.294	0.128	0.093	-0.037	-0.098	0.008	-0.093
A019970_01		0.437	0.417	-0.511	-0.456	0.047	0.126	0.234	0.496
A019971_01		0.483	0.636	-0.191	0.129	0.74	1.356	0.797	1.606
A019972_01	NA	NA		0.494	0.152	NA	NA	-0.157	-0.307
A019973_01		0.035	-0.195	-0.249	-0.317	-0.164	-0.323	-0.105	-0.381
A019975_01		0.765	0.668	0.357	0.3	0.334	0.423	0.496	0.384
A019976_01		0.801	0.899	-0.7	-0.572	-0.447	-0.165	-0.216	0.139
A019977_01		0.633	0.401	-0.207	-0.031	0.425	0.378	0.219	0.337
A019978_01	NA	NA		0.26	0.269	NA	NA	0.058	0.138
A019982_01		-0.826	-0.718	-0.005	-0.08	-0.621	-0.377	-0.202	-0.223
A019983_01		0.407	0.173	-0.041	-0.05	-0.03	-0.063	0.003	-0.055
A019985_01		0.19	0.392	0.371	0.35	0.363	0.392	0.216	0.2
A019987_01		0.599	NA	0.331	0.106	-0.624	NA	0.217	0.156
A019991_01		-0.002	-0.738	-0.65	-0.546	-0.423	-1.1	-0.493	-0.608
A019995_01	NA		0.482	0.393	0.442	0.407	0.794	0.776	0.844
A019997_01		0.25	-0.26	-0.448	-0.43	0.03	-0.314	-0.204	-0.384
A020001_01		-0.86	-0.803	-0.487	-0.042	-1.622	-1.176	-0.996	-0.574
A020005_01		-1.08	-0.697	0.144	-0.018	0.003	-0.106	-0.114	-0.144
A020008_01		0.642	0.615	-0.051	0.108	0.965	1.168	0.762	1.116
A020009_01		0.315	0.559	-0.275	-0.332	0.521	0.631	0.366	0.343
A020012_01		-0.789	-0.804	NA	NA	-0.992	-0.924	NA	NA
A020014_01		-1.369	NA	-1.455	-1.28	-1.306	-1.072	-0.789	NA
A020016_01		-0.821	-0.507	-1.236	-1.191	-1.311	-0.946	-0.92	-0.812
A020017_01		-1.15	-0.306	0.147	0.033	0.223	-0.115	0.288	0.144
A020022_01		0.698	NA	0.464	0.244	1.247	NA	0.915	0.655
A020023_01	NA	NA		0.506	0.316	0.205	0.183	0.017	-0.056
A020025_01		0.21	-0.084	-0.209	-0.154	-0.322	-0.342	-0.116	-0.162
A020031_01		-0.963	-0.548	0.231	0.11	-0.068	-0.052	0.15	-0.071
A020033_01		0.263	0.572	0.205	0.212	0.682	1.212	0.806	0.952
A020035_01		0.51	0.219	-1.158	-0.891	-0.367	-0.74	-1.372	-1.185
A020036_01	NA	NA		0.309	0.234	NA	NA	0.368	0.046
A020037_01		-0.451	-0.358	-0.095	-0.076	-0.605	-0.6	-0.454	-0.429
A020039_01		-0.035	-0.664	-0.929	-0.891	-0.427	NA	-0.681	-0.644
A020041_01		0.233	NA	-0.042	NA	NA	NA	0.162	NA
A020042_01		0.64	0.569	0.379	0.308	0.902	0.655	0.657	0.674
A020043_01	NA	NA		0.379	0.177	0.535	NA	0.266	0.168
A020045_01		0.25	0.559	0.628	0.807	0.086	0.695	0.166	0.418
A020046_01		0.245	0.212	0.367	0.222	0.487	0.52	0.315	0.365
A020047_01		0.071	0.141	0.156	-0.016	-0.061	-0.145	0.247	0.006
A020048_01		0.022	-0.264	-0.23	-0.161	-0.124	-0.448	-0.068	-0.036
A020050_01	NA		-1.305	-0.596	-0.613	NA	NA	NA	NA
A020053_01		0.402	0.71	-0.182	-0.129	0.429	0.678	0.664	0.818
A020054_01		-0.325	-0.155	-0.337	-0.381	-0.332	-0.405	-0.488	-0.63
A020055_01		0.919	0.577	0.136	0.18	0.304	0.291	0.291	0.356
A020056_01		0.677	0.699	0.105	0.049	0.552	0.61	0.437	0.43
A020060_01	NA	NA		0.397	0.411	0.11	NA	0.145	0.108
A020061_01		0.079	0.054	0.075	0.167	-0.207	-0.011	0.113	0.24
A020062_01		0.792	0.863	0.037	0.27	0.447	0.947	0.392	0.977
A020064_01	NA	NA		-0.403	-0.122	NA	NA	-0.019	-0.037
A020065_01		-0.86	-0.469	0.316	0.279	0.64	0.574	0.729	0.677
A020068_01		0.73	0.515	-0.489	-0.602	-0.024	0.254	0.323	0.672
A020070_01		0.057	-0.198	-1.061	-0.774	-0.438	-0.456	-0.633	-0.486
A020071_01		-0.157	-0.18	-1.122	-0.738	-1.527	-1.143	-1.241	-0.718
A020072_01		-0.673	-0.45	-0.482	-0.34	-0.586	-0.527	-0.139	-0.189
A020073_01		0.319	0.264	0.371	0.176	0.244	0.028	0.373	0.056
A020074_01		-0.106	-0.101	0.072	0.132	0.032	0.102	0.003	-0.019
A020075_01	NA	NA		0.142	0.192	NA	NA	-0.258	-0.298

A020076_01	-1.034	-0.695	-0.127	-0.006	-0.707	-0.293	-0.176	-0.14
A020077_01	0.481	0.285	-0.321	-0.147	0.138	0.204	-0.067	0.368
A020078_01	0.419	0.221	-0.161	0.095 NA		0.12 NA	NA	
A020082_01	-0.216	-0.012	0.213	0.056	0.137	0.221	0.161	0.136
A020083_01	1.079	0.811	0.241	0.317	0.277	0.109	0.055	0.274
A020086_01	-0.958	-1.075	-0.64	-0.582	-0.912	-0.668	-0.607	-0.718
A020089_01	0.274	0.286	0.225	0.214	0.545	0.223	0.275	0.301
A020090_01	NA	NA	-0.043	0.06 NA	NA		0.429	0.47
A020091_01	0.192	0.318	0.035	-0.02	0.353	0.346	0.27	0.172
A020092_01	0.313	0.229	-0.6	-0.201	-0.153	-0.046	-0.163	0.202
A020098_01	0.043	0.148	0.53	0.522	0.11	0.055	0.197	0.237
A020099_01	-0.727	-0.32	0.079	0.164	-0.508	-0.234	-0.176	-0.157
A020100_01	0.342	0.231	-0.105	-0.23	0.226	0.122	0.245	0.119
A020101_01	-0.658	-0.281	-0.087	-0.114	-0.649	-0.432	-0.265	-0.484
A020102_01	0.352	0.346	0.103	0.18	0.045	0.197	0.264	0.552
A020103_01	0.776	0.599	-0.182	-0.116	0.836	0.721	0.654	0.599
A020104_01	0.248	-0.092	-0.586	-0.437	-0.158	-0.206	-0.038	-0.049
A020105_01	0.197	0.598	0.359	0.388	0.803	0.98	0.482	0.759
A020107_01	-0.058	-0.033	-0.064	0.052	-0.347	-0.115	-0.263	-0.304
A020109_01	-0.106	0.123	-0.19	-0.105	-0.6	-0.037	-0.058	0.043
A020116_01	0.608	0.641	0.12	0.123	0.415	0.329	0.212	0.113
A020119_01	0.39	0.25	-0.462	-0.547	0.803	0.852	1.06	0.999
A020120_01	-0.526	-0.315	-0.187	-0.151	-0.559	-0.44	-0.086	0.04
A020121_01	0.887	0.581	0.3	0.216	0.564	0.453	0.601	0.459
A020122_01	-0.674	-0.164	0.089	0.168	-0.533	-0.17	0.003	0.038
A020123_01	0.462 NA		0.36	0.285	0.103	0.136	0.093	-0.119
A020125_01	0.951	0.506	0.005	-0.025	0.314	0.204	0.167	0.246
A020126_01	0.268	0.384	0.164	0.2	0.484	0.521	0.265	0.317
A020128_01	0.364	0.121	-0.073	0.023	0.175	0.15	0.223	0.203
A020130_01	NA	NA	-0.026 NA		0.186 NA		-0.043 NA	
A020132_01	0.332	0.316	0.445	0.343	0.182	0.124	0.2	0.275
A020134_01	-0.801 NA		0.071	-0.064	-0.304 NA		-0.097	-0.31
A020135_01	0.808	0.344	0.316	0.069	0.137	-0.208	-0.115	-0.009
A020140_01	0.438	0.303	0.153	0.234	0.027 NA		-0.086	-0.15
A020141_01	0.499	0.221	-0.41	-0.409	0.133	0.096	0.243	0.413
A020144_01	-0.136	-0.087	-0.631	-0.464	-0.208	0.132	0.401	0.458
A020145_01	0.265	0.189	-0.552	-0.369	0.303	0.407	0.487	0.498
A020155_01	-0.522	-0.254	-0.235	-0.165	-0.617	-0.241	-0.182	0.076
A020157_01	0.473	0.366	-0.197 NA		0.782	0.878 NA		0.81
A020160_01	-0.652	-0.208	0.83	0.641	0.795	0.78	0.173	0.245
A020162_01	0.087	0.335	-0.133	-0.064	0.167	0.425	0.442	0.462
A020164_01	0.749 NA		0.212 NA	NA	NA	NA	NA	
A020166_01	-0.054 NA		0.271 NA		0.078	0.082 NA	NA	
A020167_01	0.127	0.379	0.098	0.151	0.013	0.271	0.324	0.267
A020169_01	0.453	0.512	-0.075	-0.047	-0.003	-0.057	0.017	0.119
A020170_01	0.277 NA		-0.566	-0.669	0.332	0.17	0.334	0.432
A020171_01	1.103	0.881	0.119	0.204	-0.385	-0.151	-0.067	0.213
A020172_01	0.304	0.295	0.369	0.289	0.324	0.558	0.284	0.397
A020173_01	0.27	0.419	0.138	0.06	0.178	0.179	0.208	0.254
A020178_01	0.282	-0.148	0.427	-0.006	-0.027	-0.189	0.392	0.191
A020179_01	-0.018	0.128	-0.552	-0.445	0.062	-0.022	0.864	0.776
A020183_01	0.664	0.186	-0.104	-0.24	0.127 NA	NA	NA	
A020186_01	0.863	1.078	0.297	0.203	0.739	0.817	0.52	0.611
A020187_01	1.428	1.498	-0.313	-0.107	-0.434	-0.101	-0.41	-0.122
A020188_01	NA	NA	0.335	0.04 NA	NA		-0.273	-0.578
A020189_01	-0.028	0.275	0.307	0.058	0.449	0.288	0.41	0.399
A020190_01	0.171	0.043	-0.155	-0.245	0.192	0.044	0.186	0.181
A020192_01	0.654	0.565	-0.004	-0.003	0.781	0.594	0.868	0.834
A020195_01	0.378	0.177	0.335	0.22	0.044	0.057	0.112	0.121
A020196_01	0.121	0.151	-0.058	-0.078	0.475	0.458	0.503	0.42
A020197_01	-0.481	-0.641	0.124	0.152	-0.968	-0.97	-0.718	-0.795
A020198_01	NA	NA	-0.021	0.024 NA	NA	NA		-0.373
A020199_01	0.238	0.164	-0.196	-0.013	-0.069	0.236	-0.205	0.222
A020200_01	0.297	0.35	0.605	0.511	0.307	0.248	0.159	0.12
A020203_01	-1.528	-0.85	-0.336	-0.22	-0.901	-0.493	-0.37	-0.276
A020205_01	-0.227	0.123	0.288	0.271	-0.219	0.076	-0.067	-0.072
A020208_01	-0.301	-0.401	0.489	0.345	-0.423	-0.638	-0.312	-0.306
A020210_01	-0.621	-0.245	-0.008	0.003	-0.317	-0.038	-0.064	-0.036

A020211_01		-0.835	-0.036	0.381	0.314	-0.053	0.008	0.006	0.09
A020213_01	NA			-0.279	-0.505	NA	-0.9	-0.431	-0.603
A020214_01		-1.105	-0.419	-0.495	-0.394	-0.397	0	0.162	0.217
A020215_01		-0.639	-0.391	-0.019	-0.017	-0.591	-0.417	-0.355	-0.389
A020216_01		0.456	0.058	-0.673	NA	NA	NA	NA	
A020217_01		-1.517	-2.279	-1.962	-1.771	-1.375	-1.326	-1.173	-1.476
A020219_01	NA			0.069	NA	NA	NA	NA	
A020221_01		-0.617	-0.118	0.38	0.503	-0.137	0.285	-0.024	0.231
A020222_01		-0.207	-0.121	-0.323	-0.24	-1.092	-0.766	-0.551	-0.335
A020225_01		0.299	0.633	0.955	0.67	-0.1	0.391	0.131	0.028
A020226_01		0.601	0.499	0.165	0.036	0.394	0.404	0.487	0.334
A020228_01		-1.37	-0.408	-0.564	-0.493	0.111	0.262	0.302	0.307
A020229_01		0.473	0.142	0.1	-0.041	0.488	0.341	0.516	0.585
A020233_01		0.099	0.413	-0.027	-0.039	-0.044	0.024	0.007	-0.069
A020236_01	NA			0.63	0.324	0.841	0.663	0.433	0.517
A020241_01		0.446	0.489	0.418	0.182	0.57	0.434	0.317	0.415
A020242_01		-2.96	-3.305	0.259	0.253	-2.976	-2.54	-1.883	-2
A020243_01		0.293	0.296	0.497	0.342	0.347	0.36	0.289	0.297
A020245_01	NA			0.07	0.178	NA	NA	NA	-0.358
A020249_01		-0.155	-0.059	-0.159	-0.181	0.204	0.074	-0.084	-0.051
A020250_01		0.101	0.062	0.077	0.114	0.088	-0.24	-0.331	-0.22
A020251_01		0.163	NA	-0.253	-0.286	0.496	0.319	-0.169	-0.058
A020254_01		-1.494	-0.877	-0.003	0.304	-0.738	-0.351	-0.171	-0.08
A020256_01		-0.289	-0.222	0.241	0.202	0.21	0.164	-0.043	0.082
A020257_01		0.12	0.236	-0.28	-0.223	0.387	0.476	0.044	0.207
A020258_01		1.101	1.15	0.489	0.588	-0.085	0.001	0.065	0.194
A020260_01		0.461	0.448	0.369	0.201	0.441	0.375	0.628	0.595
A020264_01		0.554	0.137	-0.019	0.079	-0.149	-0.28	-0.039	0.086
A020265_01		0.512	0.151	-0.667	NA	-0.551	-0.587	-0.75	NA
A020267_01		-0.372	-0.398	-0.089	0.002	-0.554	-0.345	-0.266	-0.122
A020268_01		0.91	0.54	-0.048	-0.096	0.012	0.033	0.201	0.324
A020272_01		-0.214	-0.27	-0.239	-0.221	-0.233	-0.374	-0.296	-0.356
A020273_01		-1.857	-1.439	0.511	0.339	-0.93	-0.394	-0.241	-0.341
A020274_01		-0.392	-0.278	-0.258	-0.082	-0.43	-0.353	-0.509	-0.241
A020281_01		0.1	0.045	-0.034	0.004	0.383	0.244	0.139	0.253
A020283_01	NA			0.225	0.011	NA	NA	-0.064	0.112
A020286_01		-0.162	-0.638	-1.022	-1.036	-0.043	-0.241	0.2	0.43
A020289_01	NA		0.548	0.838	0.641	NA	-0.052	-0.11	-0.014
A020290_01	NA		-0.333	0.684	0.475	0.615	0.289	0.024	0.047
A020291_01		0.311	0.452	-0.144	0.035	-0.446	0.026	0.011	0.278
A020293_01	NA			-0.209	-0.12	-0.197	NA	NA	-0.239
A020294_01		-0.245	0.032	0	-0.003	-0.078	0.013	-0.1	-0.199
A020295_01		0.408	0.197	-0.149	-0.216	-0.293	-0.331	0	0.028
A020296_01		0.341	0.161	-0.147	-0.018	-0.22	-0.227	-0.343	-0.199
A020297_01		0.028	0.231	0.06	0.076	0.56	0.372	0.027	0.149
A020298_01		-0.173	-0.063	0.163	0.206	0.332	0.139	0.1	0.202
A020299_01		-0.922	-0.596	0.288	0.135	-0.184	0.102	-0.099	-0.114
A020300_01		-1.413	-1.452	-0.689	-0.632	-1.344	-1.42	-0.853	-0.931
A020301_01		0.371	0.195	0.213	0.167	0.096	0.16	0.063	0.017
A020303_01		-1.702	-1.455	-0.242	-0.168	-1.311	-0.908	-0.687	-0.662
A020305_01		0.241	0.41	0.105	0.134	-0.134	-0.003	-0.064	-0.078
A020306_01		0.989	0.827	0.154	0.123	0.607	0.566	0.44	0.579
A020308_01		0.354	0.347	-0.362	-0.287	0.185	0.192	0.167	0.379
A020309_01		0.868	0.762	-0.158	NA	0.984	0.772	0.681	0.668
A020311_01		-0.792	-0.35	0.479	0.521	-0.047	-0.074	-0.096	-0.059
A020312_01		0.885	0.507	0.504	0.475	0.633	0.424	0.084	0.144
A020314_01		-2.043	-2.499	NA	NA	-2.256	-2.126	NA	NA
A020317_01		0.746	0.646	-0.232	-0.019	1.013	1.334	0.906	1.219
A020318_01	NA			-0.093	-0.277	NA	NA	-0.073	-0.316
A020319_01		0.221	0.257	0.202	0.286	0.496	0.5	-0.03	0.13
A020320_01		-0.605	-0.207	0.044	0.031	-0.27	0.102	0.011	-0.009
A020321_01		0.428	0.22	-0.125	-0.127	-0.106	0.005	0.242	0.364
A020322_01		-0.404	-0.186	0.42	0.265	-0.26	-0.166	-0.251	-0.301
A020323_01		0.313	0.187	-0.075	-0.117	-0.018	0.061	0.006	0.109
A020324_01		-0.126	NA	0.313	0.233	-0.371	NA	-0.415	-0.318
A020325_01		0.69	NA	0.761	0.368	0.367	0.109	0.349	NA
A020326_01		0.724	0.681	0.089	0.188	0.251	0.415	0.387	0.422
A020327_01		-0.453	-0.527	-0.175	-0.15	-0.379	-0.15	-0.175	-0.03

A020330_01		0.701	NA		-0.291	NA		NA		0.04		0.752
A020331_01	NA			0.09	0.016		0.068	0.333	0.562	0.123		0.317
A020332_01	NA		NA		-0.493	NA		NA		NA		NA
A020333_01		0.384		0.031	-0.242		-0.27	0.142	0.037		-0.1	0.009
A020336_01		0.08	NA		0.381		0.158	0.256	NA		-0.106	-0.179
A020337_01		-0.144		-0.245	0.066		0.004	0.289		-0.01	-0.193	-0.3
A020338_01		0.027		0.18	0.224		0.253	0.462		0.402	0.254	0.308
A020340_01		-0.899		-0.713	-0.76		-0.524	-0.826		-0.641	-0.771	-0.553
A020341_01		0.198		0.301	0.093		0.1	-0.089		0.208	0.313	0.358
A020342_01		0.414		0.193	0.289		0.088	0.404		0.382	0.336	0.282
A020343_01	NA		NA		-0.263		-0.313	NA		NA	-0.425	-0.44
A020344_01		-0.626		-0.305	-0.053		-0.001	0.513		0.396	0.366	0.53
A020345_01		0.866		0.776	0.28		0.277	0.098		0.28	0.423	0.529
A020346_01		0.054		0.102	-0.183		-0.082	-0.32		-0.223	-0.287	-0.037
A020347_01		-0.179		0.207	0.434		0.056	0.468		0.2	0.53	0.451
A020348_01		0.08		0.27	0.242		0.098	-0.081	NA		0.06	-0.051
A020349_01	NA		NA		-0.424		-0.313	NA		-1.466	-1.146	-1.201
A020350_01		-0.845		-0.684	-0.269		-0.104	1.075		1.254	1.092	1.217
A020352_01		0.266		0.571	0.627		0.285	0.097		0.614	0.656	0.51
A020353_01		0.087		0.418	-0.224		-0.038	0.204		0.429	0.36	0.467
A020356_01		-0.704		-0.162	0.437		0.069	-0.567		-0.154	0.004	-0.273
A020360_01		0.769		0.718	-1.145		-0.93	0.713		0.68	0.128	0.27
A020362_01		-0.197		0.011	0.071		0.062	0.482		0.354	0.314	0.424
A020363_01		-1.42		-1.645	-0.141		-0.03	-1.345		-1.051	-0.174	-0.117
A020364_01		-0.426		-0.282	-0.088		-0.145	-0.224		-0.307	-0.285	-0.409
A020367_01		-0.264		-0.07	0.047		-0.067	-0.351		-0.07	-0.136	-0.111
A020368_01		0.566		0.635	-0.09		-0.059	0.602		0.421	0.52	0.47
A020369_01		0.549		0.394	0.031		0.178	0.508		0.532	0.442	0.612
A020370_01		-1.388		-1.053	-0.321		-0.303	-0.524		-0.393	-0.303	-0.309
A020371_01		0.92		1.108	-0.27		-0.05	0.337		0.584	0.326	0.599
A020372_01	NA		NA		0.308		0.145	NA		NA	-0.208	-0.075
A020373_01		0.179		-0.122	-0.417		-0.237	-0.13		-0.148	-0.142	0.183
A020375_01		-0.067		-0.011	-0.226		-0.29	0.44		0.259	0.208	0.079
A020376_01		-0.644		-0.317	0.049		-0.01	-0.009		0.005	0.079	-0.017
A020378_01		0.4		0.112	0.184		0.243	0.147		0.135	-0.017	0.017
A020379_01	NA		NA		0.603		0.158	NA		NA	-0.035	-0.362
A020380_01		-0.258		0.007	0		-0.059	0.166		0.317	0.28	0.123
A020381_01		-1.52		-1.543	-0.639		-0.404	-1.257		-1.055	-1.085	-1.056
A020382_01		0.264		-0.032	-0.447	NA		-0.056		-0.156	NA	NA
A020383_01		0.539		0.355	-0.376		-0.291	-0.089		-0.118	NA	0.015
A020384_01	NA		NA		-0.759		-0.756	-0.332		0.029	-0.34	-0.183
A020385_01		-0.843		-0.505	-0.154		-0.139	-0.85		-0.519	-0.314	-0.442
A020386_01		-0.818		-0.573	0.32		0.302	0.077		0.2	-0.184	-0.177
A020390_01	NA		NA		-1.015		-1.13	NA		NA	-0.141	-0.389
A020392_01		-0.62		-0.193	-0.266		-0.253	-0.57		-0.372	-0.297	-0.442
A020393_01		0.086		0.044	0.191		0.263	-0.083		0.016	-0.521	-0.354
A020394_01		-1.358		-0.991	0.268		0.258	-0.559		-0.301	0.034	0.022
A020395_01		0.463		-0.019	-0.074	NA		-0.147	NA		-0.154	NA
A020396_01		-0.016		-0.025	-0.159		-0.173	0.182		0.332	0.303	0.414
A020399_01		-1.349		-0.823	0.01		-0.045	-0.756		-0.678	-0.393	-0.582
A020400_01		-1.321		-0.919	-0.113		-0.059	-1.088		-0.673	-0.321	-0.541
A020401_01		0.124		0.013	-0.257		-0.289	0.026		-0.011	0.034	0.031
A020403_01		0.679		0.66	-0.584		-0.65	0.474		0.459	0.348	0.413
A020404_01		1.357		1.43	-2.289		-1.816	0.671		0.704	1.966	2.144
A020406_01		-0.59		-0.601	-0.964		-0.677	-0.843		-0.783	-0.597	-0.334
A020410_01		-1.388		-1.153	-1.338		-1.034	-1.307		-1.037	-0.836	-0.863
A020412_01		0.042		0.265	0.077		0.125	0.052		0.184	0.077	0.225
A020413_01		-1.017		-0.662	0.255		0.068	-0.507		-0.191	0.058	-0.127
A020418_01		-0.833		0.053	-0.311		-0.148	0.075		0.121	-0.013	0.05
A020419_01		0.286		0.264	0.041		0.133	0.948		0.599	0.593	0.738
A020420_01		1.151		0.869	0.512		0.35	0.755		0.594	0.105	0.188
A020421_01		0.05		0.347	-0.552		-0.311	-0.211		0.014	-0.217	0.117
A020422_01		0.378		0.264	0.385		0.162	0.007		0.02	0.085	-0.034
A020423_01	NA		NA		0.01		-0.063	NA		NA	-0.656	NA
A020424_01		0.33		0.197	-0.416		-0.45	-0.111		0.162	0.143	0.361
A020425_01	NA		NA		0.397		0.226	NA		NA	0.06	0.041
A020427_01		1.165		0.863	0.237		0.106	0.39		0.58	0.48	0.665
A020428_01		-1.39		-1.248	-0.234		-0.369	-0.898		-0.561	-0.311	-0.436

A020435_01		0.108	0.207	-0.07	-0.013	0.805	0.684	0.395	0.36
A020436_01		-1.767	-1.168	-0.388	-0.248	-1.086	-0.702	-0.494	-0.439
A020437_01		-0.139	0.038	0.06	0.053	-0.015	-0.042	0.084	-0.105
A020438_01		0.562	0.256	0.434	0.253	0.816	0.266	0.103	0.043
A020440_01		-1.119	-1.053	-0.747	-0.503	-0.708	-0.723	-0.455	-0.304
A020441_01		0.411	0.416	-0.008	0.003	0.394	0.628	0.308	0.66
A020442_01	NA		-0.646	0.106	-0.018	0.146	-0.126	-0.07	-0.066
A020443_01		-0.517	-0.2	0.251	0.08	-0.039	-0.128	0.006	-0.166
A020444_01		0.366	0.149	0.04	-0.093	0.409	0.29	0.312	0.141
A020445_01		-0.978	-0.924	0.268	0.263	-0.119	-0.126	-0.165	-0.126
A020446_01		-0.513	-0.16	-0.117	-0.104	0.134	0.179	0.334	0.445
A020452_01		-1.06	-1.14	-1.78	-1.434	-1.323	-1.099	-1.276	-1.343
A020455_01		0.046	0.015	0.002	NA	-0.172	-0.149	0.082	NA
A020460_01		0.301	0.056	NA	NA	-0.084	0.009	NA	-0.186
A020461_01		0.347	0.317	-0.053	-0.109	0.557	0.459	-0.103	-0.24
A020464_01		0.456	0.288	-0.399	-0.228	0.139	0.09	-0.143	0.035
A020467_01		-0.15	-0.132	-0.342	-0.381	-0.323	-0.238	-0.294	-0.09
A020470_01		0.09	-0.055	-0.036	-0.118	-0.275	-0.414	-0.357	-0.338
A020471_01	NA	NA		0.088	0.113	NA	NA	-0.213	-0.231
A020472_01		-1.434	-1.073	-0.227	-0.02	-0.363	-0.549	-0.271	-0.24
A020474_01		0.052	0.024	0.277	0.192	-0.22	-0.185	-0.095	-0.062
A020477_01	NA	NA		0.246	-0.006	NA	NA	-0.107	-0.366
A020478_01	NA	NA		0.124	0.192	NA	NA	NA	NA
A020480_01	NA	NA		0.062	-0.018	NA	0.202	-0.145	-0.127
A020481_01	NA		-0.342	0.019	-0.109	NA	-0.453	-0.295	-0.249
A020482_01		-0.337	-0.032	-0.349	-0.031	0.296	0.187	-0.157	-0.086
A020484_01	NA	NA		0.231	0.243	NA	NA	NA	-0.427
A020486_01		0.535	0.225	-0.152	-0.221	0.48	0.387	0.332	0.312
A020488_01	NA	NA		0.207	0.174	NA	NA	0.155	0.096
A020489_01		0.442	0.471	-0.113	-0.131	0.08	0.062	0.254	0.265
A020490_01	NA	NA		-0.063	-0.171	NA	NA	-0.346	-0.585
A020491_01	NA	NA		0.44	0.298	NA	NA	-0.096	-0.244
A020493_01		0.128	-0.003	0.339	0.237	0.269	0.063	0.018	0.049
A020497_01		0.256	0.406	0.497	0.388	0.164	0.335	0.341	0.371
A020498_01		0.663	0.374	-0.148	-0.029	0.099	0.283	0.157	0.416
A020500_01		0.892	0.698	0.061	0.143	0.368	0.44	0.194	0.315
A020501_01		-2.275	-2.481	-2.313	-1.719	-2.068	-1.822	-1.192	-1.463
A020502_01		0.398	0.14	-0.161	NA	0.179	0.005	NA	NA
A020504_01		-0.388	NA	0.147	0.103	0.342	0.386	0.376	0.504
A020505_01	NA	NA		0.062	-0.212	NA	NA	-0.026	-0.383
A020506_01		0.242	0.385	0.18	0.107	0.358	0.321	0.238	0.257
A020507_01		0.078	-0.091	0.046	0.153	0.194	0.009	0.108	0.096
A020509_01		0.541	0.392	-0.073	-0.005	0.801	0.903	0.517	0.693
A020510_01		0.306	0.156	0.391	0.153	0.522	0.219	0.408	0.194
A020511_01		0.203	-0.075	0.221	0.181	0.24	-0.19	0.007	0.171
A020512_01		0.58	0.175	-0.84	-1.014	-0.243	-0.188	-0.444	-0.469
A020514_01		0.324	0.317	-0.195	-0.231	0.189	0.337	0.213	0.231
A020515_01		0.191	0.093	0.189	0.077	0.568	0.652	0.599	0.443
A020516_01		-0.829	-0.943	-0.187	-0.059	-1.526	-1.271	-0.677	-0.609
A020520_01		-0.62	-0.294	0.585	0.42	-0.019	-0.128	-0.028	-0.192
A020521_01		-0.143	0.148	-0.067	-0.054	0.197	0.393	0.199	0.131
A020522_01		0.509	0.414	-0.067	-0.159	NA	0.077	0.099	0.18
A020523_01	NA	NA		0.294	0.083	NA	0.067	0.027	-0.159
A020524_01		-0.49	-0.685	-0.207	NA	0.35	0.059	NA	NA
A020529_01		-0.198	0.524	0.162	0.189	0.381	0.895	0.499	0.643
A020530_01		-0.75	-0.142	0.422	0.335	0.357	0.419	0.225	0.264
A020533_01		-0.652	NA	0.082	0.072	0.199	-0.024	0.093	-0.196
A020534_01		-0.11	0.112	0.143	0.254	-0.554	-0.376	-0.2	-0.236
A020535_01		-0.326	-0.175	0.099	-0.015	-0.366	-0.251	0.106	-0.068
A020537_01	NA	NA		0.052	0.044	NA	NA	-0.524	-0.861
A020541_01		-0.834	-0.386	-0.075	-0.066	0.507	0.467	0.584	0.707
A020542_01	NA	NA		0.261	0.132	NA	NA	-0.243	-0.346
A020543_01		0.458	0.831	-0.228	NA	0.789	0.841	0.752	0.792
A020544_01	NA	NA		0.233	-0.214	NA	NA	-0.192	NA
A020546_01		0.199	0.181	-0.019	-0.321	0.61	0.232	0.489	0.235
A020547_01		-0.333	-0.302	0.021	-0.043	0.337	-0.025	-0.008	-0.183
A020549_01		0.697	0.576	0.097	-0.176	0.442	0.233	0.394	0.294
A020550_01		-1.373	-1.267	-0.67	-0.526	-1.346	-1.093	-0.998	-0.981

A020551_01		0.229	0.255	0.131	0.117	0.497	0.379	0.747	0.63
A020553_01		0.3	0.055	-0.579	-0.398	-0.254	-0.369	-0.372	-0.209
A020554_01		0.311	0.412	-0.179	-0.19	0.339	0.354	0.057	-0.017
A020556_01		-0.345	-0.65	-1.634	-1.571	-0.271	-0.511	-0.234	-0.466
A020557_01	NA			-0.418	-0.575	-0.503	NA	-0.711	-0.865
A020559_01		-1.083	-1.234	-1.801	-1.513	NA	NA	-1.401	NA
A020560_01		-3.012	-4.178	-1.198	-0.836	-2.735	-2.39	-1.933	-2.085
A020562_01		0.493	0.205	0.001	-0.085	-0.084	-0.29	-0.257	-0.015
A020563_01		-0.051	0.091	0.093	0.176	0.133	0.301	-0.09	0.084
A020564_01		-0.513	-0.284	0.309	0.034	0.09	-0.016	0.203	-0.081
A020565_01		-1.315	-0.591	-0.359	-0.143	-0.182	0.068	-0.262	-0.24
A020570_01		-0.742	NA	0.684	0.428	-0.012	0.194	0.317	0.071
A020571_01		0.285	0.292	-0.068	0.006	0.177	0.128	-0.007	0.003
A020572_01	NA		NA	-0.852	-0.98	NA	NA	NA	NA
A020573_01		0.839	0.634	0.009	0.059	0.521	0.711	0.579	0.769
A020575_01		0.54	0.202	0.071	-0.035	0.176	0.165	-0.051	-0.033
A020576_01		-0.07	0.006	-0.107	-0.038	-0.007	-0.011	-0.219	-0.115
A020577_01		-1.242	-0.696	0.118	0.066	0.021	0.115	-0.015	-0.013
A020578_01	NA		-0.241	0.246	0.154	NA	-0.637	0.163	0.195
A020579_01	NA		NA	0.203	NA	NA	NA		0.179
A020580_01		-0.954	-0.192	0.156	0.234	-0.152	-0.074	0.073	0.157
A020581_01	NA		NA	-0.166	NA	NA	NA	0.182	NA
A020584_01		0.637	0.671	0.039	0.073	-0.108	0.025	-0.035	0.044
A020585_01		0.192	0.077	0.481	0.242	0.169	0.102	0.223	-0.11
A020586_01		0.221	0.189	0.007	-0.037	0.11	0.065	0.514	0.452
A020587_01		-0.118	NA	0.168	0.107	0.132	NA	0.206	0.225
A020588_01		0.632	0.716	0.191	0.228	0.432	0.789	0.421	0.724
A020589_01		0.327	0.339	0.411	0.322	0.898	0.854	0.763	0.982
A020590_01		-1.025	-0.586	0.175	0.188	-0.099	0.229	-0.139	-0.177
A020592_01		-1.049	-1.035	-0.317	-0.239	-1.011	-0.672	-0.233	-0.221
A020593_01		-0.175	-0.316	-0.172	-0.077	0.11	-0.066	-0.037	-0.019
A020594_01		-0.702	-0.045	-1.997	-1.678	-1.625	-1.452	-1.427	-1.705
A020595_01		-0.134	NA	-0.074	NA	0.15	NA	NA	0.383
A020599_01		-0.246	-0.586	-0.697	-0.654	-1.153	-1.288	-0.957	-1.25
A020600_01		0.508	0.071	-0.427	-0.469	-0.608	-0.563	-0.507	-0.47
A020601_01		0.164	0.219	-0.713	-0.689	-0.448	-0.431	-0.206	-0.364
A020602_01		-0.224	0.04	0.239	0.252	0.446	0.351	0.271	0.251
A020603_01		0.352	0.674	-0.028	0.033	0.13	0.753	0.96	1.021
A020604_01	NA		NA	0.067	0.083	-0.105	-0.377	-0.16	-0.254
A020605_01		0.129	0.422	0.274	0.233	0.754	0.981	0.688	0.762
A020606_01		-1.52	-1.17	-0.279	-0.351	-1.125	-0.8	-0.606	-0.773
A020608_01		-0.071	0.044	-0.071	-0.113	0.093	0.082	0.084	0.072
A020610_01		0.145	0.122	0.029	0.057	0.048	0.142	-0.12	0.028
A020611_01		0.043	0.178	0.226	0.134	0.685	0.299	0.463	0.21
A020612_01		-0.825	-0.208	0.235	0.046	0.053	-0.008	0.038	-0.121
A020613_01		0.706	0.551	0.494	0.346	0.726	0.629	0.668	0.578
A020615_01	NA		NA	0.802	0.873	NA	NA	-1.1	-1.041
A020616_01		0.038	-0.127	-0.25	-0.214	-0.169	-0.112	-0.077	0.1
A020617_01		-0.122	0.189	0.347	0.413	0.153	0.58	0.13	0.341
A020619_01		-0.755	-0.111	-0.032	-0.007	0.413	0.354	0.324	0.15
A020620_01		-1.21	-0.697	0.408	0.302	-0.141	NA	-0.263	-0.223
A020621_01		-1.569	-0.637	0.01	0.098	-1.091	-0.744	-0.515	-0.561
A020622_01		-0.175	-0.51	0.368	0.108	0.018	-0.076	-0.06	-0.245
A020623_01		-0.408	-0.129	-0.32	-0.184	-0.226	-0.053	-0.122	0.188
A020625_01		0.002	0.018	-0.386	-0.388	-0.122	-0.153	NA	-0.213
A020627_01	NA		NA	0.126	-0.022	-0.414	-0.569	-0.211	-0.37
A020629_01		-0.645	-0.412	-0.01	-0.001	0.152	0.267	0.13	0.092
A020630_01	NA		NA	0.038	0.066	NA	NA	-1.064	-1.466
A020633_01		-0.289	0.295	-0.185	-0.039	0.683	1.116	0.505	1.131
A020638_01	NA		NA	0.053	0.045	NA	NA	-0.326	-0.318
A020639_01	NA		NA	-0.044	-0.191	NA	NA	-0.09	NA
A020640_01		-0.2	0.012	-0.287	-0.315	-0.031	0.041	0.059	-0.103
A020641_01		-0.116	0.066	-0.334	-0.362	0.055	0.07	0.419	0.269
A020643_01	NA		NA	-0.766	-0.784	NA	NA	NA	-0.983
A020645_01		-0.39	-0.229	0.254	0.173	-0.027	0.263	0.036	0.062
A020646_01		0.236	0.237	-0.107	-0.181	0.007	0.132	0.266	0.198
A020647_01	NA		NA	0.235	0.042	NA	NA	0.214	0.141
A020649_01		0.228	0.14	-0.263	-0.158	-0.256	-0.137	-0.163	-0.115

A020650_01	NA	NA		0.44	0.306	-0.323	NA		-0.067	-0.137
A020652_01		-0.257	0.027	0.112	0.053	-0.139		-0.2	-0.193	-0.447
A020653_01	NA	NA		-0.252	-0.192	NA	NA		0.176	0.071
A020654_01		0.342	0.131	0.345	0.406	0.681	0.565		-0.091	-0.04
A020656_01		-1.008	-0.867	-0.321	-0.372	-0.324	-0.364		-0.008	-0.032
A020658_01		-0.296	-0.276	NA	-0.174	-0.082	-0.21	NA		-0.235
A020659_01	NA	NA		-0.463	-0.413	NA	NA		-0.91	-1.069
A020660_01		0.475	0.357	-0.093	-0.032	0.166	0.379		0.187	0.23
A020661_01		-0.921	-0.793	-0.068	-0.115	-0.273	-0.385		-0.221	-0.459
A020663_01		0.671	NA	0.173	-0.003	NA	0.389		0.027	-0.061
A020664_01		0.181	0.01	-0.53	-0.417	-0.463	-0.314		-0.398	-0.353
A020665_01	NA	NA		0.218	0.075	-0.599	NA		-0.432	-0.693
A020668_01		-0.402	-0.261	0.078	0.078	-0.155	-0.162		-0.142	-0.165
A020670_01		-0.321	-0.481	0.078	0.018	-0.153	-0.415		-0.107	-0.146
A020671_01		0.42	0.364	0.163	0.126	0.722	0.5		0.722	0.757
A020673_01		-0.688	-0.833	0.609	0.288	-0.254	-0.316		-0.382	-0.562
A020678_01		-0.213	-0.056	-0.285	-0.289	-0.098	-0.197		-0.024	-0.139
A020683_01		-0.234	-0.042	-0.03	-0.227	0.141	0.062		0.346	0.055
A020684_01		0.706	0.555	-0.403	-0.232	0.047	0.244		-0.033	0.452
A020686_01	NA	NA		-0.169	-0.284	-0.063	NA		-0.143	-0.121
A020689_01		-1.066	-1.464	-1.789	-1.474	-1.573	-1.444		-1.382	-1.702
A020690_01		0.441	0.301	0.635	0.552	0.227	0.199		0.143	-0.024
A020691_01	NA		-0.472	0.308	0.091	-0.17	-0.115		0.023	-0.157
A020692_01		0.464	0.457	0.255	0.136	0.317	0.304	NA		0.349
A020694_01	NA	NA		0.344	0.215	NA	NA		-0.929	-1.159
A020696_01	NA	NA		0.487	0.187	NA	0.083		0.297	0.031
A020697_01		-0.89	-0.742	-0.111	0.159	-1.189	-1.122		-0.77	-0.759
A020699_01		-0.396	-0.172	-0.455	-0.404	-0.032	0.353		-0.04	0.227
A020702_01		0.253	0.514	-0.535	-0.43	-0.036	0.355		-0.031	0.134
A020703_01		0.722	0.138	-0.104	-0.106	-0.053	0.002		-0.051	0.247
A020704_01		-0.461	-0.318	-1.578	-1.487	-1.291	-0.946		-0.768	NA
A020705_01		-1.047	-0.853	0.36	0.236	-0.034	0.006		0.187	0.148
A020707_01		-0.042	0.031	0.062	0.042	0.191	0.111		0.26	0.108
A020708_01		0.677	0.639	0.233	0.409	0.13	0.117		-0.08	0.094
A020710_01		0.229	0.499	0.361	0.301	0.08	0.621		0.194	0.218
A020713_01	NA	NA		0.316	0.243	NA	NA		-0.204	-0.4
A020714_01		0.367	0.435	0.081	0.013	0.281	0.413		0.445	0.387
A020716_01		0.594	0.385	0.454	0.196	0.291	0.021		0.132	0.084
A020722_01	NA	NA		0.435	0.147	-0.016	NA		0.088	-0.172
A020725_01		0.024	0.046	-0.236	-0.104	-0.255	-0.065		-0.139	0.133
A020727_01		-0.569	-0.507	-0.935	-1.171	-1.015	-1.179		-0.523	-0.871
A020728_01		-1.488	-1.258	0.018	-0.102	-0.736	-0.635		-0.028	-0.051
A020730_01		-1.39	-1.731	-1.128	-1.049	-2.006	-2.013		-0.987	-1.338
A020731_01		-2.19	-1.47	0.338	0.394	-0.023	0.259		0.107	0.299
A020732_01		-0.329	-0.888	-0.897	-0.944	-1.131	-1.21		-0.886	-1.097
A020733_01		-0.108	-0.708	-1.098	-1.076	-0.991	-1.463		-0.822	NA
A020734_01		-0.044	-0.459	-0.261	-0.364	1.027	1.068		0.979	1.036
A020735_01		-1.549	-1.126	-0.536	-0.516	-1.415	-1.16		-0.896	-1.073
A020737_01		-1.019	-0.345	0.219	0.167	0.186	0.362		0.231	0.181
A020738_01		-0.71	-0.369	0.083	0.12	-0.446	-0.241		-0.176	-0.059
A020740_01		0.745	0.535	-0.078	-0.129	0.46	0.196		0.185	0.246
A020741_01		-0.188	-0.003	0.372	0.122	0.415	0.357		0.468	0.462
A020746_01		0.655	0.756	0.069	0.077	0.493	0.422		0.352	0.222
A020748_01		-1.777	-0.974	-0.254	-0.076	-0.239	-0.316		-0.224	-0.149
A020750_01		0.77	0.266	0.065	-0.004	0.216	0.128		0.366	0.347
A020751_01		0.379	0.707	-0.001	0.064	-0.212	0.675		0.511	NA
A020754_01		-0.811	-0.601	-0.654	-0.817	-0.379	-0.607		-0.489	-0.863
A020756_01		0.468	0.238	0.421	0.173	0.715	0.375		0.415	0.417
A020757_01		0.104	0.075	0.242	0.134	0.231	0.157		0.374	0.379
A020759_01		-0.555	-0.437	0.211	0.196	0.002	-0.003		0.03	0.006
A020760_01		0.387	0.446	0.572	0.355	0.909	0.652		1.298	0.988
A020761_01		-0.695	-0.014	0.242	0.246	0.383	0.601		0.447	0.587
A020762_01		-0.689	NA	0.395	-0.027	-0.638	-0.687	NA		-0.374
A020763_01		-0.305	0	-0.384	-0.254	-0.731	-0.221		0.08	0.148
A020765_01		0.284	0.289	0.342	0.125	0.608	0.389		0.291	0.228
A020766_01		0.203	0.005	-0.119	-0.119	-0.101	0.146		0.205	0.414
A020767_01		0.696	0.625	0.465	0.289	0.427	0.33		0.421	0.175
A020769_01	NA		-0.31	0.287	0.188	-0.13	NA	NA		0.076

A020771_01		-0.342	-0.011	0.288	0.341	0.638	0.709	0.297	0.335
A020774_01		0.299	0.089	0.176	-0.046	-0.403	-0.231	0.204	-0.001
A020777_01	NA	NA		-0.641 NA	NA	NA		-0.318	-0.636
A020778_01		-0.89	-0.3	0.391	0.315	-0.515	-0.368	-0.24	-0.407
A020780_01		-0.022	0.363	-0.095	0.326	0.247	0.409	0.229	0.522
A020781_01		-0.115	-0.113	0.011	0.06	-0.013	-0.054	0.131	0.089
A020784_01		0.155	0.328	0.246	0.028	0.427	0.44	0.788	0.797
A020785_01		0.078	0.235	-0.119	-0.001	0.369	0.493	0.429	0.628
A020788_01	NA	NA	NA	NA	NA	NA	NA	NA	NA
A020795_01		-0.84	-0.066	0.321	0.41	0.074	0.548	0.081	0.236
A020796_01		-0.005	0.109	0.056	-0.046	0.164	0.073	0.238	0.181
A020797_01		-0.593	-0.373	-0.703	-0.37	-0.849	-0.378	-0.717	-0.313
A020798_01		0.163	0.116	-0.36	-0.622	0.345	0.239	0.052	-0.021
A020799_01		0.09	0.007	0.055	-0.071	0.238	0.079	0.221	0.016
A020800_01		0.052	-0.253	-0.289 NA		0.104	-0.069	0.165	0.048
A020802_01		0.475	0.38	0.111	0.039	0.193	0.248	0.161	0.173
A020803_01		-0.109	0.009	0.491	0.41	0.252	0.311	-0.255	-0.304
A020806_01		0.606	0.758	0.074	0.017	0.673	0.972	0.439	0.641
A020807_01		-0.444	-0.09	-0.22	-0.047	-0.038	0.052	0.062	0.179
A020809_01		0.216	0.143	0.121	0.012	0.34	-0.066	0.118	-0.086
A020811_01		0.639	0.577	0.414	0.194	0.731	0.214	0.342	0.055
A020813_01	NA	NA		-0.496	-0.427 NA	NA		-0.428	-0.36
A020816_01		-0.588	-0.287	0.254	0.083	0.588	0.407	0.392	0.221
A020817_01		-0.032	-0.399	-0.367	-0.506	-0.057	-0.084	-0.113	0.024
A020818_01		-0.107	-0.121	-0.147	-0.2	-0.354	-0.271	-0.109	-0.234
A020819_01		0.318	0.532	0.432	0.579	0.471	0.566	0.163	0.365
A020820_01		-0.915	-0.539	-0.145	-0.138	-0.181	-0.067	-0.157	-0.224
A020821_01		-0.022 NA		0.323	0.216	0.365	0.032	0.263	-0.003
A020823_01		-0.775 NA		0.333	0.226	0.191	0.231	0.131	0.09
A020825_01		0.05	-0.184	0.125	0.086	0.057	-0.213	-0.135	-0.307
A020826_01		0.603	0.703	0.409	0.331	0.163	0.349	0.102	0.335
A020827_01		0.367	0.476	0.328	0.216	0.479 NA		0.633	0.369
A020828_01		-0.956	-0.172	0.29	0.185	0.973	0.695	0.657	0.624
A020831_01		0.913	0.465	-0.427	-0.467	0.434	0.207	0.547	0.583
A020835_01		-0.796	-0.724	-0.384	-0.2	-1.406	-1.072	-0.681	-0.548
A020836_01		0.173	-0.131	-0.474	-0.524	0.805	0.67	0.576	0.473
A020838_01		-0.151	-0.028	0.009	0.081	-0.291	-0.358	-0.1	-0.058
A020839_01		0.653	0.408	-0.227	-0.056	0.258	0.348	0.22	0.198
A020841_01		0.182	0.332	-0.468	-0.353	0.083	0.537	0.314	0.744
A020842_01		-0.79	-0.705	-0.819	-0.708	-1.013	-0.668	-0.633	-0.501
A020843_01		-0.495 NA		-0.515	-0.559	-0.558	-0.875	-0.656	-0.773
A020844_01		-0.997	-0.763	0.136	0.145	-0.359	-0.297	-0.283	-0.425
A020845_01		-0.297	-0.14	0.335	0.297	-0.197	-0.073	0.028	-0.02
A020847_01		0.193	0.106	0.248	0.265	-0.63	-0.443	-0.678	-0.516
A020849_01		0.591	0.39	-0.03	-0.036	0.242	0.213	0.199	0.173
A020850_01		0.172	0.108	-0.423	-0.181	0.118	0.141	0.11	0.368
A020852_01		-1.503	-1.313	-0.479	-0.349	-1.041	-0.814	-0.424	-0.524
A020853_01		0.242	0.344	-0.487	-0.393	0.293	0.627	0.482	0.729
A020854_01	NA	NA		0.586	0.28 NA	NA		0.388 NA	
A020855_01		0.82	1.065	0.192	0.384	0.327	0.971	0.422	0.829
A020860_01		-0.254	-0.156	0.152	-0.118	0.011	-0.079	0.063	-0.194
A020861_01		0.147	0.118	-0.478	-0.267	-0.337	-0.375	-0.398	-0.313
A020863_01		-0.968	-0.124	0.382	0.117	-0.141	0.057	0.402	0.151
A020866_01	NA	NA		-0.247	-0.353	-0.608 NA		-0.085	-0.306
A020868_01		-1.217	-0.559	0.062	0.121	-1.147	-0.692	-0.473	-0.656
A020869_01		-0.287	-0.181	0.869	0.646	0.238	0.273	0.283	0.127
A020870_01		0.957	0.664	-0.401	-0.363	-0.575	-0.617	-0.555	-0.53
A020871_01		0.446	0.231	-0.272	-0.16	0.001	0.138	0.079	0.16
A020872_01		0.421	0.055	-0.048	-0.22	-0.155	-0.313	-0.127	-0.342
A020873_01		-0.534	-0.234	-0.044	-0.078	0.012	0.083	0.267	0.203
A020876_01		0.25	0.224	-0.001	-0.011	0.216	0.106	0.09	-0.065
A020879_01		-0.044	0.123	0.185	0.234	-0.108	-0.03	-0.123	0.015
A020880_01		0.363	0.982	0.408	0.41	0.016	0.106	-0.013	0.142
A020881_01		0.521	0.575	0.272	0.195	0.414	0.507	0.465	0.51
A020882_01		0.184	0.034	-0.573	-0.44	-0.105	0.036	-0.003	0.167
A020883_01		0.219 NA		0.179	-0.116	-0.722	-0.843	-0.494	-0.574
A020889_01		0.423	0.574	-0.084	0.002	0.069	0.689	0.374	0.79
A020892_01		0.116	-0.214	-0.129	-0.216	-0.128	0.228	-0.024	0.259

A020900_01	NA		-0.245	-0.665	-0.548	NA	-0.321	-0.214	-0.335
A020902_01		-1.317	-0.498	0.362	0.307		-0.295	-0.076	-0.13
A020905_01		-0.699	-0.543	-0.98	-1.026		-0.589	-0.679	NA
A020906_01		-0.789	-0.45	0.068	-0.055		-0.245	-0.151	0.25
A020910_01		-0.338	-0.592	-1.192	-0.942		-0.845	-1.011	-0.77
A020916_01		-0.802	-0.583	-0.1	-0.038		-0.671	-0.589	-0.454
A020917_01		0.686	0.692	0.443	0.485		0.344	0.968	0.433
A020919_01		-1.31	-1.334	-0.614	-0.627		-1.564	-1.477	-1.015
A020924_01		-0.333	NA		0.092		0.14	0.056	-0.266
A020926_01		-0.35	0.023	-0.533	-0.475		-0.093	0.336	0.086
A020928_01		-0.455	-0.284	0.1	0.192		-0.502	-0.387	-0.338
A020929_01		0.264	0.532	0.093	0.212		0.533	0.855	0.765
A020930_01		-1.888	-2.095	-2.523	-2.11		-2.479	-1.872	-1.568
A020934_01		0.313	0.195	-0.357	-0.573		0.601	0.309	0.1
A020937_01		0.252	-0.159	-0.061	-0.303		-0.317	-0.396	-0.157
A020943_01		-0.675	-0.404	-0.389	-0.291		-0.286	-0.152	-0.388
A020944_01		-0.355	NA		-0.037		-0.15	-0.211	-0.353
A020949_01		0.653	0.465	-0.133	-0.247		0.428	0.346	0.162
A020952_01		-0.217	0.405	-0.172	-0.164		0.179	0.29	0.359
A020955_01		-0.236	-0.007	0.381	0.405		0.248	0.305	-0.333
A020958_01		-0.333	0.006	0.293	0.263		0.139	0.393	0.251
A020959_01		-0.228	0.09	0.179	0.245		-0.51	-0.28	-0.264
A020960_01		0.577	0.623	0.036	0.084		0.523	0.646	0.43
A020961_01	NA		NA	0.136	NA		NA		0.689
A020964_01		1.23	0.917	0.445	0.206		NA	0.485	0.438
A020965_01		-0.76	-0.413	0.106	0.036		-0.141	-0.019	-0.017
A020970_01		-0.866	-0.744	-0.232	-0.252		-0.625	-0.538	-0.23
A020971_01		0.749	0.826	-1.554	-1.137		-1.637	-0.97	-1.56
A020974_01		-0.553	-0.507	-1.174	-1.102		-1.195	-0.632	-0.36
A020976_01	NA		NA	0.185	-0.14		NA		0.675
A020978_01		-1.09	-1.571	NA	NA		-1.796	-1.686	-1.409
A020980_01		0.5	0.672	0.013	0.181		0.649	0.995	0.71
A020981_01		-0.301	-0.416	-0.413	-0.267		-0.669	-0.405	-0.382
A020982_01		-0.585	-0.073	0.063	0.057		-0.036	0.033	-0.011
A020985_01		-0.058	-0.046	-0.303	-0.293		0.098	0.06	0.082
A020987_01		-0.372	-0.432	0.36	0.205		-0.29	-0.311	0.123
A020991_01		0.203	0.11	0.094	-0.054		0.271	0.173	0.308
A020992_01		0.278	0.472	0.032	0.157		0.213	0.533	0.417
A020997_01		-0.428	-0.143	0.285	0.163		-0.378	-0.278	-0.279
A020998_01		-1.16	-1.245	-0.914	-0.684		-0.98	-0.749	-0.437
A020999_01		-0.693	-0.804	-0.694	-0.515		-0.701	-0.723	-0.618
A021002_01		-1.097	-0.312	-0.148	-0.049		0.052	0.127	0.272
A021003_01	NA		NA	-0.121	-0.13		NA		-0.378
A021005_01	NA		NA	0.142	0.127		NA		-0.293
A021009_01		0.115	0.139	0.115	-0.215		0.399	0.275	0.587
A021010_01		-0.91	-0.93	-1.264	-0.873		-1.13	-0.781	-0.758
A021011_01		-0.24	-0.1	-0.467	-0.23		0.079	0.33	0.156
A021012_01		0.407	0.316	-0.109	-0.317		-0.075	-0.051	-0.307
A021015_01		-0.453	-0.234	0.085	0.054		0.132	0.11	0.075
A021019_01		-0.056	-0.034	0.066	0.085		0.053	0.219	0.063
A021021_01		-2.056	-1.396	-0.681	-0.537		-0.507	-0.582	-0.673
A021025_01		0.103	0.175	-0.096	-0.093		-0.25	-0.114	0.197
A021026_01		-1.168	-1.101	-1.69	-1.409		-2.363	-2.077	-1.839
A021034_01		-0.631	-1.056	0.255	0.238		-1.791	-1.619	-1.272
A021035_01		-0.016	0.183	0.264	0.256		-0.167	0.133	0.208
A021037_01		-1.32	NA		-0.702		-0.599	NA	-1.937
A021040_01		-1.153	-0.812	-0.32	-0.27		-1.339	-0.755	-0.79
A021041_01		0.47	0.718	0.03	0.019		-0.725	-0.427	-0.281
A021042_01		-0.231	0.056	-0.771	-0.576		-0.782	-0.59	0.285
A021044_01		-0.988	-0.769	-1.786	-1.744		-2.544	-1.87	-1.443
A021045_01		-0.83	-0.579	0.447	0.291		-0.314	-0.384	0.095
A021046_01		-0.847	-0.823	-0.634	-0.583		-0.616	-0.329	-0.23
A021047_01		-0.508	-0.118	-0.056	-0.044		-0.335	0.054	0.137
A021048_01		0.303	0.173	-0.491	-0.507		-0.174	-0.366	NA
A021049_01		-1.15	-1.355	-0.545	-0.555		-0.904	-0.819	-0.447
A021051_01		-1.796	-1.845	0.827	0.409		-1.659	-0.814	-0.466
A021053_01		-0.607	-0.792	-1.084	-0.742		-1.364	-1.198	-0.991
A021055_01		-0.274	-0.414	0.338	0.069		-0.579	-0.499	0.144

A021057_01		-1.021	-0.623	-0.223	-0.207	-0.171	-0.201	0.133	-0.171
A021058_01		0.798	0.707	0.554	0.439	-0.035	0.272	0.358	0.448
A021059_01		-0.666	-0.715	-0.88	-0.57	-0.94	-0.634	-0.522	-0.18
A021061_01	NA	NA		0.104	-0.079 NA	NA		0.139	-0.121
A021062_01		-0.317	-0.402	-0.662	-0.745	-0.484	-0.392	-0.112	-0.326
A021063_01		-0.321	-0.056	-0.157	-0.196	-0.53	-0.045	0.289	0.114
A021064_01		0.321	0.309	-0.219	-0.168	-0.065	0.055	0.087	0.15
A021065_01		-0.709	-0.221	0.242	0.104	-0.689	-0.213	-0.345	-0.588
A021066_01		0.59 NA	NA	NA		-0.096 NA	NA	NA	
A021067_01	NA	NA		0.325	0.319 NA	NA		-0.213	-0.389
A021068_01		0.381	0.283	0.329	0.111	0.549	0.295	0.391	-0.05
A021069_01		0.165	0.398	0.463	0.263	-0.026	-0.019	0.019	-0.162
A021070_01		-1.059	-0.427	-0.565	-0.154	-0.22	0.206	0.099	0.51
A021071_01		-0.069	0.526	-0.297	-0.057	0.481	1.366	0.752	1.2
A021072_01		0.779	1.304	0.117	0.232	0.151	1.234	1.108	1.148
A021073_01		0.25	0.057	-0.108	-0.2	-0.283	-0.209	-0.332	-0.382
A021074_01	NA	NA		-1.621	-1.493 NA	NA		-1.201	-1.594
A021076_01	NA	NA		-0.99	-1.076 NA	NA	NA	NA	
A021078_01		-1.071	-0.507	0.122	0.127	-0.928	-0.649	-0.368	-0.351
A021079_01		-0.583	-0.314	0.582	0.417	0.538	0.538	0.165	0.084
A021081_01		-1.604	-1.361	0.488	0.472	-1.494	-1.345	-0.59	-0.706
A021084_01		-0.14	0.137	-0.042	0.096	-0.129	0.132	0.104	0.148
A021085_01		-0.419 NA		0.337	0.094	0.256	-0.017	0.31	0.122
A021086_01		0.459	0.343	0.276	0.197	0.4	0.304	0.24	0.123
A021088_01		-0.149	0.21	0.013	-0.026	-0.289	0.188	0.086	0.219
A021089_01	NA		-0.45	-0.316	-0.256	0.565	0.498	0.221	0.264
A021093_01		-1.41	-0.348	0.287	0.125	0.967	0.774	0.659	0.56
A021094_01		0.201	0.329	-0.139	-0.06	0.287	0.666	0.33	0.562
A021097_01		0.051	0.386	-0.403	-0.459	0.236	0.553	1.025	1.202
A021099_01		-0.747	-0.224	0.027	0.087	0.065	0.01	0.007	0.019
A021100_01		-0.726	-0.661	-0.276	-0.327	-0.787	-0.517	-0.128	-0.363
A021102_01		0.41	0.363	0.028	-0.025	0.26	0.228	0.262	0.349
A021103_01		-0.428 NA		-0.199	-0.222	-1	-0.926	-0.633	-0.285
A021104_01		0.43	0.519	-0.405	-0.256	0.312	0.447	0.155	0.476
A021106_01		0.029	-0.098	-0.087	-0.099	-0.49	-0.43	-0.26	-0.235
A021107_01		-0.609	-0.882	-0.715	-0.892	-0.752 NA		-0.651 NA	
A021108_01	NA	NA		-0.86	-0.972	0.636	0.28	-0.819	-0.876
A021109_01	NA	NA		0.636	0.322 NA	NA		0.212	0.107
A021110_01		0.465	0.253	0.046	-0.232	0.372	0.109	0.29	0.027
A021111_01		0.379	0.303	-0.142	-0.12	0.545	0.413	0.452	0.422
A021112_01		0.228	0.372	-0.156	0.065	-0.349	-0.149	-0.08	0.105
A021113_01		0.541	-0.005	-0.071	-0.056	-0.73	-0.9	-0.493	-0.394
A021117_01		0.402	0.269	-0.077	0.051	-0.153	0.088	-0.132	-0.038
A021118_01		-0.808	-0.314	-0.414	-0.567	-0.231	-0.183	0.054	-0.263
A021119_01		-0.324	-0.234	0.067	-0.055	-0.205	-0.12	0.092	-0.269
A021120_01		-0.712 NA		-0.145	-0.165	0.04	0.075	0.416	0.334
A021121_01		-0.65	-0.207	-0.082	-0.111	-0.379	-0.117	0.137	0.29
A021123_01		-0.218	-0.318	0.217	-0.021 NA		-0.351	-0.166	-0.498
A021124_01		0.447	0.208	-0.155	-0.241	0.047	0.139	0.227	0.282
A021125_01		-0.246	-0.094	0.536	0.279	0.143	0.093	0.17	-0.158
A021126_01		0.044	0.066	0.424	0.318	0.241	0.218	0.14	0.037
A021127_01		0.012	0.155	-0.32	-0.472	-0.036	-0.248	-0.048	-0.431
A021128_01		0.286	0.313	0.149	0.259	-0.028	-0.262	-0.263	-0.3
A021129_01		0.214	0.538	0.007	-0.007	0.549	0.411	0.283	0.294
A021130_01		-0.409	-0.067	-0.183	-0.073	0.397	0.353	0.307	0.246
A021131_01		-2.065	-0.506	-0.281	-0.054	-0.251	0.05	-0.046	0.056
A021132_01		0.539	0.409	-0.075	-0.068	-0.229	-0.14	0.022	0.22
A021133_01		-1.611	-1.36	-1.176	-0.946	-0.789	-0.537	-0.393	-0.332
A021134_01		-0.259	-0.033	-0.015	-0.221	-0.083	-0.136	0.134	-0.133
A021136_01		-0.059	-0.099	-0.411	-0.436	0.121	-0.028	0.146	0.022
A021137_01		0.756	1.224	0.128	0.258	0.753	1.222	1.103	1.353
A021139_01		1.062	0.583	0.282	0.108	0.613	0.49	0.179 NA	
A021140_01	NA		0.365	-0.318	-0.354 NA		0.789	0.385	0.834
A021142_01		0.793	0.762	0.081	0.046	0.646	0.682	0.674	0.788
A021146_01		0.707	0.498	-0.318	-0.272	0.132	0.265	0.09	0.39
A021147_01		0.52	0.65	-0.511	-0.376	0.221	0.89	0.275	0.706
A021148_01		0.564	0.558	-0.532	-0.384	0.436	0.831	0.541	0.856
A021149_01		1.016 NA		0.282	0.188	0.539	1.296	0.488	1.03

A021150_01	0.634	0.706	-0.495	-0.537	-0.665	-0.574	-0.639	-0.072
A021160_01	0.46	0.319	-0.101	0.054	0.189	0.488	0.102	0.448
A021195_01	1.087	0.663	0.208	0.162 NA		0.042	-0.03	-0.063
A021200_01	0.281	-0.016	-0.238	-0.219	-0.632	-0.496	-0.534	-0.466
A021206_01	0.918	0.696	-0.142	-0.014	0.078	-0.154	-0.188	-0.155
A021207_01	0.504	0.317	0.344	0.209	0.235	0.27	0.065	-0.036
A021208_01	0.401	0.146	0.312 NA	NA	NA		-0.007	-0.097
A021209_01	1.103 NA		0.216	0.129 NA		0.854	0.568	0.501
A021212_01	-0.501	-0.931	0.12	-0.074	-0.642	-0.758	-0.335	-0.607
A021213_01	-0.099	-0.249	-0.07	-0.208	-0.353	-0.399	-0.148	-0.312
A021214_01	-0.045	-0.492	-0.31	-0.291	-0.497	-0.265	-0.073	-0.372
A021218_01	0.123	-0.092	-0.131	-0.089	0.032	-0.061	-0.113	-0.163
A021219_01	-1.18	-0.492	0.73	0.668	-0.642	-0.13	-0.12	-0.07
A021220_01	-0.538	-0.244	-0.335	-0.174	-0.291	0.054	-0.028	0.067
A021222_01	-1.159	-0.963	-0.902	-0.665	-1.325	-0.675	-0.517	-0.573
A021223_01	0.416	0.154	-0.469	-0.263	-0.057	0.122	-0.098	0.065
A021224_01	0.546	0.28	-0.271	-0.281	-0.262	-0.374	-0.567	-0.617
A021225_01	-0.269	-0.067	-0.362	-0.254	-0.111	-0.178	-0.126	-0.066
A021227_01	0.816 NA	NA	NA	NA		-0.665	-0.288 NA	
A021230_01	0.664	0.748	-1.454	-1.113	1.552	1.725	1.852	2.09
A021233_01	-0.937	-1.118	-0.599	-0.576	-1.076	-0.908	-0.56	-0.698
A021234_01	0.1	0.143	0.144	0.116	0.174	0.022	-0.028	-0.057
A021235_01	-0.021	-0.417	-0.09	-0.278	-0.491	-0.559	-0.333	-0.439
A021238_01	0.65	0.364	-0.018	-0.098	0.156	0.03	0.224	0.158
A021239_01	0.651	0.492	-0.026	-0.078	0.356	0.415	0.3	0.281
A021241_01	0.286	0.151	0.206	0.11	0.085	0.18	0.168	0.168
A021249_01	0.375	0.57	-0.273	0.113	1.074	1.929	1.56	2.016
A021252_01	-1.061	-1.094	-0.796	-0.534	-1.171	-0.796	-0.586	-0.545
A021253_01	-2.337	-1.67	-0.805	-0.474	-1.812	-1.259	-1.079	-0.865
A021261_01	-1.408	-1.411	-0.368	-0.309	-1.201	-0.989	-0.702	-0.698
A021267_01 NA		0.044	-0.223	-0.196	0.384	-0.14	-0.152	-0.112
A021269_01 NA		0.146	0.118	-0.061 NA		0.187	0.153	0.176
A021274_01	-0.749	-1.275	-0.718	-0.548	-1.017	-1.063	-0.922	-0.83
A021276_01	0.647	0.41	0.287	0.258	0.366	0.285	0.004	0.02
A021293_01 NA		-0.541	-0.782	-0.789	-0.509 NA		-0.477	-0.314
A021294_01	0.377	0.361	0.196	0.132	0.362	0.393	0.104	0.191
A021295_01	0.175	0.171	0.222	0.289	0.28	0.194	0.07	0.3
A021299_01	-0.461	-0.738	-0.924	-0.936	-0.659	-0.749	-0.742	-0.671
A021303_01	-0.816	-0.676	-0.157	-0.048	-0.844	-0.907	-0.599	-0.52
A021309_01	1.004	0.948	0.714	0.538	0.5	0.664	0.582	0.475
A021313_01	-0.213	0.215	0.043	0.105	-0.048	0.678	0.741	0.866
A021323_01 NA	NA		0.106 NA	NA	NA		-0.228 NA	
A021335_01 NA	NA	NA	0.391	0.261	0.58	0.554	0.319	0.455
A021338_01	0.018	-0.659	-1.089	-0.937	-0.978	-1.077 NA		-0.984
A021339_01	0.676	0.323	0.196 NA		0.577	0.548	0.675	0.834
A021340_01	0.512	-0.203	-0.408	-0.346	-0.095	0.07	-0.11	0
A021341_01	0.126	-0.04	-0.226	-0.196	-0.026	-0.015	-0.205	0.028
A021342_01	0.029	-0.015	-0.474	-0.44	-0.084	-0.073	-0.075	-0.205
A021344_01	-1.865	-1.578	-0.342	-0.292	-1.48	-1.16	-0.829	-0.899
A021347_01	0.297	0.456	0.405	0.404	0.34	0.31	0.14	0.132
A021354_01	1	0.896 NA		-0.068	0.232	0.947	0.575	0.775
A021368_01	-0.145	0.124	-0.143	-0.058	-0.339	-0.088	-0.27	-0.112
A021372_01	-0.241	-0.013	0.056	0.133	0.147	0.379	0.189	0.304
A021375_01	0.046	0.41	0.221	0.157	0.505	0.638	0.368	0.66
A021377_01	0.21	0.29	0.269	0.333	0.647	1.233	0.5	1.017
A021389_01	-0.546	-1.008	-0.514	-0.44	-0.959	-0.938	-0.647	-0.615
A021392_01	0.085	0.106	-0.325	-0.288	0.246	0.27	0.286	0.213
A021395_01	-0.506	-0.219	-0.252	-0.184	0.011	0.042	-0.096	0.048
A021401_01	0.442	0.07	-0.031	-0.136	0.242	0.158	0.172	0.205
A021411_01 NA	NA	NA	-2.228	-2.018 NA	NA		-1.942 NA	
A021413_01	-0.711	-0.467	0.432	0.198	0.275	-0.024	0.085	-0.077
A021419_01	0.353	0.65	-0.731	-0.752	1.209	1.192	1.636	1.566
A021427_01	0.264	0.24	-0.109	0.005	0.076	0.25	0.136	0.099
A021428_01 NA	NA	NA	0.085	-0.276 NA	NA		-0.346	-0.745
A021434_01	-0.624	-0.845	-0.968	-0.752	-1.075	-0.805	-1.063	-0.822
A021438_01	-0.283	0.084	-0.013	-0.036	-0.28	-0.054	0.061	0.032
A021440_01	0.659	0.306	-0.06	-0.088	-0.043	-0.017	-0.109	0.085
A021441_01	0.175	0.305	-0.037	0.086	0.57	0.637	0.262	0.679

A021444_01	-0.031	0.061	-0.31	-0.185	-0.389	-0.249	-0.125	-0.062
A021451_01	0.591	0.378	-0.099	0.018	0.209	0.335	0.289	0.259
A021454_01	0.563	0.236	-0.423	-0.426	-0.125	0.044	-0.289	-0.246
A021462_01	0.032	-0.191	0.224	0.135	-0.103	-0.259	0.102	-0.032
A021464_01	-0.585 NA		0.366	0.061 NA		-0.986	-0.179	-0.516
A021466_01	0.069 NA		0.554	0.659	0.62 NA		0.176	0.388
A021467_01	-0.254 NA		-0.071	-0.098	-0.419 NA		-0.274	-0.324
A021472_01	NA	-0.855	-0.157	-0.196 NA	NA		-0.274	-0.486
A021474_01	0.14	0.113	0.196	0.232	0.184	0.033	0.002	0.078
A021476_01	-0.585	-0.859	-0.408	-0.528	-0.82	-0.846	-0.609	-0.642
A021491_01	0.069	-0.096	-0.332	-0.354	0.028	0.174	0.021	-0.018
A021492_01	0.617	0.358	-0.359	-0.177	-0.042	0.073	-0.017	0.101
A021494_01	-0.795	-0.986	-0.742	-0.652	-1.117	-0.883	-0.788	-0.646
A021497_01	-0.933	-0.955	-1.192	-0.863	-1.242	-1.106	-1.268	-0.957
A021498_01	0.515	0.197	-0.468	-0.422	-0.128	-0.083	-0.206	-0.192
A021500_01	-0.958	-0.988	-0.764	-0.642	-1.004	-0.909	-0.628	-0.591
A021510_01	-1.093	-1.112	-0.92	-0.644	-1.603	-1.151	-0.812	-0.668
A021511_01	0.015	0.075	-0.053	-0.117	-0.095	0.09	0.083	0.091
A021517_01	-0.942	-0.792	-0.275	-0.296	-0.877	-0.761	-0.431	-0.57
A021520_01	0.661	0.457	0.073	0.097	0.741	0.636	0.596	0.573
A021521_01	NA	NA	0.017	0.12 NA	NA		-1.146	-1.034
A021526_01	-0.081	-0.111	-0.371	-0.282	0.27	0.128	-0.105	0.016
A021528_01	NA	-0.003	0.248	0.099 NA	NA		-0.323	-0.349
A021529_01	0.487	0.13	0.431	0.24	0.424	0.423	0.225	0.086
A021538_01	0.884	0.831	-0.152	-0.231	0.496	0.584	0.387	0.682
A021539_01	0.135	-0.46	-0.389	-0.531	-0.648	-0.728	-0.521	-0.636
A021542_01	0.217	-0.066	-0.1 NA		-0.462	-0.438 NA	NA	
A021546_01	0.417	0.792	0.257	0.245	0.633	0.921	0.325	0.491
A021549_01	-0.129	-0.398	-0.436	-0.351	-0.093	-0.13	-0.187	-0.13
A021551_01	0.348	-0.171	-0.361	-0.218 NA		-0.776	-0.734	-0.476
A021552_01	-0.696	-0.371	0.276	0.366	-0.234	-0.036	0.044	0.116
A021557_01	0.731	0.37	0.115	0.04	0.609	0.678	1.041	1.219
A021560_01	NA	NA	-0.181 NA	NA	NA		-0.078 NA	
A021562_01	-0.06	0.242	0.718	0.616	0.918	0.677	0.307	0.213
A021563_01	0.13	-0.137	-0.376	-0.252	-0.248	-0.195	-0.323	-0.2
A021565_01	-0.714	-0.809	-0.863	-0.739	-0.519	-0.567	-0.849	-0.725
A021567_01	0.52	0.307	0.392	0.075	0.617	0.397	0.402	0.172
A021568_01	-0.089	-0.051	0.104	0.058	0.41	0.167	0.155	0.133
A021577_01	-0.547	-0.996	-0.622	-0.652	-0.983	-0.974	-0.633	-0.745
A021580_01	0.029	0	0.146	0.119	-0.038	-0.107	-0.004	-0.16
A021585_01	-0.183	-0.517	-0.542	-0.587	-0.595	-0.969	-0.731	-0.969
A021587_01	0.098	0.047	0.021	-0.051	-0.256	-0.316	0	-0.192
A021589_01	0.224	-0.147	0.526	0.188	0.544	0.37	0.492	0.211
A021592_01	1.308	0.702	0.147	0.134 NA		0.476	0.164	0.062
A021593_01	NA	-0.706	-0.263	-0.172 NA	NA		-1.216	-0.99
A021594_01	0.589	0.68	0.44	0.405	0.439	0.679	0.31	0.537
A021595_01	1.504	0.803	0.752	0.641	1.308	1.051	0.677	0.844
A021601_01	-0.727	-0.923	-0.702	-0.692	-1.151	-1.001	-0.673 NA	
A021607_01	0.633	0.375	0.089	0.027	0.724	0.632	0.514	0.592
A021613_01	-0.161	-0.656	-0.938	-0.723	-0.831	-1.132	-0.723	-0.749
A021615_01	-0.054	-0.162	0.168	0.149	-0.196	-0.335	-0.051	-0.08
A021616_01	1.127	0.53	0.143 NA	NA		0.052 NA	NA	
A021619_01	0.942	0.584	-0.27 NA		0.236	0.08	-0.086	-0.003
A021628_01	-0.587	-0.544	-1.047	-0.9	0.208	0.426	0.22	0.38
A021629_01	-0.258	-0.216	-0.06	-0.077	0.576	0.721	0.42	0.496
A021635_01	0.564	0.523	0.033	0.005	0.47	0.554	0.111	0.194
A021636_01	0.935	0.382	0.267	0.085	0.356	0.095	0.153	0.017
A021638_01	0.049	0.2	-0.151	-0.017	0.091	0.136	-0.258	-0.067
A021640_01	-0.282	0.043	-0.211	-0.114	-0.541	-0.202	-0.272	-0.102
A021641_01	0.761	0.183	0.114	0.123	0.213	0.082	-0.297	-0.16
A021643_01	0.469	0.578	-0.344	-0.222	0.047	0.475	0.044	0.56
A021647_01	-0.633	-0.918	-0.668	-0.424	-0.736	-0.711	-0.713	-0.485
A021648_01	-0.837	-0.698	0.202	-0.042	-0.616	-0.602	-0.234	-0.579
A021652_01	-0.156	-0.032	-0.091	-0.142	0.059	0.048	0.117	-0.031
A021659_01	1.169	0.754	0.306 NA		0.801	0.734	0.426	0.6
A021661_01	0.986 NA		0.183 NA		0.13 NA		0.019 NA	
A021662_01	0.29 NA	NA	NA	NA		-0.164 NA	NA	
A021670_01	0.296	0.351	0.727	0.501	1.031	0.654	0.351	0.207

A021673_01	NA	NA		0.309	0.007	0.539	NA	0.205	0.01
A021677_01		0.188	-0.023	-0.184	-0.199	-0.077	-0.192	-0.005	-0.111
A021682_01		-0.151	-0.248	0.008	-0.142	-0.26	-0.398	-0.175	-0.364
A021691_01		0.087	-0.131	0.282	0.234	0.266	0.364	0.03	0.195
A021696_01		-0.611	-0.592	-0.742	-0.577	-0.623	-0.615	-0.854	-0.779
A021697_01		0.318	0.121	-0.172	-0.229	-0.073	-0.081	-0.008	-0.167
A021700_01		0.165	0.111	-0.681	-0.454	0.014	0.062	-0.474	-0.196
A021701_01		-0.802	-1.105	-0.86	-0.644	-1.224	-0.951	-0.736	-0.774
A021703_01		0.296	-0.296	-0.046	-0.127	-0.252	-0.237	-0.321	-0.404
A021708_01	NA		0.461	0.341	0.361	NA	0.333	-0.176	-0.209
A021709_01	NA		0.895	0.112	NA		1.386	1.214	0.844
A021712_01		-0.872	-0.842	-0.859	-0.649	-1.411	-1.31	-0.854	-0.819
A021718_01	NA	NA		-1.794	-1.88	NA	NA	NA	NA
A021719_01		0.443	0.442	0.556	0.395	0.593	0.648	0.198	0.351
A021724_01		-0.107	0.328	0.088	0.032	-0.12	0.593	0.365	0.377
A021726_01		-0.12	-0.353	-0.492	-0.482	-0.891	-1.116	-0.965	-0.886
A021730_01		-0.787	-0.976	-1.164	-1.033	-0.805	-0.967	-0.759	-0.605
A021739_01		0.418	-0.428	-0.731	-0.795	NA	-0.582	-0.464	-0.589
A021749_01		-0.118	-0.588	-1.835	-1.812	NA	-1.598	-1.847	NA
A021753_01	NA	NA		-0.112	-0.147	NA		-0.074	0.05
A021759_01		-1.361	-1.166	-0.154	-0.159	0.735	0.756	0.589	0.709
A021760_01		-0.755	-0.637	-0.699	-0.383	-0.126	0.553	0.289	0.451
A021765_01	NA	NA		0.289	0.054	NA		-0.24	-0.25
A021769_01	NA	NA		0.492	0.336	NA		0.014	0.036
A021771_01		-1.023	-0.724	-0.98	-0.736	-0.948	-0.673	-0.737	-0.514
A021772_01		0.678	0.6	-0.155	0.007	0.165	0.231	0.154	0.277
A021782_01		-0.776	-0.955	-0.7	-0.375	-1.201	-0.867	-0.762	-0.746
A021785_01		-0.506	-0.614	-0.361	-0.325	-0.591	-0.494	-0.192	-0.419
A021786_01		0.422	0.156	-0.165	-0.263	0.092	0.092	-0.058	-0.024
A021791_01		0.13	0.019	0.123	-0.031	0.19	0.139	0.19	0.025
A021794_01	NA		-0.288	-0.373	-0.356	NA	-0.949	-0.963	-0.936
A021796_01		-1.439	-1.31	-0.026	-0.118	-0.919	-0.25	0.024	-0.159
A021797_01		0.419	0.198	-0.127	-0.216	0.463	0.152	0.242	0.029
A021799_01		0.248	-0.009	0.038	-0.097	-0.085	-0.244	-0.101	-0.326
A021802_01		-1.378	-1.372	-0.851	-0.699	-1.299	-1.167	-0.74	-0.935
A021803_01		-0.889	-0.54	-0.643	-0.4	-0.843	-0.245	-0.528	-0.386
A021804_01		0.244	0.401	-0.312	-0.301	0.018	0.179	0.2	0.226
A021805_01		0.678	0.634	-0.1	-0.035	0.292	0.514	0.559	0.84
A021807_01		0.218	0.327	-0.891	-0.896	-0.178	-0.029	-0.103	0.124
A021810_01		0.284	0.175	-0.526	-0.448	0.226	0.342	0.346	0.43
A021811_01		0.569	0.748	0.3	0.536	1.052	1.452	0.445	0.842
A021812_01	NA	NA		-1.057	-1.076	NA		-0.596	NA
A021813_01		0.775	0.685	-0.508	-0.476	0.169	0.61	0.743	0.85
A021814_01		0.851	0.579	-0.208	-0.114	0.771	0.698	0.477	0.536
A021815_01		0.23	0.205	-0.712	-0.498	0.353	0.509	0.273	0.628
A021816_01	NA		0.176	0.007	-0.388	NA		0.005	NA
A021817_01		-0.722	-0.684	-0.027	-0.012	-0.736	-0.597	-0.433	-0.58
A021818_01		-0.098	0.066	-0.389	-0.236	-0.293	0.052	-0.061	0.143
A021820_01		0.812	0.678	0.647	0.505	1.035	0.978	0.49	0.503
A021821_01		0.118	0.279	-0.137	-0.039	-0.242	0.323	0.015	0.302
A021822_01		0.342	0.497	-0.37	-0.211	0.012	0.198	0.047	0.412
A021823_01		0.667	-0.069	-0.032	-0.196	0.26	-0.281	-0.049	-0.237
A021827_01		0.371	0.345	0.132	0.099	0.287	0.207	-0.015	0.046
A021828_01	NA	NA		0.291	0.308	NA	NA		0.268
A021829_01		-0.327	-0.198	-0.47	-0.213	-0.456	-0.187	-0.048	-0.248
A021830_01		1.068	0.634	-0.174	NA	0.564	0.48	NA	0.428
A021832_01	NA	NA		0.239	0.056	NA		-0.113	-0.23
A021833_01		0.232	0.372	0.171	-0.198	0.349	0.498	0.832	0.298
A021835_01		0.677	0.517	0.61	0.619	0.288	0.171	-0.046	0.038
A021838_01		-0.186	-0.289	-0.968	-0.585	-0.412	-0.068	-0.334	0.272
A021839_01	NA		0.66	-0.023	-0.149	NA		-0.165	-0.125
A021840_01		0.341	0.168	0.067	NA	0.17	0.149	0.365	NA
A021842_01		0.664	0.504	-0.108	-0.12	-0.019	-0.036	-0.2	-0.068
A021843_01		0.062	0.117	0.121	0.146	0.485	0.659	0.529	0.614
A021845_01		0.183	0.238	-0.405	-0.271	0.287	0.229	0.086	0.213
A021846_01		-0.755	-0.482	0.182	-0.094	-0.256	-0.294	0.145	-0.285
A021848_01	NA	NA		0.34	0.143	NA		0.11	-0.021
A021850_01		0.432	0.578	-0.326	-0.143	1.031	1.222	0.446	1.071

A021851_01		0.376	0.641	0.017	0.001	0.091	0.061	0.136	0.155
A021853_01		0.169	0.173	-0.514	-0.297	0.048	0.29	-0.019	0.319
A021856_01		-0.59	-0.97	-0.675	-0.687	-0.6	-0.625	-0.577	-0.863
A021857_01		-1.219	-1.113	-0.977	-0.839	-1.241	-1.012	-0.828	-0.874
A021858_01		0.151	-0.132	-0.275	-0.128	-0.019	0.008	-0.259	0.057
A021859_01		-0.356	-0.695	-1.203	-0.976	-1.104	-0.827	-0.449	-0.778
A021860_01		0.541	0.271	0.115	0.328	0.079	0.226	0.053	0.255
A021864_01		0.109	-0.068	-0.091	-0.079	-0.282	-0.402	-0.52	-0.412
A021865_01		0.18	0.163	-0.269	-0.155	-0.175	0.174	0.023	0.365
A021866_01		0.018	-0.028	-0.208	0.033	-0.129	0.025	-0.068	0.13
A021867_01		0.655	0.467	-0.111	-0.161	0.294	0.101	0.292	0.395
A021868_01		0.042	0.099	-0.303	-0.114	-0.024	0.201 NA		-0.476
A021870_01		0.441	0.195	-0.3	-0.182	-0.126	-0.042	-0.106	0.162
A021873_01		0.317	0.422	0.345	0.428	0.57	0.779	0.409	0.623
A021874_01		0.499	0.757	0.065	0.268	0.695	1.037	0.32	0.946
A021876_01		0.094	-0.151	0.157	0.021	0.208	0.135 NA		0.489
A021878_01		0.803	0.555	-0.038	0.097	0.183	0.302	0.137	0.342
A021882_01		-0.336	-0.581	-1.56	-1.301	-0.614	-0.455	-0.35	-0.07
A021884_01		-1.484	-1.158	-0.877	-0.592	-0.986	-0.882	-0.905	-0.809
A021885_01		-0.654	-0.45	-0.031	-0.255	-0.377	-0.24	-0.016	-0.286
A021888_01	NA		-0.114	-0.003	-0.023 NA	NA		-0.5	-0.476
A021889_01		-0.894	-0.954	-0.641	-0.457	-0.903	-0.726	-0.718	-0.653
A021890_01		-0.557	-0.197	0.373	0.434	-0.173	-0.101	-0.142	-0.069
A021891_01		-0.868	-0.684	-0.645	-0.471	-0.717	-0.444	-0.543	-0.431
A021893_01		0.699	0.538	0.549	0.361	1.579	1.047	1.172	1.2
A021894_01		0.512	0.674	-0.603	-0.352	0.047	1.004	0.566	1.099
A021895_01		-1.01	-0.291	-0.299	-0.125	-0.217	0.174	-0.317	0.072
A021897_01		-0.183	-0.018	-0.386	-0.389	-0.218	-0.114	-0.172	-0.229
A021898_01		-0.277	-0.223	-0.539	-0.484	0.321	0.261	0.195	0.318
A021899_01	NA	NA		0.397	-0.248	0.034 NA		0.306 NA	
A021900_01		-0.398	-0.335	0.073	-0.136	-0.105	-0.251	-0.174	-0.166
A021901_01		-0.51	-0.219	-1.428	-1.032	-0.748	-0.597	-0.087	0.208
A021903_01		-0.425 NA		-0.592	-0.866	-0.659	-0.62	-0.369	-0.828
A021905_01		-0.976	-0.819	-0.59	-0.306	-1.225	-0.674	-0.547	-0.568
A021906_01		0.954	0.627	0.069	-0.009	0.328	0.278	0.468	0.55
A021907_01		0.279	0.486	-0.084	0.056	0.129	0.434	0.072	0.271
A021908_01		-1.094	-1.117	-0.502	-0.402 NA		-1.065	-0.274	-0.532
A021909_01		-1.291	-1.066	-0.344	-0.39	-0.931	-0.836	-0.732	-1.02
A021913_01		0.974	0.902	0.376	0.427	0.617	1.028	0.699	0.947
A021915_01		0.773 NA		0.45	0.028	0.346	-0.051	0.336	-0.016
A021916_01		0.151	0.242	-0.266	-0.297	0.375	0.501	0.374	0.382
A021920_01		1.102	0.728	0.208	-0.006	0.536 NA		0.354	0.486
A021921_01		0.788	0.583	0.636	0.525	0.63	0.536	0.502	0.561
A021922_01		0.254	0.472	0.267	0.125	0.765	0.763	0.51	0.618
A021924_01		0.616	0.699	-0.171	-0.01	-0.333	0.28	-0.051	0.44
A021926_01		0.358	0.359	-0.383	-0.213	0.304	0.474	0.323	0.731
A021927_01		0.479	0.372	-0.094	-0.1	0.434	0.514	0.368	0.723
A021928_01		0.881	0.631	-0.15	-0.202	0.102	0.223	-0.211	-0.061
A021929_01		0.032	-0.081	-0.33	-0.231	0.204	0.538	0.226	0.489
A021930_01		-1.072	-0.899	-0.749	-0.673	-1.034	-0.795	-0.507	-0.681
A021931_01		-0.977	-1.104	-0.494	-0.379	-1.075	-0.992	-0.759	-0.863
A021932_01		-0.476	-0.837	-0.933	-0.68	-0.628	-0.554	-0.505	-0.414
A021933_01		-0.68	-0.538	-0.571	-0.535	-0.616	-0.587	-0.367	-0.57
A021934_01		-0.32	-0.201	-1.394	-1.118	-0.542	-0.549	0.079	0.192
A021935_01		0.078 NA		0.21	0.003	0.16 NA		-0.219	-0.239
A021937_01		-0.628	-0.764	-1.835	-1.538	-0.388	-0.333	-1.031	-1.244
A021938_01		-0.474	-0.689	-1.034	-0.675	-0.832	-0.71	-0.755	-0.496
A021939_01		-0.21	-0.814	-0.407	-0.421	-0.503	-0.651	-0.446	-0.505
A021941_01		-1.184	-1.787	-2.013	-1.776	-1.922	-1.812	-1.591	-1.615
A021942_01		-0.053	0.2	0.798	0.769	1.023	0.695	0.346	0.234
A021946_01		0.458	0.109	0.246	-0.054	0.096 NA		-0.089 NA	
A021948_01		0.177	0.081	-0.668	-0.517	0.246	0.111	0.473	0.374
A021949_01		-0.222	-0.243	-0.91 NA		-0.526	-0.459 NA		0.204
A021950_01		-0.924	-0.965	-0.841	-0.602	-0.865	-0.712	-0.528	-0.463
A021951_01		0.311	-0.079	-0.014	-0.028	-0.238	-0.457	-0.175	-0.152
A021954_01	NA		-0.29	0.019	-0.152	0.824	0.024	-0.418	-0.738
A021955_01		-0.054	-0.32	-0.457	-0.328	-0.58	-0.594	-0.228	-0.25
A021956_01		-0.35	0.023	-0.022	0.027	0.13	0.336	-0.083	0.099

A021958_01	-0.719	-0.162	-0.208	-0.019	0.15	0.264	-0.186	-0.047
A021959_01	2.149	1.707	-1.954	-1.713	0.221	0.203	2.039	2.371
A021961_01	-0.914	-0.859	-0.898	-0.739	-1.197	-0.682	-0.608	-0.592
A021962_01	-0.957	-0.325	-0.001	0.182	-0.195	0.149	-0.185	0.077
A021963_01	0.462	0.255	0.042	-0.151	0.329	0.312	0.224	0.015
A021966_01	-0.354	-0.444	-1.029	-0.977	-0.886	-0.767	-0.311	-0.347
A021968_01	-0.384	-0.005	-0.52	-0.078	-0.403	0.321	-0.676	-0.236
A021969_01	0.3	0.08	-0.172	-0.164	-0.365	-0.14	-0.17	-0.01
A021970_01	0.111	0.179	-0.033	-0.206	0.221	0.107	0.238	-0.056
A021971_01	-0.934	-0.94	-0.25	-0.276	-0.8	-0.774	-0.386	-0.569
A021976_01	1.959	1.839	-0.014	0.003	-1.403	-1.201	1.234	1.455
A021978_01	-0.311	-0.391	-1.17	-0.883	-1.094	-0.74	-1.132	-1.071
A021979_01	1.332	1.354	-1.213	-0.977	-0.305	-0.388	1.388	1.116
A021980_01	0.622	0.115	-0.709 NA		0.65	0.711	0.502	0.678
A021981_01	0.474	0.133	-0.202	-0.31	0.361	0.847	0.254	0.488
A021982_01	NA	-1.777	-0.757	-0.655	-0.957	-1.39	-1.002	-1.277
A021983_01	0.737	0.376	-0.33	-0.504	-0.223	-0.201	-0.154	-0.483
A021984_01	-0.263	-0.29	-0.151	0.002	-0.176	-0.352	-0.445	-0.428
A021986_01	-0.925	-1.056	-0.304	-0.49	-0.363	-0.481	-0.078	-0.369
A021988_01	0.347	0.461	0.12	0.068	-0.249	-0.031	-0.116	-0.032
A021989_01	0.428	0.092	0.209	0.128	0.147	-0.185	-0.036	-0.042
A021990_01	0.924 NA		0.31	0.423 NA	NA		0.334 NA	
A021992_01	-1.401	-1.467	-0.698	-0.637	-1.075	-0.992	-0.645	-0.772
A021993_01	0.318	0.414	0.041	0.168	0.534	0.862	0.479	0.833
A021994_01	-0.455	-0.585	-0.377	-0.381	-0.845	-0.342	-0.164	-0.172
A021995_01	-0.039	-0.123	-0.446	-0.499	0.052	-0.063	-0.223	-0.322
A021997_01	-2.418	-1.911	-1.083	-0.761	-1.838	-1.448	-1.341	-1.194
A021998_01	-1.581	-1.87	-1.847	-1.442	-2.629	-1.669	-1.512	-1.726
A021999_01	0.126	-0.004	-0.105 NA		0.778	0.755	0.577	0.714
A022000_01	-1.294	-1.917	-1.171	-1.517	-1.502	-1.354	-0.082	-0.123
A022001_01	1.302	1.542	0.06	0.097	-0.915	-0.981	1.189	1.066
A022003_01	-0.057	0.021	-0.098	-0.074	-0.077	-0.215 NA		-0.04
A022005_01	0.085	-0.132	0.208	0.029	0.399	0.29	0.195	0.022
A022006_01	0.116	0.278	-0.073	0.061	0.196	0.622	0.693	0.966
A022009_01	-0.704	-0.924	-0.885	-0.711	-0.796	-0.714	-0.589	-0.669
A022010_01	-1.516	-1.302	-0.832	-0.598	-1.57	-1.003	-0.85	-0.795
A022011_01	-0.338	-0.073	-0.181	-0.058	0.001	-0.044	-0.286	-0.063
A022013_01	-0.466	-0.152	0.271	0.294	-0.181	0.233	-0.281	-0.067
A022014_01	-0.935	-0.292	-0.176	-0.154	-0.397	-0.247	-0.402	-0.297
A022015_01	-0.568	0.304	0.094	0.093	0.825	0.674	0.501	0.602
A022018_01	-0.919	-0.914	-0.501	-0.391	-0.915	-0.722	-0.475	-0.575
A022019_01	0.041	0.058	0.043	-0.001	0.293	0.213	0.283	0.172
A022020_01	-1.44	-1.377	-0.123	0.041	-0.954	-0.876	-0.704	-0.593
A022021_01	-1.195	-1.177	-1.076	-0.678	-1.235	-0.927	-0.864	-0.558
A022022_01	-0.155	-0.227	-0.521	-0.564	-0.586	-0.589	-0.456	-0.589
A022024_01	NA	NA	0.361	0.336	0.164	0.083	-0.11	-0.178
A022025_01	0.137	0.069	0.016	0.01	-0.056	-0.017	-0.267	-0.313
A022026_01	-1.632	-1.411	-0.835	-0.666	-1.284	-1.094	-0.777	-0.785
A022027_01	-0.226	-0.13	-0.38	-0.194	-0.859	-0.433	-0.053	0.065
A022029_01	-0.511	0.222	-0.029	-0.045	-0.113	0.598	0.789	0.84
A022033_01	-0.095	-0.242	-0.471	-0.317	-0.247	-0.414	-0.128	-0.094
A022034_01	-0.725	-0.234	0.098	0.113	-0.034	0.203	0.082	0.25
A022038_01	-0.25	0.019	-0.032	0.065	-0.089	0.142	-0.071	0.02
A022039_01	-0.976	-0.552	-1.404	-1.127	-1.411	-1.177	-1.203	-1.316
A022040_01	-0.287	-0.202	-0.32	-0.32	0.093	0.091	0.187	0.079
A022043_01	-1.931	-1.44	-0.138	0.01	-1.436	-1.143	-1.014	-0.81
A022044_01	-1.805	-1.809	-0.521	-0.444	-1.318	-1.148	-0.844	-1.005
A022045_01	-0.055	-0.012	0.16	0.182	0.253	0.773	0.818	0.946
A022046_01	NA	NA	-0.348	-0.279 NA	NA		-0.74	-0.717
A022047_01	-0.85	-1.059	-0.987	-0.759	-1.178	-0.962	-0.681	-0.809
A022048_01	NA	0.241	-0.801	-0.813 NA		0.075	-0.029	-0.175
A022077_01	0.834	0.777	0.146	0.094	0.739	1.082	0.636	0.928
A022102_01	-0.057	0.245	-0.132	-0.213	-0.16	-0.351	-0.271	-0.559
A022105_01	0.807	0.724	-0.352	-0.223	0.299	0.479	0.589	0.988
A022107_01	-1.255	-1.204	-0.489	-0.492	-1.006	-0.821	-0.411	-0.78
A022112_01	0.444	0.777	-0.076	-0.049	0.169	0.81	0.76	1.044
A022113_01	-0.464	-0.11	-0.476	-0.253	-0.656	-0.245	-0.407	-0.257
A022117_01	-0.132	-0.014	0.114	0.018	0.222	0.194	0.397	0.166

A022118_01		0.279	0.368	-0.098	-0.033	-0.026	0.307	0.136	0.374
A022120_01		0.483	0.442	-0.289	-0.291	0.58	0.78	0.519	0.65
A022121_01		0.399	0.03	-0.674	-0.603	-0.232	-0.25	-0.336	-0.163
A022125_01		0.732	0.491	0.19	-0.002	0.405	0.291	0.617	0.488
A022126_01		0.487	0.24	-0.223	-0.247	0.421	0.497	0.277	0.124
A022130_01		0.282	0.127	-0.222	-0.216	0.294	0.19	0.062	0.058
A022138_01	NA		-0.451	0.318	0.262	0.14	0.281	0.079	0.113
A022140_01		0.481	0.268	0.025	-0.079	0.101	NA	NA	0.268
A022156_01	NA		-0.016	0.236	0.089	NA	0.297	0.238	0.391
A022163_01		-0.211	-0.05	-0.399	-0.368	0.036	0.148	0.125	0.178
A022164_01	NA		-1.363	0.043	-0.007	-0.876	NA	NA	-0.567
A022171_01		-0.046	-0.011	0.039	0.048	-0.188	0.106	-0.022	0.053
A022183_01		-0.514	-0.08	0.153	0.094	0.183	0.149	0.357	0.273
A022196_01		0.07	-0.151	0.247	-0.074	0.001	-0.148	0.044	-0.377
A022202_01		0.091	-0.211	-0.823	-0.93	-0.452	-0.526	-0.299	-0.439
A022215_01		-0.098	0.122	0.229	0.15	-0.021	0.065	-0.03	-0.124
A022218_01		0.093	NA	0.292	0.068	-0.25	NA	-0.212	-0.402
A022230_01		0.233	0.087	0.173	-0.128	0.265	0.108	0.558	0.192
A022248_01	NA		NA	0.203	0.048	NA	0.019	0.151	-0.028
A022267_01	NA		NA	-0.209	-0.406	NA		-0.05	-0.535
A022269_01		0.413	0.496	0.514	0.198	0.656	0.412	0.352	0.397
A022275_01		-0.837	-0.524	-1.163	-1.242	-0.874	-0.672	-0.633	-0.545
A022279_01		-0.062	0.114	0.023	-0.128	0.324	0.117	0.228	0.097
A022282_01		-0.008	-0.335	-0.533	NA	-0.675	NA	NA	NA
A022283_01		0.372	0.249	0.384	0.091	0.772	0.374	0.607	0.306
A022300_01	NA		NA	0.444	NA	NA	NA	NA	NA
A022304_01		0.679	0.612	0.227	NA	0.3	0.088	NA	NA
A022306_01		0.645	0.621	0.544	0.367	0.411	0.515	0.301	0.285
A022311_01	NA		NA	0.266	0.106	NA		-0.07	-0.138
A022316_01	NA		NA	-0.198	-0.241	0.199	0.065	-0.287	-0.365
A022324_01		-0.005	0.267	-0.82	-0.942	-0.918	-0.577	-0.744	-0.893
A022328_01		0.22	0.105	0.002	0.086	-0.178	-0.145	-0.051	-0.035
A022329_01	NA		NA	0.27	-0.016	NA	0.425	0.749	0.66
A022339_01	NA		NA	1.012	0.661	NA		0.036	-0.14
A022358_01		1.072	0.944	0.576	0.384	0.777	0.67	0.581	0.609
A022365_01		0.128	NA	0.32	0.21	0.692	0.622	0.47	0.449
A022367_01		0.566	0.105	0.088	-0.12	0.268	0.224	0.186	0.239
A022377_01		0.134	0.363	0.21	0.161	0.339	0.541	0.438	0.368
A022381_01		-0.731	-0.77	-0.488	-0.551	-0.376	-0.427	-0.209	-0.432
A022386_01		0.413	0.206	0.522	0.192	0.4	0.281	0.276	0.03
A022394_01		-1.218	-1.008	0.02	-0.053	-0.599	-0.418	0.167	0.089
A022401_01		0.2	0.58	0.423	0.504	-0.392	-0.086	-0.309	-0.255
A022405_01		0.492	0.404	0.435	0.293	0.372	0.22	0.288	0.213
A022406_01	NA		NA	-0.003	-0.234	NA	NA	NA	-0.367
A022410_01	NA		NA	-0.3	NA	NA		0.318	0.397
A022417_01		-0.097	0.104	-0.264	-0.211	-0.008	0.2	-0.213	-0.158
A022434_01	NA		NA	0.189	0.07	NA		-0.258	-0.319
A022436_01		0.759	0.776	0.177	0.063	0.557	0.626	0.59	0.592
A022444_01		-0.81	NA	0.381	0.207	0.478	0.418	0.471	0.412
A022447_01		0.65	0.492	-0.364	-0.242	0.363	0.232	-0.072	0.075
A022451_01		0.682	0.423	-0.239	NA	-0.174	NA	NA	NA
A022457_01		0.172	NA	-0.088	-0.268	0.189	-0.298	-0.028	-0.281
A022479_01	NA		-0.289	0.109	0.035	-0.196	-0.344	-0.097	-0.184
A022485_01	NA		NA	0.24	0.041	NA	NA	0.421	0.111
A022486_01	NA		NA	-0.132	-0.334	NA	NA	-0.137	-0.486
A022488_01		-0.544	-0.3	-0.052	-0.113	0.167	-0.037	0.233	0.104
A022495_01	NA		NA	0.069	-0.117	NA	NA	NA	NA
A022502_01		0.223	0.233	0.262	0.042	0.45	0.562	0.56	0.518
A022509_01		-0.129	-0.188	-0.123	-0.258	-0.389	-0.353	-0.137	-0.28
A022534_01	NA		-0.553	-0.068	-0.303	NA	-0.394	-0.125	-0.395
A022541_01		-0.107	-0.138	-0.323	-0.347	NA	0.043	-0.37	-0.299
A022543_01		0.353	0.121	0.435	0.22	0.753	0.399	0.35	0.25
A022546_01		-0.227	-0.731	NA	NA	NA	NA	NA	NA
A022551_01		0.301	0.079	-0.508	-0.416	-0.189	-0.159	-0.267	-0.295
A022555_01		0.146	0.07	0.362	0.124	0.272	0.181	0.192	-0.043
A022556_01		0.641	0.586	-0.228	-0.321	0.445	0.536	0.176	0.17
A022560_01		0.389	0.136	-0.045	-0.188	0.227	-0.081	0.397	0.341
A022565_01		0.644	0.443	-0.046	-0.127	0.289	-0.104	0.037	-0.112

A022569_01	NA	NA		-0.239	-0.359	NA	NA		-0.397	-0.35	
A022570_01		1.29	1.097	-0.467	-0.394		0.156	0.329	-0.199	0.141	
A022571_01		0.792	0.325	-0.043	-0.036		0.53	0.026	0.051	-0.107	
A022583_01		0.025	0.051	-0.604	-0.53		-0.301	0.046	0.081	0.36	
A022592_01		0.296	0.096	0.283	0.143		0.329	0.264	0.142	0.242	
A022599_01		0.102	0.1	0.349	0.195		0.838	0.541	0.797	0.884	
A022600_01		0.111	0.052	-0.096	-0.004		0.053	0.01	0.161	0.308	
A022619_01		1.379	0.95	-0.554	NA		0.779	0.563	0.455	0.735	
A022624_01		0.895	0.792	0.35	NA		0.51	0.474	0.734	0.675	
A022627_01		-0.538	-0.347	0.061	0.089		0.333	0.018	0.141	0.197	
A022634_01		0.113	0.129	0.423	0.06		0.374	0.215	0.319	0.244	
A022635_01		-0.074	-0.206	-0.851	-0.925		-0.674	-0.582	-0.516	-0.591	
A022637_01		-0.289	0.199	0.625	0.35		0.449	0.394	0.382	0.221	
A022643_01		0.799	0.628	0.413	0.126		0.442	0.143	0.521	0.196	
A022657_01		0.862	0.726	0.246	0.174		0.596	0.542	0.742	0.864	
A022664_01		-0.041	NA	0.253	NA		0.343	NA	0.292	NA	
A022666_01		-0.404	NA	0.426	0.316		0.465	0.346	0.079	-0.051	
A022671_01		0.41	0.135	0.313	-0.15		0.4	0.27	0.378	0.056	
A022689_01		-1.004	-0.573	-1.468	-1.22		-0.656	-0.704	-0.864	-1.024	
A022702_01		0.387	0.104	-0.85	-0.859		-0.446	-0.539	-0.243	-0.504	
A022705_01	NA	NA		-0.009	-0.301	NA	NA		-0.249	-0.573	
A022708_01	NA	NA		0.289	0.009		0.475	0.347	0.19	-0.028	
A022729_01		1.115	0.824	0.612	0.44		1.397	1.074	0.259	0.186	
A022731_01		-0.203	NA	-0.409	NA		NA	NA	NA	NA	
A022735_01		0.941	0.656	-0.691	-0.808		0.53	0.6	-0.03	0.119	
A022749_01	NA	NA		0.088	-0.175		-0.078	-0.677	0.167	-0.254	
A022755_01		-1.03	-0.686	0.093	0.081		-0.25	-0.161	-0.393	-0.303	
A022764_01		1.022	NA	0.526	0.155		0.62	0.307	0.152	-0.026	
A022765_01		0.561	0.417	0.242	-0.023		0.424	0.322	0.649	0.414	
A022779_01		0.123	-0.151	-0.381	-0.326		-0.547	-0.811	-0.534	-0.674	
A022781_01		-0.461	-0.284	0.189	0.141		0.384	0.217	0.532	0.502	
A022790_01		-0.429	-0.261	-0.956	-0.958		-0.786	-0.781	0.014	-0.152	
A022796_01		0.714	0.42	0.201	0.068		0.57	0.451	0.4	0.28	
A022801_01		0.513	0.2	0.1	-0.237		0.381	0.241	0.413	0.153	
A022804_01		0.35	0.194	0.379	0.131		0.557	0.561	0.977	0.767	
A022808_01		0.203	NA	0.635	0.378		0.526	NA	0.446	0.202	
A022817_01		-0.307	-0.131	0.027	NA		0.43	0.177	0.12	0.232	
A022821_01		-1.802	NA	NA			-2.414	NA	-1.884	-1.826	NA
A022839_01		-0.38	NA	-0.013	-0.197		-0.139	-0.297	-0.243	-0.363	
A022844_01		-1.106	-1.452	-0.39	-0.547		-1.137	-0.998	-0.53	-0.832	
A022850_01		-0.479	-0.282	NA	NA		-1.55	-1.121	NA	NA	
A022862_01	NA	NA		-0.665	-0.612		-0.541	-0.589	-0.367	-0.307	
A022865_01		-0.383	-0.407	-0.114	NA		-0.344	-0.54	0.082	NA	
A022874_01		-0.623	-0.438	0.111	0.103		0.1	0.167	-0.154	-0.216	
A022882_01		-0.152	-0.332	-0.358	-0.301		-0.688	-0.747	-0.299	-0.374	
A022901_01		0.333	0.159	0.191	NA		0.489	0.407	0.364	NA	
A022911_01		-0.306	-0.226	-0.38	-0.28		-0.029	0.009	-0.293	-0.14	
A022916_01		0.439	0.225	0.397	0.283		0.511	0.241	0.273	0.318	
A022919_01		-0.918	-1.201	-0.812	-0.68		-1.193	-1.206	-0.703	-0.646	
A022922_01		0.416	0.014	-0.155	-0.276		-0.216	-0.179	0.054	-0.025	
A022927_01		-0.297	0.145	0.207	0.308		0.582	0.499	0.399	0.409	
A022948_01		0.655	0.884	-0.489	-0.543		0.602	0.898	0.914	1.17	
A022952_01		0.338	0.042	-0.284	-0.288		0.157	-0.062	0.115	-0.009	
A022967_01		0.413	0.036	NA	NA		NA	NA	NA	NA	
A022968_01		0.084	-0.089	-0.175	-0.242		-0.311	-0.418	0.218	0.122	
A022972_01		0.706	0.485	-0.019	-0.292		0.436	0.366	0.396	0.471	
A022975_01		0.432	0.088	0.11	-0.083		0.023	0.032	0.081	-0.145	
A022983_01		-0.28	NA	0.409	0.433		0.25	NA	-0.003	0.023	
A022984_01	NA	NA		0.242	0.052		-0.085	-0.312	0.293	0.006	
A022987_01		0.421	0.665	0.325	0.355		-0.044	0.447	0.227	0.47	
A022990_01		-0.186	-0.825	-1.284	-1.036		-0.815	-1.317	-0.703	-0.693	
A022991_01	NA	NA		0.227	0.16	NA	NA		0.301	0.339	
A022993_01		0.502	0.479	0.15	0.057		0.274	0.149	0.049	0.066	
A022996_01		-0.064	NA	-0.107	NA		0.427	0.483	0.413	0.407	
A022999_01	NA	NA		-0.602	NA		NA	-1.117	NA	NA	
A023023_01		-0.934	-0.468	0.036	0.074		0.452	0.272	0.053	-0.031	
A023027_01		0.237	0.065	-0.71	-0.629		0.315	0.307	0.289	0.241	
A023029_01		0.773	0.661	0.024	-0.307		0.558	0.498	0.321	0.029	

A023030_01		0.034 NA		-0.076		-0.081		0.121 NA		-0.231		-0.16
A023035_01		0.987	0.447 NA		NA			0.118	0.332		0.326 NA	
A023040_01		0.135 NA		0.301 NA				0.073 NA	NA		NA	
A023041_01		0.256	0.12	0.061		-0.144		0.206	-0.026		0.3	-0.041
A023043_01	NA		NA	0.081		-0.125 NA		NA			0.183	-0.003
A023045_01		0.632	0.454	0.188		0.075		0.618	0.412		0.618	0.417
A023054_01	NA		NA	-0.126		-0.097		0.033 NA			-0.177	0.181
A023061_01		1.103 NA		0.369 NA		NA		NA	NA		NA	
A023066_01		0.114	0.117	-0.04		-0.048		0.051	-0.058		0.099	0.025
A023075_01		-0.37	-0.178	-0.061		-0.106		-0.523	-0.022		-0.425	-0.206
A023079_01		-1.133 NA		-1.144		-1.139 NA			-1.766		-1.303	-1.142
A023080_01		-0.505	-0.23	0.166		0.058		0.103	0.052		0.121	-0.044
A023089_01		0.647	0.353	0.204		-0.134		0.414	0.077		0.369	0.284
A023091_01	NA		NA	1.056		0.725		1.317	0.859		0.705	0.523
A023102_01	NA		NA	0.233 NA		NA		NA			0.489	0.297
A023109_01		0.288	0.148	0.065		0.018		-0.054	-0.054		-0.086	-0.158
A023113_01		0.456	0.382	0.071		-0.029		-0.108	-0.047		0.2	0.118
A023114_01		0.551	0.421	-0.218		-0.39		0.487	0.16		-0.006	-0.145
A023119_01		0.128	0.037	-0.205		-0.288		0.406	0.311		0.429	0.001
A023126_01		0.673	0.342	0.258		0.014		0.268 NA			0.2	-0.127
A023130_01		-0.025	-0.254	-0.38 NA				-0.079	-0.575		-0.299 NA	
A023136_01		-0.739	-0.523	0.441		0.326		0.107	0.22		0.292	0.202
A023137_01		-1.223	-1.003	-0.349		-0.239		-0.83	-0.817		-0.628	-0.551
A023138_01		0.071	0.21	0.207 NA				0.618	0.591		0.629	0.963
A023148_01		0.703	0.55	0.351		0.126		0.184	0.057		0.357	0.266
A023158_01		-0.244	-0.106	-0.18 NA				-0.568 NA	NA		NA	
A023159_01		0.332	0.308	-0.127		-0.076		0.25	0.494		0.629	0.755
A023163_01		-0.574 NA		-0.079 NA				-0.166	-0.414		0.262	0.118
A023177_01		0.155	0.104	-0.269		-0.343		-0.243	0.045		0.123	0.058
A023183_01		-1.255	-0.721	0.146		0.057		-0.157	-0.062		0.017	-0.144
A023185_01		-0.23	0.12	0.387		0.117		0.224	0.285		0.285	0.011
A023186_01		-0.186	-0.134	0.05		-0.039		-0.239	-0.262		0.142	0.027
A023188_01		-0.565	-0.499	0.356		0.257		0.154	0.011		0.043	-0.025
A023198_01	NA		NA	-0.965 NA		NA		NA	NA		NA	
A023199_01		1.244	0.523	-0.042		-0.129		1.167	0.596		0.581	0.544
A023202_01		-0.854 NA		0.152		0.066		-0.213	-0.512		-0.47	-0.574
A023223_01	NA		NA	0.525		0.298 NA		NA			0.263	0.219
A023228_01		-0.145	0.219	0.41		0.257		0.681	0.536		0.665	0.656
A023230_01		-0.637	-0.068	0.083		0.185		-0.28	-0.323		-0.131	-0.052
A023232_01	NA		-0.326	0.222		0.21		-0.096 NA	NA			0.041
A023237_01		-0.856	0.377	0.124		-0.127		-0.582	0.357 NA			0.231
A023239_01		0.286 NA		-0.405		-0.572		0.182	-0.097		-0.224	-0.247
A023241_01		0.307	0.294	-0.059		-0.052		0.177	0.163		0.29	0.361
A023242_01		-0.764	-0.589	0.594		0.419		0.228	0.401		0.339	0.41
A023250_01		-0.18	0.375	-0.54		-0.254		-0.313	0.921		0.381	0.919
A023252_01		-0.213	-0.147	0.193		-0.064		0.02	-0.356		-0.268	-0.524
A023259_01		0.401	0.279	0.314		0.089		0.715	0.615		0.762	0.558
A023272_01		0.329	0.314	0.546		0.583		0.429	0.739		0.633	0.831
A023277_01		0.998	0.779	0.565		0.405		0.97	0.883		0.669	0.661
A023279_01		0.056	0.176	0.085		-0.035		-0.139	0.006		0.618	0.523
A023283_01		-0.59 NA		0.742		0.579		0.467	0.608		0.674	0.845
A023287_01	NA		NA	0.24 NA		NA		NA			0.406 NA	
A023290_01		0.674 NA		0.351		-0.147		0.385	0.1		0.354	-0.099
A023297_01		-0.343	-0.466	-0.109		-0.353		-0.295	-0.254		0.003	-0.334
A023312_01		0.916	0.322	0.314		-0.017		0.313	0.4		0.514	0.318
A023324_01		0.155	-0.104	-1.066		-1.108		-0.498	-0.428		-0.288	-0.108
A023329_01		0.283	0.155	0.38		0.031		0.398	0.28		0.445	0.293
A023335_01		0.415 NA		-0.487 NA				-0.359	-0.533 NA		NA	
A023339_01		-0.142	-0.111	-0.002		0.072		-0.279	-0.246		-0.066	0.19
A023346_01		0.673 NA		0.115 NA				-0.014 NA			-0.024 NA	
A023347_01	NA		-0.985	-0.483		-0.318		-0.124	-0.9		-0.669	-0.7
A023348_01	NA		NA	-0.046		-0.201 NA		NA			0.021	0.159
A023353_01		-0.063	0.03	0.332		0.193		0.41	0.321		0.285	0.4
A023354_01		0.723	0.65	0.179		0.036		0.297	0.519		0.496	0.606
A023363_01		-0.274	-0.335	-0.473		-0.386		-0.631	-0.485		-0.287	-0.421
A023376_01	NA		NA	-0.14		-0.345 NA		NA			0.279	0.167
A023378_01		-0.301	-0.219	-0.141		-0.063		-0.147	-0.02		-0.187	-0.241
A023386_01		-0.043	0.243	0.298		0.141		0.365	0.383		0.649	0.567

A023389_01		-0.108 NA		-0.859	-0.366	-0.363 NA		-0.358	-0.032
A023404_01		0.945	0.625 NA	NA		0.186	0.19 NA	NA	
A023424_01	NA	NA		0.036	-0.102	0.441	0.525	0.275	0.399
A023428_01	NA	NA		0.113	-0.098 NA	NA		-0.375	-0.534
A023431_01		0.935	0.176	-0.539	-0.323 NA	NA		-0.676	-0.614
A023433_01		1.033	0.884	0.309	0.077	0.912	0.834	0.525	0.448
A023440_01		0.473	0.649	0.423	0.191	0.952	0.557	0.591	0.47
A023441_01		0.584 NA		0.407	0.179	0.742	0.299	0.124	0.078
A023443_01	NA	NA		0.305	0.157 NA	NA	NA		0.094
A023453_01		0.236	0.144	-0.162	-0.076	-0.045	0.111	0.169	0.377
A023457_01		-1.559	-1.351	-0.553	-0.441	-1.3	-1.041	-0.767	-0.854
A023470_01		0.299	0.092	-0.576	-0.386	-0.115	-0.07	0.03	0.102
A023473_01	NA	NA		-0.178	-0.419 NA	NA		-0.104	-0.282
A023476_01		-0.852	-0.71	-1.002	-1.022	-1.13 NA		-0.683	-0.709
A023491_01		-0.036	-0.033	0.171	-0.013	0.79	0.7	0.569	0.382
A023504_01		0.418	0.317	0.438	0.264	0.645	0.669	1.135	1.101
A023507_01		0.907	0.654	0.029	0.091	0.285	0.474	-0.054	0.395
A023523_01		0.476	0.456	-0.051	-0.244	0.378	0.521	0.848	0.694
A023537_01	NA	NA		0.373	0.342	0.654	0.558	0.528	0.59
A023546_01		0.234	-0.159	0.129	-0.173 NA		-0.253	-0.205	-0.435
A023566_01		-0.187	-0.342	-0.341	-0.404	-0.148	-0.147	0.215	0.457
A023589_01		0.484	0.193	-0.075	-0.276	-0.096	-0.136	0.12	0.056
A023607_01		0.662 NA		-0.034 NA		0.125 NA	NA	NA	
A023609_01		0.166	0.084	0.077	0.047	-0.277 NA		-0.176	-0.07
A023620_01		0.518	0.403	0.258	0.3	0.445	0.687	0.913	1.158
A023621_01		-0.61	-0.391	0.322	0.123	0.438	0.388	0.279	0.137
A023622_01		0.531 NA		0.311	0.017	0.065	-0.093	0.149	-0.115
A023623_01		-1.18	-0.336	-0.319	-0.247	0.318	0.2	0.228	0.015
A023629_01	NA	NA		-0.377	-0.436 NA	NA		-0.297	-0.33
A023630_01		0.502 NA		-0.453	-0.244	0.364 NA		-0.154 NA	
A023652_01		0.287	0.202	-0.207 NA		0.213	0.173 NA	NA	
A023658_01	NA	NA		-0.007	-0.016 NA	NA		-0.041	-0.313
A023665_01		-0.296	-0.057	-0.381	-0.363	0.184	0.179	0.526	0.368
A023672_01		0.493	0.619	0.178	-0.013	0.264	0.091	0.062	0.077
A023685_01	NA	NA		0.237	0.169 NA	NA		0.305	0.484
A023689_01		0.648	0.341	0.417	0.242	0.586	0.668 NA		0.917
A023712_01	NA		-1.614	-0.062	-0.057	-0.444	-0.324	-0.175	0.043
A023721_01		1.002	1.165	-0.447	-0.504	0.195	0.31	0.416	0.469
A023735_01	NA	NA		0.017	-0.111 NA	NA		0.137	0.264
A023745_01	NA	NA		0.32	0.11	-0.406 NA		0.142	0.016
A023754_01		0.369	0.255	-0.294	-0.121	-0.095	-0.152	-0.061	0.141
A023756_01		0.111	0.203	-0.248	-0.263	-0.443	-0.243	-0.382	-0.233
A023760_01		0.508	0.413	-0.737	-0.56	0.497	0.291	-0.048	0.147
A023776_01	NA	NA		0.751	0.425 NA	NA		-0.117	-0.17
A023797_01		0.34	0.406	0.032	-0.005	-0.076	-0.099	0.215	0.264
A023802_01		0.637	0.661 NA	NA		0.788	0.87 NA		1.394
A023806_01	NA	NA		-0.153	-0.475 NA	NA		-0.601	-0.732
A023808_01		0.239	0.165	-0.008	-0.067	0.186	0.078	0.087	0.096
A023814_01		0.262	0.467	0.028	0.21	0.142	0.541	0.298	0.65
A023818_01	NA	NA		-0.604	-0.601 NA	NA		0.295	0.278
A023824_01		-1.006	-1.081	0.048	0.045	-0.658	-0.62	-0.082	-0.296
A023852_01		0.273	0.253	0.551	0.137	0.402	0.278	0.337 NA	
A023870_01		0.53	0.382	-0.09	-0.102	0.458	0.326	0.333	0.426
A023876_01		0.207 NA		-0.063	-0.258	0.225	0.109	0.323	0.279
A023896_01	NA		0.236	0.531	0.346	1.006	0.67 NA		0.877
A023897_01		0.433	0.344	-0.139	0.013	0.069	0.041	0.102	0.349
A023902_01		0.721	0.372	0.04 NA	NA		0.085 NA	NA	
A023904_01		-0.262	-0.528	-0.192	-0.057	-1.062	-1.002	-0.986	-0.875
A023913_01		0.137	-0.347	-0.655	-0.589	-0.013	-0.364	-0.113	-0.312
A023941_01	NA	NA		-0.233	-0.254 NA		-0.578	-0.163	0.136
A023943_01		0.849	0.712	0.112	0.073	0.505	0.211	0.392	0.368
A023982_01	NA	NA		0.005 NA	NA	NA		-0.436 NA	
A023987_01	NA	NA		-0.137	-0.26 NA	NA		0.002	-0.283
A023993_01	NA		-0.855	-0.018	0.006	0.042	-0.14	0.011	0.11
A023994_01		0.588	0.211	-0.516 NA	NA		0.178 NA	NA	
A023999_01		-0.826 NA		-0.216 NA		0.007	-0.237	0.23 NA	
A024001_01	NA	NA		0.007	-0.473	-0.338 NA		-0.262 NA	
A024024_01		-0.148	-0.184	-0.541	-0.595	-0.341	-0.239	-0.272	-0.151

A024026_01		0.236	0.476	0.336	0.12	0.786	0.489	0.487	0.319
A024027_01		0.533 NA		-0.012	-0.191 NA	NA		-0.281	-0.446
A024030_01	NA		0.017	0.253 NA		0.481	0.205	0.486	0.155
A024035_01		0.171	0.048	0.004	-0.064	0.17	0.133	0.063	0.108
A024038_01		1.503	0.978	-0.472	-0.116	0.906	1.018	1.407	1.828
A024039_01		1.005	1.204	-0.138	-0.108	0.241	0.446	0.723	0.759
A024040_01		0.223	0.381	-0.206	-0.247	-0.062	-0.061	0.408	0.34
A024042_01		0.639 NA		0.182	0.217	0.346 NA		0.021	0.028
A024046_01		0.475	0.399	0.367	0.172	0.285 NA	NA		0.34
A024056_01		-0.134	-0.058	0.258	0.167	-0.235	-0.087	0.15	-0.044
A024063_01		0.057	0.201	0.231	0.412	0.528	0.909	0.644	0.841
A024067_01		0.336	0.67	-0.049	-0.004	0.254	0.64	0.302	0.345
A024071_01	NA	NA		0.238	-0.135	0.589	0.47	0.178	0.321
A024074_01		0.652	0.228	-0.022	-0.195	0.336	0.212	0.16	0.071
A024084_01		0.397	0.218	0.31	0.01	0.186	0.067	0.193	0.081
A024086_01		-0.741	-0.197	0.068	0.027	0.18	0.281	-0.073	-0.018
A024089_01	NA	NA		0.013 NA	NA	NA		-0.041 NA	
A024092_01		0.34	0.491	0.335	0.174	0.492	0.496	0.557	0.486
A024099_01		0.361	0.119	-0.183	-0.502	0.914	0.694	0.21	0.4
A024101_01		0.279	-0.089	-0.264	-0.226	-0.472	-0.71	-0.255	0.002
A024105_01		-1.003	-0.912	-0.641	-0.659	-1.2	-0.854	-0.577	-0.654
A024106_01		0.252	0.295	0.129	-0.041	0.319	0.115	0.171	0.008
A024107_01		0.202	0.305	0.429	0.269	0.831	0.528	0.444	0.456
A024109_01		0.79	0.446 NA	NA		0.384	0.389	0.417	0.648
A024112_01		-0.606	-0.486	-0.884	-0.805	-0.584	-0.376	-0.351	-0.324
A024113_01		-0.828 NA		0.33	0.122	-0.41	-0.516	-0.389	-0.413
A024114_01		0.033	-0.099	0.505	0.342	-0.282	-0.324	-0.201	-0.215
A024115_01		0.129 NA		0.194	0.2	-0.11 NA		-0.126	-0.124
A024116_01		-0.832	-0.717	0.184	-0.055	-0.352	-0.234	0.075	-0.211
A024118_01	NA	NA		0.265	0.216 NA	NA		-0.264	-0.428
A024123_01		0.021	0.004	0.275	0.002	0.406	0.076	0.529	0.339
A024128_01		-0.025	-0.02	-0.032	-0.034	-0.264	-0.028	0.078	0.088
A024151_01	NA	NA		0.033	-0.144	0.093 NA		-0.084	-0.327
A024153_01		0.365	0.29	-0.279	-0.305	-0.083	0.032	0.081	0.166
A024157_01	NA	NA		0.485	0.184	0.729	0.387	0.168	0.085
A024160_01		0.621	0.229	0.413	0.064	0.496	0.171	0.241	-0.031
A024161_01		0.148	0.287	0.233	0.183	0.053	0.121	0.116	0.139
A024166_01	NA	NA	NA	NA	NA	NA		0.126 NA	
A024169_01		0.289	0.294	-0.712	-0.629	-0.586	-0.191	-0.39	-0.046
A024172_01		-1.114 NA		0.202	0.112	0.141 NA		-0.005	-0.221
A024173_01		0.097	-0.006	0.371	0.047	0.178	0.033	0.374	0.116
A024174_01		-0.783	-0.534	0.005	-0.014	-0.687	-0.886	-0.737	-0.859
A024175_01	NA	NA		0.259	-0.021	-0.236 NA		-0.072	-0.148
A024176_01		0.582	0.327	-0.542	-0.245	-0.226	0.241	-0.249	0.262
A024180_01		0.254	0.072	-0.049	-0.218	0.443	0.357	0.571	0.372
A024181_01		-0.224	-0.293	0.534	0.31	0.401	0.125	0.194	0.018
A024182_01		0.673	0.593	0.275	0.242	0.75	1.062	1.219	1.25
A024183_01		0.1	0.265	0.284	0.096	0.43	0.413	0.712	0.626
A024184_01		-0.671	-0.502	0.312	0.042	-0.108	-0.337	0.158	-0.204
A024187_01		0.008	-0.139	0.261	0.068	0.386	0.288	0.333	0.109
A024188_01		-0.224	0.174	-0.455	-0.254	0.191	0.476	0.277	0.454
A024191_01		0.301	0.14	0.05	0.009	0.243	0.062	-0.103	0.059
A024192_01		0.13	0.79	0.234	0.234	-0.162	0.038	0.178	0.37
A024193_01	NA	NA		-0.2	-0.244 NA	NA		0.339	0.324
A024195_01		0.153	0.284	0.156	-0.033	-0.044	0.124	0.308	0.051
A024196_01		0.545 NA		-0.175	-0.25	0.129 NA		-0.006	0.011
A024197_01		-0.371	-0.215	0.119	0.043	0.194	-0.059	0.03	-0.034
A024199_01	NA	NA		0.398	0.1	-0.341 NA		-0.076	-0.237
A024201_01	NA	NA		0.125	0.178 NA		0.159	-0.052	0.033
A024207_01		-0.35 NA		0.705	0.44	0.038	0.23	0.081	-0.052
A024209_01		-0.498	-0.366	-0.108	-0.097	-0.323	-0.1	-0.152	-0.031
A024211_01		-0.694	-0.353	0.138	0.116	0.281	0.252	0.138	0.299
A024212_01		0.127	0.044	0.138	0.089	0.023	0.042	0.14	0.12
A024214_01		0.05 NA		0.517	0.433	0.314 NA		0.13	0.078
A024215_01		-0.706	-0.74	-0.578	-0.538	-0.844	-0.796	-0.621	-0.7
A024219_01		-0.856	-0.182	-0.556	-0.555	-0.06	0.151	0.168	0.129
A024220_01	NA	NA		0.348	0.379 NA	NA		-0.488	-0.503
A024222_01		-0.293	-0.297	-0.05 NA		-0.091	-0.002	-0.14	-0.165

A024223_01		0.568 NA		0.177 NA		0.473 NA		0.298 NA	
A024224_01		0.069	0.112	0.127	0.085	0.047	0.031	0.239	0.046
A024226_01	NA	NA		-0.811 NA	NA	NA		-0.293	-0.316
A024227_01	NA	NA		-0.202	-0.352 NA	NA		-0.504	-0.872
A024228_01		0.482	0.335	0.126	-0.217	0.573	0.249	0.736	0.455
A024229_01	NA	NA		0.134	0.02 NA	NA		0.329	-0.009
A024230_01		-0.161	-0.056	0.578	0.499	-0.705 NA		-1.31	-1.54
A024232_01		0.279	0.263	0.162	0.124	0.589	0.575	0.519	0.559
A024235_01		0.313	0.206	0.154 NA		0.276	0.347	0.339	0.33
A024236_01		0.27	0.174	-0.079	-0.271	-0.218	-0.347	-0.036	-0.197
A024237_01		0.033	-0.245	-0.341	-0.376	-0.64	-0.47	-0.684	-0.271
A024239_01		0.419	0.103	-0.231	-0.416	-0.184	-0.117	0.242	0.171
A024241_01	NA	NA		0.389	0.044 NA	NA		-0.099	-0.353
A024242_01		0.363	0.349	-0.135	0.126	0.314	0.181	0.047	0.239
A024243_01		0.161	0.718	0.055	-0.167	0.275	0.099 NA		0.498
A024246_01		-0.304	-0.18	0.215	0.107	-0.052	-0.029	-0.104	-0.049
A024247_01	NA	NA		-0.329 NA	NA	NA		0.43	0.267
A024248_01		1.105	0.814	-0.728	-0.69	-0.191	-0.429	-0.234	-0.181
A024249_01		-0.103	0.146	0.028	-0.047	0.429	0.339	0.325	0.322
A024250_01		0.817	0.866	-0.226	-0.047	0.037	0.627	0.267	0.891
A024251_01		-0.129	-0.146	0.283	0.016	-0.152	-0.069	0.125	0.106
A024253_01		0.078	0.008	-0.133	-0.323	0.014	-0.08	0.287	0.106
A024255_01		0.413	0.495	-0.729	-0.775	-0.277	-0.071	-0.158	-0.096
A024257_01		0.519	0.085	0.197	-0.028	0.026	-0.096	0.112	-0.017
A024258_01		-0.071	-0.003	-0.285	-0.426	-0.014	-0.076	0.395	0.334
A024259_01		-2.452	-2.755	-1.599	-1.363	-1.379	-1.225	-1.016	-1.089
A024261_01		0.127	-0.001	-0.122	0.077	-0.26	0.092	-0.421	0.135
A024262_01	NA	NA		-0.261	-0.483 NA	NA		0.025	-0.045
A024268_01		0.648 NA		-0.222	-0.469	0.758 NA		0.612	0.419
A024270_01	NA	NA		0.171	0.252 NA	NA		-0.043	0.089
A024271_01		0.186	0.123	-0.371	-0.215	0.228	0.292	0.168	0.346
A024272_01		0.703	0.365	-0.704 NA		0.07	-0.174	-0.286	-0.375
A024274_01		0.487	0.332	-0.061	-0.192	-0.048	0.028	-0.148	-0.132
A024276_01		-1.355	-0.72	-0.463	-0.423	-0.445 NA		-0.314	-0.438
A024279_01		0.602	0.48	-0.196 NA		0.769	0.821	0.642	0.747
A024280_01		0.405 NA		0.381 NA		0.265 NA	NA	NA	
A024282_01		0.077	0.325	0.159	0.018	-0.182	0.117	0.122	0.136
A024284_01	NA	NA		0.615	0.345 NA	NA		-0.166 NA	
A024286_01	NA	NA		0.112	-0.028 NA	NA		0.022	-0.129
A024288_01		0.034	0.088	-0.497	-0.353	-0.013	0.121	-0.005	0.207
A024289_01		0.021	0.411	-0.434	-0.456	0.458	0.451	0.363	0.574
A024291_01		-0.857	-0.827	-0.588	-0.523	-0.905	-0.578	-0.267	-0.205
A024292_01		0.247	0.035	0.382	0.127	0.884	0.432	0.033	-0.231
A024293_01	NA	NA		0.209	0.187 NA	NA		-0.265	-0.363
A024294_01		0.236	0.249	0.006	-0.013	0.324	0.145	0.141	0.131
A024296_01		0.245	0.009	-0.253	-0.502	-0.355	-0.614	-0.083 NA	
A024297_01	NA	NA		0.229 NA	NA	NA		0.326	0.117
A024298_01		-0.026	0.405	0.354	0.458	0.109	0.812	0.341	0.508
A024299_01		0.362	0.436	0.263	0.349	0.507	0.449	0.089	0.232
A024300_01		0.159	0.025	0.398	0.319	-0.3	-0.114	-0.187	-0.097
A024302_01		0.171	0.259	-0.294	-0.409	0.585	0.258	0.644	0.497
A024303_01		-0.54	-0.336	0.659	0.36	-0.049	-0.078	-0.183	-0.347
A024304_01		-0.684 NA		0.551	0.308	0.008 NA		0.05	-0.031
A024305_01		0.673	0.213	0.159	0.061	0.043	-0.259	-0.008	-0.021
A024306_01		-0.171	-0.345	-0.587	-0.594	-0.428	-0.51	-0.401	-0.274
A024308_01		0.018 NA		0.599	0.579	0.133	0.057	-0.306	-0.235
A024310_01		-1.367	-1.022	-1.011	-0.626	-1.407	-0.812	-0.757	-0.405
A024311_01	NA		-0.685	-0.9	-0.902 NA		-1.042	-0.739	-0.577
A024312_01		-0.404	-0.268	0.085	-0.05	-0.018	-0.07	0.111	0.047
A024315_01		-0.633	-0.67	-0.173	-0.082	-0.209	-0.378	-0.187	-0.193
A024318_01		-0.971	-1.181	-0.992	-0.72	-1.115	-1.011	-0.808	-0.55
A024321_01		-0.778	-0.347	-0.251	-0.302	-0.263	-0.208	0.053	0.138
A024326_01		0.193	0.665	0.649	0.527	0.503	1.547	0.709	1.141
A024328_01		0.733	0.297	0.181	-0.068	0.007	0.039 NA		0.168
A024330_01		-0.102	0.267	0.161	0.161	-0.072	0.219	0.359	0.443
A024331_01		-0.045	0.361	-0.207	-0.307	0.375	0.447	0.773	0.555
A024332_01		-1.877	-1.767	-1.786	-1.535	-2.547	-2.215	-2.119	-2.097
A024337_01		-0.324	-0.246	-0.368	-0.403	0.118	0.099	0.255	0.371

A024339_01		0.051	-0.223	-0.834	-0.773	-0.082	-0.261	0.267	0.221
A024342_01		-1.692	-1.17	-0.047	-0.091	-1.157	-1.031	-0.607	-0.61
A024343_01		-2.175	-1.625	-0.792	-0.552	-0.876	-0.819	-0.596	-0.678
A024345_01	NA	NA		-0.045 NA	NA	NA		0.095	0.182
A024346_01		0.238	-0.272	-0.397 NA		-0.255	-0.681 NA	NA	
A024347_01		-0.221	-0.041	0.189	-0.058	-0.348	-0.401	-0.27	-0.437
A024348_01	NA		-0.665	0.222	0.085 NA	NA		-0.024	-0.053
A024349_01		0.815	0.764	-0.884	-0.589	0.144	0.601	-0.76	-0.485
A024350_01		-0.454 NA		0.113 NA		0.745 NA		0.34	0.566
A024352_01		-0.312	-0.21	0.234	0.163	-0.128	-0.076	0.146	0.279
A024353_01		-0.28	-0.3	-1.181	-1.158	-0.604	-0.771	-0.594	-0.94
A024354_01	NA	NA		-2.559	-2.366	-1.72 NA	NA		-2.566
A024356_01		0.018	-0.127	-0.281	-0.255	-0.428	-0.103	-0.018	0.13
A024357_01	NA	NA		0.029	-0.182 NA	NA		-0.234	-0.461
A024360_01		-1.487	-1.697	0.122	-0.006	-0.898	-0.686	0.111	-0.056
A024361_01		-1.885	-1.572	-0.468	-0.282	-1.179	-0.912	-1.014	-0.947
A024362_01		-0.765	-0.372	-0.077	-0.139	0.201	0.184	0.325	0.208
A024363_01	NA	NA		-0.368	-0.474	0.202 NA		0.065	-0.084
A024368_01	NA	NA		0.065 NA		0.17 NA	NA		0.533
A024369_01	NA	NA		-0.382 NA	NA	NA	NA	NA	
A024370_01		0.71	0.711	0.046	-0.021	0.752	0.529	0.502	0.482
A024372_01		-0.452	0.075	0.627	0.437	0.147	0.463	0.416	0.413
A024373_01		-0.228	-0.079	0.422	0.089	0.838	0.557	0.478	0.467
A024374_01		-0.624	-0.057	-0.14 NA		0.653	0.482	0.637	0.725
A024376_01		-0.754 NA		0.234	-0.062	0.113 NA		-0.122	-0.361
A024377_01		0.182	0.098	-0.605	-0.528	-0.324	-0.205	-0.363	-0.151
A024382_01		-0.033	-0.077	0.311	0.119	-0.075	0.204	-0.035	-0.033
A024389_01	NA	NA		0.191	-0.001 NA	NA		0.048	-0.064
A024392_01		-0.589	-0.503	-0.572	-0.445	-0.76	-1.015	-0.57	-0.487
A024394_01		-0.086	0.091	-0.046	-0.09	0.297	0.374	0.183	0.274
A024395_01		-0.692	-0.418	-0.078	-0.158	-0.343	-0.296	-0.063	-0.163
A024396_01		-0.262	-0.384	0.444	0.274	0.447	0.373	0.318	0.2
A024397_01		0.213	0.174	-0.221	-0.337	0.468	0.102	0.467	0.318
A024398_01		-0.923	-0.653	-0.312	-0.519	-0.128	-0.241	0.092	0.017
A024399_01		-0.822	-0.461	0.043	-0.231	0.398	0.27	0.814	0.569
A024400_01		-0.982	-0.339	0.091	0.111	-0.02	0.134	0.006	0.106
A024401_01	NA	NA		0.408	0.085 NA	NA	NA	NA	
A024402_01	NA	NA		-0.043	-0.268 NA	NA	NA		-0.336
A024403_01		-0.772	-0.628	-0.081	-0.086	-0.292	-0.212	-0.298	-0.237
A024404_01		-0.257	-0.13	0.051	0.104	-0.191	-0.081	-0.033	0.046
A024405_01	NA	NA		0.537	0.546 NA	NA		0.239	0.242
A024406_01	NA	NA		0.459	0.207 NA	NA		0.097	0.156
A024410_01		-1.126	-1.173	-0.374	-0.202	-0.961	-0.966	-0.75	-0.708
A024413_01		0.187	-0.004	0.204	0.198	-0.263	-0.276	-0.155	-0.18
A024414_01		-0.778	-0.418	0.151	0.093	-0.111	-0.054	0.09	0.082
A024417_01		-0.002 NA		0.83	0.31	0.199 NA		0.152	-0.127
A024421_01		0.148	0.368	0.78	0.33	1.175	0.811	0.75	0.73
A024425_01		-0.907	-0.456	0.178	0.157	-1.367	-0.501	-0.205	-0.095
A024428_01	NA	NA		0.109 NA	NA	NA		0.233 NA	
A024429_01	NA	NA	NA		-0.295 NA	NA	NA		0.209
A024430_01		-0.296	-0.191	0.348	0.283	0.277	0.364	0.604	0.653
A024431_01		0.503	0.183	0.322	0.17	0.062	-0.112	-0.034	-0.096
A024434_01		0.344	0.147	0.241	0.208	0.51	0.498	0.474	0.701
A024435_01		-0.353	0.055	-0.173	0.004	0.224	0.558	0.427	0.573
A024439_01		0.12	0.258	-0.027	-0.035	0.497	0.63	0.307	0.494
A024440_01	NA	NA		0.267	0.111 NA	NA		-0.812	-1.088
A024441_01	NA	NA		-0.607	-0.559 NA	NA		0.097	0.021
A024442_01		-0.128	0.208	0.301	0.258	0.347	0.49	0.474	0.512
A024443_01		-1.158	-1.044	-0.953	-0.841	-1.344	-0.936	-1.053	-0.92
A024445_01	NA	NA		-0.111	-0.342 NA	NA		-0.115	-0.164
A024447_01		0.266	0.616	-0.047	-0.04	0.953	1.047	0.599	0.742
A024449_01		-0.077	-0.047	-0.791	-0.758	-0.227	-0.201	-1.018	-0.908
A024451_01		-0.21	0.005	-0.198	-0.291	0.192	0.209	0.227	0.073
A024452_01		0.181	0.034	0.095	-0.085	-0.526	-0.419	-0.047	-0.096
A024453_01		-0.204	-0.223	-0.342	-0.24	-0.358	-0.187	-0.299	-0.159
A024454_01		-2.813	-3.854	-4.824	-3.46	-2.832	-1.915	-2.845	-3.229
A024456_01		-1.281	-0.768	0.308	0.18	-0.267	-0.02	0.217	0.02
A024457_01	NA	NA		0.526	0.399	1.329	0.653	1.126	1.092

A024459_01	-0.171	-0.002	0.122	-0.038	0.019	0.155	0.149	0.034
A024461_01	-0.225	0.31	-0.406	-0.147	-0.128	0.576	0.475	0.63
A024464_01	0.841	0.811	0.396	0.093	0.913	0.552	1.015	0.988
A024465_01	-0.532	-0.065	0.407	0.272	0.538	0.662	0.353	0.396
A024470_01	0.25	0.245	-0.046	-0.043	-0.5	0.061	0.005	0.268
A024471_01	-1.329	0.097	0.053	0.238	-0.035	0.001	0.077	0.351
A024473_01	1.215	1.293	-0.109	-0.22	0.921	1.454	1.016	1.457
A024474_01	0.289	-0.252	-0.423	-0.354	-0.098	-0.411	-0.317	-0.305
A024475_01	0.152	0.208	0.041	0.093	-0.596	-0.237	-0.099	-0.09
A024476_01	-0.196	-0.016	-0.335	-0.226	0.122	0.064	-0.173	-0.063
A024477_01	-0.525 NA		0.191	-0.006	0.047	-0.018	0.112	0.06
A024478_01	0.069	0.237	-0.259	-0.004	-0.185	0.007	-0.142	-0.062
A024480_01	0.376 NA		-0.164 NA		0.102 NA		0.245 NA	
A024481_01	0.831	0.859	0.37	0.303	0.112	0.172	0.396	0.424
A024482_01 NA	NA		0.249	0.079	0.294	0.192	0.369	0.285
A024484_01	0.54	0.516	0.266	0.297	0.359	0.371	0.186	0.268
A024485_01	0.468	0.529	0.504	0.342	0.145	-0.226	-0.329	-0.482
A024489_01	-0.164	-0.228	0	-0.021	0.309	0.083	0.105	-0.004
A024490_01	-0.415 NA		0.19 NA		-0.362 NA	NA	NA	
A024493_01	0.463	0.19	0.299	0.313	0.562	0.315	0.154	0.093
A024494_01	-0.215	-0.109	-0.145	-0.302	0.311	0.304	0.651	0.561
A024495_01	-0.016	0.161	0.247	0.335	0.355	0.579	0.276	0.512
A024496_01	0.022	0.262	0.467	0.19	0.334	0.202	0.3	0.134
A024499_01 NA	NA		0.058	-0.094 NA		0.055	0.137	0.17
A024500_01	-0.144	0.004	-0.316	-0.396	-0.404	-0.356	-0.193	-0.15
A024501_01 NA	NA		0.16	0.245 NA	NA		-0.908	-0.826
A024502_01	0.625	0.714	0.289	0.152	1.242	0.783	1.029	1.018
A024503_01	0.577	0.968	0.091	0.258	0.871	0.826	0.646	0.784
A024504_01	0.459	0.107	-0.334	-0.346	0.273	0.238	-0.169	-0.126
A024505_01	-0.148	-0.005	-0.037	-0.155	0.101 NA		0.106	0.188
A024506_01	-0.327	-0.356	-0.12	-0.211	-0.506	-0.59	-0.139	-0.304
A024507_01	-0.008	-0.045	-0.227	-0.063	-0.181	-0.143	-0.213	0.108
A024508_01	0.421	0.594	0.256	0.319	0.375	0.501	0.231	0.331
A024509_01	0.819	0.707	0.421	0.316	0.539	0.298	0.303	0.212
A024510_01 NA	NA		-1.795	-1.472 NA	NA		-1.014	-0.924
A024511_01	-0.116	-0.063	0.609	0.356	0.423	0.334	0.106	-0.076
A024512_01	1.167	1.126	-0.34	-0.166	-0.571	-0.317	-0.129	0.108
A024513_01	-0.487	-0.257	-0.073	-0.076	-0.295	-0.208	-0.447	-0.374
A024514_01	-0.107	0.277	0.315	0.198	0.079	0.2	0.509	0.168
A024518_01 NA	NA		0.089	0.201 NA		0.544	0.196	0.438
A024521_01	-0.968	-1.03	-0.903	-0.93	-1.351 NA		-0.956	-1.173
A024522_01	-0.81	-0.552	-0.136	-0.018	-0.395	0.06	-0.11	0.2
A024523_01	-0.468	-0.555	-0.139	-0.08	-0.517	-0.55	-0.388	-0.215
A024526_01	-1.502	-0.569	-0.174	-0.125	-0.077	-0.21	-0.139	-0.172
A024527_01	-2.2	-1.716	-1.287	-1.002	-2.274	-1.424	-0.905	-0.604
A024528_01	-1.291	-0.667	0.311	0.261	-0.329	-0.422	0.013	-0.128
A024530_01	-0.072	-0.277	-0.643	-0.383	-0.399	-0.107	-0.228	-0.029
A024531_01	-0.284	-0.18	-1.206	-0.944	-0.606	-0.435	-0.115	0.155
A024532_01	-1.259	-0.958	-0.182	-0.265	-0.454	-0.418	-0.292	-0.243
A024534_01 NA	NA		0.518	0.372	0.181	0.086	0.343	0.369
A024536_01	-0.305	0.297	-0.259	-0.115	-0.886	-0.416	-0.762	-0.856
A024538_01	-0.533	-0.708	0.224	0.252	-0.049	-0.198	-0.235	-0.201
A024539_01	0.181	0.096	-0.296	-0.176	-0.039 NA	NA		0.058
A024544_01	0.26 NA		-0.166	-0.301	0.405 NA		-0.199 NA	
A024545_01	-0.631	-0.296	-0.186	0.109	-0.84	-0.743	-0.569	-0.452
A024546_01	-0.805	-0.45	0.335	0.195	-0.244	-0.224	-0.055	-0.29
A024547_01	-0.398 NA		0.461	0.322	0.058 NA		-0.04	-0.114
A024548_01	-0.001	0.048	0.361	0.248	0.306	0.257	0.122	0.053
A024549_01	0.384	0.073	0.313	0.149	0.014	0.121	0.239	0.251
A024551_01	0.541	0.471	-0.331 NA		0.478	0.328	0.515 NA	
A024554_01	0.169	-0.394	-0.194	-0.172	-0.372	-0.24	-0.292	-0.252
A024555_01	1.252	0.798	-0.527	-0.453	0.576	0.397	-0.815	-0.709
A024557_01	0.921	0.958	-0.157	-0.009	0.765	0.883	0.3	0.563
A024558_01	0.25	0.258	-0.15	-0.058	0.229	0.495	0.271	0.476
A024559_01	-0.202	0.198	0.303	0.133	0.297	0.155	0.437	0.304
A024560_01	-0.561	0.092	0.116	0.071	0.345	0.227	-0.175	-0.237
A024561_01	-1.711	-1.164	0.003	0.025	-0.474	-0.009	-0.061	0.006
A024562_01	-1.154	-1.206	-0.739	-0.54	-1.173	-1.037	-0.568	-0.418

A024563_01		0.94 NA		0.306	0.222	0.034 NA		-0.484	-0.34
A024564_01		-0.408	-0.205	0.009	0.163	-0.584	-0.637	-0.34	-0.3
A024565_01		-0.05	-0.264	-0.502	-0.376	-0.56	-0.462	-0.275	-0.344
A024567_01	NA	NA		0.424	0.368 NA	NA		-0.383	-0.51
A024568_01		0.153	0	-0.031	-0.201	0.144 NA	NA		-0.044
A024569_01		-0.12 NA		-0.51	-0.459	-0.699	-0.879	-0.339	-0.196
A024570_01		0.136	0.257	-0.148	-0.062	-0.075	-0.054	0.048	0.167
A024571_01		0.276	0.361	0.333	0.175	0.373	0.473	0.452	0.344
A024572_01		0.062	-0.182	0.112	0.086	-0.158	-0.219	0.071	0.1
A024573_01	NA	NA		-0.31	-0.452 NA	NA		-0.079	-0.264
A024575_01		-0.186 NA		-0.221	-0.259	0.208	0.1	-0.18	-0.175
A024576_01		-0.294	-0.327	0.162	-0.084	-0.276	-0.248	0.087	-0.267
A024577_01		0.364	0.314	0.213	0.011	0.462	0.64 NA		0.664
A024578_01		-0.953	-0.422	0.191	0.231	0.635		0.708	0.658
A024579_01	NA	NA		0.389	0.187 NA	NA		0.266	0.12
A024580_01		-0.384	-0.195	0.505	0.331	0.326	0.362	0.299	0.198
A024581_01		-0.098 NA		-0.453	-0.402	-0.376 NA		-0.645	-0.756
A024583_01		-0.16	-0.03	-0.376	-0.335	-0.205	0.05	0.177	0.293
A024584_01		0.123	0.391	-0.507	-0.195	-0.342	0.454	-0.017	0.425
A024585_01		-0.946	-0.735	-0.695	-0.426	-1.139	-0.574	-0.563	-0.668
A024586_01		-1.266	-0.973	-0.642	-0.521	-1.139	-0.816	-0.714	-0.828
A024588_01		-1.204	-1.028	-0.049	-0.004	-1.177	-1.005	-0.412	-0.535
A024589_01		0.148	0.103	-0.133	-0.081	0.049	0.126	-0.004	0.101
A024590_01		0.908	0.557	0.325	0.358	0.201	-0.075	-0.149	-0.168
A024592_01		0.573	0.485	-0.145	-0.108	0.235	0.183	0.124	0.161
A024595_01		-0.197	-0.212	0.073	0.119	-0.702	-0.483	-0.378	-0.299
A024596_01		-0.054	0.015	-0.239	-0.146	-0.379	0.049	0.068	0.192
A024597_01		-1.279	-0.832	0.195	0.149	-0.35	-0.475	-0.245	-0.527
A024598_01		-0.414	-0.089	0.227	0.116	0.339	0.274	0.22	0.218
A024599_01		-0.847	-0.267	0.338	0.303	-0.75	-0.179	-0.39	-0.288
A024601_01		-0.058	-0.198	-0.093	-0.274	0.087	-0.139	-0.066	-0.119
A024602_01		-0.003	-0.105	0.144	0.191	0.03	0.047	-0.136	-0.1
A024603_01		-0.191	0.038	-0.732	-0.681	-0.441	-0.424	-0.297	-0.435
A024604_01		-0.77	-0.829	0.091	-0.056	0.302	0.084	0.114	-0.114
A024605_01		0.17	-0.085	-0.66	-0.711	-0.202	-0.189	0.05	0.222
A024606_01	NA	NA		0.423	0.249	0.414	0.247	-0.014	-0.018
A024607_01		-0.175	-0.321	-0.164	-0.145	-0.463	-0.302	-0.347	-0.659
A024608_01		-0.095	0.222	-0.111	-0.096	0.001	-0.022	-0.157	-0.375
A024609_01		-0.64	-0.623	0.39	0.123	-0.075	-0.015	-0.143	-0.16
A024610_01		0.066	0.528	0.04	0.032	0.585	0.716	0.898	0.895
A024611_01		-0.596 NA		0.257	0.228	0.633	0.522	0.177	0.151
A024612_01		-0.235	-0.079	0.758	0.658	0.248	0.507	0.114	0.259
A024613_01		0.159	0.197	0.136	0.037	0.033	-0.069	-0.082	-0.228
A024614_01		-0.647	-0.463	0.287	-0.132	0.288	0.12	0.559	0.304
A024615_01		-0.42	-0.148	-0.157	-0.049	-0.281	0.067	-0.21	-0.166
A024616_01		-1.011	-1.176	0.285	0.207	-0.989	-1.006	-0.402	-0.552
A024617_01		0.147	-0.036	-0.288	-0.273	-0.57	-0.253	-0.164	-0.205
A024620_01		-1.386	-0.902	0.342	0.482	-0.374	-0.122	-0.014	0.116
A024621_01	NA	NA		-0.292	-0.321 NA	NA		-0.505	-0.79
A024622_01		-0.255	0.053	-0.042	0.104	0.09	0.519	0.765	0.948
A024624_01		-0.449	-0.167	0.078	0.027	0.142	0.318	0.173	0.292
A024626_01	NA	NA		-0.16	-0.24 NA	NA		-0.286	-0.299
A024627_01		-0.27	0.232	0.214	0.224	-0.157	0.198	0.18	0.082
A024628_01	NA	NA		0.345	0.178 NA	NA		-0.294	-0.313
A024629_01		-0.304	0.126	0.284	0.408	0.119	0.126	0.155	0.322
A024630_01		-1.546	-1.513	-0.588	-0.608	-1.11	-0.905	-0.693	-0.918
A024631_01		0.1	0.02	-0.31	-0.418	0.161	0.212	0.338	0.047
A024632_01		0.252	0.038	-0.27	-0.186	0.065	0.082	0.2	0.173
A024633_01		-1.201	-1.49	-2.277	-1.74	-2.074	-1.956	-1.864	-1.81
A024634_01		-0.31	-0.146	0.318	0.477	-0.722	-0.737	-0.31	-0.184
A024635_01		-0.29	-0.612	-0.692	-0.724	-1.229	-1.296	-0.453	-0.516
A024636_01		-0.701	-0.227	0.657	0.468	-0.051	0.258	0.356	0.187
A024637_01		-1.198	-0.833	-0.745	-0.548	-1.223	-0.891	-0.884	-0.781
A024638_01		0.438	0.513	-0.148	0.01	0.15	0.33	-0.174	-0.025
A024640_01		-0.821	-0.593	0.059	0.034	-0.273	-0.344	0.025	-0.172
A024642_01		0.304	0.148	-0.198	-0.265	0.164	0.303	0.076	-0.068
A024644_01		-1.691	-1.47	-0.46	-0.22	-1.365	-1.186	-0.88	-0.796
A024645_01		0.272	0.315	0.019	0.013	0.382	0.447	0.467	0.498

A024646_01		0.25	0.091	0.2	0.115	0.128	NA	0.397	0.078
A024647_01	NA	NA		-1.46	NA	NA	NA	-1.067	NA
A024648_01		-0.923	-0.511	-0.032	0.02	-0.276	-0.273	-0.142	-0.115
A024649_01		-0.695	-0.755	-1.501	-1.282	-1.984	-1.472	-1.553	-1.609
A024650_01		-0.058	-0.15	0.177	0.135	-0.115	-0.52	-0.034	-0.11
A024651_01		-0.143	-0.308	-0.258	-0.173	-0.543	-0.414	-0.335	-0.268
A024652_01		-0.256	-0.416	-0.833	-0.604	-0.672	-0.424	-0.507	-0.277
A024653_01		0.768	NA	0.468	0.361	0.58	NA	0.677	0.634
A024656_01		-1.034	-0.554	0.708	0.354	0.008	-0.006	0.202	0.007
A024657_01	NA		-1.478	-0.153	0.018	-1.381	-1.092	-0.987	-0.743
A024658_01	NA	NA		0.393	0.269	0.57	0.28	0.078	0.068
A024659_01		-0.129	NA	-0.254	-0.227	0.31	NA	0.014	0.076
A024661_01		0.901	0.516	0.248	0.027	0.44	0.282	0.389	0.302
A024663_01		0.87	0.665	0.139	-0.003	0.888	0.679	0.418	0.253
A024664_01		0.349	0.518	0.29	0.429	0.392	0.818	0.565	0.831
A024665_01		0.32	0.34	0.387	0.254	0.153	-0.009	0.043	0.066
A024666_01		-0.811	-0.296	-0.563	-0.395	-0.468	-0.468	-0.533	-0.419
A024667_01		-0.82	-0.411	0.206	0.041	0.342	0.302	0.323	0.313
A024669_01	NA	NA		0.225	0.02	NA	NA	0.087	-0.209
A024670_01		-0.87	-0.754	0.104	0.18	-0.809	-0.892	-0.263	-0.124
A024671_01		0.304	NA	-0.216	NA	-0.143	-0.375	-0.066	NA
A024672_01		0.177	0.032	0.144	0.262	-0.282	-0.262	0.163	0.388
A024673_01		0.035	-0.287	-0.561	-0.51	-0.261	-0.441	-0.194	-0.228
A024674_01		0.349	0.145	-0.595	-0.484	0.603	0.572	0.257	0.433
A024675_01		-0.326	0.013	0.085	-0.061	0.522	0.339	0.398	0.28
A024676_01		0.306	0.198	0.393	0.263	0.429	0.523	0.307	0.328
A024677_01		-0.825	-0.439	0.225	0.151	-0.308	-0.518	-0.224	-0.356
A024678_01		0.359	NA	0.35	NA	NA	NA	NA	NA
A024680_01		-0.49	-0.438	-0.209	-0.194	-1.232	-0.868	-0.514	-0.691
A024681_01	NA	NA		0.01	-0.044	NA	NA	-0.191	-0.309
A024682_01		-1.172	-1.036	0.693	0.625	-0.844	-0.862	-0.038	-0.02
A024684_01		0.391	0.45	-0.526	-0.401	0.306	0.661	0.146	0.555
A024686_01	NA	NA		0.222	-0.089	NA	NA	NA	-0.242
A024687_01		-0.938	-1.172	-2.193	-1.855	-1.797	-2.021	-1.784	-1.967
A024689_01		-1.353	-1.476	0.743	0.331	-0.115	-0.142	0.012	-0.181
A024690_01		-2.145	-1.265	-0.55	-0.496	-1.638	-0.607	-0.271	-0.512
A024694_01		0.34	-0.049	-1.036	NA	-0.436	-0.598	-0.345	NA
A024699_01		1.234	1.107	0.492	0.228	1.298	0.954	0.965	0.851
A024718_01		-0.053	NA	0.46	0.146	0.462	0.016	0.363	0.049
A024719_01	NA	NA		0.348	NA	NA	NA	-0.124	NA
A024720_01		0.405	0.039	-0.075	-0.139	0.085	0.064	-0.04	0.193
A024724_01		0.182	-0.188	-0.655	-0.72	-0.02	-0.454	-0.215	-0.465
A024725_01		-1.001	-1.003	-1.621	-1.625	-1.132	-1.254	-1.252	-1.613
A024728_01	NA		-1.294	-0.1	-0.282	-0.214	-0.233	-0.058	-0.115
A024749_01	NA	NA		0.142	NA	NA	0.566	0.53	0.682
A024778_01		-0.036	-0.269	0.229	NA	-0.111	-0.395	0.147	NA
A024780_01		0.575	0.413	0.143	0.162	NA	0.138	0.328	0.179
A024783_01	NA	NA		0.108	0.023	0.316	0.051	-0.316	-0.315
A024784_01		0.084	NA	0.147	-0.036	0.355	-0.12	0.147	-0.134
A024785_01		-0.078	-0.495	-1.052	-0.953	-0.93	-0.997	-0.587	-0.328
A024786_01		0.419	-0.338	-0.044	-0.304	-0.125	-0.593	-0.052	-0.365
A024788_01		0.434	0.339	0.582	0.71	0.093	0.124	-0.059	0.169
A024789_01		0.796	0.171	0.354	0.307	0.469	0.442	-0.037	0.056
A024790_01		-1.23	-0.386	0.139	0.072	-0.905	-0.021	0.029	0.018
A024791_01		-0.442	-0.396	-0.087	-0.079	-1.724	-1.448	-0.816	-0.688
A024794_01		0.275	0.218	0.17	-0.201	0.275	-0.041	0.244	-0.155
A024795_01	NA	NA		0.157	0.186	-0.557	NA	-0.246	-0.339
A024822_01		0.617	0.579	0.314	0.267	0.454	0.588	0.506	0.528
A024841_01	NA	NA		-0.073	-0.04	0.751	0.836	0.189	0.259
A024854_01		-1.007	NA	0.242	0.302	-0.323	NA	-0.153	-0.122
A024856_01		-2.196	NA	NA	NA	-2.137	-2.019	-1.978	NA
A024862_01		0.567	0.299	0.343	0.047	0.739	0.329	0.652	0.551
A024863_01	NA		-1.304	-0.502	-0.528	-0.277	-0.517	-0.036	-0.287
A024872_01		1.261	0.787	0.513	0.39	1.022	0.893	0.705	0.719
A024873_01	NA	NA		0.693	0.383	0.754	0.503	0.554	0.268
A024876_01		0.301	0.091	0.053	-0.145	0.224	-0.043	0.145	-0.202
A024881_01		0.263	-0.171	0.495	0.251	0.895	0.381	0.83	0.631
A024886_01		0.065	-0.027	0.331	0.152	0.176	-0.211	-0.013	-0.257

A024890_01	NA	NA		0.318	0.018	NA		0.142	-0.032	-0.289
A024913_01		-0.48	-0.745	-0.382	-0.333		-0.547	-0.727	-0.279	-0.374
A024975_01		-0.141	-0.133	0.001	NA		0.16	-0.349	0.035	-0.024
A024976_01	NA	NA	NA		-0.786	NA	NA		-0.07	NA
A024978_01		-0.234	-0.66	-0.602	-0.547		-0.537	-0.465	-0.265	-0.381
A024993_01		-0.015	-0.573	-0.135	-0.279		-0.163	-0.403	-0.012	-0.147
A025018_01	NA		-0.75	0.351	0.191		0.329	0.09	0.12	0.075
A025019_01	NA	NA		0.67	0.448	NA	NA		-0.497	-0.711
A025036_01	NA		-0.47	0.446	0.368		0.563	0.452	0.113	0.088
A025053_01	NA	NA		0.615	0.496	NA	NA		-0.291	-0.353
A025058_01		-0.655	-0.461	-0.857	-0.761		-0.356	-0.25	-0.101	-0.262
A025060_01		0.223	0.073	0.034	0.028		0.872	0.864	1.715	1.573
A025061_01		1.067	0.835	0.243	0.451		1.089	1.502	0.91	1.288
A025074_01		0.351	0.442	0.441	0.211		0.333	0.268	0.395	0.144
A025076_01		-0.539	-0.475	-0.274	-0.246		0.255	0.174	0.014	0.012
A025079_01		1.038	NA	0.166	0.162	NA	NA		0.102	NA
A025085_01	NA		-0.972	-1.092	-0.935		-0.432	-0.86	NA	NA
A025092_01		1.557	0.943	-0.02	NA		0.679	0.739	0.65	NA
A025101_01		-0.094	-0.085	-0.165	-0.322		-0.38	-0.393	-0.111	-0.361
A025116_01		-1.34	-0.644	0.108	-0.019	NA		-0.072	-0.065	-0.088
A025130_01		-0.447	-0.113	0.168	0.143		0.908	0.747	0.892	0.851
A025131_01		0.272	0.046	-0.122	-0.005		0.42	0.287	NA	0.183
A025148_01		-0.065	-0.253	-0.372	-0.383		-0.363	-0.723	-0.352	-0.414
A025176_01	NA		-1.183	0.681	0.389		0.034	0.032	0.555	0.525
A025188_01		-0.755	NA	0.222	-0.184		-0.263	NA	-0.128	-0.476
A025190_01		-1.87	-2.703	-2.815	-2.107		-2.18	-1.735	-1.677	-2.197
A025206_01		0.355	0.47	-0.212	-0.252		0.327	0.071	0.172	-0.028
A025211_01		0.664	0.135	0.652	0.366		0.484	NA	0.167	NA
A025242_01		0.399	0.116	0.25	0.143		0.625	0.277	0.504	0.441
A025254_01		-1.139	-0.745	0.306	0.219		0.008	0.12	0.071	0.153
A025261_01		-1.415	NA	0.585	0.296		-0.023	-0.056	-0.057	-0.241
A025268_01		0.177	0.396	0.339	0.297		1.1	0.699	-0.128	-0.312
A025273_01		0.246	0.258	-0.405	-0.196		0.051	0.212	0.031	0.211
A025274_01		0.013	0.03	0.324	0.151		0.598	0.514	0.216	0.04
A025287_01		-0.495	-0.205	-0.509	-0.506		-0.22	NA	0.189	0.056
A025301_01	NA		0.268	0.212	0.188		0.213	-0.007	-0.145	-0.176
A025313_01		-0.163	0.226	0.939	0.612		0.708	0.596	0.53	0.279
A025335_01		0.497	0.231	0.168	0.036		0.33	0.152	0.311	0.175
A025341_01		-1.331	-0.951	-0.006	-0.082		-0.654	-0.377	-0.237	-0.217
A025351_01		-0.057	-0.133	-0.459	NA		0.198	-0.073	NA	NA
A025353_01		-0.699	-0.768	0.313	0.303		-0.224	0.032	-0.206	-0.15
A025368_01		-2.852	-3.592	-4.401	-3.188		-3.067	-2.248	-2.783	-3.1
A025372_01		0.24	0.458	0.156	0.075		0.677	0.755	0.31	0.423
A025376_01		0.607	0.122	0.181	0.131		0.111	-0.029	0.362	0.119
A025393_01		0.691	0.469	0.63	0.288		0.611	0.553	0.918	0.884
A025394_01		-0.147	-0.004	-0.465	-0.551		0.267	0.49	0.629	0.699
A025397_01		-0.756	-0.305	-1.431	-1.057	NA		-0.684	-1.1	-1.434
A025403_01		0.374	0.388	-0.456	-0.283		-0.104	0.339	-0.241	0.147
A025406_01	NA	NA		0.704	0.692		0.788	NA	0.165	0.24
A025408_01	NA		0.034	0.453	0.476		0.48	0.842	-0.133	0.221
A025418_01	NA	NA		-0.139	NA		NA	NA	NA	NA
A025456_01	NA	NA		0.424	0.274		0.039	-0.149	-0.014	0.009
A025462_01		0.574	0.275	0.303	0.176		0.136	-0.058	-0.249	-0.241
A025468_01		0.665	0.586	0.137	0.109		0.171	0.035	0.083	0.16
A025469_01		1.082	0.991	-0.959	-0.965		-0.605	-0.629	-0.78	-0.528
A025479_01		-0.289	-0.583	-0.651	-0.573		-0.807	-0.748	-0.566	-0.617
A025487_01		-0.356	-0.435	-0.166	-0.303		-0.409	-0.632	0.118	0.14
A025502_01		-0.525	NA	-0.33	-0.794		-1.015	NA	-1.02	NA
A025513_01	NA	NA		-0.028	NA		NA	NA	NA	NA
A025519_01		0.779	0.349	0.203	0.169		0.001	-0.199	-0.109	NA
A025522_01		0.038	0.092	-0.372	-0.414		0.158	0.008	0.355	0.293
A025542_01	NA	NA		-0.242	-0.705		-0.338	NA	NA	NA
A025582_01	NA	NA		0.305	0.058	NA	NA		-0.219	-0.182
A025585_01	NA	NA		0.133	NA		NA		0.361	NA
A025587_01	NA	NA		0.62	0.516	NA	NA		-0.204	-0.183
A025588_01		0.456	0.302	0.647	0.489		0.673	0.661	0.473	0.527
A025590_01		-0.244	NA	-0.192	-0.4		-0.249	NA	-0.252	-0.433
A025600_01		0.271	-0.329	0.367	-0.11		-0.44	-0.694	-0.033	-0.427

A025603_01		0.464	0.416	-0.218	-0.079	-0.041	0.242	0.012	0.34
A025613_01		-0.37	-0.121	-0.357	-0.481	0.131 NA		0.399	0.504
A025618_01		-1.276	-1.013	0.151	0.126	-0.33	-0.214	-0.019	-0.157
A025621_01	NA	NA		0.181	-0.002	0.371	0.469	0.011	-0.077
A025639_01		0.374	0.345	0.831	0.594	0.699	0.581	0.082	0.064
A025644_01		-0.568	-0.246	0.123	0.118	-0.29	0.299	-0.083	0.06
A025645_01		-0.131	-0.617	-0.468	-0.526	-0.532	-0.744	-0.351	-0.449
A025683_01		1.276	0.948 NA		-0.086	0.876	0.908	1.081	1.493
A025697_01		-0.852	-0.771	-0.022	0.114	-0.203 NA		-0.403	-0.214
A025712_01	NA	NA		0.102	-0.256 NA	NA		0.028	-0.465
A025718_01	NA	NA		-0.584	-0.511	-0.073 NA		-0.383	-0.453
A025719_01		-0.731	-0.425	0.001	0.022	-0.628	-0.704	-0.559	-0.501
A025727_01		0.986	1.137	-0.068	0.085	0.434	0.868	0.583	1.099
A025728_01	NA		0.162	-0.828 NA	NA		-0.659	-0.85 NA	
A025730_01		0.265	0.092	-0.229 NA		0.039	-0.154 NA	NA	
A025733_01		0.257	0.222	-0.394	-0.636	-0.898	-0.706	-0.534	-0.565
A025735_01		-0.412	-0.213	-0.063	-0.167	-0.091	-0.056	0.184	0.116
A025739_01		-0.082	0.223	0.663	0.37	0.953	1.018	0.64	0.674
A025740_01	NA		0.268	0.397	0.345	0.53	1.582	0.558	1.179
A025747_01		-0.915 NA		0.535	0.428	0.305	0.415	0.126	0.11
A025758_01	NA	NA		0.363	0.155 NA	NA		-0.13	-0.347
A025759_01		-0.892 NA		0.717	0.735	-0.852	-0.616	-0.969	-0.896
A025762_01	NA	NA		0.261	0.113 NA	NA		-0.621 NA	
A025765_01		-0.368	-0.327	0.236	0.088	-0.26	0.034	-0.415	-0.511
A025767_01		0.255	0.676	-0.274	-0.149	-0.034	0.503	-0.104	0.452
A025768_01		0.231	0.057	0.117	-0.002	0.823	0.632	0.575	0.594
A025769_01		-1.368 NA		0.732	0.657	-0.506	-0.518	-0.323	-0.389
A025770_01		0.678	0.509	0.574	0.386	0.472	0.34	0.313	0.313
A025772_01		-0.403	-0.197	-0.181	0.019	-2.352	-2.075	-1.323	-1.129
A025776_01		-0.048 NA		-0.498	-0.471	-0.589	-0.672	-0.694	-0.733
A025777_01	NA	NA		0.686	0.557 NA	NA		-0.33	-0.278
A025778_01		-0.916 NA		0.006	0.164	0.166	0.26	0.437	0.554
A025780_01		0.847 NA		0.521	0.242	0.162 NA		-0.043 NA	
A025785_01		-0.352	-0.216	0.009	-0.201	0.035	-0.016	0.169	-0.168
A025787_01		-0.201	0.141	0.445	0.304	0.889	0.932	0.979	0.833
A025788_01		0.233	0.554	0.179	0.224	-0.165	0.478	0.503	0.596
A025795_01		0.505	0.435	0.106	0.022	-0.224	-0.374	-0.732	-0.666
A025798_01		-1.002	-0.86	0.407	0.222	-0.47	-0.257	-0.745	-0.586
A025799_01		-0.755	-0.098	-0.142	-0.101	-0.401	0.031	0.465	0.483
A025803_01		0.171	0.059	-0.452	-0.575	-0.165	-0.172	-0.386	-0.604
A025804_01		-0.567	-0.377	0.268	0.093	-0.25	-0.403	-0.086	-0.234
A025807_01	NA	NA		0.016	0.574 NA	NA		-0.425 NA	
A025814_01	NA		-1.07	-0.38	-0.265 NA		-0.993	-0.355	-0.438
A025818_01		0.357	0.306	-0.097	-0.121	0.344	0.297	0.09	0.021
A025825_01	NA		0.204 NA		0.057 NA		0.536	0.344	0.384
A025827_01		-0.406	-0.164	0.452	0.24	0.2	-0.013	0.077	-0.133
A025828_01	NA	NA		0.236	0.239 NA	NA		-0.324	-0.218
A025844_01		-1.438	-0.936	-0.47	-0.462	-0.994	-0.885	-0.582	-0.727
A025846_01	NA	NA		0.302	0.258 NA	NA		-0.643	-0.79
A025847_01		-1.84	-1.672	0.018	-0.145	-0.562	-0.624	-0.751	-1.033
A025849_01	NA	NA		-0.362	-0.392 NA	NA		-0.015	-0.131
A025861_01		-0.009 NA		0.498	0.433	0.966	0.742	0.541	0.586
A025867_01	NA	NA		0.19	0.118 NA	NA	NA		-0.671
A025868_01		0.04	0.158	-0.811	-0.54	-0.97	-0.556	-0.154	0.095
A025869_01		0.061	0.211	0.021	0.106	0.62	0.723	1.066	1.118
A025870_01		-0.715	-0.664	-0.354	-0.302	-0.791	-0.538	-0.288	-0.442
A025872_01		0.261	-0.178	0.316	0.285	0.446	-0.297	0.148	0.137
A025873_01	NA	NA		0.466	0.595 NA		0.225	0.146	0.394
A025874_01	NA	NA		0.338	0.153 NA	NA	NA		-0.046
A025878_01		0.334	0.344	-0.192	-0.23	0.271	0.194	0.639	0.409
A025887_01		0.303	0.286	-0.007	0.135	-0.332	0.03	0.145	0.354
A025896_01		0.859	0.69	-0.027	0.298	0.009	0.219	0.145	0.168
A025899_01		-0.303	-0.174	-0.197	-0.057	-0.3	-0.069	-0.075	0.16
A025900_01		-0.702	-0.615	-0.872	-1.194	-0.884	-0.572	-0.4	-0.442
A025901_01		-0.738	-0.328	-0.154	-0.069	-0.46	-0.068	-0.057	0.046
A025908_01		-0.25	-0.215	0.13	0.085	0.007	0.063	-0.064	-0.154
A025909_01		-0.22	-0.232	0.444	0.117	0.255	0.235	0.373	0.128
A025910_01		-0.306	0.143	-0.622	-0.632	-0.54	-0.485	-0.231	-0.224

A025911_01		-1.502	-2.385	-0.401	-0.41	0.545	0.958	1.741	1.918
A025916_01		-0.902	-0.539	0.561	0.366	0.01	0.115	0.125	-0.133
A025918_01		-0.195	0.064	0.154	0.074	-0.049	-0.037	0.107	0.156
A025920_01		-0.446	-0.025	-0.2	0.01	-0.122	0.078	0.232	0.33
A025922_01		0.047	0.229	0.054	-0.054	0.378	0.487	0.756	0.561
A025924_01		-0.153	0.116	0.235	0.271	0.506	0.311	0.393	0.423
A025929_01		-0.789	-0.893	-0.248	-0.378	-0.339	-0.341	-0.937	-1.277
A025931_01	NA	NA		0.663	0.523	NA	NA	-0.39	-0.397
A025937_01		0.328	0.427	0.743	0.451	0.272	0.122	0.464	0.278
A025939_01		0.425	0.298	-0.036	-0.033	-0.167	0.087	0.1	0.012
A025941_01		-1.133	-0.685	-0.018	-0.126	-0.872	-0.505	0.058	-0.052
A025942_01		0.396	0.45	0.051	0.109	-0.408	-0.376	-0.671	-0.688
A025944_01	NA	NA		0.105	0.167	NA	NA	NA	0.181
A025947_01		1.028	0.727	-0.308	-0.13	0.549	0.425	-0.24	-0.247
A025949_01		-0.031	0.291	0.284	0.255	-0.535	0.097	0.44	0.308
A025951_01		-0.175	-0.129	-0.28	-0.256	-0.539	-0.332	0.019	0.216
A025956_01		-0.952	-0.358	0.209	0.28	-0.667	-0.281	0.087	0.113
A025957_01		-1.679	-1.932	0.112	0.182	-1.136	-0.957	-0.592	-0.562
A025958_01	NA		-0.316	-0.547	-0.492	-0.31	NA	-0.406	-0.481
A025959_01		-0.786	-0.236	0.233	0.201	-0.249	-0.22	-0.201	-0.199
A025961_01		0.275	0.466	0.476	0.413	0.536	1.086	0.489	0.713
A025962_01		-1.242	-0.731	0.379	0.415	-0.32	-0.032	-0.089	-0.174
A025963_01		-0.94	-0.434	0.23	0.123	0.101	0.118	-0.125	-0.077
A025965_01	NA	NA		0.232	0.168	-0.404	NA	0.105	0.14
A025969_01		-0.784	-0.825	-0.855	-0.563	-1.252	-0.744	-0.596	-0.383
A025970_01		-0.866	-0.373	-0.215	-0.112	-0.47	-0.013	0.004	-0.036
A025971_01		-1.636	-0.936	-0.197	-0.227	-0.268	-0.199	-0.023	-0.102
A025975_01	NA	NA		0.222	0.165	NA	NA	0.661	0.563
A025978_01		-0.481	NA	0.24	0.165	-0.769	-0.642	-0.471	-0.766
A025984_01		-0.368	-0.8	-0.177	NA	-1.571	-1.496	-1.089	-1.109
A025986_01		-0.38	-0.194	0.03	0.12	0.02	0.124	0.353	0.326
A025990_01		-1.1	-0.672	-0.658	-0.428	-0.641	-0.385	-0.075	-0.324
A025991_01		0.5	0.385	0.1	0.146	0.657	0.625	-0.019	0.074
A025992_01		-0.278	0.163	-0.021	-0.154	-0.132	0.144	0.855	0.634
A025995_01	NA	NA		0.282	-0.024	0.154	0.006	-0.043	-0.236
A025997_01		-0.883	NA	0.561	0.345	0.052	0.193	0.145	0.021
A025998_01		-1.206	-0.707	0.418	0.411	-0.021	0.421	0.178	0.219
A026002_01	NA		-1.522	-0.046	-0.13	-0.478	-0.589	-0.946	-1.179
A026004_01		-0.316	0.14	0.158	0.168	0.372	0.564	0.309	0.492
A026013_01	NA	NA		0.013	NA	NA	NA	-0.528	-0.369
A026014_01		-0.319	-0.156	-0.389	-0.212	-0.222	-0.203	-0.094	-0.085
A026015_01		-1.295	-1.079	-0.028	0.005	-0.609	-0.589	-0.05	0.048
A026017_01		-0.909	-0.409	0.116	0.037	-0.111	0.056	0.348	0.108
A026024_01	NA		-0.417	-0.226	-0.297	-0.113	-0.066	-0.116	-0.025
A026026_01	NA	NA		0.027	0.197	NA	NA	0.412	0.388
A026043_01		-0.704	-0.09	0.412	0.207	-0.398	0.189	0.182	0.132
A026057_01		0.22	0.175	-0.238	-0.321	0.357	0.203	0.259	0.185
A026062_01	NA		0.385	-0.281	-0.258	0.646	0.279	0.446	0.37
A026078_01	NA		-1.138	0.552	0.371	-0.191	-0.175	-0.114	-0.331
A026081_01		-0.521	-0.294	-0.137	0.003	-0.303	-0.383	-0.539	-0.415
A026082_01		0.769	0.602	0.308	0.225	0.671	0.66	0.539	0.632
A026083_01		0.071	0.304	0.108	0.12	0.243	0.207	0.135	0.412
A026086_01	NA	NA		0.325	0.281	NA	NA	-0.036	-0.067
A026087_01		0.618	0.401	-0.544	-0.51	0.52	0.352	0.046	0.252
A026089_01	NA		-1.133	0.232	0.139	NA	-1.175	-0.743	-0.857
A000178_01	NA	NA		-0.874	NA	NA	NA	NA	NA
A000194_01	NA		0.557	-0.052	NA	NA	NA	NA	NA
A000195_01		0.126	0.239	-0.122	NA	NA	NA	NA	0.33
A000463_01	NA	NA		0.086	0.354	NA	NA	-0.083	0.285
A000605_01	NA		-0.002	-0.795	NA	NA	NA	NA	NA
A000683_01	NA	NA		-0.022	NA	NA	NA	NA	0.531
A000724_01	NA		0.123	-0.218	NA	-0.253	NA	NA	NA
A000790_01		1.352	1.066	0.015	0.302	0.519	0.899	0.846	1.366
A000902_01		-0.011	0.091	-0.092	0.225	0.311	NA	-0.175	-0.077
A000979_01		0.539	0.514	-0.229	0.525	0.058	NA	NA	0.524
A001111_01		0.483	NA	-0.397	NA	NA	NA	-0.09	0.621
A001151_01	NA		0.721	0.348	0.372	0.573	NA	NA	0.141
A001316_01		0.77	0.363	-0.654	-0.397	-0.54	-0.392	-0.545	-0.443

A001383_01	0.29	0.173	-0.374 NA		-0.159 NA	NA	NA	
A001433_01	0.074	0.131	-0.292	-0.092	-0.427	-0.137	0.242	0.209
A001509_01	0.798 NA		-0.204	0.443	-0.209 NA		0.146 NA	
A001594_01 NA	NA		-0.223	-0.065	0.135	0.207	0.087 NA	
A001600_01	0.458	0.731	-0.158	0.166	0.277	0.527	0.305	0.342
A001888_01 NA	NA		-0.412 NA		-0.632 NA	NA	NA	
A002042_01	0.061 NA		-0.248 NA		-0.378 NA	NA	NA	
A002060_01	0.03 NA		0.392	0.315	-0.415 NA		-0.103	-0.256
A002084_01	0.725	0.804 NA	NA		0.909	1.015	1.016	0.961
A002107_01 NA	NA		0.299	0.348 NA	NA	NA		-0.529
A002404_01	0.536	0.637	0.025	0.353 NA	NA	NA		0.409
A002434_01 NA	NA		-0.071	0.086 NA	NA	NA		0.122
A002621_01 NA	NA		-0.322 NA	NA	NA	NA		0.677
A002778_01	0.099	0.537	-0.089 NA		0.68 NA	NA		0.548
A002947_01	-0.136	0.076	-0.742	-0.361	-0.443	-0.269	0	0.311
A003123_01	0.758	0.973	-0.061 NA	NA	NA	NA	NA	
A003140_01	0.873	0.928	0.198	0.389	0.341 NA	NA		0.534
A003218_01 NA	NA		-0.133	-0.092 NA	NA	NA		-0.246
A003526_01	1.143	0.9	-0.195	0.007	0.865	1.17	1.397	1.543
A003659_01 NA	NA		-0.374	-0.364 NA	NA		-0.216 NA	
A003766_01	1.202 NA	NA	NA		-0.343 NA		-0.222 NA	
A003859_01 NA	NA		-1.655	-1.06 NA	NA		-0.901	-1.291
A004129_01 NA	NA		-1.11	-0.724 NA	NA		-0.803	-0.587
A004135_01	-0.95 NA		0.307	0.405	-0.727 NA		-0.319	-0.168
A004159_01	-0.652 NA		0.108	0.198	-0.274 NA		-0.361	-0.154
A004334_01	0.676	0.48	0.001	0.111 NA	NA	NA	NA	
A004387_01 NA	NA		-0.175	0.071	0.122 NA		-0.016	0.143
A004423_01	-0.159	-0.048	0.151	0.153	-0.065 NA	NA		0.109
A004572_01	0.674 NA		-0.37	-0.239	0.377	0.374	0.458	0.459
A004660_01 NA	NA		-0.602	-0.308 NA	NA	NA	NA	
A004672_01	-0.346	0.336	-0.318	-0.099	-0.512 NA	NA		-0.222
A004702_01 NA	NA		0.198	0.251 NA	NA		-0.222	-0.227
A004773_01 NA		0.337	0.015 NA		-0.185 NA		0.055	0.294
A005189_01 NA		-0.585	-0.462	-0.345 NA	NA	NA		-1.114
A005374_01 NA	NA		0.111 NA	NA	NA	NA	NA	
A005392_01	1.719	1.524	0.776	0.757	0.633	0.839	0.786	1.167
A005515_01	0.384	0.256	-0.34	-0.145	0.013	0.026 NA		0.23
A005561_01 NA	NA		0.235	0.103 NA		-0.01	-0.018	-0.217
A005682_01	0.9	0.457	0.148	0.356	0.388 NA	NA		0.547
A005848_01 NA	NA		-0.124	-0.082 NA	NA		-0.697	-0.589
A006047_01 NA	NA		-0.426 NA	NA	NA		-0.078	0.204
A006139_01 NA	NA		-0.226	-0.32 NA	NA		-0.736	-0.965
A006166_01	0.801	0.778	-1.152	-0.866	1.876	1.543	1.346	1.456
A006192_01 NA	NA		0.037	0.489 NA	NA	NA		0.451
A006198_01 NA		-0.386	0.106	0.077 NA	NA	NA		-0.844
A006299_01 NA	NA		0.697	0.525	0.58 NA		0.45	0.412
A006359_01	0.712	0.714	-0.062 NA		0.363 NA		0.255 NA	
A006535_01 NA	NA		-0.06	0.15 NA	NA	NA		-0.135
A006561_01 NA		0.595	-0.243 NA	NA		0.569 NA	NA	
A006584_01	0.907	0.811	-0.3 NA		0.716 NA	NA		0.971
A006587_01 NA		0.503	-0.03 NA	NA		0.585 NA		0.563
A006588_01 NA		0.499	0.094	0.173 NA	NA	NA		0.449
A006590_01 NA	NA		0.106	0.127 NA	NA	NA		0.042
A006602_01 NA	NA		-0.133	0.125 NA	NA	NA		0.357
A006638_01 NA		0.346	0.507	0.497	0.567 NA		0.257	0.256
A006655_01 NA		0.02 NA	NA	NA	NA	NA	NA	
A006661_01 NA		-0.034	0.024	-0.053 NA	NA	NA	-0.332	-0.323
A006741_01 NA		0.382	0.137	-0.038 NA	NA		0.16 NA	
A006970_01 NA		0.045	-0.569	-0.391 NA		-0.777 NA		-0.537
A007125_01 NA		0.753	-0.572	0.627 NA		0.878 NA		0.469
A007270_01	-0.357	-0.058	0.269	0.156	0.306	0.303	0.294	0.162
A007326_01	-0.058	0.391	-0.214	0.161	-0.18 NA		-0.127	0.269
A007344_01 NA		-0.142	0.077	0.184	0.252 NA	NA		0.269
A007439_01	0.039	0.33	0.113 NA		-0.007 NA	NA	NA	
A007540_01	0.882	0.771	-0.839	-0.686 NA	NA	NA		-0.902
A007611_01 NA	NA		0.102 NA	NA	NA	NA	NA	
A007679_01	0.566	0.639	-0.518 NA		-0.014 NA	NA		0.68
A007700_01 NA	NA		-0.168 NA	NA	NA	NA	NA	

A007742_01	NA		-0.027	-1.212	-0.833	-0.23	NA	-0.642	-0.87
A007802_01	NA		0.415	-0.227	NA		NA	0.02	NA
A007819_01	NA		0.282	-0.04	0.095	NA	NA	-0.011	0.118
A007828_01	NA	NA		0.058	0.247	NA	NA	-0.57	-0.5
A007839_01	NA	NA		-1.015	-0.862	NA	NA	-0.89	NA
A007867_01	NA		-0.159	0.329	0.254	NA	NA	-0.224	-0.332
A007882_01	NA	NA		0.002	-0.005	NA	NA	-0.138	NA
A007997_01		0.438	NA	0.04	0.043	0.247	NA	0.044	-0.139
A008030_01	NA	NA		0.229	0.207	NA	NA	-0.776	-0.83
A008034_01	NA	NA		0.324	0.165	NA	NA	-0.106	-0.346
A008278_01	NA	NA		-0.389	NA	NA	NA	0.172	0.277
A008284_01		1.097	0.787	0.486	0.557	0.554	0.373	-0.037	0.052
A008609_01	NA		0.368	-0.3	NA	NA	NA	NA	NA
A008620_01	NA	NA		-0.534	NA	NA	NA	NA	NA
A008712_01	NA		-1.018	-0.037	-0.05	NA	0.237	0.438	0.43
A008935_01	NA	NA		-0.933	-0.675	NA	NA	NA	-1.08
A009025_01		1.021	1.16	-0.324	NA	-0.114	NA	NA	NA
A009197_01	NA		0.128	0.112	NA	0.314	NA	NA	NA
A009232_01	NA	NA		-0.3	NA	NA	NA	-0.863	-0.958
A009254_01		0.314	0.084	-0.402	-0.215	-0.371	-0.455	-0.384	-0.178
A009259_01		1.427	1.134	0.407	0.468	0.869	0.611	0.291	0.444
A009332_01		1.121	1.028	-0.137	-0.034	-0.459	-0.604	-1.018	-0.889
A009654_01	NA		0.154	0.262	0.1	0.38	NA	0.267	0.123
A009749_01		0.125	0.131	0.138	0.154	0.191	NA	NA	0.001
A009945_01		0.469	NA	0.281	0.226	NA	NA	-0.286	-0.261
A010046_01		0.559	0.077	-0.218	NA	-0.012	NA	-0.326	0.015
A010070_01	NA		-0.347	NA	NA	-0.324	NA	NA	NA
A010280_01	NA	NA		0.483	0.324	NA	NA	0.164	0.015
A010408_01		0.226	0.021	0.103	NA	0.334	NA	NA	NA
A010432_01		0.322	0.053	0.06	NA	NA	NA	NA	NA
A010479_01		0.615	0.338	-0.678	NA	NA	NA	NA	NA
A010550_01	NA	NA		0.503	0.372	NA	NA	-0.134	-0.318
A010630_01	NA		0.33	-0.039	NA	NA	NA	-0.056	NA
A010702_01	NA	NA		-0.971	-0.89	NA	NA	-0.696	-0.797
A010770_01	NA		-0.697	-0.08	-0.1	0.865	0.801	0.728	0.645
A010800_01		0.59	0.278	0.089	0.229	0.205	NA	NA	0.365
A010889_01		0.579	NA	0.262	0.138	NA	NA	NA	NA
A010924_01	NA	NA		0.24	0.018	NA	NA	-0.292	NA
A010967_01		1.414	1.323	-0.75	-0.863	1.37	1.26	1.69	2.07
A010984_01		0.418	0.355	0.271	0.03	0.12	NA	0.186	-0.011
A010986_01		-0.07	0.091	-0.102	0.123	-0.243	0.152	-0.038	0.238
A011239_01	NA		-0.323	-0.134	-0.104	NA	NA	-0.356	-0.459
A011702_01		1.25	1.158	0.507	0.411	0.566	0.279	0.169	NA
A011934_01		0.646	0.177	-0.137	NA	NA	NA	NA	NA
A011958_01	NA	NA		0.331	0.167	NA	NA	-0.069	-0.222
A012029_01		-0.152	-0.311	-0.936	-0.731	-0.185	NA	-0.431	-0.626
A012053_01		0.782	0.609	-0.322	-0.27	0.393	0.231	0.594	0.547
A012261_01	NA		0.577	0.257	0.148	NA	0.158	0.142	0.197
A012345_01	NA	NA		0.014	-0.076	NA	NA	0.135	0.032
A012409_01	NA	NA		0.135	NA	NA	NA	NA	0.254
A012427_01	NA		-0.547	-0.121	0.062	-0.48	NA	NA	-0.113
A012433_01		0.489	NA	-0.402	-0.108	-0.172	NA	0.569	0.799
A012676_01		0.105	-0.065	-1.316	-0.979	-0.521	NA	-0.766	-0.787
A012743_01	NA	NA		0.059	NA	NA	NA	0.186	0.076
A013121_01	NA	NA		0.699	0.494	0.785	NA	NA	0.444
A013400_01	NA	NA		-0.069	0.013	NA	NA	NA	-0.193
A013826_01		-0.036	-0.126	0.215	0.09	0.105	0.144	0.065	0.013
A014261_01	NA	NA		0.288	0.103	NA	NA	0.217	-0.043
A014327_01		1.189	0.901	0.079	0.002	0.972	NA	0.396	0.268
A014482_01	NA	NA		0.2	NA	NA	NA	0.048	NA
A015221_01	NA	NA		-0.172	-0.231	NA	NA	-0.283	-0.193
A015419_01	NA	NA		-1.285	-1.147	NA	NA	NA	NA
A015597_01	NA	NA		-0.396	NA	NA	NA	NA	NA
A015680_01	NA	NA		-0.268	-0.258	NA	NA	NA	NA
A015726_01	NA		0.487	-0.125	NA	NA	0.22	NA	0.316
A015821_01	NA	NA		0.546	0.29	NA	NA	0.052	-0.192
A015829_01	NA		-0.207	0.121	NA	NA	NA	NA	NA
A016078_01	NA	NA		-0.248	NA	NA	NA	NA	-0.277

A016171_01	1.563	1.433	0.277	0.301	0.32	0.456	0.369	0.71
A016256_01	0.753 NA		-0.194	-0.496 NA	NA		-0.141	-0.387
A016280_01	0.133 NA		0.146 NA		0.112 NA	NA	NA	
A016737_01 NA		-0.914	-0.399	-0.264 NA		-0.8	-0.799	-0.665
A016743_01 NA	NA		-0.237	-0.243 NA	NA	NA		-1.04
A016766_01	1.562	1.128	0.473	0.33 NA	NA	NA	NA	
A016874_01 NA	NA		-0.325	-0.566 NA	NA	NA	NA	
A016906_01	1.167	0.604	-0.919	-1.013	0.705	0.322	1.035	0.894
A016921_01	0.628	0.385	0.693	0.647	0.633 NA	NA		0.391
A016963_01 NA	NA		0.098 NA	NA	NA	NA		0.064
A017319_01	0.301	0.484	0.041	0.009	1.008	0.74	0.88	0.675
A017543_01 NA	NA		0.427	0.455 NA	NA		0.005	0.08
A017592_01 NA	NA		0.32	0.357 NA	NA		-0.339	-0.324
A017615_01 NA	NA		-0.251	-0.227 NA	NA		-0.034	-0.162
A017639_01 NA	NA		-0.011	-0.068 NA	NA		-0.396	-0.445
A017675_01 NA		-0.622	-0.946 NA		-0.57 NA	NA	NA	
A017696_01 NA		0.577	0.635	0.586 NA		0.4	0.337	0.444
A017708_01 NA	NA		0.365 NA		0.549 NA		0.703	0.577
A018180_01 NA	NA		-1.269 NA	NA	NA	NA	NA	
A018346_01	0.767	0.4	0.051 NA	NA	NA	NA	NA	
A018376_01 NA	NA		0.514	0.26 NA	NA		-0.067	0.013
A018459_01	0.433	0.164	0.257 NA		0.464 NA		0.51	0.354
A018525_01	0.751 NA		0.475 NA		0.324 NA		-0.009 NA	
A018642_01 NA	NA		-0.813	-0.785 NA	NA		-0.186	-0.772
A018791_01 NA		-0.357	-0.217	-0.18 NA		-0.19	-0.11	-0.02
A018839_01	0.103	0.202	-0.104 NA		0.196 NA	NA		-0.05
A019083_01 NA		0.245	0.404	0.121	0.047 NA		0.165	0.023
A019129_01 NA		0.027	-0.065	-0.207 NA	NA	NA		-0.188
A019148_01	0.552	0.507	0.184	0.132	0.332	0.122	0.079	-0.094
A019207_01	0.639	0.475	0.524 NA		0.352 NA	NA		0.175
A019260_01 NA		0.236	0.281	0.19 NA		0.155	0.228	0.127
A019316_01 NA	NA		0.421	0.276 NA	NA		0.246	0.014
A019339_01 NA	NA		0.257	0.212 NA	NA		0.06	-0.202
A019441_01 NA		0.477	0.021	0.045 NA		0.567	0.176	0.497
A019481_01 NA	NA		0.21	0.211 NA	NA		-0.348	-0.464
A019507_01	-0.226	0.054	-0.052 NA		0.683	0.813 NA		0.603
A019546_01 NA	NA		-0.965 NA	NA	NA	NA	NA	
A019605_01	0.837	0.629	-0.203 NA		0.122 NA	NA		0.32
A019623_01 NA	NA		0.023	0.006 NA	NA		0.272	0.227
A019735_01 NA		-0.157 NA	NA		-0.635	-0.994	-0.649 NA	
A019790_01	1.563	1.218	-0.816	-0.866	1.474	1.395	1.817	2.03
A019856_01	1.335	1.337	-0.296	-0.346	0.758	0.415	1.413	1.428
A019860_01	0.577	0.235	-0.161	-0.111 NA	NA	NA		-0.553
A019961_01	0.453	0.43	0.136	0.036	0.453	0.53	0.225	0.224
A020003_01 NA		0.024	-0.058 NA	NA	NA	NA		0.048
A020052_01 NA	NA		-0.952	-0.613 NA	NA		-0.482	-0.578
A020094_01 NA		0.369	0.065	0.056 NA	NA	NA	NA	
A020163_01	1.277	0.749	0.343 NA		0.295 NA		0.143 NA	
A020252_01 NA	NA		-0.065 NA	NA	NA	NA		0.045
A020391_01 NA	NA		-0.034	0.078 NA	NA		-0.238 NA	
A020483_01	1.04	0.96	0.219	0.068 NA	NA		0.038 NA	
A020662_01 NA	NA		0.624	0.411 NA	NA	NA		-0.176
A020698_01	0.812	0.662	0.021	0.074	0.694	0.758	0.517	0.626
A020745_01	0.343	0.085	0.438 NA		0.247 NA	NA	NA	
A020865_01	0.345	0.554	0.365	0.182	-0.024 NA		-0.322	-0.65
A020875_01	0.537	0.348	-0.062 NA	NA	NA	NA	NA	
A020877_01	0.985	1.088	-0.235	-0.411	-0.196	-0.399	-0.515	-0.739
A020895_01 NA	NA		0.104 NA	NA	NA		-0.168 NA	
A020989_01	0.624 NA		-0.031	-0.357 NA	NA	NA	NA	
A021075_01 NA	NA		0.159	0.043 NA	NA		0.233	-0.086
A021101_01	0.171	0.121	-0.295 NA		-0.814 NA	NA		-0.831
A021199_01	0.9	0.515	-0.244	-0.197 NA		0.767	0.396	0.503
A021203_01 NA	NA		0.639	0.295 NA	NA	NA	NA	
A021404_01	0.543	0.205	0.397	-0.04	0.391	0.459	0.448	0.464
A021457_01	0.375	0.334	-0.069 NA		0.25 NA	NA		0.485
A021598_01 NA	NA		0.081	-0.004 NA	NA		-0.142 NA	
A021618_01	-0.025 NA		-0.012	-0.319	-0.568	-0.731	-0.207	-0.459
A021825_01 NA		-0.613	-0.682 NA		0	-0.456	-0.13 NA	

A021855_01		0.471	0.238	-0.158	-0.252	0.796	0.546	0.183	0.216
A022122_01		0.623	0.082	0.071	-0.208	1.583	1.163	1.437	1.211
A022228_01	NA	NA		0	-0.112 NA		0.427	0.198	-0.001
A022508_01	NA	NA		-0.01	-0.057 NA	NA		-0.162	-0.139
A022526_01	NA	NA		-0.101	-0.135 NA	NA	NA		-0.462
A022621_01	NA	NA		0.286	0.176 NA	NA	NA		-0.357
A022710_01		-1.26	-0.501	0.052	-0.049	0.326	0.128	0.405	0.198
A022924_01	NA	NA		-0.265	-0.177 NA	NA	NA		-0.092
A023591_01	NA	NA		0.433 NA		0.798 NA		0.52	0.401
A023758_01		1.521	1.176	-1.176	-0.907	0.589	0.815	-0.27	0.255
A023785_01		0.315	0.242	0.245	0.24 NA	NA		-0.159	-0.097
A023963_01		0.691 NA		-0.297	-0.313 NA	NA		-0.186	-0.04
A024087_01	NA		0.198	0.363 NA		0.453 NA	NA		0.163
A024254_01		0.467	0.435	-0.297 NA	NA	NA	NA	NA	
A024432_01	NA	NA		0.449	0.462 NA	NA		-0.388	-0.376
A024688_01	NA	NA		0.923	0.678 NA	NA		-0.137	-0.423
A024828_01	NA	NA		0.295	-0.083 NA	NA		0.137 NA	
A024871_01	NA		-0.497	0.269 NA		0.278 NA	NA		0.34
A025304_01	NA	NA		-0.071	-0.249 NA	NA		-0.262	-0.574
A025505_01	NA	NA		0.376	0.138 NA	NA		-0.049 NA	
A025631_01		0.231	0.374	0.37	0.343	0.625 NA		0.566	0.531
A025649_01	NA		0.387	-0.269 NA		0.845 NA		0.408 NA	
A025888_01	NA		-0.292	-0.308	-0.395 NA		-0.339	-0.088 NA	
A025917_01		0.526	0.067	0.243	-0.038	0.095	-0.099	0.091	-0.18
A025993_01	NA		0.495	0.429	0.312 NA		0.652	0.246	0.419
A000832_01	NA	NA		-0.248 NA	NA		0.357	0.489	0.553
A000983_01		1.106	1.232	0.381	0.594	0.37	0.393 NA		0.143
A001323_01	NA	NA	NA		-0.015 NA		-0.072	-0.038 NA	
A001615_01	NA	NA		-0.049	-0.064	0.807	1.108	0.728	0.628
A002100_01		1.17	1.206	0.464	0.54	0.359	0.252	-0.275	-0.177
A002428_01		0.28	0.443	0.43	0.484	1.121	0.862	1.2	1.101
A002959_01		1.096 NA		-0.098	-0.083 NA	NA		-0.154	-0.04
A003384_01		0.821	0.965	0.824	0.678	0.748 NA	NA		0.207
A003432_01		1.878	1.671	0.075	0.152	-0.07	0.122	0.06 NA	
A003906_01		0.995	0.976	0.195	0.402	0.656	1.027	0.843	1.237
A004158_01	NA	NA		0.172	0.317 NA	NA		-0.186	0.042
A005016_01	NA	NA		0.694	0.732	0.971 NA		0.41	0.691
A006218_01		1.087	0.991	0.199	0.341	0.714	0.474	0.657	0.715
A006571_01	NA	NA		-0.461	-0.273 NA	NA	NA		-0.31
A007664_01		1.072	0.936	-0.176	-0.229	-0.24	-0.438	-0.668 NA	
A007996_01	NA	NA		-0.112	-0.255 NA	NA		0.056	-0.172
A008395_01	NA	NA		0.288	-0.022 NA	NA		-0.059	-0.284
A009384_01		0.57	0.657	0.06	0.131	-0.117	-0.125	-0.819	-0.776
A010777_01	NA	NA		-0.165	-0.15 NA	NA		-0.104 NA	
A011549_01		1.052	0.866	0.769	0.384	1.107	0.809	0.377	0.456
A012282_01	NA	NA		0.129	0.138 NA	NA		-0.128	-0.156
A012617_01	NA		0.444	0.048	-0.054 NA	NA		0.388 NA	
A014149_01		-0.104 NA		1.036	1.036	0.601	0.849	-0.104	0.042
A014237_01	NA		0.3 NA		-0.342 NA	NA		-0.029 NA	
A014458_01	NA		0.58	0.026	-0.262 NA	NA		-0.033 NA	
A014719_01		0.981	0.842	0.02	0.122	1.343	1.281	1.022	1.105
A014768_01	NA		-0.029	0.105	0.012 NA	NA		-0.029	-0.257
A015277_01		0.939	0.714	0.426	0.084	0.797 NA		0.509	0.241
A015501_01		1.112	1.115	0.173	0.007	-0.005	-0.204	-0.361	-0.676
A015891_01		0.429	0.225	0.613	0.392	1.548	0.884	0.924	0.857
A016892_01		1.055	1.094	0.601	0.51	0.878	1.026	0.786	0.681
A018578_01	NA	NA		0.438	0.461	0.967	0.878	0.755	0.658
A018773_01	NA		-0.135	-0.282	-0.261 NA		-0.303	-0.307	-0.343
A019147_01	NA	NA		0.321	0.05 NA	NA		0.149	-0.04
A019173_01	NA		-0.427	-0.083	-0.125 NA		-0.93	-0.409	-0.473
A020365_01	NA	NA		0.495	0.564 NA	NA		-0.707	-0.62
A020695_01	NA	NA		-0.939	-0.901 NA	NA		-0.541	-0.959
A020773_01	NA	NA		0.323	-0.071 NA		0.076	0.17	-0.114
A021007_01		-0.019	0.007	0.294	0.078	1.514	1.074	0.985	1.018
A021284_01	NA	NA		0.023	-0.172 NA	NA		-0.464	-0.654
A021358_01	NA		0.14	0.245	0.05 NA		0.825	0.027	0.206
A021505_01		0.357	0.512	-0.125	-0.254	0.308	0.432	-0.222	-0.123
A021801_01		1.469	1.402	-1.264	-1.062	-0.503	-0.514	1.392	1.396

A021844_01	NA		0.516	0.264	0.081 NA		0.304	0.439	0.249
A021861_01	NA	NA		0.04	0.087 NA	NA		-0.39 NA	
A021957_01	NA	NA		0.607	0.562 NA	NA		-0.293	-0.415
A022288_01		1.617	1.465	0.143	0.03	-0.056	-0.202	0.058	-0.013
A022312_01	NA	NA		0.953	0.701	0.891 NA		0.206	-0.039
A023427_01		1.305	0.917	0.471	0.526	1.477	1.616	1.226	1.404
A023639_01		0.686 NA		-0.077 NA		1.022	0.756 NA		0.382
A024654_01		1.183	0.382	0.273	0.098	0.317 NA		0.292 NA	
A025744_01	NA	NA		0.742	0.481 NA	NA		0.147	-0.041
A008108_01		0.664	0.936	0.475	0.442	0.91	0.79	0.49	0.414
A011990_01	NA	NA		0.463	0.276 NA	NA		0.015	-0.087
A018550_01	NA		0.542	-0.912 NA	NA		0.729	-0.017	0.366
A018865_01	NA		-0.16	0.314	0.207 NA		0.307	0.079	0.081
A020743_01		0.705 NA		0.232	-0.079 NA		0.042	0.082 NA	
A023790_01	NA		0.035	0.138	-0.213 NA	NA		-0.198 NA	
A023812_01	NA		0.318	-0.227 NA	NA		0.114	-0.272 NA	
A024387_01	NA		0.509	0.069	0.115 NA		-0.189	-0.236	-0.105
A024446_01		1.275	0.535	-0.719	-0.701	1.535	1.125	1.437	1.414
A024462_01	NA		0.55	-0.194 NA	NA	NA		0.197 NA	
A024556_01		1.743	1.431	0.037	0.022 NA		-0.081	-0.088 NA	
A025800_01	NA		0.17	0.363	0.101 NA	NA		-0.065 NA	
A000741_01		0.132	0.35	-0.124	-0.05 NA		-0.121	-0.192	-0.142
A020770_01		0.3	0.865	-1.905	-1.806	1.481	0.761	1.627	1.738
A001491_01	NA		0.987	0.358	0.365	0.78	1.142	0.766	0.596
A000015_01	NA		-0.859 NA		-0.918 NA		-1.026 NA	NA	
A000400_01	NA		-0.154	0.011	0.08 NA		0.029	0.082	0.035
A000418_01	NA		0.209	-0.435	-0.175 NA		0.069	-0.248	0.077
A000448_01	NA		-0.779	-0.095	0.225 NA		-0.366	-0.2	-0.089
A000745_01	NA		0.022	0.279	0.153 NA		0.085	0.239	0.106
A000942_01	NA		-0.235	0.211	0.228 NA		0.04	0.063	-0.096
A001047_01	NA		0.173	-0.837 NA	NA		-0.415 NA	NA	
A001349_01	NA		-0.217	0.183	0.259 NA		-0.265	0.07	0.047
A001364_01	NA		-0.027	0.04	0.049 NA		-0.221	-0.228	-0.358
A001393_01	NA		0.37	0.327	0.476 NA		-0.137	-0.199	-0.061
A001427_01	NA		0.636	-0.016	0.184 NA		0.316	0.223	0.379
A001475_01	NA		-0.573	0.304	0.158 NA		-0.081	-0.01	-0.101
A001493_01	NA		0.476	-0.258	-0.018 NA		-0.053	-0.15	0.237
A001569_01	NA		0.081	0.005	0.282 NA		0.197	-0.053	0.093
A002091_01	NA		-0.139	-0.701 NA	NA		0.044	0.507 NA	
A002115_01	NA		-0.612	-0.231	-0.229 NA		-0.084	-0.16	-0.321
A002139_01	NA		-0.17	-0.062	0.006 NA		-0.214	0.004	0.071
A002163_01	NA	NA		-0.214	-0.146 NA		-0.077	0.283	0.185
A002347_01	NA		0.261	-0.161	0.08 NA	NA		-0.477 NA	
A002358_01	NA		0.291	-0.166	0.456 NA		0.087	-0.003	0.498
A002438_01	NA		0.444	0.125	0.344 NA		0.707	0.399	0.65
A002620_01	NA		0.965	0.198	0.38 NA		0.888	0.54	0.839
A003454_01	NA		0.001	-0.45 NA	NA	NA	NA	NA	
A004153_01	NA	NA		0.057	0.139 NA		0.212	0.178	0.138
A004340_01	NA		-0.403	0.064	0.068 NA		-0.367	-0.161	-0.134
A004366_01	NA		0.135	-0.38	-0.114 NA		0.076	-0.077	0.069
A004544_01	NA		0.334	0.203	0.244 NA		0.576	0.504	0.458
A004681_01	NA		-0.32	-0.122	-0.174 NA		-0.308	-0.279	-0.44
A004767_01	NA		-0.54	0.148	0.182 NA	NA		0.148	0.215
A004957_01	NA		0.587	0.73	0.474 NA		0.398	0.175	-0.059
A004958_01	NA		-0.06	-0.213	-0.092 NA		0.6	0.291	0.507
A004969_01	NA		0.076	-0.117 NA	NA	NA	NA		0.17
A005896_01	NA		0.258	0.026	0.075 NA		0.489	0.249	0.483
A005927_01	NA		0.043	0.128	0.147 NA		-0.034	-0.076	0.069
A005993_01	NA		0.803	-0.141	0.025 NA		-0.587	-0.533	-0.312
A006010_01	NA		0.605	-0.14	0.23 NA		0.178	-0.876	-0.448
A006113_01	NA		-0.656	0.213	0.103 NA		-0.079	0.309	0.213
A006404_01	NA	NA		0.216	0.111 NA		-0.108	-0.099	-0.001
A006526_01	NA		0.975	0.402	0.455 NA		0.979	0.735	1.046
A006614_01	NA		0.099	0.003	0.114 NA		0.482	0.409	0.477
A006812_01	NA		-0.276	-0.036	0.047 NA		-0.221	-0.872	-0.815
A006983_01	NA		0.327	0.382	0.527 NA		0.85	0.532	0.598
A007065_01	NA		0.294	-0.646	-0.454 NA		-0.696 NA		-0.774
A007160_01	NA		0.256	-0.731	-0.482 NA		-0.656	-0.837	-0.707

A007253_01	NA	0.417	-0.305	-0.238	NA	1.023	1.036	0.927
A007301_01	NA	-0.704	0.468	0.302	NA	0.098	0.132	-0.098
A007345_01	NA	-0.396	-0.253	-0.226	NA	-0.339	0.057	-0.049
A007579_01	NA	0.142	-0.159	0.06	NA	-0.089	-0.756	-0.618
A007731_01	NA	-0.117	-0.084	-0.105	NA	-0.123	0.205	0.052
A007737_01	NA	0.065	-0.065	-0.031	NA	-0.283	-0.064	-0.045
A008444_01	NA	-0.151	-0.296	-0.289	NA	-0.189	-0.275	-0.373
A008462_01	NA	-0.038	0.032	-0.07	NA	-0.012	0.206	0.257
A009204_01	NA	-0.746	-1.503	-1.544	NA	-1.226	-0.448	-0.696
A009242_01	NA	0.096	-0.011	0.093	NA	0.265	-0.033	0.016
A009243_01	NA	0.377	0.227	0.113	NA	-0.127	0.2	0.095
A009644_01	NA	0.207	-0.067	NA	NA	0.16	NA	NA
A009651_01	NA	0.104	-0.248	-0.057	NA	0.224	0.05	0.492
A009685_01	NA	0.375	-0.278	-0.284	NA	0.175	0.207	0.131
A009717_01	NA	0.831	-0.003	-0.025	NA	0.347	0.253	0.069
A009718_01	NA	-1.148	-0.669	-0.494	NA	-0.882	-0.781	-0.91
A009724_01	NA	0.456	NA	-0.084	NA	-0.085	-0.102	NA
A010662_01	NA	0.682	0.161	0.259	NA	0.333	NA	0.27
A011147_01	NA	-0.543	-0.148	-0.252	NA	-0.691	-0.095	-0.167
A011464_01	NA	0.429	0.386	0.338	NA	0.473	0.268	0.468
A011466_01	NA	NA	0.249	0.233	NA	0.029	-0.197	-0.171
A011639_01	NA	NA	-0.27	-0.413	NA	0.127	0.448	0.43
A011648_01	NA	0.105	0.161	0.105	NA	0.276	0.296	0.323
A011649_01	NA	0.371	0.276	0.407	NA	-0.048	0.077	0.1
A011737_01	NA	-0.34	-0.066	0.04	NA	0.364	-0.028	-0.131
A011739_01	NA	-0.334	-0.414	-0.207	NA	-0.011	-0.179	0
A011796_01	NA	-0.168	-0.411	-0.353	NA	-0.143	-0.059	-0.183
A011824_01	NA	-0.683	-0.127	-0.096	NA	-0.232	-0.175	-0.213
A012405_01	NA	0.356	0.436	0.278	NA	-0.073	-0.113	-0.283
A012825_01	NA	-0.066	0.191	0.166	NA	-0.011	NA	0.121
A012892_01	NA	0.106	-0.291	-0.134	NA	-0.093	-0.13	0.032
A013060_01	NA	0.145	0.048	-0.044	NA	0.058	0.026	-0.046
A013531_01	NA	0.241	-0.723	NA	NA	NA	NA	NA
A013767_01	NA	-0.108	-0.737	-0.636	NA	-0.285	-0.151	-0.232
A013865_01	NA	0.213	-0.058	0.015	NA	0.075	-0.115	0.007
A013881_01	NA	-0.836	-0.494	-0.323	NA	NA	-0.386	-0.575
A014044_01	NA	0.224	0.279	0.06	NA	NA	-0.102	-0.337
A014689_01	NA	-0.38	-0.043	-0.119	NA	-0.058	-0.308	-0.434
A014744_01	NA	1.141	-1.937	-1.579	NA	1.161	0.939	1.326
A014791_01	NA	0.059	0.726	0.785	NA	0.29	0.058	0.226
A014967_01	NA	NA	0.287	0.296	NA	NA	-0.328	-0.144
A015087_01	NA	0.108	0.546	0.069	NA	NA	0.318	-0.076
A015212_01	NA	-0.516	0.188	0.209	NA	-0.009	-0.142	-0.026
A015226_01	NA	-0.287	0.197	-0.613	NA	-0.307	0.688	0.097
A015340_01	NA	-0.631	0.274	0.249	NA	-0.598	-0.521	-0.209
A015551_01	NA	NA	-0.681	NA	NA	-0.418	-0.553	NA
A015561_01	NA	-0.382	-0.588	-0.374	NA	-0.913	-0.521	-0.44
A015575_01	NA	-0.626	0.67	0.563	NA	-0.851	-0.185	-0.482
A016276_01	NA	-0.095	-0.048	-0.088	NA	-0.136	-0.093	-0.133
A016302_01	NA	-0.521	0.017	0.002	NA	0.148	0.135	0.09
A016527_01	NA	NA	NA	NA	NA	-0.129	0.183	NA
A017523_01	NA	-0.445	-1.115	-0.945	NA	-0.177	-0.13	0.083
A017547_01	NA	0.346	0.714	0.415	NA	0.618	0.701	0.517
A017927_01	NA	-0.42	0.046	-0.048	NA	-0.174	0.005	0.149
A017943_01	NA	-0.145	0.484	0.354	NA	0.411	0.249	0.339
A018485_01	NA	-0.635	-0.282	-0.288	NA	-0.12	0.003	0.077
A018705_01	NA	0.057	-0.486	-0.449	NA	0.407	0.588	0.685
A018761_01	NA	-0.324	-0.432	-0.303	NA	-0.319	-0.251	-0.361
A018765_01	NA	-0.899	-0.597	-0.433	NA	-0.349	-0.128	-0.129
A018790_01	NA	-0.352	-0.177	-0.146	NA	-0.44	-0.34	-0.356
A018794_01	NA	-0.026	0.236	0.054	NA	-0.017	0.256	-0.254
A018861_01	NA	0.2	-0.079	-0.09	NA	0.329	0.169	0.182
A018876_01	NA	-0.261	-1.226	-1.211	NA	-0.772	-0.899	-0.412
A019001_01	NA	-1.689	-0.773	-0.718	NA	-1.057	-1.073	-1.087
A019031_01	NA	0.962	0.358	0.273	NA	1.065	0.984	1.135
A019042_01	NA	0.423	0.47	0.333	NA	0.591	0.29	0.145
A019054_01	NA	0.365	0.316	0.088	NA	0.124	0.235	0.131
A019079_01	NA	1.261	0.426	0.156	NA	0.107	0.429	0.407

A019084_01	NA	NA	-0.302	-0.571	NA	-0.146	-0.089	-0.326
A019125_01	NA	NA	-0.165	NA	NA		-0.086	-0.079
A019185_01	NA	0.425	-0.017	-0.008	NA	0.175	0.251	0.199
A019226_01	NA	-0.354	-0.285	-0.422	NA	-0.152	0.277	0.21
A019232_01	NA	NA	0.423	0.25	NA		-0.027	-0.324
A019280_01	NA	0.24	0.055	NA	NA	0.053	-0.068	0.261
A019462_01	NA	NA	-0.065	NA	NA	NA	NA	
A019792_01	NA	0.585	-0.054	-0.073	NA	0.652	0.436	0.7
A019986_01	NA	0.384	-0.131	-0.173	NA	0.428	0.098	0.288
A019992_01	NA	0.505	0.021	0.012	NA	-0.014	-0.019	0.096
A019996_01	NA	-0.252	0.03	0.051	NA	-0.066	0.076	-0.115
A020426_01	NA	0.78	-0.323	-0.16	NA	0.235	-0.07	0.248
A020775_01	NA	-0.007	0.035	-0.032	NA	-0.1	0.152	0.11
A020779_01	NA	0.393	-1.223	-1.203	NA	-0.289	-0.83	-1.046
A021737_01	NA	-0.597	-0.383	-0.521	NA	-0.632	NA	
A022056_01	NA	-0.089	-0.037	-0.118	NA	0.255	0.26	0.182
A022274_01	NA	NA	-0.044	NA	NA		-0.442	-0.701
A023555_01	NA	-0.294	0.116	-0.181	NA	-0.493	-0.2	-0.298
A024044_01	NA	0.326	0.152	0.041	NA	0.164	0.23	0.107
A024170_01	NA	-0.388	-0.152	-0.161	NA	-0.072	-0.308	-0.284
A024467_01	NA	0.765	-0.304	-0.118	NA	0.104	-0.096	0.265
A024543_01	NA	-0.031	NA	0.751	NA	0.291	-0.174	-0.291
A024776_01	NA	0.436	0	-0.034	NA	0.124	0.117	0.033
A025167_01	NA	-0.375	0.466	0.388	NA	0.029	0.019	0.023
A025902_01	NA	-0.303	-0.312	-0.319	NA	-0.109	0.072	-0.045
A026000_01	NA	0.444	0.67	0.492	NA	0.145	0.428	0.195
A026032_01	NA	0.362	0.324	0.354	NA	0.214	0.342	0.277
A000572_01	NA	NA	-0.056	0.294	NA	NA		0.539
A004818_01	NA	NA	0.069	0.339	NA		-0.014	0.159
A005988_01	NA	NA	0.105	0.253	NA		0.68	0.873
A006161_01	NA	0.012	0.176	0.168	NA	0.491	0.291	0.246
A007292_01	NA	NA	-0.079	0.039	NA		-0.447	-0.582
A007713_01	NA	-0.342	-0.295	-0.2	NA	-0.515	-0.488	-0.455
A009463_01	NA	0.855	0.415	0.291	NA	0.38	0.063	0.263
A011646_01	NA	NA	0.486	0.244	NA	0.082	0.015	-0.223
A012457_01	NA	0.218	0.046	0.095	NA		-0.236	-0.237
A012674_01	NA	0.35	0.592	0.292	NA	0.797	0.904	0.797
A016524_01	NA	NA	0.492	0.31	NA		-0.003	-0.029
A017134_01	NA	NA	0.327	0.227	NA	0.273	0.376	0.5
A018784_01	NA	0.273	-0.188	-0.137	NA	0.233	-0.364	-0.698
A019101_01	NA	NA	0.352	0.172	NA		-0.131	-0.207
A020277_01	NA	NA	0.416	0.325	NA	-0.204	0.126	-0.028
A024469_01	NA	NA	-0.857	-0.722	NA		-0.732	-0.747
A024824_01	NA	-0.086	-0.228	-0.23	NA		0.379	0.298
A005098_01	NA	0.709	NA	0.415	NA	0.831	0.165	NA

Table S2. Expression profile of differentially expressed genes in the complete dataset

Differentially expressed genes based on 3% FDR multiclass SAM after technical replicas averaged and 2-fold change after biological replicas averaged. Normalized Log2 (mean ratio relative to 0-1 DPA mean), 3% FDR multiclass SAM Score (d) and q value, and Scores for contribution in the first and in the second principal components in the two components PCA analysis are shown. NA, feature signal did not pass the quality control parameters.

Oligo ID	AGI	Annotation	0-1 DPA Mean	2-3 DPA Mean	4-5 DPA Mean	6-7 DPA Mean	8-9 DPA Mean	10-11 DPA Mean	12-14 DPA Mean	Score(d) SAM MC (FDR 3%)	q-value SAM MC (FDR 3%)	PC1 Score	PC2 Score
A000022_01	At1g12140	hypothetical protein; protein ic	0	0.05	0.58	0.60	0.77	1.03	1.30	1.1	0.10	-1.81	-1.10
A000029_01	At1g78580	trehalose-6-phosphate synthase	0	-0.60	-1.36	-1.22	-0.89	-1.23	-1.25	0.6	4.47	2.53	-0.73
A000031_01	At1g19670	expressed protein; protein id:	0	-0.22	-0.74	-1.26	-1.15	-1.48	-2.07	0.6	4.47	2.55	0.72
A000061_01	At1g76590	expressed protein; protein id:	0	3.20	3.17	3.35	3.20	3.41	3.28	1.0	0.18	-1.81	0.85
A000063_01	At1g76560	expressed protein; protein id:	0	0.81	0.71	0.78	1.41	1.29	1.26	1.2	0.06	-1.91	-0.37
A000065_01	At1g68110	expressed protein; protein id:	0	0.37	0.62	0.70	0.86	1.13	1.28	0.6	4.47	-1.97	-0.79
A000124_01	At1g23040	expressed protein; protein id:	0	1.99	2.58	2.54	2.71	2.55	2.65	1.2	0.06	-1.91	0.57
A000146_01	At1g19850	auxin response transcription f	0	0.33	0.10	-0.53	-1.47	-1.46	-1.41	0.8	0.55	2.18	1.38
A000157_01	At1g77060	carboxyphosphoenolpyruvate	0	-0.09	-0.77	-1.28	-1.17	-1.08	-1.33	0.7	2.21	2.52	0.36
A000173_01	At1g44446	chlorophyll a oxygenase; prot	0	0.83	0.80	0.81	1.25	1.12	0.95	0.8	0.81	-1.89	0.23
A000220_01	At1g27000	bZIP family transcription facto	0	0.46	0.69	0.87	0.78	0.77	1.68	0.7	0.96	-1.71	-0.52
A000248_01	At1g75870	hypothetical protein; protein ic	0	-0.06	-0.21	0.56	0.71	0.77	1.29	0.8	0.96	-1.37	-1.70
A000253_01	At1g20330	sterol-C-methyltransferase; p	0	-0.24	-0.43	-0.48	-0.90	-1.30	-1.23	1.3	0.06	2.52	0.81
A000259_01	At1g66350	RGL1;protein id: At1g66350.1	0	-1.19	-1.24	-1.13	-1.41	-1.32	-1.18	0.9	0.41	2.55	-1.19
A000260_01	At1g76020	unknown protein; protein id: A	0	0.29	0.47	0.45	0.95	1.07	0.67	0.7	2.21	-1.78	-0.79
A000297_01	At1g69720	putative heme oxygenase; pro	0	0.24	0.67	0.60	1.17	1.02	1.14	0.9	0.37	-1.93	-0.84
A000319_01	At1g26820	ribonuclease, RNS3; protein i	0	2.11	1.72	1.05	0.72	-0.14	0.60	1.0	0.18	0.34	2.16
A000324_01	At1g69420	DHHC-type zinc finger proteir	0	-0.98	-1.32	-1.69	-1.63	-2.19	NA	0.7	2.21	NA	NA
A000325_01	At1g20070	hypothetical protein; protein ic	0	0.41	0.49	0.79	1.66	1.58	1.37	1.2	0.06	-1.75	-1.12
A000329_01	At1g54570	expressed protein; protein id:	0	0.57	0.69	0.31	0.12	0.34	1.41	1.1	0.10	-0.87	0.10
A000348_01	At1g80280	unknown protein; protein id: A	0	-2.20	-2.62	-2.15	-2.16	-2.19	-1.65	1.3	0.06	2.14	-1.75
A000352_01	At1g80270	hypothetical protein; protein ic	0	-1.72	-1.89	-1.49	-2.57	-2.11	-2.56	0.9	0.37	2.70	-0.54
A000358_01	At1g63660	GMP synthase; protein id: At1	0	-1.21	-1.35	-1.12	-1.57	-1.41	-1.55	1.0	0.14	2.69	-0.88
A000382_01	At1g11080	serine carboxypeptidase isolc	0	1.97	1.46	0.92	0.30	1.76	1.36	0.6	2.21	-0.65	0.97
A000389_01	At1g79180	myb family transcription facto	0	0.47	1.28	2.00	3.62	3.26	2.37	0.6	4.47	-1.69	-0.98
A000406_01	At1g32470	glycine cleavage system H pr	0	-0.06	-0.48	-0.83	-0.74	-0.90	-1.45	0.8	0.66	2.48	0.67
A000410_01	At1g02610	hypothetical protein; protein ic	0	2.49	2.60	2.77	3.05	3.01	3.00	1.5	0.06	-1.94	0.52
A000473_01	At1g03710	hypothetical protein; protein ic	0	-0.14	-0.57	-0.73	-1.10	-1.28	-1.34	0.9	0.27	2.63	0.71
A000489_01	At1g03550	expressed protein; protein id:	0	0.70	1.21	1.35	1.57	1.69	2.01	1.2	0.06	-2.04	-0.53
A000525_01	At1g03050	putative protein destination fa	0	-0.09	0.31	0.50	0.72	0.79	1.27	0.9	0.37	-1.65	-1.40
A000548_01	At1g19330	expressed protein; protein id:	0	0.32	-0.30	-0.38	-0.43	-0.97	-1.38	0.7	1.20	2.19	1.10
A000553_01	At1g11820	glycosyl hydrolase family 17; |	0	-0.80	-1.00	-1.16	-1.27	-1.18	-1.28	0.8	0.66	2.79	-0.53
A000555_01	At1g72180	leucine-rich repeat transmem	0	1.04	1.29	1.29	1.21	0.57	0.97	0.9	0.41	-1.03	1.31
A000567_01	At1g22190	AP2 domain transcription fact	0	1.28	1.50	1.68	1.69	1.84	2.14	1.2	0.06	-2.04	0.13
A000577_01	At1g72160	cytosolic factor, putative; prot	0	0.84	1.10	1.17	1.60	1.46	0.84	1.3	0.06	-1.64	0.23

A000579_01	At1g72230	blue copper protein, putative;	0	-0.95	0.05	0.42	1.87	1.22	0.20	0.6	2.21	-0.83	-1.46
A000582_01	At1g09430	unknown protein; protein id: A	0	0.86	1.10	1.31	1.88	1.85	1.51	1.6	0.06	-1.95	-0.39
A000592_01	At1g51340	expressed protein; protein id:	0	0.23	0.81	1.05	1.58	1.58	2.07	1.2	0.06	-1.87	-1.12
A000612_01	At1g13245	expressed protein; protein id:	0	1.60	2.02	2.04	1.99	2.08	2.18	1.3	0.06	-1.94	0.56
A000619_01	At1g64360	expressed protein; protein id:	0	1.50	2.73	4.05	5.33	5.21	5.36	0.9	0.41	-1.96	-0.85
A000639_01	At1g16320	unknown protein; protein id: A	0	1.32	1.53	1.60	1.56	1.70	1.51	0.9	0.27	-1.82	0.68
A000645_01	At1g77610	expressed protein; protein id:	0	-0.52	-0.52	-0.63	-0.93	-1.11	-0.83	0.9	0.31	2.67	0.01
A000649_01	At1g29130	hypothetical protein; protein ic	0	0.54	0.91	0.80	0.91	0.94	1.01	1.1	0.10	-1.99	0.18
A000652_01	At1g29050	expressed protein; protein id:	0	1.31	1.82	1.80	2.09	1.72	1.34	1.6	0.06	-1.56	0.72
A000653_01	At1g11530	thioredoxin h, putative; protei	0	1.23	1.60	1.72	1.88	1.91	1.90	1.1	0.10	-2.03	0.17
A000668_01	At1g77740	putative phosphatidylinositol-4	0	-0.10	0.32	0.39	0.63	0.55	1.08	1.0	0.26	-1.61	-1.32
A000696_01	At1g68830	putative protein kinase; protei	0	0.67	1.24	1.33	1.78	2.15	2.19	1.2	0.06	-2.01	-0.73
A000722_01	At1g15415	hypothetical protein; protein ic	0	0.33	0.75	0.90	1.03	0.98	1.17	1.0	0.20	-1.98	-0.50
A000742_01	At1g18450	expressed protein; protein id:	0	0.03	-0.50	-0.68	-0.79	-0.95	-1.17	0.8	0.96	2.54	0.79
A000755_01	At1g24520	putative agp1; protein id: At1g	0	0.34	0.69	0.96	0.92	1.06	1.50	0.9	0.41	-1.92	-0.72
A000795_01	At1g66980	kinase, putative; protein id: At	0	1.27	1.87	1.57	1.38	0.96	1.31	1.1	0.14	-1.23	1.36
A000807_01	At1g53380	unknown protein; protein id: A	0	-0.68	-0.81	-0.74	-0.61	-1.20	-0.85	0.6	4.47	2.47	-0.67
A000814_01	At1g74840	myb family transcription facto	0	1.28	1.27	1.33	1.18	0.94	0.84	0.6	2.21	-1.17	1.54
A000827_01	At1g80160	expressed protein; protein id:	0	2.67	2.82	2.66	2.70	3.24	3.52	1.4	0.06	-1.92	0.46
A000828_01	At1g80180	expressed protein; protein id:	0	2.54	2.79	2.86	2.97	3.01	3.12	1.3	0.06	-1.92	0.62
A000851_01	At1g52710	unknown protein; protein id: A	0	1.77	1.02	0.33	0.52	0.27	0.22	0.6	4.47	0.42	2.00
A000856_01	At1g27300	expressed protein; protein id:	0	1.30	1.20	1.26	1.09	1.51	1.54	0.8	0.96	-1.81	0.54
A000880_01	At1g25480	hypothetical protein; protein ic	0	0.46	0.59	0.87	1.82	1.69	1.92	0.6	4.47	-1.84	-1.14
A000888_01	At1g50730	hypothetical protein; protein ic	0	1.13	0.93	0.71	0.91	0.72	-0.11	1.1	0.14	-0.07	1.59
A000936_01	At1g80940	expressed protein; protein id:	0	0.62	0.75	0.63	0.94	0.90	1.10	0.9	0.26	-1.97	-0.10
A000937_01	At1g80950	expressed protein; protein id:	0	0.52	0.86	0.93	0.85	0.86	1.02	1.0	0.18	-1.95	0.20
A000970_01	At5g10330	putative histidinol-phosphate	0	-0.48	-0.90	-0.84	-0.84	-0.95	-1.07	1.1	0.14	2.74	-0.43
A000992_01	At1g14900	linker histone protein, putative	0	-0.52	-0.96	-1.06	-1.30	-1.43	-1.29	1.1	0.10	2.75	0.02
A001006_01	At1g75310	unknown protein; protein id: A	0	-0.34	-0.57	-1.02	-1.05	-0.97	-0.95	0.7	2.21	2.68	0.16
A001052_01	At1g14980	10 kDa chaperonin (CPN10);	0	-1.03	-0.89	-0.71	-1.20	-1.26	-1.22	1.3	0.06	2.61	-0.60
A001059_01	At1g32900	starch synthase, putative; pro	0	-0.92	-0.91	-0.92	-1.24	-1.44	-1.18	0.7	1.61	2.62	-0.35
A001086_01	At1g60940	putative serine/threonine-prot	0	0.41	0.77	0.93	1.30	1.24	1.49	1.2	0.06	-1.99	-0.76
A001091_01	At1g64680	expressed protein; protein id:	0	1.06	1.34	1.22	1.37	1.40	1.20	1.7	0.06	-1.85	0.66
A001093_01	At1g79270	expressed protein; protein id:	0	1.62	1.88	1.91	1.54	1.31	2.45	1.0	0.18	-1.65	0.77
A001098_01	At1g35780	expressed protein; protein id:	0	-0.22	-0.96	-1.22	-1.49	-1.64	-1.76	1.2	0.06	2.65	0.50
A001102_01	At1g07210	hypothetical protein; protein ic	0	-1.18	-1.27	-1.22	-1.26	-1.57	-1.69	1.1	0.10	2.73	-0.74
A001105_01	At1g14330	hypothetical protein; protein ic	0	1.15	1.30	0.87	0.71	0.72	1.05	0.9	0.37	-1.10	1.64
A001107_01	At1g75820	CLAVATA1 receptor kinase (	0	0.85	1.05	0.81	0.72	0.26	0.47	0.7	1.20	-0.47	1.86
A001115_01	At1g32100	pinoresinol-lariciresinol reduc	0	0.05	0.03	0.95	2.43	2.09	1.76	0.7	1.20	-1.50	-1.47
A001121_01	At1g58180	carbonic anhydrase, putative;	0	2.51	2.32	2.06	2.00	1.97	2.10	1.6	0.06	-1.47	1.38
A001129_01	At1g78370	glutathione transferase, putat	0	-2.57	-2.13	-1.12	-0.91	-0.87	-0.26	0.8	0.48	0.56	-2.59
A001135_01	At1g35720	Ca2+-dependent membrane-l	0	-1.09	-1.15	-1.41	-2.57	-2.75	-2.80	1.2	0.06	2.68	0.46
A001136_01	At1g21410	F-box protein family; protein i	0	1.45	1.40	1.30	1.11	1.38	1.68	0.9	0.37	-1.72	0.90
A001137_01	At1g30690	expressed protein; protein id:	0	-1.14	-1.10	-1.28	NA	-1.56	-1.22	0.8	0.66	NA	NA

A001142_01	At1g44820	aminoacylase, putative; prote	0	0.55	0.78	0.91	1.04	1.06	1.22	0.7	1.20	-2.06	-0.29
A001144_01	At1g72260	thionin; protein id: At1g72260	0	-3.06	-5.19	-3.39	-5.69	-5.59	-4.74	1.6	0.06	2.66	-0.63
A001146_01	At1g48920	nucleolin, putative; protein id:	0	-0.65	-0.65	-0.54	-1.05	-1.03	-1.08	0.7	2.21	2.65	-0.07
A001154_01	At1g21780	unknown protein; protein id: A	0	0.78	0.88	0.88	1.00	1.33	1.23	1.0	0.26	-2.01	-0.08
A001155_01	At1g69490	expressed protein; protein id:	0	2.92	2.16	1.66	1.27	0.78	2.02	0.7	1.61	-0.51	1.74
A001165_01	At1g13280	allene oxide cyclase, putative	0	-0.55	-0.97	-1.24	-1.65	-1.75	-1.99	1.2	0.06	2.74	0.37
A001166_01	At1g45130	glycosyl hydrolase family 35 (	0	-1.31	-1.42	-1.42	-1.31	-1.87	-1.60	0.8	0.96	2.64	-0.84
A001180_01	At1g70290	trehalose-6-phosphate synthe	0	2.00	2.13	2.24	2.35	2.11	2.38	1.6	0.06	-1.88	0.72
A001188_01	At1g22710	putative sucrose transport prc	0	0.51	1.04	1.23	1.68	1.40	1.90	1.1	0.10	-1.97	-0.65
A001197_01	At1g27320	putative sensory transduction	0	1.68	1.87	1.74	1.60	1.67	2.09	1.1	0.10	-1.78	0.88
A001212_01	At1g56220	expressed protein; protein id:	0	1.73	1.29	1.24	1.03	0.82	0.85	0.6	4.47	-0.68	1.94
A001216_01	At1g74020	strictosidine synthase family;	0	0.83	1.56	2.01	2.27	2.73	3.33	1.9	0.06	-1.97	-0.82
A001219_01	At1g32160	expressed protein; protein id:	0	0.14	0.50	0.33	0.98	1.00	1.18	1.0	0.20	-1.88	-1.13
A001227_01	At1g78280	unknown protein; protein id: A	0	0.46	1.05	0.96	0.88	0.85	1.21	1.0	0.20	-1.75	0.21
A001231_01	At1g63940	monodehydroascorbate reduc	0	-0.96	-1.04	-1.13	-1.20	-1.21	-1.20	0.7	1.61	2.72	-0.86
A001234_01	At1g64230	E2, ubiquitin-conjugating enzy	0	0.88	0.67	0.77	1.24	1.18	1.13	1.3	0.06	-1.92	-0.08
A001240_01	At1g28260	hypothetical protein; protein ic	0	1.37	1.11	1.19	1.19	1.27	1.36	0.8	0.81	-1.74	0.85
A001241_01	At1g64880	expressed protein; protein id:	0	-0.86	-1.05	-1.13	-1.89	-1.99	-2.10	0.6	4.47	2.71	0.33
A001242_01	At1g52400	glycosyl hydrolase family 1, b	0	-3.67	-5.20	-3.80	-6.27	-6.42	-5.55	1.3	0.06	2.74	-0.50
A001247_01	At1g50420	scarecrow-like 3; protein id: A	0	1.36	1.19	0.82	0.32	0.08	0.68	0.8	0.96	0.09	2.08
A001248_01	At1g63120	membrane protein, putative; p	0	0.39	0.55	0.82	1.55	0.92	0.62	0.7	2.21	-1.39	-0.37
A001250_01	At1g03090	putative 3-methylcrotonyl-CoA	0	1.87	1.38	1.10	1.08	1.15	0.72	1.2	0.06	-0.64	1.77
A001254_01	At1g18270	unknown protein; protein id: A	0	1.86	1.63	1.29	1.16	1.28	1.33	1.0	0.16	-1.17	1.63
A001261_01	At1g36370	putative hydroxymethyltransfe	0	0.02	0.38	1.27	0.93	0.53	2.29	1.2	0.06	-1.33	-1.10
A001263_01	At1g20380	prolyl endopeptidase, putative	0	0.66	-0.10	0.15	0.74	1.04	1.28	0.7	1.61	-1.20	-1.05
A001284_01	At1g79040	photosystem II polypeptide, p	0	1.05	1.39	1.47	1.67	1.35	1.56	1.0	0.16	-1.94	0.39
A001285_01	At1g50020	tubulin alpha-6 chain, putative	0	1.01	1.32	1.26	1.35	1.37	1.87	1.5	0.06	-1.99	0.17
A001289_01	At1g35680	50S ribosomal protein L21 ch	0	-0.64	-0.88	-0.98	-0.78	-0.80	-1.09	0.6	4.47	2.64	-0.87
A001291_01	At1g44760	hypothetical protein; protein ic	0	-0.35	-1.14	-0.75	-0.78	-0.96	-1.14	0.8	0.96	2.52	-0.38
A001299_01	At1g07600	metallothionein-like protein; p	0	1.07	1.73	2.38	2.34	2.51	3.45	1.5	0.06	-1.99	-0.59
A001303_01	At1g15670	expressed protein; protein id:	0	2.25	2.34	2.13	1.86	2.20	2.78	1.4	0.06	-1.75	0.84
A001308_01	At1g01725	expressed protein; protein id:	0	0.57	0.75	0.87	1.17	1.14	0.97	0.8	0.96	-1.97	-0.30
A001339_01	At1g02860	expressed protein; protein id:	0	1.00	1.29	1.60	1.78	1.99	2.08	1.2	0.06	-2.07	-0.35
A001340_01	At1g33140	ribosomal protein L9, putative	0	-0.81	-1.04	-1.10	-1.60	-1.89	-1.90	0.7	0.96	2.75	0.22
A001355_01	At1g30795	expressed protein; protein id:	0	-1.58	-3.45	-2.45	-4.04	-3.72	-3.42	1.8	0.06	2.66	-0.36
A001369_01	At1g10522	expressed protein; protein id:	0	-2.40	-2.54	-2.05	-2.19	-2.34	-2.66	1.3	0.06	2.51	-1.37
A001374_01	At1g25330	helix-loop-helix protein homol	0	-1.46	-3.59	-3.04	-5.00	-4.75	-4.22	1.9	0.06	2.67	0.01
A001375_01	At1g02790	polygalacturonase, putative; p	0	0.34	0.49	0.82	0.64	0.74	1.32	0.7	1.61	-1.74	-0.55
A001378_01	At1g32460	expressed protein; protein id:	0	1.10	1.14	0.91	0.94	1.00	1.18	1.2	0.06	-1.68	1.08
A001380_01	At1g31850	unknown protein; protein id: A	0	-0.50	-0.61	-0.98	-1.44	-1.66	-1.79	1.3	0.06	2.64	0.65
A001387_01	At1g01300	chloroplast nucleoid DNA bin	0	-0.82	-1.17	-1.08	-1.71	-2.26	-2.30	0.7	0.96	2.72	0.34
A001390_01	At1g45976	S-ribonuclease binding protei	0	0.85	0.66	0.70	0.90	1.07	1.01	0.8	0.48	-1.81	0.09
A001392_01	At1g19660	expressed protein; protein id:	0	1.30	1.38	1.53	2.05	2.06	2.18	1.2	0.06	-2.04	-0.19
A001418_01	At1g75220	integral membrane protein, p	0	1.30	0.91	0.50	0.53	0.40	0.22	0.7	0.96	0.08	2.15

A001420_01	At1g27370	putative squamosa-promoter	0	-0.67	-1.29	-1.61	-1.32	-1.54	-1.48	0.9	0.31	2.64	-0.41
A001429_01	At1g70710	glycosyl hydrolase family 9 (e	0	-0.49	-1.27	-1.57	-2.46	-2.87	-2.29	1.1	0.10	2.62	0.58
A001435_01	At1g62510	similar to 14KD proline-rich pi	0	0.87	0.86	1.16	1.05	1.57	2.15	0.9	0.37	-1.68	-0.64
A001441_01	At1g50250	chloroplast FtsH protease; pro	0	0.70	1.23	1.22	1.34	1.48	1.54	1.1	0.14	-2.03	-0.11
A001451_01	At1g21400	branched-chain alpha keto-ac	0	2.37	2.16	1.88	1.80	1.88	2.11	1.0	0.16	-1.50	1.29
A001455_01	At1g25260	expressed protein; protein id:	0	-0.20	-0.70	-0.69	-1.33	-1.39	-1.52	0.8	0.81	2.63	0.72
A001471_01	At1g66430	fructokinase, putative; protein	0	-1.69	-2.38	-2.27	-2.41	-3.00	NA	0.9	0.37	NA	NA
A001472_01	At1g26920	expressed protein; protein id:	0	0.94	1.40	1.49	1.66	1.74	2.21	1.9	0.06	-2.05	-0.25
A001477_01	At1g14380	expressed protein; protein id:	0	-0.12	0.68	0.87	1.40	1.28	0.74	0.8	0.48	-1.47	-0.94
A001481_01	At1g19740	unknown protein; protein id: A	0	0.18	0.65	0.78	1.09	1.12	0.95	1.3	0.06	-1.87	-0.83
A001495_01	At1g52890	NAM-like protein; protein id: A	0	1.57	1.38	1.20	1.39	1.32	1.47	0.9	0.31	-1.65	1.12
A001518_01	At1g09750	expressed protein; protein id:	0	-1.07	-2.02	-1.92	-3.12	-2.76	NA	0.8	0.55	NA	NA
A001558_01	At1g65290	acyl carrier protein, putative; p	0	-0.70	-0.67	-0.71	-1.02	-1.03	-1.01	0.7	1.61	2.75	-0.35
A001566_01	At1g29900	carbamoylphosphate synthetase	0	-0.51	-0.84	-0.84	-1.16	-1.35	-1.35	0.7	1.20	2.75	0.23
A001567_01	At1g07040	expressed protein; protein id:	0	1.90	1.90	1.83	1.94	1.75	1.74	0.7	0.96	-1.67	1.09
A001578_01	At1g51060	histone H2A, putative; protein	0	-1.10	-1.07	-0.94	-1.10	-1.49	-1.46	1.0	0.18	2.70	-0.71
A001602_01	At1g04590	expressed protein; protein id:	0	-0.67	-0.90	-0.91	-0.96	-0.96	-1.42	1.0	0.26	2.73	-0.39
A001610_01	At1g25440	CONSTANS B-box zinc finge	0	0.97	1.12	1.31	1.32	0.93	0.90	0.7	1.20	-1.54	0.97
A001612_01	At1g25530	lysine and histidine specific tr	0	-0.86	-0.72	0.08	0.70	1.33	1.70	1.6	0.06	-0.99	-2.12
A001619_01	At1g24160	unknown protein; protein id: A	0	1.08	0.69	0.45	0.16	0.01	-0.14	0.8	0.66	0.83	2.16
A001631_01	At1g35910	trehalose-phosphatase, putat	0	2.01	1.45	0.53	-0.16	-0.06	-0.31	0.7	2.21	0.99	2.01
A001645_01	At1g33410	unknown protein; protein id: A	0	-0.53	-0.74	-0.71	-0.89	-1.34	-1.06	1.2	0.06	2.68	0.06
A001651_01	At1g33265	expressed protein; protein id:	0	-0.71	-0.94	-0.95	-0.82	-0.72	-0.95	0.7	1.61	2.45	-1.29
A001671_01	At1g27980	sphingosine-1-phosphate lyas	0	1.68	1.89	1.67	2.10	2.23	2.65	1.1	0.10	-2.01	0.17
A001679_01	At1g55330	arabinogalactan-protein (AGF	0	-0.26	-1.03	-1.35	-2.16	-2.46	-2.41	1.2	0.06	2.61	0.77
A001697_01	At1g77450	GRAB1-like protein; protein ic	0	0.90	1.21	1.54	1.71	2.04	2.52	0.9	0.27	-2.00	-0.62
A001720_01	At1g72290	drought induced protein, puta	0	-2.47	-4.75	-1.95	-5.97	-4.48	-4.37	1.2	0.06	2.58	-0.54
A001745_01	At1g78210	hypothetical protein; protein ic	0	-1.03	-1.73	-1.49	-1.55	-1.88	-2.36	0.8	0.55	2.72	-0.31
A001758_01	At1g53000	CMP-KDO synthetase, putati	0	-0.51	-1.06	-1.13	-0.69	-1.16	-1.36	1.0	0.18	2.54	-0.41
A001760_01	At1g52930	expressed protein; protein id:	0	-1.10	-1.26	-1.31	-1.65	-1.82	NA	0.7	1.61	NA	NA
A001770_01	At1g08810	myb family transcription facto	0	0.09	0.61	0.58	1.40	1.06	1.29	0.7	1.61	-1.79	-1.12
A001773_01	At1g70530	putative protein kinase; protei	0	1.14	1.62	1.71	1.70	1.77	1.63	1.2	0.06	-1.94	0.38
A001779_01	At1g73940	expressed protein; protein id:	0	-0.95	-1.24	-1.20	-1.43	-1.50	-1.62	1.0	0.16	2.81	-0.45
A001789_01	At1g77320	hypothetical protein; protein ic	0	-0.36	0.48	0.73	1.02	1.12	1.47	0.8	0.66	-1.61	-1.47
A001790_01	At1g64970	gamma-tocopherol methyltrar	0	-0.13	0.59	0.91	1.08	1.12	1.61	0.8	0.96	-1.72	-1.27
A001801_01	At1g68190	CONSTANS B-box zinc finge	0	0.82	0.70	0.76	1.19	1.43	1.09	1.3	0.06	-1.85	-0.32
A001827_01	At1g17050	geranyl diphosphate synthase	0	1.03	1.31	1.29	1.06	1.12	1.22	1.0	0.20	-1.62	0.98
A001843_01	At1g03475	putative coproporphyrinogen	0	-0.91	-1.12	-0.99	-0.84	-0.84	-1.27	0.9	0.31	2.43	-1.31
A001861_01	At1g78510	geranyl diphosphate synthase	0	1.01	1.33	1.40	1.25	1.13	1.51	0.8	0.48	-1.79	0.66
A001874_01	At1g72680	putative cinnamyl-alcohol deh	0	1.30	1.04	0.77	0.51	1.10	1.25	0.9	0.31	-1.21	1.02
A001904_01	At1g51160	unknown protein; protein id: A	0	-0.60	-0.78	-0.89	-0.85	-0.72	-1.02	0.7	2.21	2.63	-0.81
A001917_01	At1g71697	choline kinase, putative; prote	0	0.72	1.09	1.18	1.28	1.48	2.01	1.0	0.16	-1.97	-0.49
A001936_01	At1g20850	cysteine proteinase XCP2; pr	0	-0.36	-0.93	-1.18	-0.54	-1.13	-1.62	0.7	1.61	2.42	0.00
A001937_01	At1g22160	expressed protein; protein id:	0	-0.26	-1.19	-0.54	-0.51	-0.41	-0.73	0.6	4.47	1.73	-1.23

A001967_01	At1g49430	acyl CoA synthetase, putative	0	-0.59	-0.50	-0.79	-1.21	-1.76	-1.31	1.2	0.06	2.49	0.56
A001970_01	At1g06570	4-hydroxyphenylpyruvate diox	0	2.18	1.97	1.93	2.01	2.00	2.32	1.1	0.10	-1.77	0.87
A001980_01	At1g68570	peptide transporter, putative;	0	0.87	1.53	1.15	0.89	0.88	0.73	0.8	0.66	-0.94	1.38
A001988_01	At1g27950	lipid transfer protein, putative;	0	-0.60	-0.39	-0.68	-1.09	-1.70	-1.59	1.2	0.06	2.41	0.68
A001990_01	At1g15110	putative phosphatidylserine s	0	0.85	0.71	0.30	NA	0.58	1.14	0.6	4.47	NA	NA
A001996_01	At1g07790	histone H2B; protein id: At1g0	0	-1.13	-1.15	-0.84	-0.90	-1.11	-0.96	1.1	0.10	2.29	-1.62
A001997_01	At1g01120	fatty acid elongase 3-ketoacyl	0	0.18	0.68	0.79	0.65	0.08	0.56	0.7	2.21	-0.65	0.53
A002008_01	At1g47960	expressed protein; protein id:	0	1.90	2.39	2.49	2.52	2.00	2.36	1.2	0.06	-1.78	0.79
A002009_01	At1g28140	expressed protein; protein id:	0	0.38	0.75	0.81	1.09	1.05	0.99	1.5	0.06	-1.99	-0.49
A002013_01	At1g10470	putative response regulator 3	0	0.22	0.81	1.07	1.20	1.40	1.31	1.3	0.06	-1.88	-0.79
A002014_01	At1g15950	cinnamoyl CoA reductase, pu	0	0.34	0.57	0.68	1.03	0.89	0.73	0.6	4.47	-1.87	-0.45
A002031_01	At1g30820	CTP synthase-like protein; pr	0	0.70	0.72	1.12	1.19	1.28	1.10	0.6	4.47	-1.99	-0.23
A002035_01	At1g49970	ATP-dependent Clp protease	0	0.11	0.35	0.41	0.76	1.15	1.06	1.0	0.16	-1.75	-1.33
A002038_01	At1g74740	calcium-dependent protein kin	0	0.58	0.70	0.77	1.22	0.99	0.96	0.6	4.47	-1.94	-0.20
A002045_01	At1g74670	GAST1-like protein; protein ic	0	1.67	2.52	2.24	1.62	0.72	0.26	1.0	0.16	-0.14	1.72
A002050_01	At1g07200	unknown protein; protein id: A	0	0.82	0.79	0.76	1.39	1.38	1.55	1.1	0.10	-1.91	-0.52
A002054_01	At1g22750	expressed protein; protein id:	0	0.37	0.80	0.76	1.06	1.31	1.37	0.9	0.37	-1.97	-0.79
A002062_01	At1g69830	putative alpha-amylase; prote	0	-0.99	-1.00	-1.17	-0.82	-1.26	-2.44	0.7	2.21	2.36	-0.19
A002065_01	At1g72030	unknown protein; protein id: A	0	0.71	0.37	0.64	1.19	1.20	1.21	1.0	0.16	-1.78	-0.71
A002067_01	At1g56560	alkaline/neutral invertase, put	0	0.34	0.65	0.62	1.05	0.91	1.01	0.8	0.55	-2.00	-0.56
A002070_01	At1g02500	S-adenosylmethionine synthe	0	0.01	0.36	0.74	1.79	0.84	0.81	0.7	0.96	-1.29	-0.93
A002073_01	At1g47128	cysteine proteinase RD21A; p	0	1.47	1.64	1.60	1.61	1.74	2.50	1.0	0.18	-1.93	0.25
A002079_01	At1g77670	putative aminotransferase; pr	0	-1.15	-1.19	-1.16	-0.90	-0.95	-0.68	0.8	0.55	1.84	-2.04
A002080_01	At1g41880	ribosomal protein; protein id: ,	0	-1.08	-1.15	-1.22	-1.89	-2.18	-2.13	1.3	0.06	2.74	0.14
A002081_01	At1g65960	glutamate decarboxylase 2 (C	0	-0.28	-0.29	-0.62	-1.33	-1.70	-1.45	1.7	0.06	2.43	0.96
A002086_01	At1g69620	60S ribosomal protein L34, pu	0	-0.69	-0.82	-0.95	-1.33	-1.76	-1.90	1.0	0.18	2.70	0.38
A002087_01	At1g70890	major latex protein (MLP)-rela	0	-0.37	-0.78	-1.12	0.01	-0.65	-1.55	0.7	2.21	1.76	-0.41
A002094_01	At1g74560	putative SET protein, phospai	0	-1.13	-1.17	-0.98	-1.64	-1.88	-2.02	2.5	0.06	2.68	-0.05
A002102_01	At1g02640	glycosyl hydrolase family 3; p	0	0.81	1.22	1.08	1.61	1.08	0.41	0.6	2.21	-1.02	0.74
A002103_01	At1g30360	expressed protein; protein id:	0	0.73	1.07	0.90	0.81	0.50	0.46	0.7	0.96	-0.82	1.58
A002118_01	At1g78080	AP2 domain protein RAP2.4;	0	1.31	1.57	1.70	1.62	1.35	1.61	1.2	0.06	-1.78	0.82
A002120_01	At1g48300	hypothetical protein; protein ic	0	1.00	0.98	1.49	1.97	2.26	2.01	0.9	0.37	-1.92	-0.72
A002126_01	At1g02850	glycosyl hydrolase family 1; p	0	1.23	1.58	1.23	0.80	0.72	1.03	1.3	0.06	-0.88	1.74
A002142_01	At1g56450	20S proteasome beta subunit	0	-1.00	-0.94	-0.98	-0.81	-0.72	-0.55	0.7	2.21	1.76	-2.08
A002146_01	At1g24360	putative 3-oxoacyl (acyl-carrie	0	-0.38	-0.60	-0.77	-1.03	-1.39	-1.45	0.8	0.66	2.67	0.57
A002149_01	At1g04580	putative aldehyde oxidase; pr	0	1.71	2.29	2.90	3.34	3.26	4.16	0.7	1.61	-2.04	-0.40
A002160_01	At1g72830	CCAAT-binding factor B subu	0	0.61	0.99	1.05	1.11	1.21	1.08	1.0	0.20	-1.99	0.03
A002183_01	At1g74430	myb family transcription facto	0	-1.25	-1.78	-1.75	-1.73	-1.93	-1.76	0.7	1.61	2.71	-0.78
A002184_01	At1g18880	peptide transporter, putative;	0	0.29	0.92	1.92	2.42	2.53	2.67	0.7	1.61	-1.83	-1.19
A002210_01	At1g43670	fructose 1,6-bisphosphatase,	0	1.62	1.51	1.23	0.89	0.68	0.50	0.7	1.20	-0.28	2.10
A002220_01	At1g62370	hypothetical protein; protein ic	0	1.38	1.54	1.59	1.54	1.66	2.31	1.1	0.06	-1.94	0.22
A002224_01	At1g78460	hypothetical protein; protein ic	0	0.25	0.43	0.85	1.15	1.29	1.48	0.8	0.66	-1.86	-1.18
A002235_01	At1g62990	homeodomain-containing pro	0	-0.01	0.37	1.02	2.06	2.07	1.32	1.0	0.16	-1.53	-1.31
A002244_01	At1g53560	expressed protein; protein id:	0	1.68	2.00	1.86	2.02	1.93	2.26	1.7	0.06	-1.93	0.61

A002258_01	At1g14890	expressed protein; protein id:	0	1.19	1.26	0.81	0.54	0.32	0.03	1.3	0.06	0.27	2.15
A002267_01	At1g55910	expressed protein; protein id:	0	-0.34	0.53	0.69	1.02	1.05	1.17	0.7	1.61	-1.56	-1.29
A002346_01	At1g72330	putative alanine aminotransfe	0	-0.02	0.16	0.53	0.52	0.59	1.14	0.7	1.20	-1.57	-1.34
A002349_01	At1g22050	expressed protein; protein id:	0	0.12	0.39	0.83	1.42	1.59	1.82	1.3	0.06	-1.75	-1.41
A002363_01	At1g09420	putative glucose-6-phosphate	0	0.29	0.40	0.64	1.00	1.12	0.87	0.9	0.37	-1.79	-1.04
A002365_01	At1g21570	glycine-rich RNA-binding prot	0	0.90	1.11	1.10	1.05	0.62	1.10	0.9	0.37	-1.46	1.09
A002376_01	At1g17780	unknown protein; protein id: A	0	0.45	0.89	1.15	1.61	1.64	1.72	0.6	4.47	-1.96	-0.81
A002408_01	At1g16960	hypothetical protein; protein ic	0	0.48	0.82	1.10	1.78	2.02	1.95	1.5	0.06	-1.90	-1.06
A002409_01	At1g16950	hypothetical protein; protein ic	0	3.16	1.86	0.73	-1.13	-0.57	0.26	0.7	1.61	0.99	1.94
A002413_01	At1g16870	unknown protein; protein id: A	0	-0.96	-1.05	-1.16	-0.73	-0.82	-1.26	0.8	0.55	2.37	-1.29
A002418_01	At1g16705	expressed protein; protein id:	0	0.96	0.00	-0.75	-1.92	-2.09	-1.86	1.2	0.06	2.12	1.36
A002433_01	At1g53130	unknown protein; protein id: A	0	-2.98	-5.15	-3.36	-5.82	-4.87	-4.49	1.0	0.14	2.60	-0.74
A002437_01	At1g75390	bZIP transcription factor ATB;	0	-1.30	-1.13	-0.67	-0.99	-0.83	-0.11	0.9	0.31	1.03	-2.12
A002441_01	At1g27100	unknown protein; protein id: A	0	1.50	1.52	1.52	1.37	1.25	1.71	0.7	2.21	-1.68	1.04
A002473_01	At1g69110	pseudogene, putative ribosom	0	1.76	1.23	1.45	1.35	1.16	1.26	0.7	1.20	-1.31	1.40
A002484_01	At1g76300	small nuclear ribonucleoprote	0	-0.80	-0.96	-0.90	-1.00	-1.00	-1.06	0.8	0.81	2.71	-0.89
A002488_01	At1g76110	unknown protein; protein id: A	0	1.39	1.13	1.16	1.20	0.86	0.89	0.7	1.20	-1.17	1.56
A002491_01	At1g11380	expressed protein; protein id:	0	1.26	1.24	0.92	0.39	0.29	0.30	1.2	0.06	0.16	2.21
A002514_01	At1g19300	glycosyltransferase family; pr	0	-0.69	0.25	0.50	1.84	1.24	0.63	0.7	1.61	-1.11	-1.41
A002539_01	At1g32170	xyloglucan endotransglycosyl.	0	1.77	2.21	1.85	1.31	0.80	0.57	2.3	0.06	-0.30	1.92
A002580_01	At1g22480	uclacyanin II, putative; proteir	0	-0.30	0.50	1.26	2.81	2.75	1.86	1.2	0.06	-1.51	-1.47
A002609_01	At1g19220	auxin response factor, putativ	0	0.24	0.38	0.35	0.96	0.78	1.23	0.7	1.20	-1.76	-1.10
A002634_01	At1g73670	putative MAP kinase; protein	0	-0.09	0.40	0.49	0.66	0.79	1.08	0.7	1.61	-1.70	-1.35
A002643_01	At1g12010	putative amino-cyclopropane-	0	3.77	3.34	2.42	0.33	-0.08	0.51	1.0	0.26	0.60	2.20
A002647_01	At1g12330	hypothetical protein; protein ic	0	-0.65	-1.14	-1.31	-1.62	-2.01	-2.04	1.6	0.06	2.76	0.30
A002651_01	At1g70410	carbonic anhydrase, putative;	0	1.06	1.24	0.83	0.30	-0.09	-0.12	1.2	0.06	0.63	2.10
A002672_01	At1g20670	hypothetical protein; protein ic	0	0.31	0.49	0.48	0.83	0.93	1.07	0.8	0.81	-1.91	-0.90
A002674_01	At1g67900	unknown protein; protein id: A	0	-0.04	0.31	0.70	1.00	1.19	0.74	0.7	1.61	-1.57	-1.25
A002676_01	At1g61810	glycosyl hydrolase family 1; p	0	2.29	3.06	3.18	2.85	2.57	2.54	1.2	0.06	-1.64	0.95
A002677_01	At1g61890	expressed protein; protein id:	0	0.74	0.77	0.14	-0.61	-1.01	-0.92	1.4	0.06	1.61	1.82
A002695_01	At1g56340	calreticulin (crt1); protein id: A	0	-1.54	-1.34	-1.57	-2.15	-2.04	-2.40	1.1	0.14	2.74	-0.29
A002702_01	At1g15100	putative RING-H2 zinc finger	0	0.77	0.95	1.38	1.34	1.43	1.75	0.9	0.41	-2.01	-0.30
A002732_01	At1g73680	feebly-like protein; protein id:	0	1.02	1.16	1.27	1.34	1.17	1.29	0.8	0.66	-1.87	0.61
A002736_01	At1g29760	hypothetical protein; protein ic	0	1.09	0.93	0.78	0.92	1.23	1.13	0.7	0.96	-1.73	0.58
A002737_01	At1g28580	lipase, putative; protein id: At	0	1.07	1.38	1.29	1.13	1.22	1.52	0.9	0.37	-1.85	0.70
A002741_01	At1g72610	germin-like protein; protein id	0	-0.14	-0.60	-1.51	-2.39	-2.64	-2.14	0.8	0.66	2.44	0.98
A002762_01	At1g52880	NAM-like protein; protein id: A	0	1.44	2.25	3.00	3.17	3.27	3.55	2.1	0.06	-2.03	-0.39
A002774_01	At1g61790	hypothetical protein; protein ic	0	-0.75	-0.80	-0.74	-0.79	-0.87	-1.25	1.2	0.06	2.66	-0.63
A002779_01	At1g69740	putative aminolevulinate dehy	0	-0.43	-0.39	-0.65	-0.72	-0.91	-1.04	0.6	2.21	2.68	0.34
A002782_01	At1g67950	RRM-containing protein; prote	0	-1.02	-1.29	-1.59	-1.62	-1.26	NA	0.7	1.61	NA	NA
A002787_01	At1g52300	60S ribosomal protein L37, pu	0	-0.62	-1.08	-1.06	-1.59	-1.90	-1.97	1.0	0.18	2.74	0.37
A002788_01	At1g17550	protein phosphatase 2C, puta	0	0.40	0.69	0.97	1.09	1.20	1.50	1.2	0.06	-1.98	-0.78
A002793_01	At1g54070	unknown protein; protein id: A	0	0.28	0.65	1.00	0.98	1.19	1.54	0.8	0.81	-1.91	-0.90
A002797_01	At1g54710	expressed protein; protein id:	0	1.12	1.19	1.00	0.80	0.88	1.38	0.8	0.48	-1.54	1.05

A002798_01	At1g53570	MAP3K alpha protein kinase,	0	1.27	1.77	1.77	1.75	1.79	1.98	1.2	0.06	-1.93	0.44
A002800_01	At1g76150	hypothetical protein; protein ic	0	0.96	0.93	0.95	0.90	0.94	1.25	0.6	4.47	-1.85	0.62
A002818_01	At1g21920	phosphatidylinositol-4-phosph	0	0.78	1.14	2.11	2.56	2.38	2.88	1.9	0.06	-1.94	-0.90
A002834_01	At1g10500	unknown protein; protein id: A	0	0.89	1.27	1.37	1.67	1.67	1.99	1.8	0.06	-2.06	-0.28
A002838_01	At1g08980	expressed protein; protein id:	0	1.09	0.97	0.79	0.72	1.11	-0.16	0.6	4.47	-0.15	1.33
A002842_01	At1g16340	putative 3-deoxy-D-manno-2-	0	-0.54	-1.14	-1.21	-1.10	-1.19	-1.79	1.4	0.06	2.66	-0.14
A002854_01	At1g80310	putative sulfate transporter; p	0	1.15	1.75	2.15	2.65	2.83	2.68	1.9	0.06	-2.03	-0.51
A002855_01	At1g32700	expressed protein; protein id:	0	1.70	1.63	1.64	2.02	2.10	2.11	1.1	0.10	-1.97	0.34
A002871_01	At1g34300	hypothetical protein; protein ic	0	0.91	0.87	1.03	1.25	1.38	0.97	0.8	0.96	-1.85	0.17
A002898_01	At1g34630	hypothetical protein; protein ic	0	0.48	0.76	0.84	1.11	1.24	1.29	1.0	0.26	-2.03	-0.62
A002917_01	At1g68620	expressed protein; protein id:	0	3.00	2.92	2.31	1.81	1.79	2.12	1.0	0.16	-1.00	1.81
A002922_01	At1g80830	metal ion transporter; protein	0	0.36	1.08	1.28	1.63	1.65	2.04	1.2	0.06	-1.95	-0.87
A002923_01	At1g74940	expressed protein; protein id:	0	0.29	0.37	0.71	1.31	0.84	0.78	0.9	0.27	-1.62	-0.85
A002950_01	At1g52590	expressed protein; protein id:	0	0.69	1.35	1.38	1.79	1.88	1.80	1.3	0.06	-2.02	-0.42
A002997_01	At1g56140	similar to receptor-like protein	0	0.17	0.36	0.39	0.90	1.02	0.89	0.8	0.66	-1.81	-1.20
A002999_01	At1g56580	expressed protein; protein id:	0	-1.70	-1.88	-1.49	-2.28	-2.38	-2.10	0.8	0.48	2.71	-0.75
A003004_01	At1g77930	expressed protein; protein id:	0	0.73	1.09	1.13	1.35	1.56	1.69	0.8	0.66	-2.06	-0.37
A003016_01	At1g55000	expressed protein; protein id:	0	0.74	0.70	0.74	1.20	1.42	1.09	0.9	0.27	-1.86	-0.42
A003018_01	At1g70810	expressed protein; protein id:	0	0.82	1.59	2.01	2.54	3.02	3.46	0.9	0.41	-1.96	-0.92
A003084_01	At1g05340	expressed protein; protein id:	0	2.81	2.56	2.21	2.07	2.34	2.83	1.0	0.16	-1.58	1.08
A003092_01	At1g17710	hypothetical protein; protein ic	0	-0.22	0.18	0.47	0.38	0.37	1.21	0.8	0.81	-1.23	-1.45
A003101_01	At1g06550	3-hydroxyisobutyryl-coenzyme	0	-1.67	-1.81	-1.40	-0.30	-0.77	-1.45	0.7	2.21	1.29	-2.07
A003114_01	At1g19450	integral membrane protein, p	0	1.16	1.56	1.25	1.21	0.93	1.31	0.9	0.31	-1.44	1.26
A003121_01	At1g55110	zinc finger protein, putative; p	0	1.01	0.93	0.81	0.52	0.82	0.97	0.8	0.66	-1.34	1.25
A003134_01	At1g26440	fatty acid elongase 3-ketoacy	0	0.75	0.62	0.65	0.98	1.12	1.01	0.9	0.27	-1.84	-0.20
A003138_01	At1g78570	dTDP-glucose 4,6-dehydratas	0	-1.24	-1.21	-1.29	-1.89	-2.31	-2.07	1.1	0.10	2.70	0.02
A003141_01	At1g21065	expressed protein; protein id:	0	0.53	1.17	1.30	1.82	1.89	1.92	1.4	0.06	-1.99	-0.73
A003154_01	At1g61870	expressed protein; protein id:	0	-1.17	-1.36	-1.35	-1.85	-2.31	-2.35	2.0	0.06	2.76	0.03
A003181_01	At1g72090	expressed protein; protein id:	0	-0.47	-0.63	-0.80	-1.32	-1.07	-1.33	0.7	2.21	2.69	0.34
A003186_01	At1g67070	phosphomannose isomerase	0	2.18	1.90	1.30	0.19	1.40	1.47	1.0	0.16	-0.49	1.59
A003242_01	At1g80300	adenine nucleotide translocas	0	-0.29	0.10	0.49	0.82	1.01	1.53	1.1	0.14	-1.45	-1.73
A003250_01	At1g07650	leucine-rich repeat transmem	0	0.51	0.14	-0.24	-0.72	-1.07	-0.87	1.2	0.06	2.00	1.60
A003287_01	At1g56505	hypothetical protein; protein ic	0	0.59	1.12	1.14	1.12	1.00	1.03	0.8	0.55	-1.77	0.39
A003294_01	At1g19570	dehydroascorbate reductase,	0	-0.67	-0.69	-0.72	-1.20	-1.46	-1.24	0.9	0.37	2.54	0.26
A003329_01	At1g63090	unknown protein; protein id: A	0	0.16	0.39	0.50	0.79	0.85	1.14	0.9	0.27	-1.87	-1.09
A003337_01	At1g52760	putative lipase; protein id: At1	0	0.79	0.62	0.80	1.95	1.55	0.66	0.8	0.48	-1.34	-0.34
A003351_01	At1g77770	unknown protein; protein id: A	0	0.75	0.73	0.63	0.62	0.45	1.13	0.7	1.20	-1.47	0.70
A003359_01	At1g30720	FAD-linked oxidoreductase fa	0	-0.77	-1.00	-1.02	-1.91	-1.45	NA	0.7	2.21	NA	NA
A003360_01	At1g70600	60S ribosomal protein L27A; j	0	-0.54	-0.81	-0.80	-1.54	-1.82	-1.81	0.9	0.27	2.63	0.59
A003389_01	At1g68560	glycosyl hydrolase family 31 (	0	-0.47	-0.57	-0.93	-1.94	-2.46	-2.39	0.8	0.66	2.50	0.90
A003404_01	At1g28230	purine permease; protein id: A	0	0.75	0.98	0.91	0.89	1.29	0.45	0.8	0.96	-1.27	0.65
A003409_01	At1g21560	hypothetical protein; protein ic	0	-0.72	-0.81	-0.86	-0.69	-0.95	-1.19	0.9	0.41	2.65	-0.70
A003418_01	At1g56570	hypothetical protein; protein ic	0	-0.16	0.19	0.41	0.98	1.09	0.84	0.8	0.96	-1.51	-1.64
A003431_01	At1g06460	heat shock protein, putative; p	0	1.03	1.55	1.74	2.02	2.09	1.44	0.9	0.41	-1.84	0.05

A003434_01	At1g15350	expressed protein; protein id:	0	0.73	1.03	1.33	1.57	1.77	1.70	1.6	0.06	-2.04	-0.54
A003475_01	At1g80920	J8-like protein; protein id: At1	0	2.03	1.59	1.72	2.04	1.70	2.17	1.0	0.16	-1.75	0.72
A003480_01	At1g56660	hypothetical protein; protein ic	0	0.81	1.44	1.36	1.32	0.72	0.95	0.6	4.47	-1.25	1.04
A003486_01	At1g76710	unknown protein; protein id: A	0	-0.27	-0.88	-0.99	-0.85	-1.14	-1.32	1.2	0.06	2.65	0.13
A003497_01	At1g22140	expressed protein; protein id:	0	0.25	0.64	0.78	1.15	0.99	1.21	1.5	0.06	-1.94	-0.82
A003503_01	At1g22070	bZIP transcription factor, TGA	0	0.14	0.60	0.69	1.12	1.19	1.05	1.1	0.14	-1.86	-1.05
A003510_01	At1g10140	expressed protein; protein id:	0	2.09	2.02	1.77	1.42	1.31	1.44	1.0	0.20	-1.07	1.77
A003518_01	At1g79380	expressed protein; protein id:	0	1.16	1.34	1.14	1.21	1.27	1.36	0.9	0.27	-1.84	0.83
A003523_01	At1g07220	hypothetical protein; protein ic	0	-1.04	-1.14	-1.19	-1.52	-1.45	-1.34	1.2	0.06	2.72	-0.66
A003528_01	At1g76520	expressed protein; protein id:	0	0.34	0.69	0.82	1.08	1.21	1.24	1.0	0.16	-1.99	-0.82
A003530_01	At1g64950	cytochrome p450, putative; pr	0	0.45	0.84	0.92	0.93	1.23	1.49	1.0	0.26	-1.98	-0.54
A003533_01	At1g78140	expressed protein; protein id:	0	0.37	0.74	0.61	0.91	1.06	1.02	1.1	0.10	-2.02	-0.50
A003536_01	At1g35490	bZIP family transcription factc	0	0.52	0.78	0.98	1.02	0.83	1.44	0.7	1.61	-1.88	-0.22
A003537_01	At1g63800	E2, ubiquitin-conjugating enzy	0	1.43	1.57	1.75	2.20	2.23	2.16	1.9	0.06	-2.02	-0.07
A003538_01	At1g03610	expressed protein; protein id:	0	1.57	1.55	1.47	1.43	1.48	1.45	1.3	0.06	-1.66	1.13
A003540_01	At1g14420	pectate lyase, putative; protei	0	0.53	0.80	1.30	1.24	1.25	1.81	0.7	0.96	-1.92	-0.59
A003544_01	At1g16720	unknown protein; protein id: A	0	1.31	1.24	1.21	0.93	1.24	0.87	0.9	0.26	-1.26	1.42
A003547_01	At1g71790	actin capping protein beta-2, j	0	-0.22	-0.80	-0.71	-1.12	-1.23	-1.46	0.9	0.27	2.68	0.50
A003556_01	At1g34000	expressed protein; protein id:	0	0.86	1.12	1.06	1.31	1.23	1.13	0.9	0.27	-1.92	0.41
A003567_01	At1g64660	methionine/cystathionine garr	0	1.47	0.71	0.17	-0.66	-0.68	-0.35	1.1	0.10	1.38	1.87
A003576_01	At1g04770	hypothetical protein; protein ic	0	-0.48	0.11	1.06	1.18	1.04	2.39	1.0	0.20	-1.38	-1.65
A003588_01	At1g06960	small nuclear ribonucleoprote	0	-0.42	-0.72	-0.88	-0.88	-0.79	-1.16	0.8	0.48	2.73	-0.16
A003604_01	At1g70610	ABC transporter family protei	0	0.81	1.06	0.74	0.60	0.74	1.01	0.9	0.27	-1.50	1.11
A003606_01	At1g70590	expressed protein; protein id:	0	0.80	0.78	0.87	1.02	1.27	1.22	1.0	0.16	-2.01	-0.09
A003614_01	At1g33050	unknown protein; protein id: A	0	1.40	1.36	1.35	1.44	1.39	1.60	0.8	0.96	-1.85	0.75
A003617_01	At1g32930	Avr9 elicitor response protein	0	-0.46	-0.95	-0.99	-0.80	-1.06	-1.42	0.9	0.41	2.67	-0.14
A003636_01	At1g05840	expressed protein; protein id:	0	1.14	1.09	1.09	1.12	1.62	0.84	0.7	1.61	-1.52	0.62
A003637_01	At1g16920	GTP binding protein, putative	0	-0.89	-1.52	-1.59	-1.94	-2.27	-2.64	1.2	0.06	2.78	0.12
A003647_01	At1g72970	expressed protein; protein id:	0	-1.79	-2.75	-2.91	-3.78	-3.88	-3.69	1.1	0.10	2.79	-0.12
A003653_01	At1g08130	ligase I, putative; protein id: A	0	-1.41	-1.45	-1.16	-1.26	-1.23	-1.45	0.9	0.27	2.42	-1.48
A003660_01	At1g07770	ribosomal protein S15; proteir	0	-0.64	-1.06	-1.00	-1.32	-1.68	-1.88	1.4	0.06	2.77	0.19
A003673_01	At1g16780	vacuolar-type H+translocating	0	-0.72	-0.89	-1.00	-1.09	-1.16	-1.24	0.8	0.66	2.81	-0.42
A003675_01	At1g70520	putative protein kinase; protei	0	1.27	1.61	1.49	1.40	1.06	0.90	0.8	0.55	-1.17	1.44
A003679_01	At1g70480	expressed protein; protein id:	0	-0.06	-0.34	-0.37	-0.66	-1.01	-0.69	0.8	0.96	2.46	0.80
A003690_01	At1g59990	DEAD/DEAH box RNA helica	0	-1.47	-1.46	-1.44	-1.40	-1.44	NA	0.7	1.20	NA	NA
A003691_01	At1g10900	phosphatidylinositol-4-phosph	0	-0.31	0.12	0.58	1.23	1.34	1.51	1.3	0.06	-1.53	-1.74
A003694_01	At1g17880	transcription factor, putative; j	0	-0.82	-1.15	-1.10	-1.53	-1.56	-1.68	1.1	0.10	2.81	-0.12
A003698_01	At1g30520	hypothetical protein; protein ic	0	-0.06	-0.68	-0.99	-1.31	-1.28	-1.47	1.1	0.10	2.57	0.66
A003703_01	At1g48320	hypothetical protein; protein ic	0	1.05	1.56	1.52	2.24	2.24	1.95	1.1	0.10	-2.00	-0.27
A003720_01	At1g72430	expressed protein; protein id:	0	0.44	1.18	1.36	1.40	1.56	1.55	1.2	0.06	-1.90	-0.40
A003736_01	At1g68230	unknown protein; protein id: A	0	1.38	1.50	0.87	0.52	-0.46	-0.18	1.2	0.06	0.78	2.08
A003737_01	At1g68170	MtN21-like protein; protein id:	0	-0.58	-0.37	0.04	0.45	0.84	1.16	1.0	0.16	-1.04	-2.09
A003743_01	At1g51490	glycosyl hydrolase family 1; p	0	-0.21	0.00	0.43	0.50	0.53	1.06	0.8	0.81	-1.41	-1.62
A003750_01	At1g47270	F-box containing tubby family	0	-0.10	0.02	0.40	0.61	0.86	1.18	0.9	0.27	-1.49	-1.68

A003804_01	At1g15960	metal ion transporter, putative	0	0.21	0.99	1.35	2.19	1.82	0.85	1.0	0.18	-1.41	-0.64
A003817_01	At1g62280	hypothetical protein; protein ic	0	-1.09	-1.77	-1.66	-1.70	-1.49	-0.84	0.8	0.81	2.06	-1.35
A003844_01	At1g52040	myosinase-binding protein h	0	-3.29	-4.06	-3.38	-5.41	-5.44	-4.95	0.9	0.41	2.76	-0.40
A003851_01	xxxx	b/t tRNA-Arg;protein id: At1g	0	0.95	1.48	1.14	0.84	0.31	1.31	0.9	0.26	-0.92	1.30
A003860_01	At1g70350	hypothetical protein; protein ic	0	-0.81	-1.00	-0.79	-1.10	-1.13	-1.23	0.8	0.81	2.76	-0.62
A003863_01	At1g53230	flower development protein c	0	-1.05	-0.77	-1.00	-1.43	-1.11	-1.63	0.9	0.27	2.63	-0.33
A003869_01	At1g09180	putative GTP-binding protein,	0	0.54	0.79	0.95	0.97	1.19	1.58	0.9	0.31	-1.97	-0.48
A003889_01	At1g78680	gamma glutamyl hydrolase, p	0	0.95	1.23	0.88	0.45	0.16	-0.04	1.1	0.10	0.35	2.01
A003915_01	At1g31170	expressed protein; protein id:	0	0.51	0.88	1.01	1.38	1.32	1.24	1.0	0.18	-2.00	-0.49
A003921_01	At1g61570	expressed protein; protein id:	0	-0.88	-0.99	-0.84	-1.18	-1.30	-1.21	0.9	0.26	2.75	-0.56
A003925_01	At1g54130	RSH3 (RelA/SpoT homolog);	0	0.84	0.98	0.89	1.09	0.91	1.40	0.9	0.27	-1.93	0.31
A003933_01	xxxx	b/t hypothetical protein; protei	0	0.56	0.93	1.44	1.46	1.44	2.07	0.8	0.66	-1.95	-0.68
A003952_01	At1g16350	putative inosine-5-monophos	0	-0.91	-1.23	-1.33	-1.13	-1.10	NA	0.6	2.21	NA	NA
A003959_01	At1g13970	hypothetical protein; protein ic	0	0.33	0.60	1.00	1.01	1.17	1.63	1.0	0.16	-1.89	-0.90
A003960_01	At1g14130	dioxygenase-like protein; prot	0	1.72	1.43	1.76	1.90	2.56	3.01	1.0	0.16	-1.88	-0.31
A003969_01	At1g15270	expressed protein; protein id:	0	-0.14	0.24	0.41	1.02	0.74	1.15	0.7	0.96	-1.58	-1.53
A003974_01	At1g21790	expressed protein; protein id:	0	0.71	0.65	0.77	1.10	1.09	0.97	0.7	0.96	-1.97	-0.12
A003979_01	At1g47640	expressed protein; protein id:	0	-0.26	-0.42	-0.58	-0.66	-0.93	-1.06	0.7	2.21	2.66	0.51
A003982_01	At1g47410	hypothetical protein; protein ic	0	-0.43	-0.38	0.00	1.23	1.17	0.33	0.7	1.20	-0.89	-1.82
A003989_01	At1g11210	expressed protein; protein id:	0	1.93	2.04	2.33	2.53	2.37	1.96	1.1	0.10	-1.83	0.60
A003997_01	At1g80170	polygalacturonase, putative; p	0	-0.69	-0.38	-0.04	1.28	1.38	0.86	1.3	0.06	-1.06	-2.02
A004038_01	At1g35190	hyoscyamine 6-dioxygenase l	0	0.07	0.25	0.45	0.89	0.98	1.30	0.7	1.61	-1.65	-1.45
A004048_01	At1g18470	expressed protein; protein id:	0	1.41	1.55	1.53	1.27	0.87	1.13	0.7	0.96	-1.17	1.61
A004107_01	At1g26560	glycosyl hydrolase family 1; p	0	0.76	1.35	1.12	0.72	0.39	0.34	1.0	0.16	-0.30	1.60
A004151_01	At1g33110	unknown protein; protein id: A	0	1.08	1.04	1.01	1.10	1.37	1.45	0.7	1.20	-1.93	0.27
A004165_01	At1g01240	expressed protein; protein id:	0	1.48	1.72	1.86	2.32	2.24	2.35	1.6	0.06	-2.05	0.02
A004173_01	At1g29800	unknown protein; protein id: A	0	1.08	0.94	0.96	1.01	0.95	1.27	1.0	0.16	-1.78	0.71
A004242_01	At1g34030	ribosomal protein S18, putativ	0	-0.70	-0.79	-0.78	-1.20	-1.14	-1.61	0.7	1.20	2.70	0.07
A004243_01	At1g26800	expressed protein; protein id:	0	1.94	1.75	1.80	2.01	1.85	1.74	1.1	0.14	-1.71	0.93
A004244_01	At1g71240	hypothetical protein; protein ic	0	0.88	1.29	1.33	1.35	1.47	1.73	1.1	0.14	-2.04	0.03
A004272_01	At1g73630	putative calmodulin; protein ic	0	0.35	0.94	1.22	1.49	1.58	2.01	1.2	0.06	-1.94	-0.91
A004276_01	At1g03660	unknown; protein id: At1g036	0	2.84	2.83	3.06	2.71	2.45	2.46	0.9	0.27	-1.55	1.26
A004284_01	At1g63290	putative D-ribulose-5-phosph	0	-1.09	-1.66	-1.92	-2.54	-2.96	-2.73	1.3	0.06	2.76	0.16
A004285_01	At1g63270	ABC transporter family protei	0	0.36	0.93	1.52	1.69	2.21	2.95	2.1	0.06	-1.80	-1.18
A004305_01	At1g13670	unknown protein; protein id: A	0	0.47	0.74	1.17	1.23	1.47	1.83	1.0	0.16	-1.95	-0.87
A004314_01	At1g35970	hypothetical protein; protein ic	0	0.71	1.99	3.58	4.23	4.90	5.09	1.1	0.10	-1.88	-1.16
A004320_01	At1g32480	NAD+ dependent isocitrate de	0	-2.58	-2.85	-1.90	-3.67	-3.98	-3.11	1.4	0.06	2.68	-0.61
A004398_01	At1g69870	putative peptide transporter; p	0	0.69	0.94	0.71	0.60	0.71	1.10	1.0	0.18	-1.63	0.76
A004404_01	At1g66670	ATP-dependent Clp protease	0	-0.70	-0.16	0.66	1.30	1.63	1.64	2.6	0.06	-1.34	-1.95
A004413_01	At1g19000	myb family transcription facto	0	0.81	0.90	0.96	1.03	0.93	0.87	0.7	2.21	-1.74	0.76
A004424_01	At1g06380	hypothetical protein; protein ic	0	-0.50	-0.56	-0.46	-0.82	-1.21	-0.86	0.6	2.21	2.59	0.15
A004431_01	At1g08630	expressed protein; protein id:	0	1.76	0.86	0.14	0.10	-0.01	-0.31	1.3	0.06	0.98	1.80
A004437_01	At1g80440	expressed protein; protein id:	0	2.13	2.23	2.49	2.65	2.58	2.48	1.1	0.14	-1.93	0.53
A004442_01	At1g52080	expressed protein; protein id:	0	0.11	0.83	1.13	1.83	1.81	2.44	0.7	1.20	-1.79	-1.28

A004454_01	At1g57720	elongation factor 1B-gamma,	0	-0.81	-1.02	-0.96	-1.47	-1.47	-1.33	0.8	0.96	2.77	-0.24
A004458_01	At1g52870	expressed protein; protein id:	0	1.19	1.93	2.16	2.56	2.48	2.30	1.8	0.06	-2.00	-0.15
A004469_01	At1g08230	hypothetical protein; protein ic	0	-0.30	-0.18	-0.15	-1.20	-0.54	0.21	0.8	0.81	1.04	-0.47
A004470_01	At1g19720	DYW7 protein; protein id: At1	0	0.41	0.58	0.54	0.95	0.98	1.25	0.6	2.21	-1.96	-0.77
A004484_01	At1g79670	WAK-like kinase (WLK); prote	0	0.12	0.41	0.46	0.97	1.04	0.93	0.8	0.81	-1.80	-1.21
A004491_01	At1g36980	expressed protein; protein id:	0	0.76	0.90	1.00	1.32	1.22	1.18	1.4	0.06	-2.02	-0.05
A004495_01	At1g68520	CONSTANS B-box zinc finge	0	1.71	2.15	1.95	1.85	1.40	1.21	1.3	0.06	-1.16	1.47
A004497_01	At1g26650	expressed protein; protein id:	0	-0.54	-0.52	-0.70	-0.79	-1.20	-1.22	0.8	0.55	2.67	0.26
A004511_01	At1g15740	expressed protein; protein id:	0	1.60	1.46	1.39	1.36	1.23	1.47	0.8	0.81	-1.56	1.23
A004526_01	At1g64790	hypothetical protein; protein ic	0	-0.63	-0.82	-0.84	-1.09	-1.42	-1.00	1.0	0.18	2.68	-0.15
A004545_01	At1g26670	V-SNARE protein AtVTI1b, pu	0	0.90	0.97	1.14	1.64	1.56	1.53	1.2	0.06	-2.02	-0.29
A004549_01	xxxx	b/t hypothetical protein; protei	0	-1.62	-1.19	-0.86	-0.74	-0.71	-0.74	1.2	0.06	1.23	-2.39
A004557_01	At1g09780	putative 2,3-bisphosphoglyce	0	-1.60	-1.42	-1.25	-1.15	-1.43	-1.19	0.9	0.41	2.16	-1.76
A004587_01	At1g78670	gamma glutamyl hydrolase, p	0	1.95	2.85	3.19	3.29	3.48	3.42	2.1	0.06	-2.02	0.06
A004588_01	At1g67920	expressed protein; protein id:	0	1.56	2.18	2.85	3.13	3.43	3.53	1.8	0.06	-2.06	-0.43
A004597_01	At1g23390	Kelch repeat containing F-bo	0	1.79	1.74	1.82	2.29	1.98	1.64	1.2	0.06	-1.73	0.72
A004603_01	At1g79600	expressed protein; protein id:	0	0.64	1.15	1.07	1.17	1.70	1.86	1.4	0.06	-1.98	-0.48
A004612_01	At1g67860	expressed protein; protein id:	0	2.98	3.91	3.80	3.81	3.62	4.25	1.6	0.06	-1.93	0.58
A004618_01	At1g11260	glucose transporter; protein ic	0	2.55	2.44	2.08	1.62	1.31	1.26	0.8	0.96	-0.66	1.98
A004622_01	At1g44970	peroxidase, putative; protein i	0	-3.15	-4.26	-4.32	-6.11	-4.39	-4.14	1.1	0.14	2.55	-0.69
A004634_01	At1g01720	NAC domain protein, putative	0	1.21	1.61	1.79	1.86	1.95	2.93	0.8	0.55	-1.96	-0.29
A004637_01	At1g34430	dihydrolipoamide S-acetyltran	0	-0.84	-1.14	-1.10	-1.24	-1.40	-1.50	0.8	0.81	2.80	-0.42
A004652_01	At1g67830	F12A21.4; protein id: At1g678	0	-0.47	-1.12	-1.16	-1.31	-1.51	-2.16	0.6	4.47	2.67	0.29
A004682_01	At1g09970	leucine-rich repeat transmem	0	1.32	1.42	0.97	0.63	0.15	0.69	1.2	0.06	-0.13	2.06
A004683_01	At1g14610	valyl-tRNA synthetase, putativ	0	-0.26	-0.32	-0.38	-0.69	-1.10	-0.61	0.6	4.47	2.32	0.60
A004684_01	At1g08830	copper/zinc superoxidase dis	0	-0.94	-1.68	-1.63	-2.60	-2.94	-2.47	2.0	0.06	2.72	0.19
A004689_01	At1g55260	expressed protein; protein id:	0	-0.45	-0.50	-0.88	-1.36	-2.27	-2.67	1.4	0.06	2.36	0.91
A004696_01	At1g26150	Pto kinase interactor, putative	0	-0.04	-0.17	-0.52	NA	-1.28	-1.14	1.0	0.20	NA	NA
A004705_01	At1g04440	putative casein kinase I; prote	0	0.94	1.16	1.05	0.83	0.94	1.13	0.7	1.20	-1.64	1.06
A004722_01	At1g62180	5'-adenylylphosphosulfate rec	0	-0.30	0.32	0.70	0.37	-0.09	1.01	0.7	1.61	-0.82	-0.72
A004735_01	At1g68580	unknown protein; protein id: A	0	1.21	1.35	1.23	1.14	1.22	1.36	1.1	0.10	-1.72	1.01
A004739_01	At1g14460	hypothetical protein; protein ic	0	-0.39	-0.50	-1.33	NA	-1.40	-0.93	0.7	1.61	NA	NA
A004744_01	At1g56330	GTP-binding protein (SAR1B),	0	-0.87	-0.93	-0.90	-0.92	-1.10	-1.08	1.0	0.16	2.69	-0.94
A004748_01	At1g44770	unknown protein; protein id: A	0	0.94	0.64	0.81	0.89	0.85	1.17	0.7	1.61	-1.76	0.34
A004769_01	At1g66200	glutamine synthetase, putativ	0	-0.03	0.50	0.86	0.98	0.95	1.60	1.0	0.20	-1.71	-1.22
A004774_01	At1g04970	expressed protein; protein id:	0	1.16	1.34	1.32	1.37	1.13	1.56	0.8	0.96	-1.84	0.72
A004815_01	At1g49740	expressed protein; protein id:	0	0.76	1.10	0.97	0.78	0.78	1.08	0.8	0.55	-1.64	0.94
A004820_01	At1g18080	G-protein beta family; protein	0	-0.66	-0.95	-1.00	-1.64	-1.76	-1.60	0.6	2.21	2.72	0.29
A004830_01	At1g71980	unknown protein; protein id: A	0	0.63	0.71	0.77	0.86	1.11	0.84	0.7	0.96	-1.92	0.09
A004839_01	At1g32210	defender against cell death pr	0	-0.78	-0.76	-0.75	-0.74	-0.96	-1.13	0.9	0.37	2.67	-0.76
A004843_01	At1g05805	bHLH protein; protein id: At1g	0	0.82	1.21	1.38	1.84	1.74	1.43	1.3	0.06	-1.94	-0.21
A004846_01	At1g07570	protein kinase APK1A; proteir	0	-0.11	-0.90	-1.15	-1.33	-1.35	-1.23	0.8	0.96	2.51	0.32
A004853_01	At1g18800	expressed protein; protein id:	0	-0.89	-0.79	-0.66	-1.05	-1.35	-1.21	1.3	0.06	2.58	-0.26
A004860_01	At1g01140	serine threonine kinase, putat	0	0.96	1.29	1.10	0.75	0.57	0.83	0.7	1.61	-0.98	1.70

A004867_01	At1g45150	hypothetical protein; protein ic	0	0.65	0.94	0.98	1.04	1.22	1.24	0.9	0.37	-2.05	-0.06
A004882_01	At1g17540	receptor-like serine threonine	0	-0.14	0.08	0.55	0.75	1.24	1.41	0.7	1.20	-1.54	-1.64
A004896_01	At1g09570	putative phytochrome A; prote	0	1.07	0.99	0.99	1.07	0.91	1.15	1.2	0.06	-1.72	0.97
A004910_01	At1g75330	ornithine carbamoyltransferas	0	-0.69	-0.80	-0.83	-0.84	-0.90	-1.27	0.6	4.47	2.72	-0.49
A004915_01	At1g60140	trehalose-6-phosphate synthase	0	1.59	1.66	1.92	1.84	1.76	2.01	1.0	0.18	-1.91	0.62
A004927_01	At3g49390	RNA-binding protein, putative	0	-1.06	-1.07	-1.09	-1.07	-1.07	-1.05	0.6	2.21	2.51	-1.37
A004931_01	At1g21000	expressed protein; protein id:	0	1.52	1.89	2.32	2.60	2.89	3.27	1.4	0.06	-2.06	-0.36
A004934_01	At1g49670	ARP protein, putative; protein	0	0.61	0.75	0.71	0.70	0.76	1.30	0.7	1.61	-1.81	-0.03
A004941_01	At3g51830	putative transmembrane prot	0	0.58	0.65	0.65	0.75	0.95	1.06	0.9	0.41	-2.01	-0.18
A004944_01	At1g09415	expressed protein; protein id:	0	0.57	0.81	0.56	0.91	1.03	0.51	0.8	0.66	-1.56	0.32
A005002_01	At5g26707	glutamyl-tRNA synthetase; pr	0	-0.76	-0.92	-0.97	-1.18	-1.22	-1.23	0.8	0.48	2.79	-0.36
A005005_01	At5g20290	putative protein; protein id: At	0	-0.71	-1.24	-1.28	-1.84	-1.91	-1.83	0.8	0.48	2.77	0.14
A005009_01	xxxx	b/t unknown protein; protein ic	0	1.52	1.25	1.57	1.43	1.52	1.30	0.8	0.55	-1.67	0.94
A005029_01	At2g46505	expressed protein; protein id:	0	-0.90	-0.99	-1.04	-0.97	-0.98	-0.95	0.7	2.21	2.53	-1.31
A005048_01	At1g04970	expressed protein; protein id:	0	0.91	0.99	0.99	1.33	1.34	1.43	1.0	0.16	-2.04	-0.03
A005069_01	At4g39660	alanine:glyoxylate aminotrans	0	0.08	-1.13	-1.25	-1.10	-1.16	-1.31	0.8	0.66	2.23	0.09
A005075_01	At1g23940	gamma-adaptin, putative; pro	0	-0.34	-1.72	-2.37	-3.00	-2.40	-2.64	0.9	0.37	2.57	0.36
A005086_01	At1g22930	unknown protein; protein id: A	0	1.59	2.02	1.96	1.71	1.14	2.64	0.9	0.26	-1.55	0.74
A005097_01	At3g51840	acyl-coA dehydrogenase; pro	0	1.12	1.04	1.19	1.41	1.46	1.67	1.1	0.10	-1.98	0.01
A005129_01	At5g24800	bZIP protein, G/HBF-1-relatec	0	0.73	0.74	0.84	1.14	1.17	1.05	0.7	0.96	-2.00	-0.06
A005155_01	At1g28660	expressed protein; protein id:	0	3.78	3.25	1.92	0.88	0.77	1.09	1.0	0.26	0.21	2.11
A005160_01	At4g21960	peroxidase, putative; protein i	0	-0.24	-0.28	-0.34	-0.30	-0.82	-1.37	1.0	0.16	2.11	0.66
A005164_01	At3g44310	nitrilase 1; protein id: At3g443	0	0.57	0.91	1.14	1.17	1.52	1.92	0.9	0.31	-1.96	-0.64
A005178_01	At3g53750	actin (ACT3); protein id: At3g:	0	-0.92	-0.85	-0.77	-0.90	-1.03	-0.83	0.8	0.55	2.49	-1.22
A005182_01	At2g28305	expressed protein; protein id:	0	1.45	1.34	1.37	1.60	1.41	1.81	0.7	1.20	-1.89	0.60
A005195_01	At3g55440	cytosolic triosephosphatisome	0	-1.26	-1.08	-0.94	-0.82	-0.88	-0.74	0.7	1.20	1.80	-2.13
A005204_01	At4g32210	putative protein; protein id: At	0	-1.27	-0.99	-0.82	-1.12	-1.05	-0.84	1.0	0.16	2.12	-1.60
A005208_01	At1g60590	polygalacturonase, putative; p	0	1.00	0.15	-0.89	-2.41	-2.02	-1.92	1.2	0.06	2.07	1.41
A005223_01	At5g26800	putative protein; protein id: At	0	-1.37	-1.60	-1.51	-1.68	-1.49	-1.85	0.9	0.41	2.67	-1.02
A005227_01	At5g25270	putative protein; protein id: At	0	0.80	0.84	0.85	0.95	1.00	1.35	0.8	0.66	-1.96	0.08
A005246_01	At1g02660	expressed protein; protein id:	0	2.17	2.21	1.46	0.89	0.63	1.14	1.6	0.06	-0.28	2.11
A005249_01	At1g20880	RRM-containing protein; prote	0	0.94	1.05	1.04	1.42	1.42	1.63	1.2	0.06	-2.05	-0.12
A005338_01	At5g19530	spermine synthase (ACL5); p	0	-0.32	-0.35	-0.13	0.32	-0.14	-1.16	0.7	1.61	1.15	-0.22
A005354_01	At3g41979	5SrRNA; protein id: At3g4197	0	-0.25	-1.11	-1.12	-1.27	-1.60	-1.49	0.8	0.81	2.57	0.19
A005356_01	At4g16840	expressed protein; protein id:	0	0.16	0.63	0.90	1.32	1.59	1.53	1.3	0.06	-1.84	-1.22
A005366_01	At5g20250	glycosyl hydrolase family 36; j	0	2.35	2.71	2.51	1.83	1.55	1.80	0.6	4.47	-1.06	1.69
A005377_01	At1g68945	expressed protein; protein id:	0	-0.27	0.33	1.07	1.84	1.56	2.28	1.1	0.10	-1.60	-1.56
A005384_01	At4g08685	expressed protein; protein id:	0	-1.25	-1.70	-1.92	-2.58	NA	NA	1.6	0.06	NA	NA
A005390_01	At5g37020	auxin response transcription f	0	-0.97	-1.40	-1.32	-1.74	-1.56	-1.48	0.9	0.26	2.68	-0.63
A005394_01	At5g62700	tubulin beta-2/beta-3 chain (s	0	-0.60	-0.99	-1.03	-1.15	-1.66	-2.01	1.2	0.06	2.69	0.29
A005407_01	At1g02475	unknown protein; protein id: A	0	0.61	0.88	0.98	0.93	0.80	1.01	0.7	1.61	-1.92	0.41
A005410_01	At5g26696	nectarin - like protein; protein	0	0.16	0.54	0.98	0.90	1.28	1.51	0.9	0.26	-1.83	-1.14
A005417_01	not annotated	Chr1 C/20403687-20403756	0	0.72	0.72	0.83	1.05	1.20	1.10	0.8	0.81	-1.99	-0.22
A005426_01	At5g38980	putative protein; protein id: At	0	0.65	1.12	1.06	1.06	1.15	0.63	0.6	4.47	-1.45	0.65

A005557_01	At3g51890	putative protein; protein id: At	0	1.55	1.77	1.83	1.91	2.05	2.13	2.2	0.06	-1.99	0.40
A005562_01	At1g23870	trehalose 6-phosphate synthase	0	1.54	1.43	1.47	1.76	1.78	2.02	1.5	0.06	-1.94	0.30
A005576_01	At1g75710	unknown protein; protein id: A	0	-0.82	-1.95	-1.88	-2.89	-3.21	-3.16	2.3	0.06	2.73	0.34
A005590_01	At4g16155	expressed protein; protein id:	0	-0.80	-1.11	-1.34	-1.41	-1.73	-2.23	1.2	0.06	2.74	0.09
A005592_01	At5g25610	dehydration-induced protein F	0	-0.08	0.72	0.86	0.84	0.71	0.74	0.7	2.21	-1.24	-0.37
A005615_01	At1g32540	zinc-finger protein, putative; p	0	-0.32	-0.42	-0.64	-0.89	-1.44	-1.36	1.3	0.06	2.54	0.75
A005620_01	At5g28020	cysteine synthase; protein id:	0	1.04	1.22	1.32	1.75	1.45	1.68	0.9	0.31	-2.01	0.07
A005629_01	At5g21170	AKIN beta1; protein id: At5g2	0	1.33	1.10	1.06	1.08	1.09	0.80	0.7	1.20	-1.26	1.43
A005648_01	At2g04160	subtilisin-like serine protease	0	0.82	1.75	1.92	2.65	2.63	1.85	1.0	0.16	-1.82	-0.40
A005661_01	At1g24020	Bet v I allergen family; protein	0	-2.80	-3.95	-2.81	-4.48	-4.37	-3.77	1.5	0.06	2.66	-0.78
A005680_01	At1g20430	expressed protein; protein id:	0	-1.17	-1.37	-1.31	-1.40	-1.48	-1.87	1.3	0.06	2.74	-0.74
A005687_01	At5g58570	expressed protein; protein id:	0	0.72	1.31	1.76	2.44	3.04	2.75	1.7	0.06	-1.92	-0.99
A005695_01	At1g65800	receptor kinase, putative; pro	0	1.12	2.41	2.56	3.07	3.13	2.78	0.7	1.61	-1.95	-0.30
A005702_01	At3g10690	putative DNA gyrase subunit	0	-0.42	-1.10	-1.05	-1.18	-0.98	NA	1.1	0.14	NA	NA
A005713_01	At5g19520	putative protein; protein id: At	0	-0.29	-0.85	-0.82	-0.91	-0.75	-0.96	1.3	0.06	2.53	-0.34
A005714_01	At5g25460	unknown protein	0	-0.46	-1.68	-2.07	-3.43	-3.33	-3.15	1.8	0.06	2.61	0.57
A005715_01	At1g27435	expressed protein; protein id:	0	-1.10	-1.13	-1.04	-1.11	-1.02	-1.33	0.8	0.55	2.57	-1.23
A005722_01	At1g60770	hypothetical protein; protein id	0	-0.83	-1.19	-1.10	-1.33	-1.44	-1.40	0.8	0.55	2.79	-0.47
A005723_01	At1g60660	cytochrome b5, putative; prot	0	-1.03	-1.26	-1.29	-1.58	-1.66	-1.78	0.9	0.31	2.82	-0.36
A005726_01	At3g62030	peptidylprolyl isomerase ROC	0	-1.08	-1.30	-1.39	-1.41	-1.61	-2.10	0.9	0.41	2.76	-0.38
A005727_01	At3g47340	glutamine-dependent asparag	0	3.28	2.61	1.29	-1.05	-0.95	-1.26	0.7	0.96	1.24	2.06
A005729_01	At2g25625	auxin-regulated protein; prote	0	2.94	3.03	3.07	3.37	3.55	4.84	1.1	0.10	-1.95	0.13
A005730_01	At2g22670	auxin-regulated protein (IAA8	0	-1.36	-1.69	-1.42	-1.39	-1.42	-1.74	0.7	1.61	2.54	-1.29
A005733_01	At2g46830	myb-related transcription fact	0	0.87	1.26	1.51	1.65	1.62	2.60	0.8	0.81	-1.94	-0.46
A005736_01	At1g11910	putative aspartic proteinase; p	0	0.34	0.50	0.61	0.61	0.56	1.02	0.6	2.21	-1.88	-0.40
A005740_01	At1g12730	expressed protein; protein id:	0	0.89	0.89	1.13	1.34	1.51	1.46	0.9	0.37	-2.04	-0.21
A005742_01	At3g08580	adenylate translocator; protei	0	-0.66	-0.78	-0.79	-0.87	-1.26	-0.94	0.8	0.81	2.68	-0.37
A005746_01	At3g49010	60S ribosomal protein L13, Bl	0	-1.01	-1.32	-1.23	-1.71	-1.91	-1.91	0.9	0.31	2.81	-0.15
A005751_01	At4g37520	peroxidase, putative; protein i	0	2.92	3.64	3.71	3.68	3.67	3.57	2.4	0.06	-1.85	0.68
A005754_01	At4g11290	peroxidase, putative; protein i	0	-1.37	-1.41	-1.30	-0.55	-0.77	-1.06	0.7	1.61	1.55	-2.20
A005771_01	At5g27850	putative 60S ribosomal protei	0	-0.84	-1.23	-1.27	-1.78	-1.91	-1.85	1.2	0.06	2.80	0.03
A005787_01	At5g25900	cytochrome P450 GA3; protei	0	0.27	0.14	0.49	0.85	1.11	1.08	1.0	0.16	-1.60	-1.35
A005792_01	xxxx	b/t ferrochelatase-l; protein id	0	0.34	0.46	0.57	0.73	1.05	0.76	0.6	4.47	-1.83	-0.77
A005834_01	At5g19860	unknown protein; protein id: A	0	0.71	0.78	0.73	1.03	1.04	0.78	0.8	0.66	-1.86	0.25
A005839_01	At5g27150	NHE1 Na ⁺ /H ⁺ exchanger; pro	0	0.54	0.82	0.91	1.08	1.06	1.65	1.0	0.16	-1.96	-0.52
A005864_01	At1g75500	nodulin-like protein; protein id	0	-0.92	-0.72	-0.74	-0.83	-0.90	-1.31	1.2	0.06	2.47	-0.61
A005906_01	At5g20150	ids4-like protein; protein id: A	0	-0.93	-1.10	-0.83	-1.91	-1.60	0.25	0.7	1.61	1.28	-0.88
A005916_01	xxxx	b/t putative protein; protein id:	0	0.17	-0.05	-0.38	-0.50	-0.94	-1.45	0.8	0.66	2.17	1.23
A005933_01	At1g50640	ethylene responsive element	0	0.76	0.76	0.91	0.99	1.15	1.06	0.7	0.96	-2.01	0.06
A005946_01	At1g76090	S-adenosyl-methionine-sterol	0	0.37	0.00	-0.53	-1.04	-1.21	-1.05	1.1	0.14	2.18	1.41
A005959_01	At5g03240	polyubiquitin (UBQ3); protein	0	0.97	0.92	1.24	1.43	1.44	1.55	0.8	0.55	-2.04	-0.15
A005969_01	At1g61520	light-harvesting chlorophyll a/l	0	0.83	1.14	1.10	1.43	1.43	0.95	1.2	0.06	-1.77	0.29
A005981_01	At1g20620	catalase 3; protein id: At1g20	0	1.44	1.65	1.76	1.66	1.80	1.88	1.1	0.06	-1.93	0.57
A005989_01	At1g29930	light-harvesting chlorophyll a/l	0	0.05	-0.07	-0.22	-0.27	-0.40	-1.04	0.6	4.47	2.06	0.97

A006015_01	xxxx	b/t RING finger - like protein;	0	0.57	0.42	0.69	1.15	1.08	0.90	0.9	0.37	-1.80	-0.62
A006021_01	not annotated	EST ethylene-responsive ele	0	2.12	2.29	2.39	1.62	1.58	1.86	0.6	4.47	-1.32	1.52
A006022_01	At4g20260	endomembrane-associated p	0	2.17	2.42	2.40	2.56	2.59	3.54	1.3	0.06	-1.97	0.27
A006030_01	At2g40880	putative cysteine proteinase ii	0	1.29	2.07	2.43	2.84	2.76	2.58	2.2	0.06	-2.00	-0.19
A006039_01	At2g03710	MADS-box protein (AGL3); pr	0	0.35	0.44	1.53	1.47	1.64	1.47	0.7	2.21	-1.73	-0.97
A006041_01	At2g43360	biotin synthase (Bio B); protei	0	-1.40	-1.76	-1.64	-1.63	-2.07	-2.31	1.5	0.06	2.74	-0.64
A006043_01	At2g31570	glutathione peroxidase, putati	0	0.30	0.71	0.67	0.71	0.74	1.28	0.6	4.47	-1.85	-0.46
A006046_01	At2g43510	putative trypsin inhibitor; prote	0	1.85	2.55	2.65	2.76	2.76	2.78	1.4	0.06	-1.95	0.36
A006048_01	At2g28800	chloroplast membrane proteir	0	0.80	0.86	0.94	1.11	0.93	0.79	0.7	1.61	-1.76	0.66
A006049_01	At2g10940	expressed protein; protein id:	0	-0.11	-1.04	-1.88	-3.36	-3.28	-2.52	1.4	0.06	2.42	0.78
A006050_01	At2g39000	unknown protein; protein id: A	0	1.07	1.15	1.21	1.58	1.56	1.49	1.3	0.06	-2.01	0.09
A006056_01	At2g37970	expressed protein; protein id:	0	1.25	1.64	1.60	1.42	1.37	2.18	0.9	0.31	-1.84	0.48
A006063_01	At2g38530	putative nonspecific lipid-tran:	0	0.39	-0.32	-0.69	-1.96	-2.74	-1.70	1.1	0.10	2.23	1.13
A006070_01	At2g26330	putative receptor-like protein l	0	-0.80	-1.38	-1.99	-2.46	-2.09	-2.26	0.8	0.55	2.70	0.13
A006089_01	At2g20920	unknown protein; protein id: A	0	0.87	1.19	1.33	1.78	2.07	2.05	2.4	0.06	-2.03	-0.59
A006090_01	At2g02850	putative basic blue protein (pl	0	-1.89	-3.97	-3.41	-5.99	-5.01	-5.31	1.0	0.16	2.70	-0.01
A006099_01	At2g35680	expressed protein; protein id:	0	1.63	1.45	1.27	1.04	0.71	0.95	0.6	4.47	-0.74	1.95
A006100_01	At2g33370	60S ribosomal protein L23; pr	0	-0.92	-1.65	-1.29	-2.14	-2.29	-2.36	1.1	0.10	2.80	0.03
A006102_01	At2g46450	cyclic nucleotide-regulated ior	0	-0.21	0.45	0.71	1.22	1.21	1.26	0.8	0.81	-1.66	-1.40
A006104_01	At2g05520	putative glycine-rich protein; p	0	1.96	2.56	2.08	1.67	1.92	0.27	0.8	0.48	-0.46	1.55
A006124_01	At2g05620	expressed protein; protein id:	0	0.74	1.07	0.97	1.08	1.14	1.19	1.3	0.06	-1.99	0.31
A006175_01	At2g35690	putative acyl-CoA oxidase; pr	0	0.63	0.72	0.69	0.93	1.16	1.07	0.8	0.55	-2.02	-0.24
A006181_01	At2g14900	similar to gibberellin-regulatec	0	0.36	-0.15	-0.53	-1.39	-1.90	-1.70	1.5	0.06	2.26	1.33
A006185_01	At2g20040	putative cAMP-dependent prc	0	0.21	0.47	0.69	0.90	0.67	1.13	0.9	0.27	-1.85	-0.80
A006197_01	At2g01610	unknown protein; protein id: A	0	-1.61	-1.41	-0.75	-0.14	0.06	0.57	1.0	0.20	-0.20	-2.53
A006202_01	At2g28080	putative glucosyltransferase; |	0	-0.84	-1.14	-1.13	-1.48	-1.87	-1.70	1.3	0.06	2.79	-0.05
A006211_01	At2g46370	putative auxin-responsive pro	0	0.19	0.47	0.61	0.77	0.72	1.04	0.7	1.61	-1.92	-0.86
A006226_01	At2g30200	putative malonyl-CoA:Acyl ca	0	-1.00	-1.15	-1.27	-1.50	-1.47	-1.94	1.1	0.14	2.79	-0.30
A006227_01	At2g30230	hypothetical protein; protein ic	0	1.74	1.52	0.87	0.65	0.72	1.26	0.8	0.66	-0.63	1.79
A006233_01	At2g19940	putative N-acetyl-gamma-glut	0	-0.74	-1.09	-1.20	-1.46	-1.35	-1.71	0.9	0.37	2.80	-0.14
A006235_01	At2g42790	putative citrate synthase; prot	0	1.69	1.70	1.84	1.99	2.24	2.49	1.0	0.18	-2.01	0.17
A006239_01	At2g01720	putative ribophorin I; protein ic	0	-0.38	-0.47	-0.57	-0.98	-0.65	-1.43	1.1	0.10	2.42	0.40
A006243_01	At2g43090	3-isopropylmalate dehydratas	0	-0.87	-0.79	-0.83	-1.08	-1.06	-1.09	0.7	2.21	2.67	-0.61
A006246_01	At2g35050	putative protein kinase; protei	0	0.78	1.12	1.03	0.78	0.00	1.05	0.7	1.20	-0.68	1.26
A006251_01	At2g30695	expressed protein; protein id:	0	-0.82	-1.01	-1.01	-0.83	-1.03	-1.44	1.3	0.06	2.57	-0.79
A006253_01	At2g24180	cytochrome p450 family; prot	0	1.02	1.23	1.29	1.22	1.17	1.50	0.8	0.96	-1.92	0.56
A006264_01	At2g37460	nodulin-like protein; protein id	0	0.94	1.42	1.76	2.58	2.52	3.10	1.4	0.06	-1.98	-0.80
A006269_01	At2g20180	unknown protein; protein id: A	0	0.77	1.00	1.20	1.46	1.49	1.06	0.8	0.48	-1.89	-0.06
A006273_01	At2g01190	expressed protein; protein id:	0	0.64	1.10	1.29	1.39	1.25	1.47	1.0	0.26	-2.01	-0.14
A006277_01	At2g35800	putative mitochondrial carrier	0	1.06	0.90	0.72	0.62	0.69	0.72	0.8	0.48	-1.08	1.70
A006278_01	At2g30020	protein phosphatase 2C (PP2	0	0.84	1.21	1.02	0.75	0.58	0.90	1.2	0.06	-1.15	1.45
A006284_01	At2g45290	putative transketolase precur:	0	-1.65	-1.85	-1.45	-0.31	-0.74	-1.71	0.6	2.21	1.38	-1.90
A006288_01	At2g03420	hypothetical protein; protein ic	0	-0.42	-0.53	-0.63	-0.54	-0.73	-1.29	0.7	2.21	2.50	0.05
A006291_01	At2g33990	putative SF16 protein {Helian	0	1.05	1.54	1.37	1.53	0.97	0.38	1.1	0.10	-0.77	1.27

A006313_01	At2g19000	expressed protein; protein id:	0	0.22	0.71	1.00	1.02	1.19	1.36	0.7	2.21	-1.93	-0.87
A006329_01	At2g40850	hypothetical protein; protein ic	0	0.22	0.66	1.02	1.01	1.37	1.77	0.9	0.31	-1.84	-1.04
A006387_01	At2g38640	unknown protein; protein id: A	0	0.74	1.74	2.05	2.21	2.10	2.42	1.5	0.06	-1.98	-0.40
A006389_01	At2g32800	putative protein kinase; protei	0	0.95	1.25	1.40	2.03	1.90	1.66	0.8	0.81	-1.98	-0.28
A006400_01	At2g32650	expressed protein; protein id:	0	-0.47	-0.65	-0.61	-0.49	-0.68	-1.37	0.8	0.66	2.39	-0.16
A006419_01	At2g38730	putative peptidyl-prolyl cis-tra	0	-0.80	-0.84	-0.91	-1.04	-1.49	-1.18	0.7	2.21	2.70	-0.25
A006421_01	At2g38230	similar to SOR1 from the fung	0	1.65	1.76	1.57	1.30	1.25	1.12	0.9	0.27	-1.13	1.66
A006429_01	At2g01400	expressed protein; protein id:	0	-0.12	0.08	0.05	0.83	1.12	0.65	0.8	0.55	-1.32	-1.66
A006567_01	At2g46600	putative caltractin; protein id:	0	0.63	0.98	1.16	1.54	1.96	2.25	0.9	0.31	-1.94	-0.89
A006568_01	At2g27180	expressed protein; protein id:	0	0.27	0.62	0.93	0.93	0.99	1.41	1.1	0.10	-1.91	-0.82
A006579_01	At2g22080	En/Spm-like transposon prote	0	-0.23	-0.51	-0.42	-0.74	-1.01	-1.01	1.0	0.16	2.68	0.53
A006595_01	At2g13350	hypothetical protein; protein ic	0	0.06	0.33	0.64	0.92	0.74	1.32	1.1	0.10	-1.72	-1.20
A006596_01	At2g29350	putative tropinone reductase;	0	1.46	1.84	1.73	2.23	2.65	3.64	0.9	0.41	-1.97	-0.41
A006603_01	At2g32440	ent-kaurenoic acid oxidase (c	0	1.66	1.46	1.11	0.91	0.87	0.98	1.0	0.16	-0.78	1.94
A006622_01	At2g36710	pectinesterase family; protein	0	0.48	1.79	2.83	3.47	3.43	3.36	2.4	0.06	-1.87	-0.96
A006637_01	At2g31360	delta 9 desaturase; protein id	0	-0.96	-0.97	-1.03	-1.36	-1.43	-0.85	0.6	2.21	2.44	-0.78
A006681_01	At2g28810	Dof zinc finger protein; proteir	0	0.61	0.89	0.91	1.20	1.11	1.30	0.8	0.81	-2.05	-0.25
A006710_01	At2g38800	calmodulin-binding protein; pr	0	1.00	1.07	1.20	1.25	1.48	1.61	0.8	0.81	-2.03	0.01
A006716_01	At2g17230	expressed protein; protein id:	0	-0.83	-0.85	-1.39	-2.27	-2.64	-2.34	1.2	0.06	2.62	0.60
A006726_01	At2g20340	putative tyrosine decarboxyla:	0	-0.76	-1.34	-1.25	-1.67	-1.11	-1.62	0.9	0.41	2.64	-0.49
A006733_01	At2g22010	unknown protein; protein id: A	0	0.36	0.57	0.76	0.89	0.82	1.30	0.7	2.21	-1.91	-0.72
A006736_01	At2g46690	putative auxin-regulated prote	0	0.71	1.86	3.11	3.18	3.22	3.22	0.8	0.66	-1.89	-0.74
A006738_01	At2g46710	putative rac GTPase activatin	0	0.73	0.76	0.86	1.12	0.86	0.65	0.8	0.66	-1.60	0.61
A006754_01	At2g27290	expressed protein; protein id:	0	0.40	0.84	0.85	1.35	1.33	1.03	0.9	0.27	-1.89	-0.56
A006755_01	At2g02220	leucine-rich repeat transmem	0	0.92	1.11	0.60	0.47	0.23	0.52	1.0	0.20	-0.28	2.05
A006761_01	At2g31880	leucine-rich repeat transmem	0	1.58	2.10	2.07	2.31	2.46	2.59	1.0	0.16	-2.03	0.18
A006771_01	At2g35900	hypothetical protein; protein ic	0	1.53	1.53	1.62	1.73	1.82	2.13	1.2	0.06	-1.98	0.33
A006802_01	At2g37090	unknown protein; protein id: A	0	-0.29	0.55	1.11	2.98	1.91	0.88	0.6	4.47	-1.17	-1.07
A006811_01	At2g13360	alanine-glyoxylate aminotrans	0	1.50	1.63	1.60	1.60	1.81	1.82	1.4	0.06	-1.91	0.63
A006817_01	At2g14910	unknown protein; protein id: A	0	1.02	1.04	1.14	1.22	1.32	1.31	1.1	0.14	-1.98	0.38
A006824_01	At2g33810	putative squamosa-promoter	0	0.41	-0.85	-1.01	-2.23	-2.88	-2.19	1.6	0.06	2.37	1.05
A006826_01	At2g19570	putative cytidine deaminase; j	0	1.74	1.52	1.35	1.35	1.56	2.53	0.8	0.48	-1.67	0.44
A006847_01	At2g29980	omega-3 fatty acid desaturas	0	-1.23	-1.82	-1.87	-2.66	-2.95	-2.50	1.2	0.06	2.76	0.00
A006885_01	At2g02710	putative receptor-like protein l	0	2.42	2.34	2.48	2.42	2.60	2.73	1.0	0.16	-1.87	0.72
A006893_01	At2g38170	high affinity Ca2+ antiporter; p	0	0.87	0.98	1.13	0.99	1.32	1.75	1.2	0.06	-1.94	-0.06
A006919_01	At2g46950	cytochrome p450, putative; pi	0	2.87	3.10	2.81	2.50	2.74	3.43	1.4	0.06	-1.74	0.91
A006928_01	At2g34350	nodulin-like protein; protein id	0	-0.61	-0.85	-0.70	-1.16	-1.69	-1.09	1.1	0.10	2.44	0.20
A006935_01	At2g26170	thromboxane-A synthase(cytc	0	1.27	1.28	0.68	-0.29	-0.44	0.10	0.9	0.37	0.87	2.05
A006944_01	At2g44490	glycosyl hydrolase family 1; pi	0	1.38	2.28	2.52	2.81	2.78	2.89	1.4	0.06	-2.03	-0.13
A006949_01	At2g45710	putative ribosomal protein S2	0	-0.59	-0.67	-0.62	-0.83	-1.10	-0.99	0.8	0.81	2.74	-0.15
A006954_01	At2g39340	unknown protein; protein id: A	0	0.65	1.00	1.02	1.18	1.27	1.28	1.2	0.06	-2.05	-0.10
A006959_01	At2g22870	putative nucleotide-binding pr	0	-0.86	-0.69	-0.70	-0.78	-1.31	-1.32	0.6	4.47	2.44	-0.14
A006972_01	At2g32230	hypothetical protein; protein ic	0	-1.08	-1.19	-1.26	-1.12	-0.72	-1.36	0.8	0.81	2.30	-1.44
A006975_01	At2g46680	homeodomain transcription fa	0	2.01	2.04	2.59	2.42	2.57	3.15	1.0	0.18	-2.01	0.17

A006988_01	At2g47940	DegP2 protease; protein id: A	0	-0.43	-0.65	-0.78	-0.77	-0.93	-1.13	0.7	1.61	2.76	-0.03
A007000_01	At2g02370	expressed protein; protein id:	0	0.53	0.63	0.91	1.09	1.26	1.34	0.9	0.37	-2.01	-0.69
A007023_01	At2g14880	expressed protein; protein id:	0	-0.61	-0.67	-0.68	-0.87	-0.92	-1.19	0.7	2.21	2.74	-0.15
A007051_01	At2g27040	Argonaute (AGO1)-like protei	0	-1.49	-2.22	-2.11	-2.23	-2.32	-2.69	0.8	0.81	2.77	-0.60
A007052_01	At2g27090	hypothetical protein; protein ic	0	0.40	0.77	0.93	1.20	0.87	1.23	0.9	0.27	-1.95	-0.47
A007054_01	At2g37050	putative receptor-like protein l	0	0.19	0.01	-0.36	-0.78	-1.05	-0.87	1.0	0.16	2.16	1.40
A007061_01	At2g37120	expressed protein; protein id:	0	-0.85	-1.28	-1.33	-1.44	-1.90	-2.20	1.4	0.06	2.76	0.00
A007064_01	At2g38870	putative protease inhibitor; pr	0	1.29	0.89	0.37	0.38	0.25	-0.19	0.8	0.55	0.62	2.10
A007073_01	At2g16660	nodulin-like protein; protein id	0	1.38	1.39	0.66	0.60	0.47	0.88	1.0	0.16	-0.45	1.92
A007075_01	At2g21180	expressed protein; protein id:	0	1.43	1.48	1.74	2.11	2.00	1.62	1.3	0.06	-1.89	0.30
A007090_01	At2g02180	expressed protein; protein id:	0	0.71	0.83	0.82	0.96	1.00	1.11	1.1	0.14	-2.04	0.18
A007148_01	At2g42750	expressed protein; protein id:	0	1.72	1.73	1.72	2.06	2.07	2.35	1.6	0.06	-1.99	0.33
A007211_01	At2g33770	hypothetical protein; protein ic	0	0.08	0.58	0.72	0.65	0.24	1.12	0.8	0.81	-1.41	-0.47
A007218_01	At5g15220	ribosomal protein L27 - like; p	0	-1.34	-1.74	-1.77	-2.04	-1.96	-2.19	0.8	0.48	2.79	-0.58
A007219_01	At2g04030	putative heat shock protein; p	0	-1.21	-1.03	-0.86	-1.18	-1.12	-1.08	0.7	1.20	2.36	-1.23
A007243_01	At2g39360	putative protein kinase; protei	0	0.83	1.38	1.38	1.69	1.86	1.90	0.9	0.37	-2.05	-0.28
A007246_01	At2g34870	expressed protein; protein id:	0	-1.54	-1.91	-1.10	-1.89	-1.94	-1.44	0.9	0.41	2.43	-1.27
A007251_01	At2g23610	putative acetone-cyanohydrin	0	-0.62	-0.02	0.15	0.81	1.02	0.90	0.8	0.66	-1.29	-1.96
A007260_01	At2g23600	putative acetone-cyanohydrin	0	-0.05	0.71	0.91	1.54	1.62	1.30	1.2	0.06	-1.72	-1.19
A007283_01	At2g24820	putative Rieske iron-sulfur pro	0	0.66	1.14	1.22	1.06	0.96	1.36	0.7	1.61	-1.87	0.30
A007284_01	At2g19310	putative small heat shock pro	0	0.50	1.02	1.34	1.12	1.46	1.42	1.2	0.06	-1.89	-0.32
A007290_01	At2g01250	putative ribosomal protein L7;	0	-0.70	-0.98	-0.91	-1.55	-1.80	-1.77	0.8	0.55	2.73	0.30
A007291_01	At2g22470	arabinogalactan-protein (AGF	0	1.07	1.27	0.66	0.05	-0.17	0.10	0.8	0.96	0.69	2.11
A007294_01	At2g28720	putative histone H2B; protein	0	0.90	1.41	1.97	2.51	2.26	2.22	1.3	0.06	-1.98	-0.53
A007300_01	At2g44060	similar to late embryogenesis	0	-0.48	-0.81	-0.91	-1.03	-1.44	-1.54	0.8	0.55	2.73	0.27
A007302_01	At2g31750	putative glucosyltransferase; |	0	-0.07	0.49	1.01	1.33	1.68	2.05	0.8	0.55	-1.71	-1.45
A007305_01	At2g28950	expansin, putative; protein id:	0	-2.56	-2.98	-2.87	-3.82	-4.42	-4.40	1.2	0.06	2.81	-0.25
A007315_01	At2g18440	unknown protein; protein id: A	0	0.89	0.96	1.21	1.12	0.81	1.05	0.7	2.21	-1.65	0.83
A007325_01	At2g45820	remorin; protein id: At2g4582	0	1.64	1.44	1.27	1.00	0.70	0.82	0.9	0.41	-0.60	2.02
A007331_01	At2g47590	photolyase/blue-light receptor	0	-0.92	-1.00	-0.96	-0.93	-0.83	-1.18	1.1	0.14	2.54	-1.25
A007333_01	At2g29540	DNA-directed RNA polymeras	0	-0.88	-1.00	-0.82	-1.58	-1.63	-1.73	0.8	0.55	2.73	0.07
A007334_01	At2g14750	putative adenosine phosphos	0	0.10	0.45	0.83	0.91	0.86	1.70	0.9	0.31	-1.68	-1.12
A007336_01	At2g28400	hypothetical protein; protein ic	0	2.34	2.26	2.10	1.73	1.64	2.56	1.0	0.16	-1.50	1.21
A007338_01	At2g29530	expressed protein; protein id:	0	-1.08	-1.14	-1.03	-1.51	-1.75	-1.58	1.6	0.06	2.75	-0.34
A007342_01	At2g17280	unknown protein; protein id: A	0	-1.14	-1.45	-1.50	-2.08	-1.98	-2.02	1.3	0.06	2.79	-0.30
A007347_01	At2g23320	WRKY family transcription fac	0	1.75	1.28	0.97	1.23	1.30	1.35	0.9	0.26	-1.33	1.20
A007351_01	At2g33360	hypothetical protein; protein ic	0	0.43	0.46	0.61	0.73	0.86	1.31	1.1	0.14	-1.85	-0.74
A007353_01	At2g32870	unknown protein; protein id: A	0	1.91	2.86	3.46	4.48	4.53	4.97	0.7	1.61	-2.04	-0.57
A007357_01	At2g37190	60S ribosomal protein L12; pr	0	-0.43	-1.26	-1.19	-2.13	-2.53	-2.39	1.4	0.06	2.66	0.62
A007361_01	At2g20960	pEARL1 4 protein; protein id: /	0	0.35	0.45	0.66	0.89	1.04	1.09	1.1	0.14	-1.96	-0.90
A007362_01	At2g33830	auxin-regulated protein; prote	0	3.11	2.93	2.98	2.33	1.88	1.20	0.7	1.20	-0.67	1.87
A007366_01	At2g17760	putative chloroplast nucleoid l	0	0.59	0.60	0.68	0.67	0.89	1.14	0.9	0.31	-1.95	-0.13
A007370_01	At2g37270	40S ribosomal protein S5; pro	0	0.05	-0.10	-0.26	-0.75	-0.95	-1.53	0.6	4.47	2.24	1.17
A007373_01	At2g44650	chloroplast chaperonin 10; pr	0	-0.43	-0.57	-0.61	-0.82	-0.91	-1.19	0.7	2.21	2.75	0.20

A007385_01	At2g40460	putative PTR2 family peptide	0	-0.09	0.50	0.74	1.22	1.19	1.23	0.7	1.61	-1.73	-1.29
A007422_01	At2g48020	putative sugar transporter; pr	0	1.19	1.23	0.98	1.04	1.12	1.27	0.9	0.27	-1.72	1.04
A007428_01	At2g16990	putative tetracycline transport	0	-1.21	-0.86	-0.51	-0.36	-0.44	-0.49	0.6	2.21	0.93	-2.48
A007429_01	At2g26690	putative nitrate transporter; pr	0	1.64	2.32	2.52	2.01	1.87	2.79	1.3	0.06	-1.77	0.57
A007431_01	At2g28200	putative zinc-finger protein; pr	0	0.87	0.84	0.84	1.00	1.01	1.11	0.7	0.96	-1.96	0.40
A007433_01	At2g45220	pectinesterase family; protein	0	1.32	2.67	3.01	3.23	2.62	2.98	2.2	0.06	-1.85	0.04
A007475_01	At2g05790	glycosyl hydrolase family 17; j	0	-0.79	-2.09	-2.30	-3.86	-4.27	-3.85	1.1	0.14	2.66	0.57
A007513_01	At2g40660	putative methionyl-tRNA syntl	0	-0.77	-0.97	-0.95	-1.01	-0.93	-0.97	0.7	1.20	2.65	-1.05
A007530_01	At2g03550	putative esterase; protein id: j	0	1.26	1.43	1.42	1.42	1.22	0.98	0.9	0.31	-1.45	1.21
A007535_01	At2g15960	expressed protein; protein id: j	0	2.67	2.86	2.59	2.40	2.07	2.31	1.3	0.06	-1.44	1.43
A007555_01	At2g44640	expressed protein; protein id: j	0	-1.01	-1.46	-1.49	-1.01	-1.43	NA	0.9	0.27	NA	NA
A007577_01	At2g42010	phospholipase D (PLDbeta); j	0	0.72	1.10	1.02	1.07	0.54	1.34	0.9	0.37	-1.55	0.60
A007590_01	At2g23450	putative protein kinase; protei	0	1.84	1.76	1.46	1.32	1.57	1.82	1.0	0.16	-1.55	1.21
A007618_01	At2g38080	laccase (diphenol oxidase), p	0	-0.28	1.05	1.79	3.23	2.73	2.21	1.0	0.18	-1.57	-1.21
A007622_01	At2g18330	putative AAA-type ATPase; p	0	-1.42	-1.53	-1.41	-1.88	-1.80	-1.75	1.1	0.10	2.71	-0.81
A007627_01	At2g42220	rhodanese-like domain protei	0	-0.77	-1.12	-1.38	-1.49	-1.55	-2.35	0.7	1.61	2.70	0.13
A007649_01	At2g46620	hypothetical protein; protein ic	0	0.09	0.50	0.69	1.11	0.87	0.84	1.3	0.06	-1.76	-0.94
A007656_01	At2g44130	expressed protein; protein id: j	0	2.89	2.21	1.50	0.60	1.18	0.45	0.9	0.26	0.18	2.12
A007696_01	At2g39400	putative phospholipase; prote	0	3.23	3.18	3.14	3.34	2.96	2.82	1.0	0.16	-1.63	1.12
A007704_01	At2g39570	expressed protein; protein id: j	0	1.41	1.19	1.22	0.92	1.20	0.77	0.8	0.66	-1.08	1.55
A007723_01	At2g48120	pale cress protein; protein id: j	0	-0.69	-0.84	-0.94	-1.52	-0.80	NA	0.7	2.21	NA	NA
A007727_01	At2g31950	molybdopterin synthase (CN)	0	0.97	0.97	1.01	1.12	1.40	1.50	0.8	0.66	-2.01	0.04
A007730_01	At2g44310	expressed protein; protein id: j	0	-0.04	-0.49	-0.38	-0.57	-0.69	-1.00	1.2	0.06	2.50	0.65
A007746_01	At2g40890	cytochrome p450, putative; pr	0	0.52	0.96	1.33	2.45	2.01	1.43	1.0	0.20	-1.69	-0.75
A007750_01	At2g33480	putative NAM (no apical meris	0	2.28	2.58	2.62	2.66	2.47	2.97	1.2	0.06	-1.90	0.67
A007753_01	At2g37240	expressed protein; protein id: j	0	0.36	0.86	0.92	1.23	1.16	1.13	1.1	0.10	-1.95	-0.49
A007756_01	At2g41250	hypothetical protein; protein ic	0	1.21	1.23	1.07	0.69	0.63	1.39	0.6	2.21	-1.15	1.34
A007768_01	At2g42620	F-box protein ORE9, AtFBL7;	0	1.25	1.08	0.86	0.36	0.21	0.43	0.6	2.21	0.09	2.20
A007770_01	At2g39660	putative protein kinase; protei	0	0.44	0.72	1.03	1.29	1.37	1.69	1.1	0.10	-1.96	-0.81
A007776_01	At2g37230	unknown protein; protein id: A	0	-0.98	-1.10	-1.08	-1.42	-1.23	-1.73	0.6	2.21	2.72	-0.40
A007781_01	At2g21620	auxin-regulated protein; prote	0	1.46	1.88	1.84	1.79	1.94	2.23	1.5	0.06	-1.98	0.42
A007786_01	At2g36410	expressed protein; protein id: j	0	0.74	1.05	1.11	0.97	1.12	1.20	0.8	0.55	-1.98	0.34
A007791_01	At2g26800	putative hydroxymethylglutary	0	0.73	0.76	0.68	1.14	0.95	0.90	1.0	0.18	-1.91	0.21
A007794_01	At2g01850	xyloglucan endotransglycosyl.	0	1.34	1.58	1.46	1.38	1.24	1.57	1.5	0.06	-1.69	1.03
A007795_01	At2g47270	expressed protein; protein id: j	0	1.76	1.66	1.35	0.38	0.40	0.68	0.8	0.81	0.05	2.16
A007797_01	At2g32150	putative hydrolase; protein id: j	0	3.64	2.80	1.63	0.45	0.11	0.10	0.9	0.41	0.67	2.21
A007804_01	At2g40480	hypothetical protein; protein ic	0	-0.82	-0.86	-1.09	-1.24	-1.41	-1.49	0.9	0.41	2.80	-0.14
A007805_01	At2g31170	putative cysteinyl-tRNA synth	0	-0.57	-0.61	-0.73	-0.94	-0.75	-1.29	0.8	0.81	2.65	-0.08
A007811_01	At2g28150	hypothetical protein; protein ic	0	-0.82	-1.08	-1.03	-0.86	-0.88	-1.07	0.9	0.26	2.47	-1.31
A007812_01	At2g23840	unknown protein; protein id: A	0	0.60	1.32	1.66	2.41	2.32	2.57	1.2	0.06	-1.96	-0.89
A007815_01	At2g43550	putative trypsin inhibitor; prote	0	-1.41	-1.77	-1.92	-2.60	-2.84	-2.78	0.7	1.20	2.80	-0.01
A007816_01	At2g43530	putative trypsin inhibitor; prote	0	-0.91	-1.22	-1.54	-1.96	-2.24	-2.45	0.9	0.27	2.76	0.29
A007829_01	At2g46360	hypothetical protein; protein ic	0	-0.03	0.50	0.81	0.97	0.90	1.32	1.0	0.18	-1.76	-1.19
A007830_01	At2g29970	expressed protein; protein id: j	0	0.56	0.80	1.06	1.42	1.30	1.40	1.3	0.06	-2.01	-0.57

A007844_01	At2g36320	expressed protein; protein id:	0	1.50	1.62	1.84	2.16	2.01	2.27	1.4	0.06	-2.03	0.15
A007860_01	At2g03310	hypothetical protein; protein ic	0	1.46	2.26	2.63	3.06	3.10	2.69	1.8	0.06	-2.00	-0.18
A007862_01	At2g43650	unknown protein; protein id: A	0	-0.50	-0.57	-0.42	-0.82	-1.08	-0.83	1.2	0.06	2.48	0.12
A007876_01	At2g40270	putative protein kinase; protei	0	0.48	0.92	0.99	1.22	0.90	0.93	0.7	1.61	-1.70	0.12
A007894_01	At2g17800	Rac-like GTP-binding protein	0	-0.73	-0.74	-0.78	-0.94	-1.01	-0.87	0.7	1.20	2.70	-0.74
A007897_01	At2g16790	putative gluconokinase; prote	0	1.01	1.25	1.89	2.65	2.48	2.29	0.7	1.20	-1.95	-0.63
A007903_01	At2g44050	6,7-dimethyl-8-ribityllumazine	0	-0.62	-0.79	-0.75	-0.80	-1.02	-0.97	1.0	0.20	2.76	-0.57
A007929_01	At2g44770	expressed protein; protein id:	0	-1.01	-1.09	-1.23	-1.36	-1.44	-1.41	0.9	0.27	2.77	-0.61
A007931_01	At2g26960	myb family transcription facto	0	-0.49	-0.84	-0.84	-1.02	-0.66	-0.93	0.7	1.61	2.58	-0.66
A007949_01	At2g24090	putative chloroplast ribosoma	0	-0.76	-1.19	-1.20	-1.19	-1.26	-1.76	1.1	0.10	2.72	-0.39
A007959_01	At2g45980	expressed protein; protein id:	0	1.05	1.02	1.17	1.41	1.17	1.12	0.9	0.37	-1.83	0.57
A007964_01	At2g06850	xyloglucan endotransglycosyl.	0	-0.21	-0.86	-1.65	-2.69	-3.41	-3.42	1.3	0.06	2.50	0.99
A007966_01	At2g31800	putative protein kinase; protei	0	1.37	1.71	1.66	1.66	1.47	1.50	1.1	0.06	-1.73	0.94
A007974_01	At2g15050	putative lipid transfer protein;	0	0.24	1.18	1.16	2.01	1.83	1.18	1.0	0.20	-1.66	-0.66
A007975_01	At2g22420	putative peroxidase; protein ic	0	-0.20	-1.02	-1.09	-1.32	-1.02	-1.04	0.9	0.41	2.30	-0.17
A007977_01	At2g18050	histone H1; protein id: At2g18	0	3.03	2.95	3.10	3.10	2.65	3.02	1.3	0.06	-1.69	1.06
A007989_01	At2g28320	unknown protein; protein id: A	0	0.43	0.53	0.62	0.70	0.17	1.20	1.0	0.18	-1.29	0.05
A007993_01	At2g31810	putative acetolactate synthas	0	1.59	1.36	1.17	0.82	0.80	0.60	0.7	2.21	-0.45	2.06
A008004_01	At2g26570	unknown protein; protein id: A	0	0.40	0.57	0.69	0.83	1.18	1.08	1.3	0.06	-1.96	-0.75
A008005_01	At2g27840	unknown protein; protein id: A	0	-0.88	-0.98	-0.78	-1.61	-1.40	-1.41	0.7	0.96	2.68	-0.17
A008042_01	At2g03730	putative uridylyl transferase; p	0	0.78	1.18	1.54	1.85	1.65	1.66	1.1	0.10	-1.94	-0.24
A008043_01	At2g36020	expressed protein; protein id:	0	-0.14	0.06	0.47	0.64	0.84	1.35	1.0	0.20	-1.51	-1.60
A008055_01	At2g02320	hypothetical protein; protein ic	0	-1.23	-1.74	-1.68	-2.94	-3.30	-3.15	1.9	0.06	2.76	0.28
A008056_01	At2g38540	putative nonspecific lipid-tran:	0	-0.83	-1.38	-1.30	-2.95	-3.48	-3.07	1.3	0.06	2.64	0.63
A008060_01	At2g05210	hypothetical protein; protein ic	0	-0.48	-0.81	-0.96	-1.35	-1.53	-1.43	1.5	0.06	2.74	0.31
A008068_01	At2g31130	expressed protein; protein id:	0	0.82	0.78	0.89	1.40	1.27	1.59	0.9	0.41	-2.00	-0.41
A008131_01	At2g03980	putative GDSL-motif lipase/hy	0	-0.73	-1.08	-1.20	-1.81	-1.47	-1.46	0.7	1.20	2.71	-0.08
A008137_01	At2g45560	putative cytochrome P450; pr	0	0.14	0.55	0.52	1.00	0.71	-0.06	0.7	1.20	-0.72	-0.11
A008143_01	At2g27590	expressed protein; protein id:	0	-0.44	-0.86	-0.63	-1.16	-1.04	-1.33	1.1	0.14	2.76	0.09
A008183_01	At2g26030	F-box protein; protein id: At2g	0	1.04	0.91	0.83	0.84	0.69	0.86	0.7	0.96	-1.37	1.37
A008191_01	At2g22860	unknown protein; protein id: A	0	0.03	0.56	0.70	0.74	0.68	1.41	0.8	0.48	-1.67	-0.99
A008198_01	At2g26900	putative Na+ dependent ileal	0	-0.93	-0.95	-0.98	-0.87	-1.15	-1.32	0.8	0.48	2.67	-0.81
A008212_01	At2g23930	putative small nuclear ribonuc	0	-1.12	-1.14	-0.97	-1.23	-1.25	-1.31	0.8	0.81	2.66	-1.04
A008215_01	At2g07040	leucine-rich repeat transmem	0	-0.19	0.14	0.54	0.54	0.68	1.12	0.7	1.20	-1.51	-1.52
A008262_01	At2g46100	unknown protein; protein id: A	0	0.77	1.25	1.21	1.36	1.42	1.47	1.3	0.06	-1.98	0.08
A008270_01	At2g46210	putative fatty acid desaturase	0	-0.06	0.39	0.75	0.85	0.91	1.35	1.0	0.26	-1.72	-1.34
A008272_01	At2g40990	unknown protein; protein id: A	0	0.00	0.41	0.68	1.01	1.09	1.46	0.8	0.81	-1.76	-1.35
A008305_01	At2g42840	En/Spm-like transposon prote	0	-2.15	-4.13	-4.07	-4.18	-3.52	-3.05	1.1	0.06	2.42	-0.94
A008330_01	At2g24550	expressed protein; protein id:	0	1.04	1.43	1.91	2.45	1.91	2.03	0.9	0.27	-1.95	-0.25
A008335_01	At2g34560	katanin like protein	0	-0.47	-0.82	-1.10	-1.13	-0.80	-1.28	0.8	0.96	2.67	-0.20
A008350_01	At2g04730	hypothetical protein; protein ic	0	-0.78	-1.16	-1.22	-0.93	-1.47	-1.08	1.0	0.26	2.52	-0.76
A008386_01	At2g05920	subtilisin-like serine protease;	0	-0.79	-0.67	-0.61	-0.77	-1.03	-1.04	0.6	4.47	2.53	-0.46
A008415_01	At2g18550	homeodomain protein; proteir	0	3.08	2.41	1.90	1.29	0.97	0.85	0.8	0.66	-0.04	2.15
A008432_01	At2g11910	expressed protein; protein id:	0	-0.46	-0.66	-0.51	-0.82	-1.03	-1.04	1.0	0.16	2.78	0.05

A008445_01	At2g43030	50S ribosomal protein L3; pro	0	-0.62	-0.87	-0.91	-0.90	-1.12	-1.40	0.8	0.55	2.76	-0.23
A008452_01	At2g39390	60S ribosomal protein L35; pr	0	-0.84	-1.12	-1.11	-1.49	-1.72	-1.87	0.9	0.26	2.81	0.00
A008454_01	At2g20730	unknown protein; protein id: A	0	1.11	0.97	1.05	1.18	1.22	1.06	0.9	0.27	-1.79	0.65
A008459_01	At2g45210	putative auxin-regulated prote	0	2.01	2.56	2.88	3.04	3.29	3.64	2.2	0.06	-2.06	-0.01
A008472_01	At2g37040	phenylalanine ammonia lyase	0	-0.89	-0.67	0.27	1.72	1.07	0.95	0.7	1.61	-1.00	-1.90
A008481_01	At2g21120	unknown protein; protein id: A	0	1.24	1.21	1.33	1.01	1.32	1.19	0.9	0.26	-1.64	1.03
A008486_01	At2g28380	expressed protein; protein id:	0	-0.33	-0.62	-0.58	-0.62	-0.76	-1.03	0.6	2.21	2.71	0.01
A008500_01	At2g35940	BEL1-like homeobox 1 protein	0	1.22	1.78	2.05	2.17	2.13	2.62	1.9	0.06	-2.04	-0.11
A008511_01	At2g24290	expressed protein; protein id:	0	-0.63	-0.91	-0.82	-0.62	-0.72	-1.19	0.8	0.55	2.47	-0.91
A008512_01	At5g18380	putative 40S ribosomal protei	0	-0.08	-0.81	-0.80	-1.36	-1.48	-1.59	0.7	1.61	2.58	0.77
A008532_01	At2g33150	3-ketoacyl-CoA thiolase; prote	0	1.08	1.07	0.90	1.02	1.26	1.44	0.9	0.37	-1.86	0.38
A008534_01	At2g37520	unknown protein; protein id: A	0	0.63	0.64	0.83	0.82	0.66	1.20	0.8	0.55	-1.87	0.06
A008541_01	At2g40670	putative two-component respr	0	0.43	0.35	0.01	-0.15	0.06	1.49	0.9	0.26	-0.52	-0.22
A008548_01	At2g39770	GDP-mannose pyrophosphor	0	-0.41	-0.89	-0.88	-1.07	-1.21	-1.19	0.7	1.20	2.75	0.10
A008549_01	At2g05990	enoyl-ACP reductase (enr-A);	0	-1.20	-1.64	-1.77	-2.14	-2.47	-2.64	1.3	0.06	2.81	-0.06
A008562_01	At2g02990	ribonuclease, RNS1; protein i	0	3.56	3.18	2.33	0.87	0.06	0.97	1.0	0.26	0.35	2.19
A008572_01	At2g42280	bHLH protein; protein id: At2g	0	0.43	0.96	1.43	1.57	1.68	1.64	0.6	2.21	-1.96	-0.75
A008576_01	At2g46340	putative photomorphogenesis	0	0.70	1.19	1.20	1.01	0.78	1.40	1.1	0.10	-1.58	0.54
A008578_01	At2g38400	putative beta-alanine-pyruvat	0	1.90	1.29	0.71	0.29	-0.10	-0.13	0.7	1.61	0.81	2.18
A008582_01	At2g36950	expressed protein; protein id:	0	1.84	2.26	2.29	2.39	2.73	3.20	1.5	0.06	-2.03	0.10
A008583_01	At2g17250	hypothetical protein; protein ic	0	-0.72	-0.95	-0.99	-1.41	-1.22	-1.30	0.9	0.41	2.77	-0.22
A008587_01	At2g28000	putative rubisco subunit bindi	0	-1.68	-1.78	-1.70	-1.99	-1.97	-2.42	0.9	0.31	2.73	-0.77
A008601_01	At2g03240	unknown protein; protein id: A	0	0.31	-0.11	-0.57	-1.11	-1.79	-1.67	1.6	0.06	2.24	1.34
A008605_01	At2g22990	putative serine carboxypeptid	0	2.09	2.44	2.61	3.06	2.99	3.31	1.5	0.06	-2.05	0.12
A008608_01	At2g47470	putative protein disulfide-isor	0	-1.31	-1.32	-1.33	-1.45	-1.59	-1.77	1.1	0.10	2.73	-0.78
A008621_01	At2g18390	putative ADP-ribosylation fact	0	-0.59	-0.96	-0.95	-1.12	-1.08	-1.26	1.1	0.14	2.79	-0.32
A008637_01	At2g43400	putative electron transfer flav	0	1.17	0.98	0.78	0.62	0.75	0.69	0.7	1.20	-0.87	1.68
A008645_01	At2g43460	60S ribosomal protein L38; pr	0	-1.13	-1.23	-1.16	-1.71	-1.88	-1.93	1.4	0.06	2.79	-0.19
A008648_01	At2g43540	expressed protein; protein id:	0	0.39	0.44	0.63	1.02	1.22	0.85	0.8	0.96	-1.77	-0.89
A008652_01	At2g46470	OXA1 protein (OXA1p), putat	0	-0.64	-1.10	-1.20	-1.41	-1.41	-1.74	1.0	0.18	2.79	-0.04
A008655_01	At2g40800	unknown protein; protein id: A	0	-0.98	-0.98	-0.98	-1.14	-1.48	-1.31	1.0	0.18	2.71	-0.51
A008663_01	At2g41840	40S ribosomal protein S2; pro	0	-0.30	-0.80	-0.82	-1.50	-1.40	-1.48	0.9	0.41	2.67	0.53
A008664_01	At2g45170	AtAPG8e; putative microtubul	0	1.67	1.74	1.77	1.91	1.91	2.41	1.2	0.06	-1.96	0.35
A008667_01	At2g46030	E2, ubiquitin-conjugating enzy	0	1.37	1.37	1.20	1.12	1.05	1.69	1.0	0.26	-1.62	0.94
A008668_01	At2g37860	unknown protein; protein id: A	0	-1.12	-1.25	-1.18	-1.47	-1.16	-1.50	1.0	0.16	2.66	-0.96
A008673_01	At2g30660	3-hydroxyisobutyryl-coenzym	0	0.72	1.03	1.23	1.48	1.46	1.54	1.2	0.06	-2.06	-0.33
A008682_01	At2g39670	expressed protein; protein id:	0	-0.91	-1.02	-0.97	-1.02	-1.03	-1.35	1.1	0.14	2.70	-0.85
A008686_01	At2g45440	putative dihydrodipicolinate sy	0	-0.32	-0.50	-0.64	-1.27	-1.38	-1.11	0.8	0.96	2.57	0.66
A008707_01	At2g45180	expressed protein; protein id:	0	0.19	0.85	1.01	1.30	0.89	0.57	0.7	2.21	-1.38	-0.18
A008722_01	At2g18700	putative trehalose-6-phospha	0	2.13	2.15	1.87	1.73	1.95	2.00	0.9	0.26	-1.60	1.22
A008727_01	At2g41650	unknown protein; protein id: A	0	-0.95	-1.29	-1.29	-2.15	-2.53	-2.46	1.9	0.06	2.76	0.31
A008731_01	At2g28900	putative membrane channel p	0	-0.60	-0.97	-1.14	-1.45	-1.69	-2.06	0.8	0.48	2.74	0.34
A008733_01	At2g17450	putative RING zinc finger prot	0	1.13	1.14	1.21	1.29	1.23	1.16	0.9	0.26	-1.81	0.80
A008753_01	At2g41950	hypothetical protein; protein ic	0	-1.35	-1.06	-0.90	-0.88	-0.48	-1.02	1.2	0.06	1.63	-2.10

A008795_01	At2g04690	unknown protein; protein id: A	0	0.96	0.79	0.78	1.01	1.03	0.76	0.7	1.61	-1.65	0.78
A008807_01	At2g46860	putative inorganic pyrophosph	0	0.78	0.91	1.13	1.02	1.32	1.43	0.9	0.31	-2.00	-0.04
A008819_01	At2g47050	putative pectinesterase; prote	0	0.41	0.73	0.87	0.79	0.81	1.34	0.7	1.20	-1.88	-0.33
A008821_01	At2g43141	snoRNA gene At2g43141	0	-0.79	-1.28	-1.05	-1.92	-1.80	-1.47	0.7	1.61	2.65	-0.05
A008855_01	At2g42740	60S ribosomal protein L11B; j	0	-0.46	-0.65	-0.72	-1.12	-1.24	-1.14	0.8	0.81	2.74	0.30
A008857_01	At2g32690	unknown protein; protein id: A	0	-1.07	-0.77	-1.10	-1.68	-2.93	-3.32	1.4	0.06	2.44	0.64
A008873_01	At3g04070	NAM-like protein (no apical m	0	3.51	3.19	2.68	1.85	1.28	2.48	1.0	0.14	-0.70	1.90
A008881_01	At3g02180	expressed protein; protein id:	0	-0.30	-0.63	-0.97	-1.26	-1.67	-1.85	1.8	0.06	2.62	0.72
A008883_01	At3g51010	expressed protein; protein id:	0	-0.80	-1.21	-1.26	-1.53	-1.47	-1.65	0.8	0.66	2.81	-0.25
A008904_01	At3g62870	60S RIBOSOMAL PROTEIN	0	-0.71	-1.12	-1.13	-1.83	-2.04	-2.03	0.8	0.48	2.75	0.34
A008913_01	At3g03920	putative GAR1 protein; protei	0	-0.70	-0.84	-0.66	-1.19	-1.13	-1.32	0.8	0.55	2.72	-0.12
A008920_01	At3g17160	unknown protein; protein id: A	0	-1.16	-1.88	-1.55	-1.91	-2.14	-2.32	1.4	0.06	2.78	-0.42
A008926_01	At3g51800	putative nuclear DNA-binding	0	-0.86	-0.88	-0.90	-1.29	-1.33	-1.54	1.1	0.14	2.74	-0.11
A008929_01	At3g62300	putative protein; protein id: At	0	-0.73	-0.90	-0.95	-1.18	-1.08	-1.27	0.9	0.41	2.80	-0.42
A008934_01	At3g20050	t-complex polypeptide 1 hom	0	-0.53	-0.77	-0.78	-1.16	-0.78	-1.13	0.9	0.27	2.68	-0.24
A008937_01	At3g53020	60S ribosomal protein - like; p	0	-0.53	-0.68	-0.73	-1.20	-1.20	-1.29	0.9	0.37	2.77	0.23
A008938_01	At3g57410	villin 3 fragment; protein id: At	0	0.78	0.95	0.79	0.60	0.71	1.14	0.6	4.47	-1.60	0.86
A008944_01	At3g22300	putative 40S ribosomal protei	0	-1.14	-1.17	-1.15	-1.34	-1.41	-1.54	0.9	0.37	2.75	-0.77
A008950_01	At3g11900	putative amino acid transport	0	0.28	0.55	0.65	0.90	1.12	1.02	1.0	0.16	-1.96	-0.87
A008958_01	At3g61180	putative protein; protein id: At	0	0.49	0.64	1.02	1.23	1.10	1.03	0.8	0.96	-1.95	-0.48
A008961_01	At3g02150	expressed protein; protein id:	0	0.79	1.24	1.34	1.58	1.70	2.17	1.3	0.06	-2.03	-0.44
A008963_01	At3g12740	membrane protein common f	0	0.57	0.66	0.78	0.97	0.72	1.10	0.7	1.20	-1.96	-0.04
A008969_01	At3g63130	RAN GTPase activating prote	0	-0.87	-1.10	-0.94	-1.38	-1.34	-1.39	0.9	0.31	2.80	-0.49
A008985_01	At3g07310	expressed protein; protein id:	0	0.82	0.76	0.83	0.90	1.02	0.81	0.6	2.21	-1.80	0.63
A008997_01	At3g61200	putative protein; protein id: At	0	0.43	0.73	0.67	1.11	0.88	0.87	1.0	0.18	-1.93	-0.23
A009016_01	At3g22310	putative RNA helicase; protei	0	-0.55	-0.56	-0.58	-1.10	-1.06	-1.12	0.9	0.48	2.67	0.22
A009031_01	At3g56340	40S ribosomal protein S26 hc	0	-0.67	-1.02	-0.98	-1.59	-1.61	-1.58	1.1	0.14	2.78	0.12
A009037_01	At3g62720	alpha galactosyltransferase-li	0	0.32	0.27	-0.22	-0.88	-1.19	-1.02	1.1	0.10	2.00	1.54
A009044_01	At3g62710	glycosyl hydrolase family 3; p	0	-0.47	0.04	0.35	0.32	0.90	1.11	0.9	0.31	-1.29	-1.78
A009064_01	At3g56140	chloroplast lumen common pi	0	0.89	0.90	0.89	1.01	1.15	1.11	1.2	0.06	-1.95	0.35
A009077_01	At3g25690	unknown protein; protein id: A	0	1.04	1.57	1.41	1.23	1.02	1.27	0.8	0.66	-1.51	1.09
A009081_01	At3g11380	hypothetical protein; protein ic	0	0.38	0.75	0.80	0.78	0.89	1.28	0.7	2.21	-1.94	-0.39
A009087_01	At3g45140	lipoxygenase AtLOX2; proteir	0	-0.85	-0.45	-1.49	-1.72	-2.32	-2.01	0.6	4.47	2.49	0.65
A009088_01	At3g04910	putative mitogen activated pr	0	1.49	1.39	0.92	0.36	0.44	0.74	0.8	0.66	-0.14	2.11
A009102_01	At3g62530	putative protein; protein id: At	0	-0.87	-0.83	-0.76	-1.05	-1.12	-1.10	0.9	0.31	2.70	-0.63
A009105_01	At3g09830	putative protein kinase; protei	0	1.32	1.81	1.75	1.86	1.92	2.19	1.6	0.06	-2.01	0.28
A009107_01	At3g57520	glycosyl hydrolase family 36; j	0	1.62	1.39	1.06	-0.39	-0.23	-0.13	0.8	0.81	0.92	2.08
A009139_01	At3g51600	non-specific lipid transfer prot	0	1.30	1.51	0.77	0.62	-0.02	-0.14	0.9	0.31	0.53	2.10
A009145_01	At3g16220	hypothetical protein; protein ic	0	0.71	0.90	0.85	0.98	1.33	1.41	0.9	0.27	-2.01	-0.26
A009147_01	At3g18130	protein kinase C-receptor/G-p	0	-1.04	-1.63	-1.62	-2.42	-2.50	-2.64	1.3	0.06	2.78	0.16
A009148_01	At3g16250	putative 2Fe-2S iron-sulfur cl	0	0.33	0.22	-0.39	-0.56	-1.08	-1.47	1.1	0.10	2.06	1.43
A009187_01	At3g28270	At14a; protein id: At3g28270.	0	1.95	2.63	2.95	3.16	3.03	2.89	1.2	0.06	-1.95	0.26
A009196_01	At3g55010	phosphoribosylformylglycinar	0	-0.84	-1.02	-0.95	-1.32	-1.27	-1.33	1.0	0.18	2.80	-0.46
A009221_01	At3g63310	putative protein; protein id: At	0	0.64	0.96	0.92	0.81	1.12	1.23	0.7	2.21	-1.97	0.06

A009233_01	At3g43120	indole-3-acetic acid induced p	0	-0.20	0.18	0.64	0.80	0.81	1.28	0.9	0.31	-1.58	-1.57
A009255_01	At3g22240	expressed protein; protein id:	0	-1.11	-0.96	-0.69	-0.18	-0.25	-0.27	1.0	0.14	0.50	-2.61
A009256_01	At3g04840	putative 40S ribosomal protei	0	-0.88	-1.11	-1.13	-1.87	-1.90	-1.80	0.9	0.26	2.75	0.13
A009305_01	At3g22750	expressed protein; protein id:	0	1.49	1.16	1.14	0.72	1.42	1.24	0.9	0.41	-1.32	1.12
A009307_01	At3g53890	40S ribosomal protein S21 hc	0	-1.04	-1.32	-1.28	-1.75	-1.82	-1.74	1.4	0.06	2.80	-0.31
A009325_01	At3g29320	glucan phosphorylase, putativ	0	-1.53	-1.80	-1.81	-1.62	-1.97	-2.92	0.8	0.66	2.63	-0.58
A009328_01	At3g56880	putative protein; protein id: At	0	1.66	1.52	1.10	0.74	0.43	0.97	0.8	0.81	-0.38	2.05
A009340_01	At3g18760	expressed protein; protein id:	0	-1.46	-1.59	-1.50	-1.81	-2.14	-2.07	1.1	0.14	2.76	-0.58
A009368_01	At3g51420	strictosidine synthase-related	0	0.74	1.03	1.06	1.33	1.42	1.18	1.6	0.06	-1.99	-0.04
A009369_01	At3g46210	putative protein; protein id: At	0	-0.22	-0.82	-0.67	-1.08	-0.83	-1.28	0.8	0.55	2.63	0.22
A009378_01	At3g27820	monodehydroascorbate reduc	0	1.02	1.19	1.23	1.27	1.38	1.59	1.2	0.06	-2.02	0.24
A009409_01	At3g15050	hypothetical protein; protein ic	0	0.09	0.63	0.91	1.68	1.57	1.31	0.9	0.41	-1.74	-1.18
A009413_01	At3g12880	hypothetical protein; protein ic	0	-0.78	-1.58	-1.88	-0.95	-0.88	-1.33	0.9	0.31	1.98	-1.28
A009426_01	xxxx	b/t pseudogene, cytochrome l	0	0.08	0.53	0.79	1.40	1.10	0.70	0.8	0.55	-1.47	-0.79
A009434_01	At3g57720	protein kinase - like protein; p	0	1.83	1.80	1.45	1.26	1.19	1.04	1.1	0.06	-0.93	1.84
A009480_01	At3g18560	expressed protein; protein id:	0	-0.57	-0.67	-0.70	-1.11	-1.22	-1.05	0.7	1.20	2.74	0.06
A009491_01	At3g30370	hypothetical protein; protein ic	0	-0.51	-0.81	-0.56	-0.67	-1.35	-1.27	0.7	1.20	2.55	0.10
A009495_01	At3g21640	peptidylprolyl isomerase, puta	0	-0.32	-0.58	-0.63	-0.62	-0.69	-1.10	0.6	4.47	2.65	0.03
A009501_01	At3g48740	MTN3-like protein; protein id:	0	1.03	2.33	3.27	3.63	3.63	3.93	2.4	0.06	-1.96	-0.66
A009506_01	At3g43230	putative protein; protein id: At	0	0.87	0.91	0.95	1.16	1.20	1.65	0.9	0.41	-1.98	-0.15
A009507_01	At3g19553	amino acid permease, putativ	0	1.19	1.47	2.09	1.98	2.27	2.18	0.7	1.61	-2.00	-0.15
A009515_01	At3g05400	sugar transporter, putative; pr	0	-0.08	0.40	1.82	2.05	2.55	3.89	1.4	0.06	-1.55	-1.55
A009517_01	At3g51670	putative protein; protein id: At	0	-0.65	-0.56	-0.57	-1.00	-1.08	-1.13	0.9	0.37	2.55	0.12
A009525_01	At3g53420	plasma membrane intrinsic pr	0	1.33	1.52	1.71	1.24	0.84	1.31	0.6	2.21	-1.23	1.40
A009530_01	At3g21550	expressed protein; protein id:	0	1.35	0.64	0.51	0.60	-0.20	0.31	1.1	0.14	0.42	1.89
A009543_01	At3g16080	putative ribosomal protein; pr	0	-1.06	-1.17	-1.16	-1.71	-1.72	-1.75	1.4	0.06	2.79	-0.23
A009551_01	At3g45780	nonphototropic hypocotyl 1; p	0	1.11	1.04	1.13	1.20	0.95	1.16	1.2	0.06	-1.73	0.94
A009566_01	At3g55360	synaptic glycoprotein SC2-like	0	-0.56	-0.72	-0.74	-1.02	-1.21	-1.45	1.0	0.16	2.73	0.22
A009568_01	At3g15640	putative cytochrome c oxidase	0	-0.45	-0.92	-0.94	-1.57	-1.56	-1.25	1.0	0.20	2.66	0.23
A009583_01	At3g47250	putative protein; protein id: At	0	1.24	1.74	2.03	2.38	2.62	2.55	1.7	0.06	-2.06	-0.32
A009590_01	At3g06550	unknown protein; protein id: A	0	-0.10	0.15	-0.05	-0.39	-1.07	-0.97	1.0	0.16	1.89	1.18
A009618_01	At3g10610	putative 40S ribosomal protei	0	-1.47	-1.86	-1.71	-2.72	-2.49	-2.46	0.8	0.55	2.77	-0.27
A009665_01	At3g01250	hypothetical protein; protein ic	0	0.44	0.63	0.95	1.00	0.90	1.20	0.8	0.96	-1.96	-0.43
A009676_01	At3g07590	putative small nuclear ribonuc	0	-0.76	-1.05	-0.91	-1.26	-1.17	-1.18	0.8	0.81	2.76	-0.59
A009738_01	At3g46930	protein kinase 6-like protein; p	0	0.76	1.08	1.23	1.47	1.26	1.73	1.6	0.06	-2.02	-0.21
A009740_01	At3g57390	MADS-box protein; protein id:	0	0.77	0.60	0.88	0.93	1.08	1.42	1.0	0.20	-1.90	-0.35
A009744_01	At3g07460	expressed protein; protein id:	0	-0.07	-0.12	-0.37	-0.83	-1.08	-1.00	0.9	0.26	2.33	1.14
A009753_01	At3g23830	A.t. reversibly glycosylated pc	0	-1.58	-2.09	-1.60	-1.63	-2.62	-2.75	0.9	0.31	2.67	-0.56
A009765_01	At3g24190	expressed protein; protein id:	0	0.57	0.92	0.99	1.08	1.17	1.35	1.2	0.06	-2.04	-0.22
A009777_01	At3g18290	zinc finger protein, putative; p	0	0.74	1.05	0.97	0.88	0.73	1.18	1.0	0.18	-1.71	0.73
A009780_01	At3g01520	expressed protein; protein id:	0	1.00	1.03	1.12	1.14	0.99	0.81	0.6	4.47	-1.54	1.07
A009803_01	At3g03480	putative hypersensitivity-relate	0	1.12	1.48	1.41	1.98	1.93	1.45	1.3	0.06	-1.89	0.13
A009836_01	At3g01970	WRKY family transcription fac	0	1.44	2.09	2.31	2.65	3.16	3.24	0.7	2.21	-2.05	-0.41
A009845_01	not annotated	Chr3 C/9929563-9929632	0	-0.43	0.15	0.59	0.82	1.04	1.29	1.1	0.10	-1.48	-1.76

A009848_01	At3g02140	expressed protein; protein id:	0	2.00	2.27	2.21	2.05	1.86	2.32	1.7	0.06	-1.73	1.00
A009867_01	At3g61460	RING finger protein; protein ic	0	0.56	0.78	0.84	0.75	0.40	0.19	0.8	0.66	-0.53	1.32
A009879_01	At3g10090	putative ribosomal protein S2	0	-0.74	-0.82	-0.73	-1.13	-1.21	-0.95	0.9	0.27	2.70	-0.48
A009890_01	At3g30775	hypothetical protein; protein ic	0	1.32	1.09	0.52	-0.31	-0.55	-0.21	1.0	0.20	1.14	2.08
A009906_01	At3g06420	AtAPG8h; expressed protein;	0	2.07	2.10	1.61	1.74	1.58	2.05	1.1	0.14	-1.54	1.24
A009911_01	At3g15000	expressed protein; protein id:	0	-1.45	-1.24	-1.06	-1.41	-1.25	-1.44	0.8	0.48	2.42	-1.22
A009949_01	At3g54640	tryptophan synthase alpha ch	0	-1.35	-1.15	-1.04	-0.74	-0.70	-0.79	0.6	4.47	1.54	-2.34
A009988_01	At3g02810	putative protein kinase; protei	0	-0.20	0.18	0.54	0.69	0.45	1.14	0.7	1.20	-1.46	-1.43
A009989_01	At3g02800	unknown protein; protein id: A	0	0.46	0.61	0.90	1.13	1.07	1.53	0.9	0.41	-1.94	-0.80
A010048_01	At3g56620	nodulin-like protein; protein id	0	0.46	-0.63	-1.15	-0.90	-0.96	NA	0.7	1.20	NA	NA
A010051_01	At3g62110	polygalacturonase, putative; p	0	-1.50	-1.72	-1.63	-1.68	-1.93	-2.03	1.2	0.06	2.70	-0.91
A010065_01	At3g14610	cytochrome P450, putative; p	0	1.26	0.48	0.11	-0.37	0.09	-0.30	1.0	0.18	1.13	1.72
A010173_01	At3g56010	putative protein; protein id: At	0	0.41	0.66	0.85	1.07	0.83	0.81	0.9	0.41	-1.87	-0.16
A010227_01	At3g12630	expressed protein; protein id:	0	0.70	0.59	0.66	0.65	0.59	1.01	0.8	0.81	-1.75	0.48
A010276_01	At3g54500	putative protein; protein id: At	0	1.00	1.16	1.05	1.27	0.88	1.76	0.8	0.81	-1.78	0.38
A010296_01	At3g19400	cysteine proteinase; protein ic	0	-0.75	-0.96	-1.11	-1.15	-1.45	-1.50	0.9	0.31	2.80	-0.15
A010300_01	At3g47930	L-galactono-1,4-lactone dehy	0	-0.84	-0.89	-1.13	-1.20	-1.39	-1.32	0.7	2.21	2.79	-0.31
A010307_01	At3g26165	pseudogene, cytochrome P45	0	2.18	2.35	2.30	2.36	2.11	2.34	1.2	0.06	-1.78	0.94
A010313_01	At3g15351	expressed protein; protein id:	0	0.72	0.67	0.60	0.78	1.02	1.23	0.8	0.96	-1.84	-0.19
A010318_01	At3g51730	putative protein; protein id: At	0	2.12	1.94	1.84	1.96	2.07	2.26	1.0	0.16	-1.79	0.82
A010320_01	At3g12390	nascent polypeptide associat	0	-0.84	-1.29	-1.29	-1.71	-1.71	-1.97	1.3	0.06	2.81	-0.05
A010323_01	At3g52480	putative protein; protein id: At	0	1.33	1.47	1.63	2.17	1.96	1.50	1.2	0.06	-1.84	0.24
A010348_01	At3g52620	hypothetical protein; protein ic	0	0.82	1.11	1.56	1.59	1.43	2.01	0.8	0.55	-2.00	-0.31
A010365_01	At3g06700	ribosomal protein L29, putativ	0	-0.68	-0.73	-0.80	-1.32	-1.43	-1.42	1.0	0.18	2.73	0.22
A010369_01	At3g44890	RP19 gene for chloroplast rib	0	-0.59	-0.98	-1.03	-1.20	-1.12	-1.42	0.8	0.66	2.78	-0.21
A010378_01	At3g12145	pseudogene, polygalacturona	0	-2.48	-3.23	-2.42	-4.28	-3.73	-3.11	1.2	0.06	2.62	-0.69
A010383_01	At3g45010	carboxypeptidase precursor-li	0	1.91	2.10	1.89	1.78	1.86	2.43	1.0	0.20	-1.79	0.83
A010390_01	At3g15770	hypothetical protein; protein ic	0	1.18	1.15	0.87	0.79	0.74	1.00	0.6	4.47	-1.22	1.61
A010393_01	At3g54400	nucleoid DNA-binding - like pi	0	-1.32	-2.24	-2.42	-3.09	-3.28	-3.00	1.3	0.06	2.76	-0.05
A010400_01	At3g56310	glycosyl hydrolase family 27 (	0	0.73	0.86	0.84	0.97	1.46	1.37	1.0	0.16	-1.99	-0.30
A010404_01	At3g04980	hypothetical protein, contains	0	-0.50	-0.76	-0.80	-0.68	-0.82	-1.20	0.7	1.61	2.67	-0.34
A010413_01	At3g11590	expressed protein; protein id:	0	-0.38	-0.49	-0.59	-0.91	-1.17	NA	0.8	0.48	NA	NA
A010414_01	At3g01240	hypothetical protein; protein ic	0	0.33	0.69	1.07	1.19	1.02	1.55	0.8	0.66	-1.92	-0.79
A010433_01	At3g05090	expressed protein; protein id:	0	0.80	0.94	0.96	0.79	0.63	1.11	0.8	0.81	-1.61	0.93
A010441_01	At3g09000	expressed protein; protein id:	0	-0.66	-0.66	-0.72	-1.11	-0.88	-1.41	0.6	4.47	2.68	-0.07
A010460_01	At3g15590	DNA-binding protein, putative	0	-0.66	-1.04	-0.89	-1.02	-0.91	-1.18	0.9	0.37	2.70	-0.77
A010467_01	At3g19790	hypothetical protein; protein ic	0	-0.77	-0.91	-0.88	-1.15	-1.03	-1.05	0.9	0.41	2.73	-0.69
A010495_01	At3g04700	hypothetical protein; protein ic	0	0.24	0.54	0.83	0.74	0.96	1.39	0.8	0.81	-1.84	-0.88
A010506_01	At3g54920	pectate lyase - like protein; pr	0	-0.34	-0.66	-1.18	-1.30	-1.55	-1.88	0.6	4.47	2.65	0.63
A010517_01	At3g06320	putative 50S ribosomal protei	0	-1.77	-2.21	-1.90	-2.26	-2.41	-2.42	1.2	0.06	2.73	-0.86
A010518_01	At3g50770	calmodulin-like protein; protei	0	1.28	0.83	1.05	0.69	2.08	2.73	1.1	0.14	-1.46	-0.50
A010526_01	At3g55005	expressed protein; protein id:	0	-0.36	-0.67	-0.84	-0.75	-0.97	-1.25	1.1	0.10	2.68	0.09
A010527_01	At3g56170	putative protein; protein id: At	0	1.17	1.49	1.69	2.35	2.13	1.81	1.1	0.10	-1.94	-0.11
A010535_01	At3g23170	expressed protein; protein id:	0	0.51	0.77	0.91	1.15	0.88	1.17	1.1	0.14	-1.99	-0.24

A010541_01	At3g17070	peroxidase, putative; protein i	0	-1.39	-1.01	-0.84	-0.27	-0.36	-0.29	0.6	2.21	0.52	-2.60
A010548_01	xxxx	b/t glycosyl transferase, putat	0	-0.36	-0.81	-0.87	-1.11	-1.37	-1.44	0.9	0.48	2.73	0.38
A010555_01	At3g03470	cytochrome p450, putative; pi	0	1.80	2.48	2.83	3.13	3.37	3.52	2.3	0.06	-2.07	-0.18
A010559_01	At3g56490	protein kinase C inhibitor-like	0	-0.97	-0.83	-0.86	-1.21	-1.16	-1.05	0.9	0.31	2.64	-0.76
A010579_01	At3g54880	putative protein; protein id: At	0	1.26	0.93	0.81	0.66	0.54	0.13	0.9	0.27	-0.03	2.03
A010599_01	At3g02080	putative 40S ribosomal protei	0	0.09	-0.59	-0.65	-1.23	-1.42	-1.36	0.8	0.66	2.48	0.97
A010617_01	At3g05160	putative sugar transporter; pr	0	1.47	1.54	1.73	2.01	1.97	1.96	1.9	0.06	-2.00	0.26
A010619_01	At3g26510	unknown protein; protein id: A	0	1.62	2.06	2.44	2.44	2.49	3.00	1.1	0.10	-2.04	0.03
A010626_01	At3g18280	lipid transfer protein, putative;	0	-0.26	-0.39	-0.68	-0.79	-1.02	-0.94	0.8	0.48	2.66	0.53
A010628_01	At3g62840	small nuclear ribonucleoprote	0	-0.57	-0.67	-0.56	-0.79	-0.96	-1.06	0.8	0.81	2.79	-0.24
A010629_01	At3g23990	mitochondrial chaperonin hsp	0	-1.10	-1.03	-0.93	-1.41	-1.36	-1.57	1.0	0.14	2.71	-0.50
A010648_01	At3g22890	ATP sulfurylase, putative; pro	0	0.63	0.89	1.19	1.52	1.56	2.67	0.8	0.55	-1.83	-0.84
A010660_01	At3g20670	histone H2A, putative; protein	0	-1.47	-1.70	-1.35	-1.87	-2.13	-2.13	1.4	0.06	2.77	-0.65
A010669_01	At3g19550	expressed protein; protein id:	0	0.32	0.79	1.42	2.07	2.01	2.09	1.0	0.14	-1.85	-1.16
A010676_01	At3g57450	putative protein; protein id: At	0	0.28	1.01	0.72	0.13	-0.24	0.10	1.1	0.10	0.38	1.47
A010677_01	At3g01100	unknown protein; protein id: A	0	0.72	0.95	1.21	1.27	1.37	1.51	1.0	0.18	-2.07	-0.29
A010679_01	At3g57560	acetylglutamate kinase-like pi	0	-0.78	-0.94	-0.99	-1.29	-1.36	-1.57	0.9	0.37	2.81	-0.12
A010689_01	At3g49670	leucine-rich repeat transmem	0	-1.19	-1.05	-0.79	-0.92	-1.86	-1.73	0.7	2.21	2.45	-0.34
A010690_01	At3g04240	putative O-linked GlcNAc trar	0	0.56	0.67	0.76	0.89	0.90	1.17	0.8	0.81	-2.04	-0.22
A010693_01	At3g44880	lethal leaf-spot 1 homolog Lls	0	0.65	1.02	0.96	1.12	1.41	1.50	1.3	0.06	-2.04	-0.32
A010696_01	At3g04520	L-allo-threonine aldolase, puti	0	0.66	0.67	0.57	0.81	0.89	1.19	0.8	0.66	-1.83	-0.21
A010701_01	At3g16040	expressed protein; protein id:	0	-0.45	0.19	0.70	1.00	1.16	1.48	0.6	4.47	-1.50	-1.74
A010704_01	At3g04350	expressed protein; protein id:	0	0.73	0.78	1.04	1.06	1.26	1.41	0.8	0.66	-2.04	-0.29
A010708_01	At3g57800	putative protein; protein id: At	0	0.24	-0.22	-0.75	-1.15	-1.01	-1.45	0.6	2.21	2.34	1.17
A010709_01	At3g56120	putative protein; protein id: At	0	-0.59	-0.69	-0.79	-1.04	-1.04	-1.05	1.2	0.06	2.80	-0.16
A010731_01	At3g27690	light harvesting chlorophyll A/	0	1.05	0.25	-0.34	-1.16	-1.53	-1.94	0.7	2.21	1.98	1.62
A010733_01	At3g27740	carbamoyl phosphate synthet	0	-0.86	-1.38	-1.23	-1.91	-2.20	-2.09	1.1	0.14	2.78	0.13
A010744_01	At3g62360	putative protein; protein id: At	0	-1.10	-0.68	-0.90	-0.80	-0.82	-0.87	0.6	2.21	2.15	-1.41
A010750_01	At3g49220	pectinesterase - like protein; p	0	-1.04	-1.15	-1.27	-1.59	-1.95	-1.97	1.1	0.10	2.79	-0.05
A010790_01	At3g10520	class 2 non-symbiotic hemogl	0	0.17	0.83	1.16	1.67	1.39	0.66	2.1	0.06	-1.42	-0.58
A010805_01	At3g03870	expressed protein; protein id:	0	1.82	1.78	1.91	1.73	1.91	2.45	1.3	0.06	-1.88	0.57
A010822_01	At3g13810	zinc finger protein, putative; p	0	0.06	0.50	0.77	0.83	1.11	1.11	1.2	0.06	-1.82	-1.14
A010851_01	At3g09920	putative phosphatidylinositol-	0	0.86	0.99	0.78	0.90	0.87	0.97	0.9	0.41	-1.75	0.96
A010863_01	At3g21420	expressed protein; protein id:	0	1.33	0.83	0.41	0.19	0.13	0.62	0.6	4.47	0.20	1.72
A010874_01	At3g10525	expressed protein; protein id:	0	1.18	1.65	1.81	1.96	1.80	1.67	1.3	0.06	-1.91	0.33
A010879_01	At3g58660	putative protein; protein id: At	0	-0.82	-1.07	-0.95	-1.65	-1.74	NA	0.7	2.21	NA	NA
A010898_01	At3g53620	inorganic pyrophosphatase -li	0	0.43	-0.17	-0.63	-0.07	-1.23	-0.91	0.8	0.55	1.88	1.12
A010902_01	At3g57330	potential calcium-transporting	0	0.31	1.01	1.19	1.42	1.33	1.76	1.4	0.06	-1.93	-0.73
A010926_01	At3g61310	putative DNA-binding protein;	0	-0.81	-0.86	-1.15	-1.03	-0.97	-1.07	0.7	2.21	2.67	-0.89
A010943_01	At3g52960	peroxiredoxin - like protein; pi	0	-0.95	-0.85	-0.81	-1.19	-0.93	-1.38	0.7	2.21	2.62	-0.63
A010949_01	At3g61900	putative protein; protein id: At	0	0.35	0.95	1.93	2.47	2.70	3.05	1.0	0.16	-1.83	-1.27
A010961_01	At3g59140	ABC transporter family protei	0	-0.67	0.09	0.68	0.94	0.88	1.74	0.9	0.41	-1.35	-1.76
A010964_01	At3g56290	putative protein; protein id: At	0	0.93	1.42	1.61	1.51	1.60	2.08	0.9	0.27	-2.00	-0.05
A011007_01	At3g11930	ethylene-responsive protein, p	0	1.45	2.37	2.47	2.51	2.34	3.04	1.7	0.06	-1.97	0.12

A011019_01	At3g20530	protein kinase, putative; prote	0	0.41	0.68	1.03	1.07	1.09	1.51	0.7	1.20	-1.96	-0.71
A011029_01	At3g19895	unknown protein; protein id: A	0	0.65	0.84	1.07	1.74	1.52	1.77	0.9	0.48	-1.98	-0.73
A011033_01	At3g15580	AtAPG8i; expressed protein; j	0	0.83	1.09	1.13	1.33	1.22	1.53	1.5	0.06	-2.04	0.00
A011038_01	At3g22530	expressed protein; protein id:	0	0.16	0.38	0.54	0.64	0.83	1.04	1.0	0.20	-1.87	-1.07
A011090_01	At3g27390	unknown protein; protein id: A	0	0.80	0.95	1.05	0.84	1.53	1.25	0.7	2.21	-1.84	0.04
A011094_01	At3g21790	putative UDP-glucose glucosyl	0	1.44	1.56	1.65	1.62	1.71	2.28	0.9	0.31	-1.96	0.30
A011109_01	At3g28750	unknown protein; protein id: A	0	0.44	0.76	1.17	1.12	0.97	1.85	1.0	0.20	-1.81	-0.60
A011121_01	At3g48500	hypothetical protein; protein ic	0	-0.94	-0.82	-0.67	-0.54	-0.64	-1.03	0.8	0.96	2.13	-1.57
A011130_01	At3g14280	unknown protein; protein id: A	0	2.45	2.75	2.86	3.08	2.87	3.03	1.6	0.06	-1.92	0.60
A011146_01	At3g49570	hypothetical protein; protein ic	0	-0.74	0.18	1.91	1.83	2.29	4.28	1.1	0.14	-1.39	-1.68
A011148_01	At3g04770	putative 40S ribosomal protei	0	-0.99	-1.01	-0.88	-1.34	-1.38	-1.44	0.8	0.81	2.76	-0.45
A011190_01	At3g55290	oxidoreductase-like protein; p	0	0.33	0.38	-0.01	-0.83	-1.02	-1.10	1.3	0.06	1.94	1.58
A011193_01	At3g22060	receptor kinase common fam	0	2.22	2.65	2.02	1.66	0.92	0.38	1.6	0.06	-0.14	1.95
A011198_01	At3g60140	glycosyl hydrolase family 1, b	0	2.44	2.79	3.13	2.40	2.40	4.74	1.2	0.06	-1.70	0.21
A011200_01	At3g60180	uridylylate kinase-like protein; p	0	0.86	0.98	0.89	1.05	0.91	0.96	0.7	0.96	-1.84	0.76
A011228_01	At3g60520	putative protein; protein id: At	0	-0.44	-1.29	-0.62	-0.27	-0.19	-0.37	0.7	1.61	0.91	-1.93
A011267_01	At3g22420	putative protein kinase; protei	0	0.29	-0.21	-0.44	-0.79	-0.83	-1.03	1.3	0.06	2.31	1.23
A011274_01	At3g17590	expressed protein; protein id:	0	0.35	-0.79	-0.79	-0.86	-0.73	-1.06	1.4	0.06	2.09	0.38
A011285_01	At3g53960	transporter-like protein; protei	0	0.89	1.57	1.95	2.13	2.33	2.68	0.6	4.47	-2.02	-0.53
A011304_01	At3g21110	phosphoribosyamidoimidazol	0	-0.50	-0.82	-0.82	-1.10	-1.05	-1.09	1.3	0.06	2.78	-0.18
A011307_01	At3g59210	putative protein; protein id: At	0	1.59	1.33	0.99	0.79	0.86	1.37	0.6	4.47	-1.02	1.47
A011311_01	At3g10230	lycopene beta cyclase; protei	0	0.56	0.82	0.93	0.98	0.91	1.11	0.8	0.48	-1.99	0.05
A011320_01	At3g17150	hypothetical protein; protein ic	0	0.01	-1.69	-3.06	NA	-2.71	-3.06	1.0	0.14	NA	NA
A011331_01	At3g48180	hypothetical protein; protein ic	0	0.02	-0.04	0.27	0.58	0.85	1.18	1.0	0.16	-1.33	-1.63
A011342_01	At3g05060	putative SAR DNA-binding pr	0	-0.86	-1.06	-1.04	-1.75	-1.25	-1.81	1.0	0.26	2.68	-0.10
A011344_01	At3g09820	putative adenosine kinase; pr	0	-1.26	-1.55	-1.55	-1.25	-1.70	-2.33	0.9	0.41	2.63	-0.59
A011359_01	At3g57510	polygalacturonase, putative; p	0	0.98	2.44	3.89	4.49	4.92	5.82	3.8	0.06	-1.92	-1.02
A011372_01	At3g52750	plastid division protein FtsZ-lil	0	-0.97	-1.26	-1.43	-1.72	-1.50	NA	0.9	0.48	NA	NA
A011390_01	At3g06530	hypothetical protein; protein ic	0	-1.19	-1.04	-0.63	-1.38	-1.12	-1.03	0.8	0.66	2.30	-1.08
A011396_01	At3g08740	putative elongation factor P (E	0	-0.60	-1.07	-1.19	-1.15	-1.31	-1.67	0.7	1.20	2.75	-0.12
A011407_01	At3g01230	hypothetical protein; protein ic	0	0.66	0.94	1.57	1.53	1.47	2.13	0.8	0.55	-1.90	-0.55
A011419_01	At3g05180	putative nodulin; protein id: At	0	-0.58	-1.12	-1.44	-1.08	-0.87	-1.33	0.9	0.48	2.29	-0.74
A011428_01	At3g09030	hypothetical protein; protein ic	0	0.91	0.98	1.17	1.46	1.33	1.22	1.0	0.16	-1.97	0.12
A011429_01	At3g20250	pumilio-family RNA-binding pi	0	1.37	1.24	1.23	1.14	1.04	1.64	0.8	0.96	-1.65	0.90
A011436_01	At3g09190	MZB10.23; pseudogene, lecti	0	-1.04	-1.52	-1.03	-0.07	0.17	-0.11	0.7	2.21	0.17	-2.44
A011441_01	At3g10250	expressed protein; protein id:	0	0.77	0.65	0.99	1.30	1.38	1.56	0.7	0.96	-1.97	-0.60
A011462_01	At3g04630	expressed protein; protein id:	0	-0.79	-0.92	-0.77	-1.11	-0.83	NA	0.8	0.48	NA	NA
A011479_01	At3g03980	putative short-chain type dehy	0	-0.42	-0.52	-0.68	-0.84	-0.88	-1.28	0.8	0.81	2.70	0.25
A011505_01	At3g52840	glycosyl hydrolase family 35 (	0	1.16	0.66	0.47	0.38	0.19	-0.03	1.2	0.06	0.53	2.09
A011512_01	At3g57570	hypothetical protein; protein ic	0	0.21	0.32	0.49	0.57	0.65	1.00	0.7	1.61	-1.83	-0.97
A011523_01	At3g07200	putative RING zinc finger prot	0	-1.05	-1.89	-1.29	-1.76	-1.21	-2.23	1.0	0.16	2.49	-0.81
A011532_01	At3g49780	putative protein; protein id: At	0	0.53	2.05	3.03	3.45	3.54	3.42	2.8	0.06	-1.89	-0.86
A011548_01	At3g04290	putative GDSL-motif lipase/ac	0	-2.38	-3.89	-3.30	-5.29	-4.88	-4.79	1.1	0.10	2.76	-0.24
A011550_01	At3g04140	unknown protein; protein id: A	0	0.56	0.96	1.33	1.80	1.88	1.91	0.8	0.96	-1.97	-0.81

A011557_01	At3g02660	putative tyrosyl-tRNA synthetase	0	-0.32	-0.41	-0.61	-0.69	-0.52	-1.08	0.8	0.66	2.52	0.24
A011569_01	At3g06130	expressed protein; protein id:	0	-0.14	-0.60	-0.68	-0.73	-1.36	-1.38	1.7	0.06	2.53	0.68
A011606_01	At3g55120	chalcone isomerase; protein id:	0	-2.09	-1.51	-1.17	-1.29	-1.38	-0.87	1.5	0.06	1.54	-2.17
A011607_01	At3g52340	expressed protein; protein id:	0	1.05	1.03	1.00	0.65	0.39	1.25	1.2	0.06	-1.03	1.30
A011613_01	At3g23640	glycosyl hydrolase family 31; j	0	1.17	1.32	1.26	0.94	0.95	0.75	0.8	0.81	-1.05	1.62
A011614_01	At3g14240	subtilisin-like serine protease;	0	-0.31	-0.77	-1.34	-1.80	-2.32	-2.74	0.9	0.31	2.57	0.84
A011622_01	At3g21250	ABC transporter family protein	0	0.31	1.16	1.39	1.14	1.10	1.90	1.1	0.10	-1.77	-0.43
A011631_01	At3g61260	putative DNA-binding protein;	0	1.37	1.41	1.45	1.56	1.40	1.30	0.8	0.48	-1.73	0.93
A011650_01	At3g09200	putative 60S acidic ribosomal	0	-0.57	-0.74	-0.76	-1.18	-1.32	-1.15	0.8	0.96	2.75	0.11
A011662_01	At3g01980	putative dehydrogenase; prot	0	-1.04	-1.45	-1.41	-1.57	-1.48	-1.77	1.0	0.16	2.75	-0.67
A011666_01	At3g13180	sun protein (fmu protein), put	0	-0.94	-1.19	-1.12	-1.63	-1.08	-1.32	1.0	0.26	2.58	-0.81
A011671_01	At3g04400	ribosomal protein L17, putativ	0	-1.02	-1.06	-0.90	-1.27	-1.46	-1.12	1.0	0.18	2.63	-0.73
A011673_01	At3g09440	heat-shock protein (At-hsc70-	0	-0.37	0.14	-0.13	-1.54	-1.73	-1.03	0.8	0.55	1.98	1.00
A011677_01	At3g45600	putative protein; protein id: At	0	0.55	0.85	0.99	1.02	1.06	0.85	0.9	0.37	-1.85	0.15
A011678_01	At3g54960	protein disulfide-isomerase-lik	0	-1.00	-0.70	-0.90	-1.26	-0.88	-0.90	0.7	2.21	2.37	-0.97
A011689_01	At3g50060	myb DNA-binding protein (MY	0	-0.37	-0.16	-0.53	-1.04	-1.18	-1.40	0.8	0.81	2.43	0.87
A011692_01	At3g54050	fructose-bisphosphatase prec	0	0.68	0.88	0.91	1.08	0.85	0.84	1.1	0.10	-1.82	0.56
A011722_01	At3g46040	cytoplasmic ribosomal proteir	0	-0.11	-0.59	-0.69	-1.07	-1.31	-1.31	1.0	0.16	2.61	0.73
A011726_01	At3g15353	expressed protein; protein id:	0	1.56	2.54	2.66	3.09	3.26	3.64	1.3	0.06	-2.06	-0.26
A011732_01	At3g62420	bZIP family transcription factc	0	1.06	1.22	1.05	1.01	0.82	1.06	0.7	1.61	-1.46	1.32
A011750_01	At3g58740	citrate synthase -like protein;	0	0.97	1.03	0.92	1.08	1.15	1.27	1.0	0.16	-1.93	0.43
A011755_01	At3g04730	auxin-induced protein; proteir	0	0.87	1.03	1.13	1.17	0.80	1.03	0.7	0.96	-1.65	0.86
A011761_01	At3g05000	unknown protein; protein id: A	0	-0.80	-0.73	-0.91	-0.87	-1.07	-1.11	0.8	0.96	2.73	-0.57
A011763_01	At3g14990	4-methyl-5(b-hydroxyethyl)-th	0	1.26	1.29	1.22	0.97	0.94	0.97	0.7	0.96	-1.25	1.58
A011766_01	At3g23750	receptor-like kinase, putative;	0	0.01	-0.02	-0.46	-0.97	-1.23	-1.11	1.1	0.14	2.24	1.25
A011767_01	At3g13550	E2, ubiquitin-conjugating enzy	0	0.73	0.97	0.99	1.11	1.23	1.30	1.3	0.06	-2.06	-0.02
A011770_01	At3g03890	auxin-regulated protein; prote	0	0.53	0.72	0.73	0.78	0.85	1.03	0.7	1.61	-2.05	0.00
A011772_01	At3g49240	putative protein; protein id: At	0	-1.05	-0.97	-0.86	-1.42	-1.68	-1.39	1.9	0.06	2.59	-0.22
A011777_01	At3g13445	transcription initiation factor T	0	1.49	1.51	1.83	1.54	1.37	0.89	0.9	0.41	-1.09	1.27
A011781_01	At3g51920	putative calmodulin; protein ic	0	1.39	1.89	2.11	2.53	2.59	2.76	1.0	0.26	-2.06	-0.19
A011784_01	At3g04790	putative ribose 5-phosphate is	0	-0.44	-0.26	-0.36	-0.55	-0.78	-1.04	0.8	0.48	2.42	0.39
A011788_01	At3g21360	unknown protein; protein id: A	0	0.32	0.40	0.62	1.08	1.32	1.11	0.8	0.48	-1.77	-1.16
A011807_01	At3g03150	expressed protein; protein id:	0	0.91	0.72	0.83	1.30	0.94	0.65	0.7	1.61	-1.46	0.57
A011808_01	At3g56130	putative protein; protein id: At	0	-0.43	-0.83	-1.11	-1.97	-1.84	NA	0.6	4.47	NA	NA
A011810_01	At3g04720	hevein-like protein precursor	0	2.52	2.65	2.08	1.86	1.73	0.78	1.2	0.06	-0.58	1.85
A011811_01	At3g19710	branched-chain amino acid ai	0	0.38	1.69	3.53	3.78	4.13	5.77	1.1	0.14	-1.80	-1.24
A011814_01	At3g52930	fructose bisphosphate aldolas	0	-0.44	-0.54	-0.68	-1.27	-1.61	-1.32	0.7	1.61	2.55	0.65
A011819_01	At3g61890	homeobox-leucine zipper proi	0	2.21	2.13	2.50	2.32	2.33	2.75	0.9	0.37	-1.91	0.62
A011820_01	At3g56360	putative protein; protein id: At	0	1.39	1.55	1.66	1.93	1.82	2.18	0.8	0.48	-2.00	0.11
A011831_01	At3g51130	putative protein; protein id: At	0	1.16	1.02	0.96	0.94	0.90	1.36	0.9	0.31	-1.66	0.88
A011854_01	At3g45640	mitogen-activated protein kin	0	1.08	1.37	1.21	1.25	1.04	1.19	0.7	0.96	-1.65	1.06
A011858_01	At3g54080	putative protein; protein id: At	0	-0.68	-0.83	-0.78	-1.08	-1.28	-1.36	1.2	0.06	2.78	-0.04
A011861_01	At3g54820	aquaporin/MIP - like protein; p	0	-1.72	-2.19	-2.09	-2.51	-2.51	-2.61	1.2	0.06	2.76	-0.68
A011862_01	At3g54140	peptide transport - like proteir	0	1.52	2.09	2.13	2.23	2.24	2.43	2.0	0.06	-1.99	0.30

A011864_01	At3g54200	putative protein; protein id: At	0	0.49	1.26	1.50	1.24	0.74	1.40	0.8	0.55	-1.48	0.28
A011870_01	At3g48430	similar to zinc finger protein -	0	-0.38	-0.38	-0.37	-0.33	-1.25	-0.03	0.8	0.55	1.38	-0.22
A011872_01	At3g61520	putative protein; protein id: At	0	-1.40	-0.98	-0.86	-1.09	-1.04	-1.23	0.7	1.61	2.25	-1.42
A011875_01	At3g57690	arabinogalactan-protein, puta	0	0.40	0.64	0.85	0.88	1.21	1.43	0.9	0.37	-1.95	-0.77
A011896_01	At3g07820	polygalacturonase, putative; p	0	0.40	0.74	1.25	1.24	1.55	2.13	1.4	0.06	-1.86	-0.95
A011912_01	At3g45300	isovaleryl-CoA-dehydrogenas	0	2.96	2.55	2.40	2.17	2.27	2.36	0.8	0.48	-1.41	1.39
A011932_01	At3g61930	hypothetical protein; protein ic	0	2.07	1.86	1.41	0.52	1.48	2.63	0.9	0.41	-0.93	0.68
A011935_01	At3g62460	putative protein; protein id: At	0	-0.55	-0.69	-0.56	-1.13	-0.90	-1.16	0.8	0.81	2.68	0.02
A011949_01	At3g57150	putative protein; protein id: At	0	-0.76	-0.96	-0.94	-1.69	-1.82	-1.88	0.8	0.55	2.73	0.31
A011957_01	At3g06210	hypothetical protein; protein ic	0	1.27	1.14	0.99	0.76	0.33	1.02	0.7	2.21	-0.72	1.77
A011963_01	At3g27960	hypothetical protein; protein ic	0	0.80	1.59	1.59	2.38	1.50	1.33	0.7	1.20	-1.54	0.13
A011976_01	At3g10910	putative RING zinc finger prot	0	1.09	1.36	1.91	2.14	1.99	2.40	1.2	0.06	-2.03	-0.33
A011986_01	xxxx	b/t hypothetical protein At3g1:	0	-0.49	-0.85	-0.87	-1.13	-0.98	-1.21	0.7	1.20	2.77	-0.15
A011988_01	At3g17465	ribosomal protein L3; protein	0	-0.53	-0.78	-0.76	-1.21	-1.43	-1.59	1.4	0.06	2.71	0.39
A012001_01	At3g06780	expressed protein; protein id:	0	1.02	1.27	1.23	1.37	1.21	1.48	0.8	0.66	-1.95	0.44
A012008_01	At3g02710	unknown protein; protein id: A	0	-0.73	-0.75	-0.80	-0.89	-1.06	-0.93	0.9	0.27	2.70	-0.70
A012021_01	At3g02630	putative stearyl-acyl carrier p	0	-0.84	-0.91	-0.71	-0.52	-0.70	-1.05	1.0	0.26	2.23	-1.45
A012028_01	At3g16370	putative APG protein; protein	0	-0.80	-0.84	-1.09	-1.58	-2.63	-2.91	1.3	0.06	2.47	0.68
A012030_01	At3g02480	expressed protein; protein id:	0	0.62	0.76	0.99	1.15	0.91	1.45	0.7	2.21	-1.97	-0.29
A012039_01	At3g02560	putative 40S ribosomal protei	0	-0.47	-1.06	-1.08	-1.75	-1.90	-1.70	1.0	0.20	2.70	0.42
A012049_01	At3g02875	IAA-amino acid hydrolase (ILL	0	0.52	0.80	1.18	1.14	1.41	2.66	1.9	0.06	-1.68	-0.90
A012076_01	At3g50950	disease resistance protein (C	0	0.56	0.89	0.73	0.67	0.70	0.57	0.7	0.96	-1.33	1.06
A012080_01	At3g12610	DNA-damage-repair/tolerator	0	-0.65	-1.01	-1.15	-1.92	-2.62	-3.07	1.0	0.16	2.58	0.71
A012085_01	At3g16940	calmodulin-binding protein; pr	0	0.67	0.93	1.05	1.14	1.03	1.26	1.0	0.16	-2.03	0.06
A012093_01	At3g07230	putative wound-induced basic	0	-1.02	-0.92	-0.79	-0.95	-0.98	-1.03	0.8	0.96	2.52	-1.28
A012104_01	At3g25165	expressed protein; protein id:	0	0.36	0.80	1.22	1.19	1.30	1.70	0.8	0.81	-1.91	-0.73
A012113_01	At3g02750	protein phosphatase 2C (PP2	0	0.34	0.68	1.02	1.24	1.15	1.54	0.8	0.55	-1.94	-0.88
A012115_01	At3g18680	uridylyate kinase, putative; pro	0	-1.03	-1.41	-1.36	-1.28	-1.40	-1.83	1.0	0.26	2.70	-0.73
A012116_01	At3g12520	sulphate transporter, putative	0	-0.68	-0.75	-0.06	0.43	0.85	1.51	1.1	0.10	-0.88	-2.09
A012119_01	At3g47420	putative protein; protein id: At	0	-0.46	-0.01	0.48	0.54	0.89	1.86	0.9	0.31	-1.28	-1.70
A012123_01	At3g18773	pseudogene, unknown protei	0	1.19	1.60	1.58	1.63	1.44	1.02	1.3	0.06	-1.50	0.95
A012131_01	At3g05560	putative 60S ribosomal protei	0	-0.84	-1.10	-1.08	-1.58	-1.80	-1.86	1.3	0.06	2.79	0.09
A012144_01	xxxx	b/t expressed protein; protein	0	0.55	0.65	0.75	0.68	0.33	1.03	0.7	1.61	-1.50	0.49
A012155_01	At3g03990	expressed protein; protein id:	0	1.15	0.99	0.77	0.43	0.39	0.73	0.7	2.21	-0.46	1.97
A012159_01	At3g09950	hypothetical protein; protein ic	0	1.20	0.90	0.64	0.35	-1.09	-0.81	0.8	0.48	1.24	1.82
A012167_01	At3g62120	multifunctional aminoacyl-tRN	0	-0.81	-0.87	-0.85	-0.98	-0.86	-1.09	1.0	0.20	2.69	-0.92
A012168_01	At3g01320	unknown protein; protein id: A	0	0.44	0.54	0.59	0.78	0.40	1.05	0.7	1.20	-1.70	-0.09
A012185_01	At3g51160	GDP-D-mannose-4,6-dehydr	0	-0.43	-0.19	-0.40	-0.79	-1.37	-0.77	1.1	0.14	2.20	0.64
A012186_01	At3g02130	leucine-rich repeat transmem	0	0.37	0.67	0.79	0.89	0.85	1.19	0.6	4.47	-2.00	-0.51
A012203_01	At3g14930	uroporphyrinogen decarboxyl	0	-0.30	-0.58	-0.75	-0.62	-0.78	-1.26	0.6	4.47	2.58	0.18
A012214_01	At3g61470	light-harvesting chlorophyll a/l	0	0.55	0.92	0.85	1.13	1.13	0.83	0.8	0.81	-1.87	0.07
A012215_01	At3g06483	putative pyruvate dehydrogen	0	0.45	0.74	0.70	1.02	1.01	0.63	0.8	0.55	-1.77	-0.09
A012247_01	At3g25040	ER lumen retaining receptor (	0	-0.49	-0.65	-0.72	-0.74	-1.05	-1.01	0.8	0.66	2.77	-0.05
A012251_01	At3g18240	expressed protein; protein id:	0	-1.61	-1.68	-1.48	-1.67	-1.82	-1.90	1.0	0.16	2.65	-1.08

A012256_01	At3g10320	unknown protein; protein id: A	0	1.88	1.68	2.02	1.85	2.29	3.27	0.9	0.26	-1.83	-0.06
A012257_01	At3g10340	putative phenylalanine ammo	0	-0.50	0.32	1.43	3.39	2.94	2.43	1.0	0.26	-1.49	-1.54
A012259_01	At3g07540	expressed protein; protein id:	0	-0.66	-1.32	-1.94	-2.82	-3.25	-3.40	0.6	2.21	2.66	0.67
A012264_01	At3g08990	Yippee-like protein; protein id	0	-0.90	-1.06	-0.83	-0.76	-0.75	-0.96	0.8	0.55	2.22	-1.70
A012275_01	At3g07700	expressed protein; protein id:	0	1.08	1.65	1.58	1.68	1.99	2.45	1.5	0.06	-2.01	-0.10
A012283_01	At3g22560	hypothetical protein; protein ic	0	1.16	1.47	1.67	2.12	2.09	1.87	1.0	0.20	-2.01	-0.13
A012309_01	At3g28500	acidic ribosomal protein P2b (	0	-0.64	-0.81	-0.83	-1.27	-1.60	-1.59	1.1	0.10	2.74	0.29
A012311_01	At3g05590	putative 60S ribosomal protei	0	-0.78	-0.76	-0.69	-1.27	-1.41	-1.07	1.3	0.06	2.64	-0.13
A012324_01	At3g56070	peptidylprolyl isomerase; prot	0	-1.24	-1.64	-1.37	-2.29	-2.68	-2.76	1.6	0.06	2.77	0.11
A012331_01	At3g16240	delta tonoplast integral protein	0	-0.03	-0.57	-0.96	-2.90	-3.18	-2.78	1.7	0.06	2.38	1.10
A012337_01	At3g45050	putative protein; protein id: At	0	-0.41	-0.52	-0.54	-0.38	-0.57	-1.02	0.8	0.96	2.43	-0.34
A012360_01	At3g11310	hypothetical protein; protein ic	0	0.69	1.06	0.95	1.09	1.11	0.99	0.9	0.37	-1.91	0.39
A012367_01	At3g21650	B regulatory subunit of PP2A,	0	0.92	1.07	0.98	0.95	0.90	1.38	1.0	0.16	-1.82	0.64
A012369_01	At3g44240	CCR4-associated factor 1-like	0	2.63	1.51	0.78	1.49	0.98	0.61	0.8	0.81	-0.15	1.77
A012371_01	At3g55760	putative protein; protein id: At	0	-0.13	-0.56	-0.73	-0.88	-1.07	-1.47	0.8	0.66	2.58	0.69
A012372_01	At3g15530	expressed protein; protein id:	0	0.32	0.55	0.19	-0.73	-1.23	-0.77	1.8	0.06	1.64	1.57
A012375_01	At3g12680	hypothetical protein; protein ic	0	0.61	0.74	0.88	0.98	0.86	1.16	1.0	0.16	-2.02	0.00
A012379_01	At3g16110	putative protein disulfide isom	0	1.29	1.40	1.48	1.63	1.33	1.47	1.0	0.26	-1.83	0.75
A012382_01	At3g55690	putative protein; protein id: At	0	-0.61	-0.79	-0.75	-1.17	-1.41	-0.94	0.8	0.81	2.62	-0.07
A012385_01	At3g06040	hypothetical protein; protein ic	0	1.21	0.90	0.90	1.14	1.14	1.02	1.2	0.06	-1.65	0.85
A012398_01	At3g11650	hairpin-induced protein, putat	0	0.26	0.39	0.68	1.01	1.09	1.22	1.1	0.14	-1.84	-1.18
A012404_01	At3g12900	hypothetical protein; protein ic	0	0.81	0.83	0.74	0.97	1.20	0.66	0.7	0.96	-1.63	0.44
A012421_01	At3g19500	expressed protein; protein id:	0	1.06	1.18	1.18	1.26	1.26	1.57	1.0	0.18	-1.99	0.37
A012429_01	At3g29690	hypothetical protein; protein ic	0	-1.46	-3.19	-1.91	-3.78	-3.08	-3.71	1.2	0.06	2.69	-0.32
A012430_01	At3g59270	putative protein; protein id: At	0	3.26	3.18	2.92	2.92	2.27	1.59	1.0	0.18	-0.97	1.67
A012449_01	At3g23620	expressed protein; protein id:	0	-0.35	-0.60	-0.62	-1.38	-1.07	-1.46	0.6	4.47	2.56	0.58
A012454_01	At3g50070	cyclin D3;3; protein id: At3g50	0	-0.77	-1.33	-1.37	-1.85	-1.90	-1.91	1.6	0.06	2.77	-0.02
A012458_01	At3g04120	glyceraldehyde-3-phosphate (	0	-1.23	-1.14	-0.96	-1.31	-1.51	-0.73	0.7	1.61	2.14	-1.22
A012467_01	At3g21230	putative 4-coumarate:CoA lig	0	0.44	1.26	2.03	2.95	2.67	2.38	0.8	0.48	-1.80	-0.91
A012468_01	At3g53810	serine/threonine-specific kina	0	0.77	1.00	0.99	1.15	1.21	1.60	0.7	1.20	-2.03	-0.12
A012479_01	At3g13230	expressed protein; protein id:	0	-0.86	-0.92	-0.81	-1.64	-1.50	-1.47	0.9	0.31	2.61	0.03
A012493_01	At3g50100	exonuclease, putative; proteir	0	-0.83	-1.29	-1.26	-1.43	-1.58	-1.60	1.0	0.16	2.80	-0.35
A012502_01	At3g07870	F-box protein family; protein i	0	1.58	1.64	1.81	1.90	1.79	1.71	1.4	0.06	-1.86	0.69
A012518_01	At3g60570	expansin family; protein id: At	0	0.39	0.70	0.95	0.93	1.03	1.37	1.2	0.06	-1.96	-0.59
A012526_01	At3g07770	putative heat-shock protein; p	0	-1.47	-1.15	-0.87	-1.39	-1.21	-1.35	2.0	0.06	2.32	-1.21
A012572_01	At3g06510	glycosyl hydrolase family 1; p	0	1.04	1.10	1.09	1.57	1.70	1.80	1.6	0.06	-2.03	-0.25
A012578_01	At3g25920	50S ribosomal protein L15, cl	0	-0.55	-1.03	-1.23	-1.19	-1.42	-2.00	0.6	4.47	2.69	0.15
A012581_01	At3g02550	expressed protein; protein id:	0	-0.92	-2.21	-1.14	-3.23	-2.60	-2.79	1.1	0.14	2.67	-0.01
A012590_01	At3g55280	ribosomal L23a - like protein;	0	-0.74	-0.93	-0.88	-1.58	-1.97	-1.79	1.7	0.06	2.67	0.37
A012595_01	At3g62640	putative protein; protein id: At	0	0.18	0.33	0.76	0.95	0.90	1.38	0.7	1.61	-1.79	-1.16
A012633_01	At3g16870	GATA zinc finger protein; proi	0	-0.11	-0.13	-0.27	-0.92	-1.17	-1.05	0.9	0.41	2.34	1.10
A012640_01	At3g54470	similar to UMP synthase {Ara	0	-1.06	-1.15	-1.01	-1.71	-1.57	-1.71	0.8	0.48	2.74	-0.27
A012641_01	At3g25660	glutamyl-tRNA amidotransfer;	0	-0.44	-0.65	-0.86	-1.05	-0.97	-1.16	0.7	1.61	2.78	0.09
A012646_01	At3g44670	disease resistance protein RF	0	0.92	1.29	1.07	0.80	0.65	0.99	0.6	2.21	-1.17	1.43

A012651_01	At3g58490	putative protein; protein id: At	0	0.56	0.63	0.78	1.01	1.14	1.23	1.2	0.06	-2.02	-0.56
A012654_01	At3g23940	dihydroxyacid dehydratase, p	0	-1.17	-1.47	-1.49	-2.23	-2.32	-2.47	1.0	0.18	2.80	0.03
A012655_01	At3g23970	hypothetical protein; protein ic	0	1.99	2.23	1.95	2.02	2.11	1.58	1.9	0.06	-1.53	1.17
A012665_01	At3g62880	putative protein; protein id: At	0	0.51	0.73	0.80	0.94	1.03	1.08	0.6	2.21	-2.06	-0.33
A012672_01	At3g52800	zinc finger - like protein; prote	0	1.08	1.47	1.65	1.76	1.60	1.93	1.1	0.10	-2.01	0.14
A012678_01	At3g15510	putative jasmonic acid regula	0	0.37	1.52	2.82	3.33	3.38	3.94	2.3	0.06	-1.86	-1.13
A012685_01	At3g50830	putative cold acclimation prot	0	0.71	1.12	1.01	1.10	1.26	1.44	1.3	0.06	-2.03	0.02
A012694_01	At3g26580	unknown protein; protein id: A	0	1.44	1.44	1.53	1.62	1.35	1.46	0.7	1.20	-1.76	0.90
A012695_01	At3g62260	protein phosphatase 2C (PP2	0	1.47	1.76	1.77	1.46	1.38	1.83	1.0	0.16	-1.69	0.99
A012700_01	At3g52500	expressed protein; protein id:	0	-0.99	-1.27	-1.49	-1.83	-2.19	-2.29	1.1	0.10	2.79	0.11
A012705_01	At3g52240	hypothetical protein; protein ic	0	0.88	0.74	0.73	0.61	1.00	0.61	0.6	4.47	-1.38	1.01
A012707_01	At3g51000	epoxide hydrolase-like proteir	0	0.90	0.71	0.87	1.44	1.22	0.92	0.7	1.20	-1.74	0.06
A012722_01	At3g53410	putative protein; protein id: At	0	0.50	0.50	0.81	1.09	1.12	1.04	0.9	0.31	-1.96	-0.67
A012724_01	At3g53350	putative protein; protein id: At	0	0.17	0.71	0.70	1.35	0.93	1.29	0.7	2.21	-1.83	-0.83
A012732_01	At3g06810	acetyl-coA dehydrogenase, pi	0	1.26	1.16	1.19	1.08	1.31	2.36	1.4	0.06	-1.68	0.04
A012738_01	At3g26890	expressed protein; protein id:	0	0.90	1.04	0.93	1.01	0.96	1.14	1.0	0.20	-1.88	0.72
A012741_01	At3g10500	expressed protein; protein id:	0	0.92	1.27	1.34	1.56	1.48	1.62	1.1	0.14	-2.04	0.05
A012748_01	At3g48580	xyloglucan endotransglycosyl	0	1.48	0.90	-0.19	-2.12	-2.57	-1.83	1.2	0.06	1.88	1.63
A012749_01	At3g59060	putative protein; protein id: At	0	1.60	1.94	2.23	2.53	2.59	2.49	1.4	0.06	-2.03	0.05
A012752_01	At3g54090	fructokinase - like protein; prc	0	-1.59	-1.45	-1.45	-1.44	-1.47	-2.10	0.8	0.55	2.56	-1.01
A012754_01	At3g13750	glycosyl hydrolase family 35 (	0	2.17	2.34	2.32	2.05	1.57	2.47	0.8	0.66	-1.57	1.15
A012770_01	At3g55980	putative protein; protein id: At	0	0.93	1.42	1.37	1.29	1.12	1.22	0.9	0.31	-1.59	0.83
A012771_01	At3g58750	citrate synthase -like protein;	0	1.09	1.02	0.85	0.84	0.96	1.16	1.0	0.14	-1.63	0.96
A012773_01	At3g18080	glycosyl hydrolase family 1; p	0	-0.62	-0.67	-0.95	-1.00	-1.75	-2.16	0.9	0.31	2.51	0.53
A012796_01	At3g61820	putative protein; protein id: At	0	-1.08	-1.55	-1.61	-2.39	-2.75	-2.66	0.9	0.37	2.77	0.22
A012797_01	At3g27110	expressed protein; protein id:	0	1.08	1.69	1.72	2.00	2.33	2.44	1.5	0.06	-2.05	-0.27
A012810_01	At3g56240	copper homeostasis factor; pi	0	0.50	1.33	1.89	2.96	2.79	2.90	1.0	0.16	-1.88	-1.01
A012811_01	At3g11670	digalactosyldiacylglycerol syn	0	0.02	0.35	0.56	0.92	1.08	1.14	1.0	0.18	-1.77	-1.38
A012812_01	At3g47950	H+-transporting ATPase - like	0	2.80	2.16	1.94	0.79	1.72	2.41	0.6	4.47	-0.87	1.34
A012813_01	At3g19820	cell elongation protein, Dwarf	0	-0.44	-1.33	-1.58	-2.03	-2.72	-3.06	1.1	0.10	2.64	0.64
A012835_01	At3g17510	expressed protein; protein id:	0	0.50	0.75	0.79	0.98	1.06	1.08	0.9	0.37	-2.04	-0.39
A012844_01	At3g04920	putative ribosomal protein s18	0	-0.51	-0.82	-0.84	-1.38	-1.78	-1.82	0.9	0.37	2.64	0.57
A012847_01	At3g15810	expressed protein; protein id:	0	1.29	1.77	1.85	1.79	1.73	1.89	1.6	0.06	-1.89	0.53
A012860_01	At4g37930	glycine hydroxymethyltransfer	0	0.70	1.20	1.13	1.42	1.36	1.53	0.9	0.41	-2.03	-0.11
A012862_01	At4g26900	glutamine amidotransferase/c	0	-0.77	-0.98	-0.93	-1.30	-1.00	-1.46	1.0	0.16	2.74	-0.41
A012865_01	At4g19420	pectinacetylerase family; p	0	2.56	3.57	3.94	3.93	4.01	4.84	2.7	0.06	-2.02	0.09
A012872_01	At4g23990	cellulose synthase catalytic su	0	-1.12	-0.36	0.64	1.92	2.29	2.59	1.1	0.14	-1.30	-1.98
A012880_01	At4g11650	osmotin precursor; protein id:	0	2.24	3.11	2.53	1.45	0.59	0.65	0.7	1.20	-0.05	2.00
A012883_01	At4g37870	phosphoenolpyruvate carboxyl	0	-0.21	-0.61	-0.88	-1.39	-1.58	-1.42	0.8	0.96	2.60	0.76
A012888_01	At4g15550	glucosyltransferase like prote	0	0.65	1.01	1.44	1.82	2.06	2.15	1.4	0.06	-1.95	-0.91
A012889_01	At4g13540	putative protein; protein id: At	0	0.75	-0.26	-0.81	-2.39	-3.37	-2.50	0.9	0.41	2.23	1.29
A012890_01	At4g08900	arginase; protein id: At4g0890	0	-0.24	-0.08	0.36	0.50	0.83	1.12	0.8	0.81	-1.37	-1.82
A012897_01	At4g18930	putative protein; protein id: At	0	-0.16	-0.07	0.13	0.88	1.04	0.54	0.8	0.66	-1.23	-1.74
A012899_01	At4g09800	S18.A ribosomal protein; prot	0	-0.26	-0.73	-0.59	-0.88	-1.03	-1.18	1.0	0.18	2.73	0.28

A012919_01	At4g32020	putative protein; protein id: At	0	0.87	1.09	1.24	1.20	0.76	1.36	0.6	4.47	-1.68	0.63
A012934_01	At4g08920	Arabidopsis thaliana flavin-tyr	0	0.96	1.36	1.52	1.58	1.54	1.91	1.3	0.06	-2.03	0.01
A012940_01	At4g10060	putative protein; protein id: At	0	0.94	1.54	1.63	2.05	2.38	2.27	1.0	0.20	-2.04	-0.45
A012944_01	At4g32070	putative protein; protein id: At	0	1.10	1.17	1.15	0.96	0.87	1.70	1.5	0.06	-1.64	0.67
A012959_01	At4g14710	expressed protein; protein id:	0	0.56	0.80	0.93	1.04	0.86	1.22	0.8	0.81	-2.01	-0.13
A012964_01	At4g19510	disease resistance protein (Tl	0	1.03	1.32	1.14	1.33	1.00	1.24	1.1	0.14	-1.73	0.90
A012966_01	At4g20070	hyuC-like protein; protein id: /	0	0.66	0.87	1.14	1.63	1.98	1.99	0.9	0.27	-1.95	-0.90
A012982_01	At4g28550	putative protein; protein id: At	0	-0.02	-0.12	-0.46	-0.60	-1.15	-0.41	0.7	1.61	2.04	0.88
A012986_01	At4g28085	expressed protein; protein id:	0	0.55	1.53	2.30	2.67	3.11	3.38	3.3	0.06	-1.92	-1.03
A013000_01	At4g34350	putative protein; protein id: At	0	1.39	1.60	1.73	1.68	1.48	2.16	0.8	0.96	-1.91	0.47
A013004_01	At4g18580	expressed protein; protein id:	0	0.49	0.74	1.04	1.29	1.43	1.67	0.8	0.48	-1.98	-0.85
A013032_01	At4g24020	putative protein; protein id: At	0	0.99	1.08	1.03	0.96	0.90	1.38	1.1	0.10	-1.78	0.74
A013034_01	At4g10910	expressed protein; protein id:	0	2.43	1.32	0.60	1.25	0.76	0.31	1.1	0.10	0.10	1.81
A013036_01	At4g38430	putative protein; protein id: At	0	-0.25	-0.56	-0.74	-0.85	-0.95	-1.44	0.8	0.48	2.62	0.50
A013044_01	At4g23890	putative protein; protein id: At	0	1.17	1.25	1.32	1.42	1.11	1.14	0.8	0.66	-1.69	0.97
A013046_01	At4g21560	putative protein; protein id: At	0	1.02	0.88	0.75	0.86	0.71	0.74	0.9	0.41	-1.33	1.46
A013047_01	At4g35630	phosphoserine aminotransfer	0	-0.63	-0.80	-0.81	-1.24	-1.56	-1.09	0.8	0.81	2.64	0.09
A013050_01	At4g01026	expressed protein; protein id:	0	0.85	0.96	0.87	0.96	0.94	1.17	0.8	0.48	-1.93	0.55
A013063_01	At4g18530	putative protein; protein id: At	0	0.38	0.40	0.76	1.04	1.13	1.27	0.9	0.31	-1.87	-1.05
A013086_01	At4g21580	putative NADPH quinone oxic	0	1.33	0.95	0.82	1.02	1.04	0.93	1.1	0.10	-1.36	1.22
A013087_01	At4g22670	HSP associated protein like; p	0	-0.06	-0.34	-0.45	-0.79	-1.05	-1.20	0.7	2.21	2.51	0.95
A013095_01	At4g02520	glutathione transferase, putat	0	3.46	3.47	3.13	3.31	2.64	1.88	1.0	0.16	-1.10	1.55
A013105_01	At4g38260	putative protein; protein id: At	0	0.30	0.48	0.92	0.92	1.08	0.95	0.9	0.27	-1.89	-0.75
A013107_01	At4g12980	putative protein; protein id: At	0	0.47	0.74	0.99	1.43	1.22	1.22	0.6	4.47	-1.95	-0.61
A013109_01	At4g36030	A.t. DNA chromosome 4, BAC	0	0.68	1.06	0.90	1.01	0.91	0.79	1.0	0.20	-1.68	0.78
A013119_01	At4g31700	ribosomal protein S6 - like; pr	0	-0.71	-1.03	-1.17	-2.02	-2.52	-2.13	0.9	0.37	2.63	0.55
A013142_01	At4g24120	putative protein; protein id: At	0	0.70	1.19	1.34	1.46	1.65	2.23	1.3	0.06	-1.99	-0.53
A013164_01	At4g16720	ribosomal protein; protein id: ,	0	-0.60	-0.78	-0.78	-1.18	-1.14	-1.18	0.8	0.66	2.79	-0.05
A013188_01	At4g08950	putative phi-1-like phosphate-	0	0.11	0.10	-0.62	-2.16	-2.70	-2.55	1.1	0.14	2.21	1.31
A013240_01	At4g10920	putative protein; protein id: At	0	2.16	1.75	1.61	1.75	1.52	1.64	1.7	0.06	-1.38	1.38
A013246_01	At4g25890	putative acidic ribosomal prot	0	-1.05	-1.19	-1.13	-2.34	-1.81	-1.78	1.0	0.26	2.65	-0.06
A013249_01	At4g21810	putative protein; protein id: At	0	0.48	0.59	0.65	0.92	1.05	0.98	0.8	0.48	-2.01	-0.53
A013260_01	At4g10330	hypothetical protein; protein ic	0	0.59	0.86	0.83	1.03	1.15	1.21	0.6	4.47	-2.06	-0.24
A013299_01	At4g39880	putative protein; protein id: At	0	-0.65	-0.77	-0.75	-1.11	-1.44	-1.15	1.5	0.06	2.73	0.01
A013416_01	At4g37910	glycine hydroxymethyltransfer	0	-1.24	-0.96	-0.91	-1.64	-1.63	-1.46	1.1	0.10	2.50	-0.33
A013417_01	At4g32480	putative protein; protein id: At	0	1.80	1.34	1.08	-0.47	-0.81	-0.84	0.7	2.21	1.27	2.03
A013429_01	At4g01330	putative protein kinase; protei	0	1.51	1.27	0.94	0.37	-0.08	-0.04	0.8	0.48	0.65	2.20
A013435_01	At4g01600	putative ABA-repsponsive prot	0	1.34	2.17	2.00	1.90	1.64	2.14	1.0	0.16	-1.78	0.67
A013468_01	At4g03410	hypothetical protein; protein ic	0	1.16	1.53	1.73	1.97	1.75	1.98	1.3	0.06	-2.03	0.09
A013470_01	At4g03560	putative calcium channel; pro	0	1.38	1.78	2.00	2.17	2.39	2.36	1.5	0.06	-2.06	-0.03
A013488_01	At4g04890	homeodomain protein, Protoc	0	-0.45	-0.65	-0.72	-1.05	-1.38	-1.43	1.0	0.18	2.70	0.46
A013535_01	At4g14020	expressed protein; protein id:	0	2.17	3.27	3.47	4.06	3.84	4.58	1.3	0.06	-2.06	-0.14
A013537_01	At4g14270	expressed protein; protein id:	0	1.78	1.51	1.35	1.19	0.83	0.66	0.8	0.66	-0.52	1.98
A013554_01	not annotated	Chr4 C/7628038-7628107	0	-2.07	-2.13	-2.49	-3.53	-3.81	-3.17	0.7	2.21	2.70	-0.08

A013559_01	At4g15620	hypothetical protein; protein ic	0	0.92	1.47	2.22	2.76	2.83	2.89	1.9	0.06	-1.99	-0.80
A013560_01	At4g15630	expressed protein; protein id:	0	0.96	1.49	1.89	2.14	1.81	1.85	1.4	0.06	-1.91	-0.06
A013561_01	At4g15640	hypothetical protein; protein ic	0	-1.52	-1.61	-1.64	-2.61	-2.18	-2.52	0.9	0.31	2.76	-0.29
A013586_01	At4g17070	expressed protein; protein id:	0	0.39	0.87	0.94	1.10	1.41	1.30	1.1	0.10	-1.98	-0.65
A013605_01	At4g28290	putative protein; protein id: At	0	0.95	1.26	1.41	1.45	1.61	1.50	1.1	0.14	-2.00	0.14
A013606_01	At4g28660	photosystem II protein W - lik	0	-0.72	-0.85	-1.01	-1.24	-1.25	-1.67	0.7	0.96	2.78	-0.01
A013614_01	At4g30500	putative protein; protein id: At	0	-0.55	-0.98	-0.76	-1.06	-1.30	-1.15	0.8	0.66	2.72	-0.28
A013619_01	At4g31110	WAK-like kinase (WLK); prote	0	0.92	0.99	1.00	1.10	0.98	1.00	0.8	0.55	-1.84	0.77
A013625_01	At4g36420	ribosomal protein; protein id: .	0	-0.72	-0.74	-0.70	-1.02	-1.21	-1.20	1.4	0.06	2.77	-0.16
A013627_01	At4g36490	expressed protein; protein id:	0	0.42	0.85	1.33	1.30	1.47	1.95	0.9	0.37	-1.94	-0.84
A013632_01	At4g36640	putative protein; protein id: At	0	0.49	0.91	0.77	0.66	0.75	1.13	0.7	0.96	-1.83	0.22
A013633_01	At4g36660	hypothetical protein; protein ic	0	-0.82	-1.02	-0.98	-1.09	-1.14	-1.61	1.0	0.20	2.74	-0.42
A013637_01	At4g36940	hypothetical protein; protein ic	0	-0.93	-0.85	-0.93	-0.76	-1.31	-1.41	0.6	2.21	2.59	-0.52
A013657_01	At4g12080	putative DNA-binding protein;	0	0.94	0.92	1.51	1.52	1.92	2.04	0.6	4.47	-1.99	-0.59
A013659_01	At4g10610	RNA-binding protein RBP37;	0	1.08	0.38	0.32	0.12	-0.07	-0.15	0.6	4.47	0.96	1.98
A013664_01	At4g24640	Bnm1 like protein; protein id: .	0	0.13	0.47	0.74	0.69	0.67	1.13	0.6	4.47	-1.82	-0.92
A013669_01	At4g24190	HSP90-like protein; protein id	0	-1.22	-0.96	-1.17	-1.50	-1.62	-1.78	1.2	0.06	2.70	-0.30
A013676_01	At4g35690	putative protein; protein id: At	0	3.33	3.01	2.27	1.44	0.85	0.26	1.0	0.16	0.25	2.17
A013691_01	At4g09960	MADS-box protein; protein id:	0	-0.85	-1.45	-1.32	-3.14	-3.00	-2.54	0.9	0.31	2.64	0.42
A013695_01	At4g03420	hypothetical protein; protein ic	0	0.59	1.03	1.20	1.23	1.30	1.29	1.3	0.06	-1.86	-0.07
A013697_01	At4g15610	expressed protein; protein id:	0	3.16	3.41	3.27	2.93	3.04	3.50	1.0	0.14	-1.75	1.00
A013699_01	At4g17560	putative protein; protein id: At	0	-0.22	-0.63	-0.67	-0.70	-1.19	-1.43	0.7	2.21	2.57	0.54
A013711_01	At4g15910	drought-induced protein like; j	0	-0.74	-2.44	-2.87	-3.55	-2.58	-3.06	0.8	0.48	2.58	0.02
A013714_01	At4g01610	cathepsin B-like cysteine prot	0	1.67	1.69	1.72	1.52	1.47	1.95	0.9	0.41	-1.74	0.94
A013717_01	At4g16190	cysteine proteinase; protein ic	0	1.19	1.59	2.01	1.98	2.03	2.32	0.9	0.37	-2.06	-0.09
A013719_01	At4g15530	pyruvate,orthophosphate dikin	0	1.78	2.26	2.25	2.27	2.50	3.02	1.6	0.06	-2.01	0.23
A013732_01	At4g21990	PRH26 protein; protein id: At	0	-0.56	0.03	0.88	0.69	0.75	1.92	0.9	0.31	-1.27	-1.68
A013733_01	At4g22000	expressed protein; protein id:	0	-0.24	-0.58	-0.63	-1.15	-1.59	-1.30	1.1	0.10	2.59	0.70
A013744_01	At4g22570	adenine phosphoribosyltransf	0	0.28	0.76	1.16	1.29	1.20	1.51	0.9	0.27	-1.92	-0.81
A013747_01	At4g25730	putative protein; protein id: At	0	-0.52	-0.56	-0.41	-0.80	-1.03	-0.87	0.7	2.21	2.53	0.06
A013755_01	At4g33030	sulfolipid biosynthesis protein	0	-1.40	-1.63	-1.27	-1.16	-1.19	-1.45	1.1	0.14	2.27	-1.71
A013774_01	At4g34200	phosphoglycerate dehydrogen	0	-1.48	-1.67	-1.44	-1.56	-1.87	-1.91	0.9	0.31	2.68	-0.91
A013782_01	At4g20930	3-hydroxyisobutyrate dehydro	0	1.13	0.89	0.69	0.66	0.92	1.02	0.8	0.66	-1.32	1.01
A013796_01	At4g00355	expressed protein; protein id:	0	0.60	0.78	0.99	1.22	1.10	1.28	0.8	0.55	-2.04	-0.39
A013799_01	At4g30993	expressed protein; protein id:	0	0.75	1.28	1.45	2.06	1.97	1.68	1.3	0.06	-1.95	-0.44
A013805_01	At4g21980	AtAPG8a; symbiosis-related l	0	1.54	1.55	1.53	1.71	1.62	2.00	0.9	0.31	-1.92	0.53
A013831_01	At4g29520	putative protein; protein id: At	0	-1.80	-1.51	-1.71	-2.42	-1.70	-2.33	0.9	0.31	2.61	-0.75
A013833_01	At4g01940	putative NifU-like metalloclust	0	0.22	0.40	0.68	0.93	1.06	0.90	0.9	0.41	-1.87	-1.06
A013856_01	At4g20270	leucine-rich repeat transmem	0	-0.84	-1.15	-1.06	-2.50	-2.27	-2.70	0.6	2.21	2.68	0.49
A013872_01	At4g38770	extensin - like protein; protein	0	-1.19	-1.53	-1.63	-2.10	-2.68	-2.30	0.8	0.66	2.77	-0.01
A013903_01	At4g31290	unknown protein; protein id: A	0	0.40	-0.76	-1.07	-1.96	-1.97	-1.83	1.3	0.06	2.38	1.03
A013911_01	At4g32710	putative protein kinase; protei	0	-1.24	-1.88	-2.25	-2.93	-2.38	NA	0.9	0.31	NA	NA
A013951_01	At4g04960	unknown protein; protein id: A	0	0.67	0.90	0.94	0.95	0.85	1.02	1.3	0.06	-1.90	0.49
A013980_01	At4g35290	putative protein; protein id: At	0	0.41	0.78	0.94	1.07	1.24	1.09	0.9	0.26	-1.98	-0.50

A013989_01	At5g45775	expressed protein; protein id:	0	-0.57	-1.03	-0.94	-1.68	-1.79	-1.84	1.4	0.06	2.73	0.39
A013995_01	At4g24230	putative protein; protein id: At	0	1.97	1.30	0.90	0.37	0.74	0.09	1.4	0.06	0.36	2.06
A013998_01	At4g39620	putative protein; protein id: At	0	-0.41	-0.58	-0.73	-0.81	-0.86	-1.12	1.0	0.16	2.77	0.08
A014017_01	At4g10380	major intrinsic protein (MIP) -	0	-0.97	-0.46	0.53	1.24	1.56	2.27	1.7	0.06	-1.21	-2.02
A014031_01	At4g26700	fimbrin-like protein (ATFIM1);	0	1.13	1.32	1.20	1.31	1.50	1.47	1.3	0.06	-1.96	0.45
A014040_01	At4g11320	cysteine proteinase; protein ic	0	-3.89	-4.48	-3.54	-4.54	-4.33	-5.08	1.2	0.06	2.65	-1.08
A014046_01	At4g25000	alpha-amylase - like protein; p	0	1.30	1.69	1.74	1.79	1.98	2.10	1.2	0.06	-2.03	0.20
A014056_01	At4g30210	NADPH-ferrihemoprotein redi	0	0.33	0.80	0.99	1.17	1.09	1.04	0.9	0.27	-1.92	-0.47
A014066_01	At4g23880	hypothetical protein; protein ic	0	2.24	1.89	1.90	1.88	1.65	1.59	0.9	0.48	-1.35	1.40
A014068_01	At4g23870	putative protein	0	1.27	-0.05	-0.31	-0.72	-1.25	-1.49	0.9	0.48	1.91	1.45
A014072_01	At4g16520	AtAPG8f; symbiosis-related li	0	1.16	1.17	1.15	1.38	1.35	1.35	1.1	0.10	-1.92	0.53
A014075_01	At4g00490	glycosyl hydrolase family 14 (	0	-0.71	-0.81	-1.11	-1.43	-1.42	-1.61	1.1	0.14	2.78	0.17
A014086_01	At4g27900	putative protein; protein id: At	0	-0.97	-1.69	-0.98	-1.19	-1.33	-1.25	1.7	0.06	2.37	-1.30
A014097_01	At4g22920	expressed protein; protein id:	0	2.19	2.41	2.48	2.48	2.41	3.51	1.4	0.06	-1.93	0.37
A014115_01	At4g28040	Medicago nodulin N21-like pr	0	2.70	2.71	2.27	1.11	1.32	0.96	0.7	1.61	-0.27	2.10
A014124_01	At4g27800	protein phosphatase homolog	0	0.72	0.93	1.03	1.23	1.07	0.98	0.7	1.61	-1.92	0.26
A014126_01	At4g28025	expressed protein; protein id:	0	1.09	1.06	0.94	1.19	1.14	0.98	1.0	0.16	-1.72	0.87
A014131_01	At4g14040	selenium-binding protein like;	0	1.14	0.75	1.06	1.28	1.83	2.25	0.7	2.21	-1.63	-0.65
A014132_01	At4g38225	expressed protein; protein id:	0	0.49	0.77	0.91	1.03	1.18	1.06	0.8	0.66	-2.03	-0.36
A014136_01	At4g24750	putative protein; protein id: At	0	-0.46	-0.79	-0.73	-0.65	-0.75	-1.22	0.8	0.48	2.58	-0.41
A014139_01	At4g20130	hypothetical protein; protein ic	0	-0.53	-0.93	-0.88	-0.83	-1.03	-1.28	0.8	0.96	2.72	-0.35
A014146_01	At4g39170	SEC14 - like protein; protein i	0	-1.06	-1.13	-1.01	-1.04	-0.99	-1.14	0.8	0.96	2.48	-1.45
A014147_01	At4g36400	actin interacting protein; prote	0	1.20	1.01	0.85	0.28	0.97	0.56	0.7	0.96	-0.55	1.64
A014161_01	At4g36760	aminopeptidase-like protein; p	0	1.45	1.38	1.11	0.95	0.81	1.18	0.8	0.81	-1.12	1.68
A014165_01	At4g30790	putative protein; protein id: At	0	1.04	1.04	0.91	0.87	0.66	1.33	1.2	0.06	-1.49	0.92
A014168_01	At4g24700	hypothetical protein; protein ic	0	0.64	0.91	1.00	1.36	1.48	1.50	0.8	0.66	-2.04	-0.54
A014169_01	At4g18910	major intrinsic protein (MIP)- I	0	0.65	-0.36	-0.42	-0.79	-1.09	-1.07	1.0	0.16	2.13	1.21
A014176_01	At4g39100	ES43 like protein; protein id: /	0	0.73	0.82	0.94	1.02	1.19	1.02	0.9	0.31	-2.00	0.09
A014182_01	At4g11820	hydroxymethylglutaryl-CoA sy	0	-0.93	-1.14	-1.13	-1.22	-1.53	-1.34	1.1	0.14	2.73	-0.61
A014186_01	At4g36730	G-box-binding factor 1; protei	0	1.45	0.89	0.58	0.43	0.17	0.16	0.6	4.47	0.42	2.17
A014189_01	At4g39210	glucose-1-phosphate adenyly	0	-1.03	-0.88	-0.58	-0.08	-0.06	-0.33	0.6	2.21	0.39	-2.57
A014205_01	At4g38840	auxin-induced protein - like; p	0	0.64	0.90	0.74	0.55	0.49	-0.05	0.7	1.20	-0.09	1.56
A014208_01	At4g38890	putative protein; protein id: At	0	-0.86	-0.88	-0.80	-0.91	-0.78	-1.06	0.7	1.20	2.57	-1.18
A014213_01	At4g27090	ribosomal protein L14 -like pr	0	-0.66	-0.93	-0.90	-1.42	-1.47	-1.52	0.9	0.31	2.79	0.11
A014224_01	At4g09890	putative protein; protein id: At	0	0.71	1.31	1.72	1.77	1.60	1.88	0.8	0.55	-1.96	-0.26
A014247_01	At4g10270	probable wound-induced prot	0	-2.47	-2.96	-3.07	-2.92	-2.41	-2.09	0.8	0.81	2.22	-1.58
A014256_01	At4g10480	putative alpha NAC; protein ic	0	-0.47	-0.60	-0.68	-1.26	-1.81	-1.58	0.6	2.21	2.58	0.67
A014274_01	At4g12830	hydrolase-like protein; protein	0	1.39	2.05	2.11	2.43	2.45	2.08	1.7	0.06	-1.94	0.18
A014275_01	At4g12890	putative protein; protein id: At	0	-3.59	-4.71	-2.75	-4.74	-4.78	-5.12	1.2	0.06	2.72	-0.85
A014276_01	At4g13530	putative protein; protein id: At	0	1.51	1.59	1.51	1.43	1.04	1.70	0.7	0.96	-1.55	1.15
A014286_01	At4g27070	tryptophan synthase beta-sub	0	-0.48	-0.72	-0.73	-1.14	-1.12	-0.96	0.8	0.66	2.71	-0.07
A014293_01	At4g29780	expressed protein; protein id:	0	0.86	1.20	1.08	0.38	0.38	0.40	0.6	4.47	-0.18	1.81
A014295_01	At4g11570	putative protein; protein id: At	0	1.44	1.59	1.58	1.36	1.43	1.69	1.1	0.06	-1.75	0.96
A014304_01	At4g29110	putative protein; protein id: At	0	1.15	2.41	2.66	3.20	2.70	2.26	0.7	2.21	-1.77	-0.02

A014310_01	At4g39400	brassinosteroid insensitive 1 (	0	0.17	-0.10	-0.35	-0.90	-2.03	-1.72	1.5	0.06	2.16	1.27
A014457_01	At4g31510	putative protein; protein id: At	0	1.26	1.00	0.93	1.16	1.46	1.20	0.9	0.31	-1.70	0.49
A014463_01	At4g15940	isomerase like protein; protein	0	0.48	0.52	0.45	0.55	0.66	1.00	0.8	0.66	-1.83	-0.22
A014464_01	At4g03210	xyloglucan endotransglycosyl	0	-2.13	-3.51	-3.00	-4.76	-4.96	-4.32	1.7	0.06	2.75	-0.13
A014469_01	At4g28490	leucine-rich repeat transmem	0	1.91	2.39	2.26	2.48	2.41	3.12	1.1	0.14	-1.99	0.34
A014474_01	At4g08500	MEKK1/MAP kinase kinase k	0	0.57	0.93	0.81	0.78	0.88	1.19	0.8	0.66	-1.94	0.17
A014509_01	At4g29070	expressed protein; protein id:	0	0.83	1.10	1.30	1.03	0.50	0.99	0.7	1.61	-1.24	1.13
A014519_01	At4g04460	putative aspartic protease; pr	0	1.77	2.30	2.44	2.73	1.98	2.55	1.1	0.10	-1.85	0.53
A014526_01	At4g14930	expressed protein; protein id:	0	2.68	1.91	1.22	0.33	0.08	0.61	0.7	1.20	0.49	2.15
A014531_01	At4g18040	translation initiation factor eIF	0	-0.72	-0.77	-0.78	-1.05	-0.90	-0.99	0.9	0.31	2.73	-0.65
A014539_01	At4g16130	galactokinase like protein; pro	0	1.04	0.53	0.59	1.09	1.18	0.90	0.8	0.66	-1.55	0.13
A014544_01	At4g25880	putative pumilio protein	0	-0.02	0.16	0.59	0.71	0.85	1.11	0.7	0.96	-1.66	-1.52
A014570_01	At4g10320	isoleucine-tRNA ligase - like p	0	-0.19	-0.26	-0.42	-0.70	-1.05	-0.61	0.9	0.31	2.36	0.74
A014571_01	At4g28270	putative protein; protein id: At	0	1.23	1.56	1.82	2.19	2.29	2.05	1.1	0.14	-2.02	-0.13
A014577_01	At4g02930	mitochondrial elongation fact	0	-1.75	-1.95	-1.70	-2.40	-2.63	-2.56	1.5	0.06	2.77	-0.47
A014581_01	At4g30530	putative protein; protein id: At	0	-0.04	0.60	0.95	1.07	1.34	2.17	1.2	0.06	-1.68	-1.26
A014611_01	At4g01070	putative flavonol glucosyltrans	0	0.71	1.39	1.87	2.26	2.35	2.94	0.9	0.31	-1.98	-0.82
A014612_01	At4g13010	putative protein; protein id: At	0	0.71	1.00	1.04	1.18	1.17	1.39	0.8	0.66	-2.04	-0.01
A014615_01	At4g25740	putative ribosomal protein S1	0	-0.69	-0.92	-0.92	-1.29	-1.40	-1.60	0.9	0.27	2.81	0.02
A014622_01	At4g27990	A.t. histone deacetylase mRN	0	0.41	0.94	0.94	1.09	1.27	1.01	1.3	0.06	-1.93	-0.31
A014632_01	At4g34620	putative ribosomal protein S1	0	-0.63	-1.03	-1.04	-1.37	-1.59	-1.67	0.8	0.48	2.80	0.11
A014634_01	At4g39730	putative protein; protein id: At	0	-1.57	-1.29	-1.26	-1.68	-1.72	-1.75	0.9	0.27	2.62	-0.84
A014646_01	At4g11960	putative protein; protein id: At	0	0.93	1.08	1.24	1.37	1.14	1.25	0.8	0.96	-1.95	0.40
A014655_01	At4g14420	elicitor like protein; protein id:	0	-0.64	-0.85	-0.82	-1.13	-1.28	-1.45	1.1	0.10	2.81	0.01
A014667_01	At4g27390	putative protein; protein id: At	0	0.19	0.63	0.80	1.29	1.27	1.27	1.3	0.06	-1.88	-1.08
A014688_01	At4g37610	putative protein; protein id: At	0	2.61	2.59	2.07	0.90	0.56	0.68	0.8	0.55	0.12	2.17
A014702_01	At4g33050	putative protein; protein id: At	0	2.32	2.91	2.75	2.82	2.79	3.17	1.6	0.06	-1.90	0.64
A014705_01	At4g35750	putative protein; protein id: At	0	1.46	1.72	2.25	2.35	2.30	2.97	1.0	0.20	-2.05	-0.21
A014706_01	At4g15770	hypothetical protein; protein ic	0	-0.93	-0.82	-0.63	-1.10	-1.13	-1.18	1.0	0.14	2.62	-0.57
A014716_01	At4g13940	adenosylhomocysteinase; pro	0	-0.90	-1.08	-0.95	-1.04	-1.25	-1.30	0.9	0.27	2.73	-0.73
A014721_01	At4g11010	nucleoside diphosphate kinas	0	-1.11	-1.11	-1.16	-1.32	-1.45	-1.62	1.0	0.26	2.74	-0.55
A014733_01	At4g16830	nuclear antigen homolog; pro	0	0.79	0.88	0.93	1.05	0.61	0.82	0.8	0.96	-1.51	1.00
A014746_01	At4g27960	E2, ubiquitin-conjugating enzy	0	0.08	0.89	0.94	1.31	1.22	1.58	0.7	2.21	-1.85	-0.94
A014750_01	At4g39330	cinnamyl-alcohol dehydrogen	0	-1.18	-1.37	-1.24	-1.97	-2.99	-2.55	1.2	0.06	2.67	0.25
A014758_01	At4g35770	senescence-associated prote	0	3.33	3.08	2.92	2.30	2.31	2.42	0.9	0.41	-1.21	1.65
A014759_01	xxxx	b/t disease resistance protein	0	0.21	0.97	1.12	1.32	1.59	1.84	0.8	0.81	-1.90	-0.92
A014765_01	At4g17080	hypothetical protein; protein ic	0	1.01	1.03	1.27	1.32	1.29	1.35	0.8	0.81	-2.00	0.31
A014769_01	At4g02380	coded for by A. thaliana cDN/	0	1.28	1.35	1.12	0.90	1.19	1.73	1.2	0.06	-1.63	0.77
A014771_01	At4g00100	putative ribosomal protein S1	0	-0.49	-0.79	-0.78	-1.35	-1.46	-1.21	0.7	1.20	2.70	0.28
A014799_01	At4g02290	glycosyl hydrolase family 9; p	0	-3.01	-4.12	-1.89	NA	-3.76	-3.98	1.5	0.06	NA	NA
A014801_01	At4g25620	unknown protein; protein id: A	0	1.05	1.00	0.69	-0.01	-0.34	-0.04	0.9	0.37	0.84	2.08
A014802_01	At4g24660	putative protein; protein id: At	0	1.01	0.81	0.73	0.29	0.39	0.40	0.8	0.55	-0.18	2.12
A014835_01	At4g30630	putative protein; protein id: At	0	0.77	0.79	0.92	0.86	1.00	1.00	0.8	0.81	-1.98	0.37
A014838_01	At4g23740	leucine-rich repeat transmem	0	-0.96	-1.06	-0.92	-0.89	-0.86	-0.93	1.1	0.14	2.33	-1.65

A014842_01	At4g26860	putative proline synthetase as	0	0.74	0.75	0.84	1.02	1.25	1.13	0.9	0.27	-2.01	-0.09
A014855_01	At4g34320	hypothetical protein common	0	2.41	2.57	2.08	2.15	1.58	2.37	1.1	0.10	-1.43	1.35
A014858_01	At4g33666	expressed protein; protein id:	0	1.86	2.23	2.07	2.52	2.45	2.09	2.4	0.06	-1.87	0.57
A014867_01	At4g36740	homeodomain protein; proteir	0	2.89	1.83	1.90	-0.81	-0.39	0.02	0.7	1.20	1.00	1.99
A014876_01	At4g11330	MAP kinase (ATMPK5); prote	0	0.57	1.44	2.03	2.46	2.72	2.69	0.8	0.81	-1.94	-0.88
A014904_01	At4g02150	AtKAP alpha; protein id: At4g	0	-0.57	-0.68	-0.67	-1.04	-1.11	-1.03	1.1	0.10	2.79	-0.09
A014914_01	At4g39710	FKBP-type peptidyl-prolyl cis-	0	0.07	-0.05	-0.43	-0.38	-0.63	-1.36	0.8	0.48	2.12	1.02
A014919_01	At4g38060	putative protein; protein id: At	0	1.33	1.09	1.17	0.79	0.33	1.09	0.6	4.47	-0.73	1.71
A014927_01	At4g03290	putative calmodulin; protein ic	0	0.49	0.72	1.15	1.14	0.97	1.63	0.7	2.21	-1.88	-0.52
A014928_01	At4g03320	putative chloroplast protein ir	0	0.97	0.98	1.01	0.79	1.17	1.68	0.8	0.96	-1.71	0.09
A014929_01	At4g25650	putative protein; protein id: At	0	0.52	0.94	0.86	1.25	1.36	1.27	1.0	0.16	-2.03	-0.44
A014932_01	At4g28030	unknown protein; protein id: A	0	0.96	1.07	0.79	0.96	1.03	0.84	0.9	0.37	-1.63	1.06
A014936_01	At4g36410	E2, ubiquitin-conjugating enzy	0	1.17	1.52	1.42	0.97	0.86	0.95	0.8	0.81	-1.05	1.61
A014939_01	At4g25900	possible apospory-associatec	0	0.57	1.08	1.41	1.68	1.73	1.81	1.9	0.06	-2.01	-0.64
A014945_01	At4g14680	ATP-sulfurylase; protein id: A	0	-0.88	-0.79	-0.23	0.38	0.55	1.31	0.7	1.61	-0.81	-2.19
A014947_01	At4g03510	E3 ubiquitin ligase, RMA1; pr	0	1.61	1.26	1.37	1.37	1.55	1.46	0.7	0.96	-1.61	0.76
A014948_01	At4g28060	putative protein; protein id: At	0	-0.34	-0.11	0.06	0.46	0.65	1.03	0.7	2.21	-1.22	-1.93
A014955_01	At4g27480	N-acetylglucosaminyltransfer	0	0.76	1.08	1.05	1.18	1.51	1.37	1.1	0.10	-2.03	-0.12
A014976_01	At4g08180	putative protein; protein id: At	0	0.61	0.84	0.87	0.82	1.09	1.25	0.7	1.20	-2.01	-0.10
A014984_01	At4g05070	coded for by A. thaliana cDNA	0	1.96	1.74	1.94	1.87	1.42	1.40	0.7	1.61	-1.35	1.41
A015009_01	At4g04930	putative fatty acid desaturase	0	0.08	0.40	0.79	0.74	0.76	1.16	0.8	0.81	-1.79	-1.05
A015013_01	At4g24990	expressed protein; protein id:	0	0.78	0.95	1.10	1.42	1.53	1.83	1.2	0.06	-2.04	-0.51
A015047_01	At4g24380	putative protein; protein id: At	0	-0.39	-0.28	-0.33	-0.81	-1.15	-0.63	0.7	2.21	2.27	0.51
A015062_01	At4g38470	protein kinase like protein; pr	0	1.80	1.53	1.12	0.73	0.57	0.56	0.7	1.61	-0.08	2.19
A015071_01	At4g25100	iron superoxide dismutase (F	0	1.07	1.62	1.95	2.64	2.44	2.21	0.6	4.47	-1.98	-0.39
A015072_01	At4g39200	ribosomal protein S25; proteir	0	-0.36	-0.80	-0.81	-1.23	-1.72	-1.51	1.0	0.20	2.67	0.52
A015077_01	At4g26110	nucleosome assembly proteir	0	-0.46	-0.65	-0.53	-0.94	-0.97	-1.17	0.9	0.31	2.76	0.16
A015084_01	At4g34390	extra-large G-protein - like; pr	0	0.84	1.23	1.13	1.04	0.76	1.33	1.3	0.06	-1.65	0.80
A015095_01	At4g23820	polygalacturonase, putative; p	0	-0.80	-2.17	-2.52	-3.13	-3.22	-3.51	0.7	1.20	2.72	0.29
A015105_01	At4g04955	expressed protein; protein id:	0	1.22	1.47	1.83	2.21	2.04	2.51	1.0	0.20	-2.05	-0.27
A015108_01	At4g02530	chloroplast thylakoid lumen pi	0	-0.28	-0.42	-0.56	-0.79	-0.84	-1.02	0.7	1.61	2.71	0.50
A015134_01	At4g22710	cytochrome p450 family; prote	0	1.05	2.07	2.26	2.59	2.60	2.46	1.2	0.06	-1.97	-0.22
A015144_01	At4g26780	grpE like protein; protein id: A	0	-1.80	-1.39	-1.07	-1.26	-1.30	-1.44	0.8	0.66	2.10	-1.67
A015147_01	At4g07410	unknown protein; protein id: A	0	-0.40	-0.68	-0.66	-1.09	-1.05	-1.06	0.6	4.47	2.76	0.20
A015167_01	At4g31390	similar to putative ABC transp	0	1.47	1.95	1.76	0.94	2.14	1.48	0.7	2.21	-1.37	0.90
A015181_01	At4g31460	putative protein; protein id: At	0	-0.57	-0.93	-0.86	-1.10	-1.17	-1.19	1.1	0.06	2.79	-0.27
A015182_01	At4g13830	DnaJ-like protein; protein id: A	0	1.55	2.12	2.23	2.51	2.47	2.55	1.4	0.06	-2.03	0.14
A015235_01	At4g25630	fibrillarlin 2 (AtFib2); protein id	0	-1.71	-1.87	-1.45	-3.01	-2.37	-2.49	0.8	0.66	2.68	-0.39
A015240_01	At4g30220	snRNP Sm protein F - like; pr	0	-1.30	-1.17	-1.07	-1.42	-1.46	-1.63	1.1	0.06	2.68	-0.79
A015249_01	At4g35060	copper chaperone (CCH)-rela	0	1.04	1.65	1.98	2.06	1.98	2.60	1.5	0.06	-2.01	-0.23
A015260_01	At4g16370	isp4 like protein; protein id: At	0	0.94	1.47	1.22	1.34	1.09	1.11	0.9	0.27	-1.60	0.93
A015279_01	At4g16690	cyanohydrin lyase like protein	0	1.47	1.25	0.88	0.53	0.91	1.48	1.0	0.16	-1.03	1.21
A015286_01	At4g31985	expressed protein; protein id:	0	-0.77	-0.82	-0.79	-1.25	-1.56	-1.49	1.1	0.10	2.74	0.10
A015294_01	At4g19985	expressed protein; protein id:	0	-0.23	-0.42	-0.53	-0.76	-0.73	-1.14	1.0	0.18	2.61	0.55

A015301_01	At4g25770	putative protein; protein id: At	0	0.30	0.53	0.62	1.05	0.80	0.98	0.8	0.96	-1.93	-0.72
A015302_01	At4g18730	ribosomal protein L11, cytosol	0	-0.37	-0.79	-0.74	-1.37	-1.37	-1.58	0.8	0.66	2.70	0.50
A015313_01	At4g31240	similar to putative receptor kin	0	1.17	1.10	1.09	0.95	1.06	1.61	0.6	2.21	-1.70	0.56
A015331_01	At4g24040	glycosyl hydrolase family 37 (	0	1.42	0.92	0.50	0.14	-0.09	0.01	1.0	0.16	0.80	2.15
A015336_01	At4g32150	synaptobrevin-like protein; pro	0	1.02	0.89	0.99	0.91	1.09	1.11	0.7	2.21	-1.83	0.68
A015339_01	At4g00780	coded for by A. thaliana cDNA	0	1.59	2.28	2.73	3.41	3.29	4.09	1.2	0.06	-2.04	-0.50
A015345_01	At4g00870	bHLH protein; protein id: At4g	0	0.35	-1.04	-1.59	-3.08	-3.32	-2.84	1.5	0.06	2.41	0.95
A015351_01	At4g28240	putative wound induced prote	0	1.53	1.31	1.53	1.79	1.68	1.81	0.7	2.21	-1.92	0.40
A015378_01	At4g32190	putative protein; protein id: At	0	0.29	0.62	0.74	0.91	0.92	1.09	1.1	0.14	-1.99	-0.64
A015380_01	At4g15160	cell wall protein like; protein ic	0	-0.92	-0.21	0.44	1.15	1.37	1.01	1.7	0.06	-1.18	-2.01
A015422_01	At4g36530	putative protein; protein id: At	0	0.37	0.86	0.86	1.09	1.14	1.14	0.7	1.61	-1.99	-0.44
A015439_01	At4g36790	putative protein; protein id: At	0	0.56	0.55	0.82	1.30	1.41	1.41	1.6	0.06	-1.88	-0.91
A015442_01	At4g36840	putative protein; protein id: At	0	0.08	0.16	0.57	0.77	1.06	0.90	0.7	1.61	-1.69	-1.39
A015444_01	At4g33680	putative protein; protein id: At	0	-0.96	-0.96	-0.80	-0.88	-1.08	-1.11	0.8	0.48	2.59	-1.10
A015447_01	At4g36930	bHLH protein, SPATULA; pro	0	0.64	1.07	1.39	1.27	1.59	2.05	1.2	0.06	-1.98	-0.55
A015448_01	At4g18740	hypothetical protein; protein ic	0	0.75	1.09	1.03	1.33	1.51	1.29	0.7	1.20	-2.02	-0.14
A015463_01	At4g37980	cinnamyl-alcohol dehydrogen	0	0.05	-0.92	-0.95	-1.13	-1.04	-0.53	1.1	0.14	1.99	-0.05
A015464_01	At4g37240	putative protein; protein id: At	0	-0.59	-0.72	-0.99	-1.79	-2.06	-1.93	1.2	0.06	2.65	0.62
A015465_01	At4g37260	myb DNA-binding protein (AtM	0	1.13	0.72	0.36	-0.15	-0.53	-0.53	1.4	0.06	1.33	2.04
A015472_01	At4g36680	salt-inducible like protein; pro	0	-1.22	-1.63	-1.30	-1.85	-1.97	-1.80	1.2	0.06	2.76	-0.58
A015475_01	At4g16630	DEAD/DEAH box RNA helica	0	-0.80	-0.98	-0.82	-1.42	-1.35	-1.10	0.9	0.31	2.66	-0.37
A015483_01	At4g03050	putative oxidoreductase; prot	0	-1.08	-0.18	1.64	1.62	1.75	3.14	1.2	0.06	-1.32	-1.86
A015484_01	At4g09320	nucleoside-diphosphate kinas	0	-0.94	-1.04	-0.89	-1.53	-1.48	-1.30	0.9	0.27	2.72	-0.39
A015487_01	At4g29880	putative protein; protein id: At	0	0.08	0.60	0.80	0.84	1.14	1.13	0.7	1.20	-1.85	-1.08
A015492_01	At4g36360	glycosyl hydrolase family 35 (	0	-1.72	-2.08	-2.13	-2.59	-2.85	-2.13	0.7	2.21	2.66	-0.62
A015498_01	At5g10930	serine/threonine protein kinas	0	1.33	1.78	2.36	2.40	2.65	3.12	1.0	0.20	-2.05	-0.39
A015504_01	At5g11090	putative protein; protein id: At	0	0.69	1.31	1.77	1.68	1.68	2.06	0.7	1.20	-2.01	-0.40
A015508_01	At5g62770	putative protein; protein id: At	0	0.55	0.84	1.32	1.61	1.55	1.73	0.6	4.47	-1.99	-0.77
A015510_01	At5g62750	putative protein; protein id: At	0	0.61	0.89	1.46	1.61	1.62	2.23	1.0	0.16	-1.94	-0.76
A015524_01	At5g08280	hydroxymethylbilane synthase	0	-0.62	-0.84	-0.86	-0.89	-1.10	-1.25	0.6	4.47	2.79	-0.28
A015534_01	At5g45250	disease resistance protein RF	0	0.66	1.02	1.20	1.56	1.23	1.62	1.2	0.06	-2.00	-0.38
A015540_01	At5g53730	hairpin-induced protein, putat	0	2.03	3.15	3.36	3.26	3.25	3.46	1.7	0.06	-1.95	0.29
A015543_01	At5g13180	NAM-like protein; protein id: A	0	1.61	1.67	1.87	1.67	1.76	2.52	1.0	0.20	-1.91	0.35
A015548_01	At5g04180	carbonate dehydratase - like |	0	0.30	0.53	1.00	0.88	1.24	1.81	0.7	1.61	-1.77	-0.98
A015558_01	At5g10650	Pspzf zinc finger protein - like	0	2.78	2.92	2.89	2.31	2.20	2.99	1.3	0.06	-1.56	1.22
A015585_01	At5g08040	putative protein; protein id: At	0	-1.05	-0.93	-0.89	-1.16	-1.30	-1.27	0.9	0.27	2.70	-0.74
A015586_01	At5g40350	myb family transcription facto	0	-1.01	-1.06	-0.89	-1.23	-1.38	-1.18	0.9	0.37	2.69	-0.79
A015595_01	At5g40670	putative protein; protein id: At	0	0.66	0.80	1.14	1.47	1.57	1.78	1.3	0.06	-2.00	-0.75
A015629_01	At5g16370	AMP-binding protein; protein id	0	1.85	1.71	1.55	1.47	1.40	1.36	0.9	0.41	-1.34	1.51
A015634_01	At5g40780	amino acid permease; proteir	0	1.95	1.82	1.33	1.44	1.46	2.11	1.2	0.06	-1.54	1.09
A015639_01	At5g25130	cytochrome p450 family; prot	0	1.35	1.93	1.99	2.04	2.05	2.29	1.2	0.06	-1.97	0.28
A015641_01	At5g63030	glutaredoxin-like protein; prot	0	0.46	0.78	1.06	1.50	1.58	1.75	1.4	0.06	-1.97	-0.92
A015647_01	At5g10740	protein phosphatase 2C -like	0	0.70	0.76	0.96	0.91	1.00	1.49	0.9	0.37	-1.94	-0.22
A015649_01	At5g07360	putative amidase; protein id: /	0	0.64	0.97	1.12	1.16	1.32	1.39	1.1	0.06	-2.04	-0.20

A015653_01	At5g37360	putative protein; protein id: At	0	0.55	0.78	0.92	0.88	0.87	0.32	0.8	0.96	-1.12	0.72
A015658_01	At5g03190	putative protein; protein id: At	0	0.88	1.14	1.30	1.54	1.36	1.78	0.9	0.27	-2.04	-0.11
A015660_01	At5g04830	expressed protein; protein id:	0	0.66	0.80	0.62	0.50	0.63	1.19	0.6	2.21	-1.59	0.46
A015663_01	At5g62930	putative protein; protein id: At	0	-0.07	-0.55	-0.54	-0.67	-0.93	-1.01	1.0	0.20	2.59	0.55
A015679_01	At5g39880	putative protein; protein id: At	0	0.40	0.71	1.11	1.18	1.13	1.62	1.1	0.14	-1.93	-0.73
A015707_01	At5g48590	putative protein; protein id: At	0	0.71	0.91	0.97	1.12	1.01	0.87	1.0	0.20	-1.86	0.44
A015723_01	At5g17290	AtAPG5; protein id: At5g1729	0	0.78	0.90	0.96	1.14	1.38	1.45	1.6	0.06	-2.03	-0.28
A015733_01	At5g15160	bHLH protein; protein id: At5g	0	0.01	0.30	1.03	1.62	1.38 NA		0.7	1.61 NA	NA	
A015762_01	At5g13690	alpha-N-acetylglucosaminida:	0	-0.43	-0.76	-0.68	-0.61	-0.66	-1.16	0.7	2.21	2.56	-0.42
A015772_01	At5g10560	glycosyl hydrolase family 3; p	0	-0.66	-0.87	-1.11	-1.41	-1.41 NA		0.8	0.48 NA	NA	
A015776_01	At5g41350	A.t. genomic DNA, chromoso	0	0.93	1.16	1.23	1.11	0.91	1.43	0.7	1.61	-1.81	0.65
A015793_01	At5g23420	expressed protein; protein id:	0	-2.19	-2.60	-2.37	-2.48	-2.65	-2.23	1.2	0.06	2.53	-1.26
A015827_01	At5g23890	unknown protein; protein id: A	0	-0.36	-0.50	-0.47	-0.76	-1.06	-0.73	0.7	2.21	2.62	0.24
A015837_01	At5g62230	putative protein; protein id: At	0	-0.85	-1.23	-1.16	-1.68	-1.66	-2.21	0.8	0.81	2.77	0.06
A015840_01	At5g62290	putative protein; protein id: At	0	-0.51	-0.84	-0.78	-1.15	-1.26	-1.21	1.0	0.26	2.79	0.07
A015841_01	At5g20070	putative protein; protein id: At	0	-0.26	-0.49	-0.55	-1.12	-1.26	-0.77	0.9	0.41	2.48	0.52
A015860_01	At5g44630	terpene synthase/cyclase farr	0	-3.01	-4.51	-3.27	-4.93	-4.20	-4.41	2.1	0.06	2.66	-0.85
A015864_01	At5g66590	unknown protein; protein id: A	0	-1.03	-1.44	-1.40	-2.49	-1.74 NA		0.7	1.20 NA	NA	
A015877_01	At5g55120	putative protein; protein id: At	0	0.09	-0.34	-0.90	-1.51	-1.30	-1.13	0.8	0.66	2.35	1.03
A015878_01	At5g54390	putative protein; protein id: At	0	0.24	0.28	0.44	0.61	0.84	1.12	1.0	0.16	-1.79	-1.09
A015879_01	At5g57340	expressed protein; protein id:	0	1.72	1.78	1.62	1.60	1.45	0.87	1.2	0.06	-1.08	1.53
A015883_01	At5g14120	nodulin-like protein; protein id	0	1.11	1.40	1.61	1.98	1.95	2.01	1.1	0.10	-2.05	-0.14
A015895_01	At5g48580	FKBP-type peptidyl-prolyl cis-	0	-1.02	-1.04	-1.06	-1.05	-1.45	-1.61	1.0	0.20	2.72	-0.52
A015938_01	At5g22500	male sterility 2-like protein (er	0	0.68	0.65	0.28	-0.75	-1.51	-1.07	0.7	0.96	1.76	1.70
A015940_01	At5g60200	Dof zinc finger protein; proteir	0	-0.77	-1.25	-1.08	-1.65	-1.81	-1.70	1.4	0.06	2.79	-0.03
A015948_01	At5g51750	subtilisin-like serine protease;	0	-1.74	-2.85	-2.63	-4.55	-3.88	-3.74	0.8	0.48	2.72	-0.06
A015963_01	At5g64530	putative protein; protein id: At	0	0.78	1.26	1.39	1.47	1.44	1.61	1.0	0.16	-2.04	-0.06
A015973_01	At5g58430	leucine zipper-containing prot	0	0.75	1.04	1.03	1.00	0.76	0.96	0.7	1.20	-1.67	0.88
A015982_01	At5g10360	40S ribosomal protein S6; prot	0	-0.51	-1.08	-1.12	-1.62	-1.71	-1.76	1.0	0.16	2.75	0.31
A015984_01	At5g40450	putative protein; protein id: At	0	1.93	2.48	2.86	3.10	2.55	3.66	1.6	0.06	-2.00	0.06
A015995_01	At5g61020	putative protein; protein id: At	0	-0.36	-0.55	-0.51	-1.19	-1.38	-1.11	0.8	0.55	2.57	0.60
A015997_01	At5g67260	cyclin D3;2; protein id: At5g67	0	-0.80	-1.15	-1.11	-1.25	-1.27	-1.23	1.2	0.06	2.72	-0.71
A016000_01	At5g45060	disease resistance protein (Tl	0	0.82	0.94	0.93	0.80	0.37	1.16	0.8	0.81	-1.30	1.01
A016012_01	At5g46290	3-oxoacyl-(acyl-carrier-proteir	0	-0.99	-0.89	-0.97	-1.14	-1.28	-1.56	0.9	0.37	2.71	-0.39
A016034_01	At5g50260	AtCEP1; cysteine proteinase;	0	3.55	3.29	2.65	1.41	1.57	1.25	0.8	0.96	-0.24	2.14
A016048_01	At5g63490	putative protein; protein id: At	0	0.88	1.29	1.40	1.74	1.90	1.92	1.8	0.06	-2.06	-0.35
A016055_01	At5g07430	pectinesterase family; protein	0	0.24	0.68	1.15	1.19	1.28	1.94	1.1	0.10	-1.84	-1.05
A016062_01	At5g16390	biotin carboxyl carrier protein	0	-0.74	-0.91	-0.96	-1.04	-0.96	-1.24	0.8	0.81	2.77	-0.63
A016083_01	At5g22880	histone H2B like protein (emb	0	-2.57	-3.00	-1.95	-2.87	-3.14	-2.91	1.2	0.06	2.62	-1.13
A016120_01	At5g10480	putative protein phosphatase;	0	-0.98	-0.91	-0.87	-1.14	-1.27	-1.26	1.1	0.14	2.73	-0.65
A016127_01	At5g23750	putative protein; protein id: At	0	0.75	1.16	1.64 NA		1.91	2.17	0.7	1.20 NA	NA	
A016141_01	At5g41790	myosin heavy chain-like prote	0	1.07	1.78	1.69	1.40	0.61	1.90	0.8	0.48	-1.28	0.86
A016148_01	At5g49360	xylosidase glycosyl hydrolase	0	2.68	2.96	3.00	2.94	2.98	3.58	1.2	0.06	-1.93	0.60
A016163_01	At5g41010	putative protein; protein id: At	0	-0.79	-0.81	-0.62	-0.80	-0.92	-1.03	0.6	2.21	2.64	-0.85

A016172_01	At5g62165	MADS-box protein; protein id:	0	0.50	0.73	0.84	1.03	0.98	0.98	1.0	0.16	-2.04	-0.23
A016175_01	At5g65010	asparagine synthetase (gbjA/	0	-1.33	-1.90	-2.11	-2.52	-2.87	-2.85	1.0	0.18	2.81	-0.07
A016186_01	At5g22090	unknown protein; protein id: A	0	0.64	1.14	1.18	1.37	1.05	1.68	0.9	0.26	-1.94	-0.11
A016187_01	At5g62300	ribosomal protein S20 - like; p	0	-0.68	-1.01	-1.01	-1.55	-1.94	-1.84	0.9	0.31	2.73	0.34
A016209_01	At5g64260	phi-1-like protein; protein id: A	0	1.21	1.24	0.81	0.60	0.18	0.07	1.2	0.06	0.29	2.15
A016229_01	At5g67030	zeaxanthin epoxidase precurs	0	0.95	1.41	1.57	1.85	1.96	2.15	1.3	0.06	-2.06	-0.30
A016238_01	At5g54160	O-methyltransferase 1; protei	0	-0.97	-0.39	0.74	2.23	2.03	1.38	0.9	0.41	-1.20	-1.82
A016244_01	At5g16120	lipase-like protein; protein id:	0	1.41	1.02	1.04	1.10	1.32	1.29	1.3	0.06	-1.65	0.81
A016247_01	At5g54110	membrane associated proteir	0	0.91	0.92	0.83	0.84	0.78	1.02	0.7	1.61	-1.71	1.03
A016255_01	At5g54130	putative protein; protein id: At	0	0.57	0.78	1.07	1.07	1.16	1.63	0.8	0.96	-1.98	-0.50
A016266_01	At5g47050	putative protein; protein id: At	0	1.19	1.24	1.59	1.60	1.51	1.73	0.8	0.96	-1.97	0.28
A016278_01	At5g61590	ethylene responsive element	0	1.07	0.90	1.49	1.99	2.15	1.71	1.0	0.18	-1.89	-0.55
A016281_01	At5g58260	similar to unknown protein (pi	0	0.71	1.03	0.76	0.95	0.67	0.20	1.4	0.06	-0.71	1.35
A016283_01	At5g58370	contains similarity to GTP-bin	0	-0.51	-0.58	-0.41	-0.87	-0.78	-1.12	0.9	0.41	2.57	0.06
A016285_01	At5g48230	acetyl-CoA C-acetyltransferas	0	-0.27	-0.46	-0.59	-0.91	-1.12	-1.04	0.8	0.48	2.66	0.52
A016316_01	At5g67240	exonuclease, putative; proteir	0	-0.10	-0.32	-0.44	-1.04	-1.05	-0.94	0.8	0.66	2.47	0.93
A016319_01	At5g44610	expressed protein	0	2.41	1.95	1.35	0.75	0.90	1.54	1.2	0.06	-0.46	1.86
A016321_01	At5g44790	ATP dependent copper transp	0	0.76	0.98	1.23	1.67	0.87	1.27	0.7	1.20	-1.70	0.15
A016323_01	At5g15850	zinc finger protein CONSTAN	0	1.18	1.40	1.51	1.69	1.65	1.78	1.0	0.18	-2.03	0.22
A016324_01	At5g39610	NAM / CUC2 - like protein; pr	0	2.57	1.89	1.46	1.26	1.03	1.83	0.7	0.96	-0.73	1.61
A016335_01	At5g62670	plasma membrane proton AT	0	-0.12	-0.70	-0.77	-1.25	-1.19	-1.53	0.9	0.26	2.62	0.69
A016344_01	At5g11200	DEAD BOX RNA helicase RH	0	-0.41	-0.81	-0.79	-1.03	-1.00	-0.95	0.8	0.81	2.75	-0.14
A016359_01	At5g09440	putative protein; protein id: At	0	2.02	1.95	1.61	1.31	0.99	0.90	0.8	0.66	-0.59	2.01
A016364_01	At5g48180	unknown protein	0	1.97	1.86	1.82	1.52	1.26	2.95	0.8	0.48	-1.46	0.65
A016369_01	At5g49450	bZIP family transcription factc	0	2.02	1.93	1.84	1.80	1.97	2.15	1.8	0.06	-1.77	0.92
A016372_01	At5g57110	calcium-transporting ATPase	0	-0.06	-0.71	-0.54	-1.27	-1.70	-1.34	0.7	1.61	2.52	0.80
A016376_01	At5g56360	calmodulin-binding protein; pr	0	-0.69	-0.98	-0.98	-1.04	-1.41	-1.70	1.0	0.16	2.74	-0.06
A016393_01	At5g59310	nonspecific lipid-transfer prote	0	0.26	1.40	1.81	1.97	1.42	1.70	1.1	0.10	-1.64	-0.38
A016402_01	At5g10180	sulfate transporter; protein id:	0	0.08	0.77	2.07	3.94	4.23	5.05	1.2	0.06	-1.65	-1.53
A016407_01	At5g47070	protein serine threonine kinas	0	1.01	1.21	1.06	1.00	0.82	1.06	0.9	0.26	-1.53	1.26
A016411_01	At5g03180	putative protein; protein id: At	0	1.50	1.36	1.48	1.79	1.81	1.76	1.0	0.20	-1.94	0.37
A016417_01	At5g17380	2-hydroxyphytanoyl-CoA lyas	0	0.96	0.94	0.73	0.62	0.35	1.05	0.7	1.61	-1.03	1.34
A016423_01	At5g46770	expressed protein; protein id:	0	0.31	0.68	0.96	1.14	1.35	1.68	1.2	0.06	-1.92	-0.99
A016446_01	At5g45890	senescence-specific cysteine	0	2.69	0.99	4.64	1.77	1.68	5.74	1.2	0.06	-1.05	-0.39
A016447_01	At5g52540	putative protein; protein id: At	0	-1.17	-1.10	-1.05	-1.22	-1.22	-1.52	0.9	0.27	2.66	-0.88
A016453_01	At5g47210	putative protein; protein id: At	0	-0.44	-0.67	-0.75	-1.29	-1.76	-1.37	0.7	2.21	2.56	0.61
A016462_01	At5g17420	cellulose synthase catalytic su	0	-0.91	0.12	0.78	2.18	1.15	1.10	0.8	0.81	-1.14	-1.52
A016463_01	At5g49480	NaCl-inducible Ca2+-binding	0	0.53	0.85	1.39	1.17	1.38	2.32	1.2	0.06	-1.81	-0.72
A016466_01	At5g01090	lectin - like protein; protein id:	0	-0.52	-1.10	-1.02	-1.15	-1.50	-1.21	1.5	0.06	2.67	-0.18
A016473_01	At5g01200	myb family transcription facto	0	0.27	0.35	1.15	1.60	1.48	1.22	0.6	2.21	-1.71	-1.15
A016484_01	At5g16060	hypothetical protein; protein ic	0	-0.99	-1.19	-1.12	-1.63	-1.59	-1.81	0.9	0.26	2.81	-0.24
A016536_01	At5g47060	putative protein; protein id: At	0	-1.09	-1.03	-0.23	-0.01	0.28	0.72	1.2	0.06	-0.46	-2.42
A016586_01	At5g06370	putative protein; protein id: At	0	0.73	0.40	0.88	1.39	1.65	1.60	0.8	0.81	-1.80	-0.96
A016612_01	At5g01990	putative protein; protein id: At	0	0.54	0.75	0.82	0.87	1.12	1.11	0.8	0.96	-2.02	-0.34

A016615_01	At5g02090	putative protein; protein id: At	0	1.06	1.70	3.09	4.45	4.34	3.66	1.0	0.18	-1.84	-0.94
A016618_01	At5g03330	putative protein; protein id: At	0	1.13	1.03	1.32	1.92	1.68	1.59	0.9	0.41	-1.94	-0.16
A016625_01	At5g56940	30S ribosomal protein S16; p	0	-0.88	-1.06	-0.88	-1.09	-1.03	-1.14	0.8	0.48	2.67	-1.05
A016628_01	At5g54840	SGP1 monomeric G-protein (	0	1.23	1.71	2.21	2.27	2.38	3.07	0.6	4.47	-2.04	-0.39
A016644_01	At5g18240	transfactor-like protein; protei	0	0.57	1.28	1.37	1.25	0.94	1.29	1.0	0.26	-1.68	0.33
A016652_01	At5g18130	putative protein; protein id: At	0	1.89	1.91	2.32	2.57	2.68	3.09	1.5	0.06	-2.04	-0.04
A016673_01	At5g54630	putative protein; protein id: At	0	0.23	-0.21	-0.35	-0.55	-1.13	-1.29	1.0	0.16	2.25	1.22
A016676_01	At5g02540	putative protein; protein id: At	0	-0.93	-2.03	-1.92	-2.30	-2.52	-2.52	1.1	0.06	2.76	-0.09
A016682_01	At5g54660	expressed protein; protein id:	0	1.42	1.67	1.69	1.85	1.73	1.98	0.8	0.48	-1.97	0.47
A016703_01	At5g02970	putative protein; protein id: At	0	1.13	1.19	1.15	1.33	1.49	1.68	1.3	0.06	-2.01	0.21
A016731_01	At5g35690	putative protein; protein id: At	0	0.45	0.59	0.80	1.14	1.30	1.43	1.2	0.06	-1.95	-0.92
A016735_01	At5g11970	putative protein; protein id: At	0	0.34	0.70	0.76	0.76	0.73	1.17	0.7	1.61	-1.91	-0.32
A016736_01	At5g12080	putative protein; protein id: At	0	-1.56	-1.45	-1.65	-1.78	-1.33	-1.67	0.9	0.41	2.48	-1.29
A016738_01	At5g11650	lysophospholipase - like prote	0	0.96	1.12	1.16	1.10	1.43	1.82	1.0	0.16	-1.96	0.04
A016751_01	At5g11480	putative GTP-binding protein	0	-0.72	-0.73	-0.61	-0.44	-0.53	-1.03	0.8	0.96	2.19	-1.23
A016754_01	At5g11550	putative protein; protein id: At	0	-1.15	-2.32	-1.34	-2.93	-2.87	NA	1.1	0.14	NA	NA
A016761_01	At5g14410	putative protein; protein id: At	0	0.62	0.22	0.22	0.40	-0.28	-1.11	1.4	0.06	1.34	1.28
A016762_01	At5g61340	putative protein; protein id: At	0	0.03	0.95	1.64	2.58	2.31	1.67	1.2	0.06	-1.62	-1.07
A016812_01	At5g08660	hypothetical protein; protein ic	0	0.84	0.90	0.64	0.62	0.69	1.02	0.7	1.61	-1.56	0.99
A016817_01	At5g60680	putative protein; protein id: At	0	1.60	0.99	1.12	1.29	1.24	1.09	1.0	0.20	-1.36	1.10
A016830_01	At5g49890	CLC-c chloride channel prote	0	0.56	0.98	1.07	1.06	0.72	1.42	0.8	0.96	-1.78	0.11
A016836_01	At5g49630	amino acid permease 6 (emb	0	0.33	1.00	1.35	1.99	1.99	1.77	1.1	0.10	-1.87	-0.98
A016839_01	At5g57520	CCHH finger protein 2-like pr	0	0.91	1.73	1.95	2.44	2.33	2.17	1.7	0.06	-1.99	-0.37
A016860_01	At5g09760	pectin methylesterase - like p	0	-0.79	-1.04	-1.36	-1.30	-1.81	NA	0.8	0.66	NA	NA
A016898_01	At5g59430	telomere repeat-binding prote	0	0.43	0.60	1.17	1.60	1.75	1.93	1.5	0.06	-1.87	-1.15
A016904_01	At5g11840	putative protein; protein id: At	0	0.94	1.45	1.51	1.84	2.13	2.06	1.5	0.06	-2.05	-0.36
A016907_01	At5g23580	calcium-dependent protein kin	0	-1.29	-1.37	-1.51	-1.46	-1.58	-1.73	0.7	1.20	2.73	-0.86
A016913_01	At5g49720	cellulase homolog OR16pep j	0	0.45	0.51	0.60	1.07	0.61	0.50	0.6	4.47	-1.44	0.13
A016914_01	At5g02240	putative protein; protein id: At	0	-1.37	-1.33	-1.23	-1.40	-1.52	-1.60	1.0	0.16	2.64	-1.07
A016922_01	At5g59850	cytoplasmic ribosomal proteir	0	-1.31	-1.46	-1.29	-1.93	-2.30	-2.26	1.8	0.06	2.78	-0.16
A016924_01	At5g42200	putative protein; protein id: At	0	1.67	1.84	1.67	0.89	0.54	0.56	0.7	1.61	-0.15	2.11
A016929_01	At5g42920	putative protein; protein id: At	0	-0.88	-1.01	-0.93	-1.13	-1.12	-1.12	0.9	0.41	2.71	-0.89
A016930_01	At5g60600	putative protein; protein id: At	0	-0.05	0.41	0.74	1.04	1.11	1.22	1.2	0.06	-1.76	-1.36
A016931_01	At5g15020	transcriptional regulatory - like	0	0.55	0.74	0.84	0.95	0.45	1.41	0.7	2.21	-1.61	-0.01
A016943_01	At5g02290	serine/threonine-specific prot	0	0.50	0.75	0.81	1.05	1.23	1.03	0.8	0.55	-2.01	-0.41
A016950_01	At5g61790	calnexin - like protein; protein	0	-0.93	-0.63	-0.66	-1.08	-1.40	-1.08	1.1	0.10	2.54	-0.24
A016951_01	At5g49660	receptor protein kinase; prote	0	-0.02	0.53	0.99	1.53	1.56	1.89	0.8	0.81	-1.76	-1.38
A016955_01	At5g38895	expressed protein; protein id:	0	0.90	1.03	1.25	1.61	1.78	1.52	1.1	0.10	-2.00	-0.34
A016960_01	At5g02880	putative protein; protein id: At	0	1.11	1.22	1.44	1.22	1.23	1.79	0.8	0.66	-1.91	0.38
A016969_01	At5g62570	calmodulin-binding protein; pr	0	0.95	1.08	1.19	1.32	1.34	1.81	0.8	0.66	-2.02	-0.04
A016977_01	At5g50790	MtN3-like protein; protein id: /	0	-0.32	-1.04	-0.98	-1.38	-1.46	-1.32	0.9	0.41	2.61	0.11
A016979_01	At5g23250	succinyl-CoA synthetase, alpl	0	-1.15	-1.36	-1.13	-1.35	-1.41	-1.49	1.0	0.18	2.69	-0.95
A017000_01	At5g66930	putative protein; protein id: At	0	1.09	1.11	1.02	1.00	1.05	1.22	1.4	0.06	-1.78	0.91
A017003_01	At5g05200	unknown protein	0	0.41	0.87	1.00	1.39	1.60	1.51	1.2	0.06	-1.96	-0.85

A017010_01	At5g02960	putative protein; protein id: At	0	-0.51	-0.81	-0.74	-1.33	-1.56	-1.54	0.9	0.27	2.72	0.42
A017015_01	At5g17870	plastid-specific ribosomal pro	0	-0.54	-0.78	-0.88	-1.02	-1.16	-1.50	0.7	2.21	2.76	0.09
A017016_01	At5g02450	60S ribosomal protein - like; p	0	-0.53	-1.22	-1.08	-1.78	-2.08	-2.06	1.2	0.06	2.73	0.39
A017022_01	At5g41050	expressed protein; protein id:	0	-0.21	-0.52	-0.56	-0.76	-0.86	-1.15	1.2	0.06	2.67	0.52
A017026_01	At5g17770	NADH-cytochrome b5 reducta	0	-0.57	-0.66	-0.66	-0.42	-0.93	-1.27	0.7	1.20	2.37	-0.16
A017034_01	At5g02120	one helix protein (OHP); prote	0	0.33	0.64	0.62	0.95	1.02	1.13	0.6	2.21	-2.01	-0.71
A017035_01	At5g02480	putative protein; protein id: At	0	0.07	0.53	0.80	0.94	0.82	1.09	0.9	0.31	-1.82	-0.93
A017038_01	At5g26000	glycosyl hydrolase family 1, m	0	-0.80	-2.93	-2.70	-4.37	-4.32	-3.71	1.3	0.06	2.63	0.30
A017042_01	At5g64860	glycosyl hydrolase family 77 (	0	-1.15	-1.62	-1.39	-1.11	-1.16	-2.16	0.7	1.61	2.38	-0.98
A017044_01	At5g64840	ABC transporter family protein	0	1.47	1.94	2.04	1.76	1.30	2.14	0.8	0.81	-1.65	0.84
A017046_01	At5g24530	flavanone 3-hydroxylase-like |	0	0.24	0.87	1.24	1.47	1.83	1.89	0.8	0.55	-1.89	-1.05
A017048_01	At5g52650	putative protein; protein id: At	0	-0.66	-1.04	-0.95	-1.54	-1.72	-1.67	1.1	0.10	2.78	0.20
A017049_01	At5g14210	leucine-rich repeat transmem	0	-0.56	-1.00	-1.06	-1.30	-1.48	-1.64	1.4	0.06	2.79	0.13
A017063_01	At5g08620	DEAD/DEAH box RNA helica	0	-0.90	-1.24	-1.04	-1.78	-1.70	-1.96	1.2	0.06	2.76	0.01
A017073_01	At5g23660	MtN3-like protein; protein id: /	0	1.54	2.29	2.67	2.75	2.70	2.85	1.8	0.06	-2.01	0.04
A017088_01	At5g15350	putative protein; protein id: At	0	-0.95	-0.76	-1.11	-1.81	-2.02	-1.96	0.8	0.81	2.63	0.38
A017092_01	At5g15230	GASA4; protein id: At5g15230	0	-1.02	-1.72	-1.83	-2.57	-3.02	-2.72	1.5	0.06	2.76	0.21
A017095_01	At5g58960	putative protein; protein id: At	0	-0.80	-1.32	-1.98	-1.44	-1.62	-1.78	0.9	0.31	2.59	-0.40
A017100_01	At5g04040	expressed protein; protein id:	0	0.82	0.99	0.94	0.99	1.21	1.30	1.2	0.06	-2.01	0.19
A017116_01	At5g62390	KED - like protein; protein id:	0	-0.11	-0.41	-0.70	-1.49	-1.85	-1.41	1.1	0.14	2.39	1.02
A017122_01	At5g46790	putative protein; protein id: At	0	0.62	1.10	1.36	1.62	1.64	1.92	1.3	0.06	-2.03	-0.59
A017128_01	At5g51070	ATP-dependent Clp protease	0	1.42	1.80	1.86	1.87	2.16	2.65	1.8	0.06	-2.02	0.07
A017135_01	At5g45880	Ole e I (main olive allergen)-li	0	0.49	0.66	1.09	1.09	1.14	1.87	1.1	0.14	-1.86	-0.74
A017160_01	At5g57800	lipid transfer protein; glossy1	0	0.27	1.00	1.40	1.43	1.19	1.68	1.1	0.10	-1.74	-0.52
A017178_01	At5g12390	putative protein; protein id: At	0	0.45	0.51	0.70	0.85	0.98	1.00	0.9	0.31	-1.98	-0.65
A017185_01	At5g61290	putative protein; protein id: At	0	-0.30	-0.38	-0.65	-0.63	-0.77	-1.51	0.6	4.47	2.41	0.44
A017207_01	At5g55220	trigger factor-like protein; prot	0	-0.66	-0.86	-0.72	-0.83	-0.98	-1.51	0.7	2.21	2.64	-0.24
A017277_01	At5g17860	potassium-dependent sodium	0	1.37	1.68	1.48	1.54	1.50	2.04	1.1	0.14	-1.89	0.60
A017284_01	At5g40690	putative protein; protein id: At	0	3.36	3.11	2.81	2.21	2.07	3.55	1.1	0.06	-1.35	1.29
A017293_01	At5g03740	histone deacetylase -like prot	0	-0.61	-0.99	-0.88	-1.51	-1.19	-1.59	1.0	0.18	2.74	0.03
A017305_01	At5g62560	putative protein; protein id: At	0	0.66	0.69	0.68	0.94	0.90	1.02	0.7	0.96	-2.01	0.00
A017311_01	At5g13330	putative protein; protein id: At	0	1.54	1.28	0.85	0.27	0.45	0.85	0.7	1.20	-0.15	1.97
A017331_01	At5g12110	elongation factor 1B alpha-su	0	-0.72	-0.63	-0.74	-1.10	-1.05	-1.17	0.9	0.41	2.74	-0.15
A017335_01	At5g10770	nucleoid DNA-binding protein	0	2.03	1.56	1.06	1.19	0.32	1.72	0.7	2.21	-0.53	1.33
A017360_01	At5g47860	putative protein; protein id: At	0	1.36	1.87	1.93	2.15	2.30	2.74	1.9	0.06	-2.06	-0.11
A017378_01	At5g61960	meiosis protein mei2-related;	0	0.47	0.69	0.86	0.85	0.77	1.24	0.7	1.61	-1.94	-0.21
A017380_01	At5g40480	nuclear pore protein -like; pro	0	-1.85	-1.81	-1.53	-2.36	-1.69	-2.60	0.8	0.55	2.59	-0.80
A017387_01	At5g45800	leucine-rich repeat transmem	0	1.52	1.74	1.57	1.64	1.61	1.83	1.1	0.14	-1.85	0.82
A017393_01	At5g43300	putative protein; protein id: At	0	0.13	0.20	0.72	0.73	0.75	1.18	0.6	2.21	-1.72	-1.24
A017394_01	At5g65870	putative protein; protein id: At	0	1.04	1.89	1.95	1.94	1.86	1.92	0.8	0.48	-1.87	0.27
A017405_01	At5g55860	myosin heavy chain-like; prot	0	0.57	0.60	0.73	0.69	0.72	1.09	0.8	0.48	-1.93	0.02
A017413_01	At5g63940	putative protein; protein id: At	0	-0.77	-0.72	-0.73	-0.88	-1.02	-0.66	0.8	0.96	2.45	-0.95
A017434_01	At5g23210	serine carboxypeptidase II-lik	0	0.51	0.93	0.86	1.13	1.13	0.93	0.8	0.55	-1.88	0.01
A017451_01	At5g12000	putative receptor - like kinase	0	0.50	0.89	1.29	0.84	1.18	1.79	0.8	0.96	-1.83	-0.45

A017452_01	At5g09990	expressed protein; protein id:	0	-1.46	-1.52	-1.18	-0.17	-0.18	0.43	0.7	1.61	0.00	-2.49
A017466_01	At5g11640	TITL putative protein; protein	0	-0.54	-0.73	-0.78	-0.95	-1.11	-1.20	0.9	0.31	2.81	-0.03
A017468_01	At5g25280	serine-rich protein; protein id:	0	2.35	2.42	1.98	2.35	2.11	2.17	1.0	0.20	-1.64	1.16
A017477_01	At5g45350	expressed protein; protein id:	0	1.18	1.92	2.03	2.45	2.09	2.63	1.3	0.06	-2.03	-0.14
A017486_01	At5g59030	copper transport protein; prot	0	0.92	0.91	0.88	0.99	1.08	1.06	0.8	0.55	-1.90	0.54
A017513_01	At5g13930	chalcone synthase; protein id	0	-3.19	-3.58	-2.37	-3.71	-3.93	-2.51	1.2	0.06	2.33	-1.31
A017562_01	At5g52550	putative protein; protein id: At	0	0.40	0.57	0.69	0.94	1.00	0.80	0.9	0.37	-1.96	-0.51
A017564_01	At5g61420	myb-related transcription fact	0	0.17	0.96	1.36	1.41	1.50	2.14	1.4	0.06	-1.84	-0.95
A017575_01	At5g01850	protein kinase ATN1-like prot	0	1.08	1.34	1.12	0.89	0.89	1.24	1.0	0.16	-1.47	1.26
A017595_01	At5g01880	putative protein; protein id: At	0	1.52	1.27	1.52	1.43	1.53	1.49	0.8	0.55	-1.78	0.78
A017636_01	At5g67540	glycosyl hydrolase family 43; j	0	0.62	0.86	0.84	0.93	0.79	0.78	0.8	0.55	-1.73	0.66
A017640_01	At5g57910	putative protein; protein id: At	0	1.65	1.75	1.62	2.05	2.16	2.20	1.2	0.06	-1.98	0.27
A017656_01	At5g45900	AtAPG7; ubiquitin activating e	0	1.36	0.99	0.85	0.72	0.95	1.95	0.7	1.20	-1.24	0.37
A017657_01	At5g45930	magnesium chelatase subuni	0	-0.68	-0.75	-0.99	-0.66	-0.89	-1.72	0.8	0.48	2.42	-0.24
A017659_01	At5g44730	Dreg-2 like protein; protein id:	0	-0.46	-0.65	-0.56	-0.70	-1.01	-1.29	0.9	0.37	2.69	0.07
A017664_01	At5g46760	bHLH protein; protein id: At5g	0	1.35	1.28	1.31	1.28	0.90	1.47	0.8	0.81	-1.56	1.12
A017667_01	At5g58930	putative protein; protein id: At	0	-1.10	-1.77	-1.63	-1.57	-1.49	-1.85	1.1	0.14	2.58	-0.95
A017692_01	At5g64930	CPR5 protein, putative; protei	0	1.08	0.94	0.72	0.52	0.61	0.55	0.9	0.26	-0.66	1.97
A017695_01	At5g58770	dehydrodolichyl diphosphate :	0	0.94	2.51	2.96	3.04	3.33	3.39	1.1	0.10	-1.94	-0.46
A017701_01	At5g47930	putative ribosomal protein S2	0	-0.86	-1.09	-0.96	-1.47	-1.58	-1.74	1.0	0.16	2.81	-0.09
A017714_01	At5g47500	pectinesterase family; protein	0	-0.74	-3.00	-3.42	NA	-3.80	-3.47	1.2	0.06	NA	NA
A017742_01	At5g22650	histone deacetylase-like prote	0	-0.68	-0.93	-0.72	-1.23	-1.13	-1.28	1.1	0.10	2.79	-0.26
A017746_01	At5g42680	putative protein; protein id: At	0	-0.21	-0.30	-0.54	-0.64	-1.32	-1.29	0.9	0.41	2.40	0.87
A017758_01	At5g11070	putative protein; protein id: At	0	1.62	1.74	1.78	1.88	1.39	1.00	1.2	0.06	-1.18	1.31
A017764_01	At5g61810	peroxisomal Ca-dependent s	0	-0.86	-1.01	-1.10	-1.12	-1.16	-1.27	0.8	0.96	2.76	-0.74
A017807_01	At5g13280	aspartate kinase; protein id: A	0	-0.61	-0.77	-0.70	-0.91	-0.81	-1.08	0.8	0.55	2.76	-0.51
A017815_01	At4g13261	hypothetical protein; protein ic	0	1.01	-0.77	-0.09	-3.07	-2.85	-2.98	1.1	0.14	2.23	1.02
A017848_01	At5g59960	putative protein; protein id: At	0	1.61	1.52	1.42	1.48	1.21	1.55	0.8	0.66	-1.59	1.21
A017858_01	At5g16630	putative protein; protein id: At	0	0.61	1.01	0.95	1.25	1.36	1.36	1.2	0.06	-2.05	-0.32
A017860_01	At5g65310	homeobox-leucine zipper proi	0	-1.84	-2.40	-2.28	-2.06	-2.27	-2.49	1.3	0.06	2.62	-1.10
A017867_01	At5g05110	putative cysteine proteinase ii	0	1.26	1.70	1.77	1.95	2.19	2.33	1.5	0.06	-2.06	-0.09
A017868_01	At5g56460	protein kinase-like protein; pr	0	1.03	1.42	1.54	1.36	1.42	1.84	1.2	0.06	-1.94	0.32
A017871_01	At5g10830	embryonic abundant protein -	0	1.35	1.63	1.57	1.00	1.21	1.99	1.2	0.06	-1.40	0.57
A017872_01	At5g50380	putative protein; protein id: At	0	0.50	0.69	0.85	1.03	0.97	1.21	0.8	0.96	-2.04	-0.45
A017874_01	At5g49930	putative protein; protein id: At	0	0.23	0.47	0.55	0.43	0.70	1.01	0.7	2.21	-1.80	-0.67
A017890_01	At5g23050	acetyl-CoA synthetase-like pr	0	1.26	1.28	1.34	0.78	0.93	1.53	0.7	2.21	-1.42	1.13
A017894_01	At5g02870	60S ribosomal protein - like; p	0	-1.22	-1.50	-1.43	-2.05	-2.12	-2.31	1.2	0.06	2.80	-0.14
A017897_01	At5g64670	putative protein; protein id: At	0	-1.05	-1.20	-0.90	-1.36	-1.34	-1.52	1.4	0.06	2.71	-0.64
A017902_01	At5g42050	putative protein; protein id: At	0	0.87	1.30	1.24	1.09	0.99	1.40	1.0	0.18	-1.73	0.69
A017904_01	At5g23940	acyltransferase; protein id: At	0	-2.08	-2.50	-2.30	-3.53	NA	-3.75	0.7	1.20	NA	NA
A017915_01	At5g62270	putative protein; protein id: At	0	-1.25	-1.23	-1.23	-2.14	-2.01	NA	0.8	0.48	NA	NA
A017925_01	At5g53450	putative protein; protein id: At	0	0.76	1.05	1.29	1.52	1.82	2.14	1.8	0.06	-2.00	-0.68
A017933_01	At5g66470	GTP-binding protein-like; prot	0	-0.97	-1.09	-0.96	-1.18	-1.06	-1.29	0.6	4.47	2.68	-0.99
A017935_01	At5g42310	maize crp1 protein-like; protei	0	0.83	1.15	1.31	1.23	1.13	1.24	0.8	0.55	-1.90	0.46

A017938_01	At5g06320	harpin-induced protein-like; p	0	0.95	1.38	1.18	1.01	0.95	0.79	1.0	0.26	-1.18	1.32
A017942_01	At5g22580	expressed protein; protein id:	0	-2.86	-3.34	-2.54	-4.66	-4.30	-4.01	1.8	0.06	2.74	-0.53
A017962_01	At5g04720	disease resistance protein (C	0	0.88	1.09	0.97	0.97	1.01	1.28	0.7	1.61	-1.91	0.58
A017971_01	At5g50810	small zinc finger-like protein; j	0	-1.22	-1.27	-1.10	-1.42	-1.58	-1.57	1.2	0.06	2.73	-0.76
A017972_01	At5g50000	protein kinase; protein id: At5	0	-0.23	-0.63	-0.66	-1.04	-1.15	-1.14	0.9	0.27	2.70	0.51
A017974_01	At5g50030	putative protein; protein id: At	0	0.11	0.44	0.79	0.81	1.04	1.38	0.7	1.61	-1.79	-1.12
A017977_01	At5g01520	putative protein; protein id: At	0	2.58	2.74	2.92	3.01	3.19	3.43	2.3	0.06	-1.98	0.44
A017979_01	At5g02380	metallothionein 2b; protein id:	0	0.02	0.39	0.64	0.68	0.48	1.53	0.7	1.20	-1.46	-1.07
A017980_01	At5g50100	putative protein; protein id: At	0	0.75	1.18	1.23	1.20	1.47	1.90	1.1	0.14	-2.00	-0.26
A017983_01	At5g50130	ribitol dehydrogenase-like; pro	0	0.31	0.91	1.37	2.02	1.69	1.50	0.6	4.47	-1.78	-0.84
A017993_01	At5g43850	putative protein; protein id: At	0	0.97	1.18	1.33	1.28	1.52	1.72	1.2	0.06	-2.01	0.09
A017995_01	At5g44030	cellulose synthase catalytic su	0	-0.18	0.86	1.35	2.76	1.84	1.40	0.8	0.48	-1.43	-1.04
A018000_01	At5g08300	succinyl-CoA-ligase alpha sul	0	-0.86	-0.79	-0.79	-1.01	-1.24	-0.97	1.5	0.06	2.66	-0.65
A018019_01	At5g14740	carbonic anhydrase 2; protein	0	2.55	2.17	1.34	0.65	0.13	-0.25	0.7	1.20	0.66	2.20
A018028_01	At5g39740	ribosomal protein L5 - like; pr	0	-0.45	-0.81	-0.82	-1.47	-1.75	-1.80	0.7	1.20	2.66	0.60
A018032_01	At5g09220	amino acid transport protein /	0	-0.40	-0.80	0.66	1.66	1.47	2.09	1.2	0.06	-1.18	-1.91
A018042_01	At5g66860	putative protein; protein id: At	0	-0.44	-0.59	-0.65	-0.92	-1.02	-1.13	0.9	0.31	2.76	0.25
A018049_01	At5g64580	putative protein; protein id: At	0	-1.23	-1.04	-0.99	-0.89	-0.89	-0.97	0.6	2.21	2.12	-1.88
A018052_01	At5g61210	syntaxin SNAP33; protein id:	0	0.56	0.86	1.03	1.27	1.03	1.12	0.7	2.21	-1.96	-0.12
A018058_01	At5g66170	senescence-associated prote	0	1.92	2.15	1.99	2.02	1.71	1.36	1.6	0.06	-1.32	1.36
A018060_01	At5g52840	expressed protein; protein id:	0	-0.79	-0.89	-0.92	-1.04	-1.11	-1.04	0.8	0.48	2.75	-0.68
A018064_01	At5g50920	ATP-dependent Clp protease	0	0.23	0.70	0.83	1.00	1.08	1.52	1.7	0.06	-1.90	-0.92
A018066_01	At5g61820	putative protein; protein id: At	0	1.98	2.56	2.93	2.54	2.42	3.08	1.2	0.06	-1.91	0.50
A018068_01	At5g65110	acyl-CoA oxidase (gb|AAC13-	0	0.76	0.98	0.99	0.88	0.83	1.65	1.1	0.10	-1.76	0.13
A018070_01	At5g47540	putative protein; protein id: At	0	1.10	1.14	1.20	0.96	1.53	1.24	0.8	0.55	-1.77	0.58
A018071_01	At5g46700	senescence-associated prote	0	-0.94	-1.18	-1.25	-1.77	-1.89	-2.05	0.9	0.27	2.81	0.02
A018085_01	At5g04850	expressed protein; protein id:	0	0.93	1.06	1.05	1.03	1.43	1.51	1.2	0.06	-1.98	0.09
A018089_01	At5g09660	microbody NAD-dependent m	0	0.85	1.34	1.40	1.40	1.17	1.47	1.0	0.20	-1.89	0.40
A018100_01	At5g41080	putative protein; protein id: At	0	0.71	0.35	0.08	-0.90	-1.43	-0.59	0.7	1.61	1.74	1.62
A018103_01	xxxx	b/t hypothetical protein; protei	0	0.69	0.73	1.04	1.14	1.18	1.05	0.8	0.81	-2.01	-0.16
A018105_01	At5g04750	F1F0-ATPase inhibitor - like p	0	0.45	0.27	0.56	1.09	1.08	0.76	0.9	0.37	-1.62	-0.90
A018110_01	At5g59960	putative protein; protein id: At	0	1.46	1.48	1.50	1.66	1.57	1.74	0.9	0.41	-1.91	0.65
A018139_01	At5g13770	putative protein; protein id: At	0	0.90	1.20	1.45	1.77	1.63	1.71	1.3	0.06	-2.04	-0.21
A018147_01	At5g54170	membrane related protein-like	0	1.41	1.61	1.37	1.23	1.41	1.67	1.5	0.06	-1.69	1.00
A018153_01	At5g21020	putative protein; protein id: At	0	1.37	1.49	1.43	1.38	1.72	1.45	1.0	0.18	-1.81	0.74
A018154_01	At5g56660	IAA-amino acid hydrolase (gb	0	0.02	0.45	0.71	0.97	1.06	0.94	0.9	0.37	-1.79	-1.19
A018156_01	At5g57350	plasma membrane ATPase 3	0	0.91	1.33	1.27	1.49	1.53	2.15	1.3	0.06	-2.00	-0.22
A018157_01	At5g62540	ubiquitin-conjugating enzyme	0	1.53	1.25	1.03	0.72	0.99	1.13	1.0	0.16	-1.03	1.59
A018159_01	At5g24160	squalene monooxygenase 1,2	0	2.55	3.03	2.90	2.82	2.69	3.15	1.7	0.06	-1.83	0.83
A018163_01	At5g56840	putative protein; protein id: At	0	-0.30	0.25	0.82	2.43	2.09	1.45	0.9	0.26	-1.41	-1.56
A018176_01	At5g03760	putative protein; protein id: At	0	-1.11	-0.92	-0.82	-0.61	-0.63	-0.37	0.7	1.20	1.17	-2.21
A018189_01	At5g04080	putative protein; protein id: At	0	0.87	1.78	2.19	2.30	2.36	2.66	0.6	4.47	-2.00	-0.43
A018195_01	At5g51970	sorbitol dehydrogenase-like p	0	1.11	0.99	0.99	1.09	1.40	0.99	1.0	0.26	-1.73	0.59
A018237_01	At5g11890	putative protein; protein id: At	0	-1.15	-1.51	-1.49	-1.44	-1.48	-2.19	0.9	0.27	2.68	-0.64

A018240_01	At5g12010	putative protein; protein id: At	0	1.48	1.41	1.28	0.76	0.36	1.07	0.8	0.81	-0.53	1.91
A018251_01	At5g14360	putative protein; protein id: At	0	1.79	1.32	0.85	-0.19	-0.33	NA	1.0	0.16	NA	NA
A018258_01	At5g39080	acyltransferase -like protein; p	0	0.84	1.23	1.25	1.42	1.45	1.39	1.2	0.06	-2.01	0.12
A018259_01	At5g39090	acyltransferase -like protein; p	0	0.30	1.34	2.15	2.82	2.87	3.40	1.4	0.06	-1.86	-1.15
A018264_01	At5g05930	expressed protein; protein id:	0	1.06	1.16	1.00	1.07	1.12	1.16	1.3	0.06	-1.80	0.83
A018267_01	At5g25220	KNAT3 homeodomain proteir	0	1.03	1.24	1.19	1.25	1.15	1.22	1.0	0.16	-1.86	0.77
A018270_01	At5g24120	sigma-like factor (emb CAA7	0	1.32	1.90	2.24	2.12	2.51	2.87	1.1	0.14	-2.03	-0.17
A018272_01	At5g40470	putative protein; protein id: At	0	0.48	0.57	0.78	1.08	1.06	1.40	0.7	0.96	-1.95	-0.79
A018277_01	At5g08180	nhp2-like protein; protein id: A	0	-0.94	-1.13	-0.99	-1.80	-1.98	-1.91	1.7	0.06	2.75	0.13
A018280_01	At5g37070	putative protein; protein id: At	0	0.88	1.21	1.31	1.61	1.54	1.56	1.2	0.06	-2.04	-0.07
A018297_01	At5g47190	putative protein; protein id: At	0	-0.68	-1.03	-1.02	-1.02	-1.24	-1.55	0.7	1.61	2.76	-0.28
A018300_01	At5g08050	putative protein; protein id: At	0	0.20	-0.05	-0.46	-0.69	-0.89	-1.60	0.7	1.20	2.18	1.23
A018307_01	At5g55850	NOI protein, nitrate-induced; p	0	0.41	0.62	0.85	1.00	0.86	1.32	0.9	0.27	-1.95	-0.56
A018308_01	At5g16360	putative protein; protein id: At	0	1.42	1.37	0.91	0.15	-0.13	0.81	0.8	0.55	0.24	1.92
A018343_01	At5g57280	protein carboxyl methylase-lik	0	-0.43	-0.66	-0.56	-1.21	-1.30	-1.28	1.2	0.06	2.66	0.47
A018348_01	At5g56550	putative protein; protein id: At	0	2.37	2.05	2.16	2.00	2.13	2.14	1.0	0.20	-1.65	1.10
A018393_01	At5g50410	unknown protein; protein id: A	0	-0.84	-1.05	-0.92	-0.77	-0.66	-0.85	0.7	2.21	2.15	-1.79
A018395_01	At5g40770	prohibitin (gb|AAC49691.1); p	0	-1.09	-1.15	-1.02	-1.37	-1.51	-1.39	0.9	0.37	2.72	-0.66
A018423_01	At5g58120	disease resistance protein (TI	0	1.30	1.86	1.89	2.07	1.94	2.31	1.3	0.06	-2.02	0.17
A018427_01	At5g59400	putative protein; protein id: At	0	1.06	1.06	1.08	1.14	1.23	1.70	1.2	0.06	-1.92	0.18
A018428_01	At5g59480	putative ripening-related prote	0	-1.16	-1.35	-1.37	-2.12	-1.95	-1.69	1.1	0.14	2.71	-0.31
A018440_01	At5g47140	GATA zinc finger protein; proi	0	0.01	0.24	0.58	0.82	0.88	1.10	0.7	2.21	-1.74	-1.40
A018450_01	At5g48490	putative protein; protein id: At	0	0.66	0.13	-0.72	-2.01	-2.50	-2.03	1.6	0.06	2.15	1.43
A018460_01	At5g48140	polygalacturonase, putative; p	0	-0.12	0.30	0.60	0.52	0.81	1.10	0.7	1.61	-1.63	-1.36
A018467_01	At5g52250	G-protein beta-subunit (transc	0	1.11	0.30	-0.72	-1.12	NA	-1.09	0.7	1.20	NA	NA
A018506_01	At5g16070	TCP-1 chaperonin-like proteir	0	-0.66	-1.34	-1.24	-1.62	-1.85	-1.92	1.4	0.06	2.78	0.09
A018510_01	At5g14970	seed maturation-like protein; j	0	0.32	0.63	0.91	1.16	1.26	1.10	1.1	0.10	-1.93	-0.85
A018516_01	At5g15110	pectate lyase -like protein; pro	0	0.33	0.59	1.00	1.02	1.12	1.77	0.8	0.66	-1.84	-0.93
A018531_01	At5g59750	GTP cyclohydrolase II / 3,4-di	0	1.18	1.40	1.39	1.05	1.55	1.38	1.0	0.20	-1.73	0.76
A018554_01	At5g43130	putative protein; protein id: At	0	0.46	0.74	0.65	0.72	0.79	1.00	0.6	2.21	-2.01	-0.03
A018564_01	At5g04880	unknown protein; protein id: A	0	0.85	0.91	1.10	1.22	1.59	1.36	0.9	0.37	-1.98	-0.28
A018581_01	At5g52450	efflux family protein, putative;	0	0.71	1.20	1.42	1.47	1.63	1.78	1.4	0.06	-2.05	-0.35
A018607_01	At5g54530	putative protein; protein id: At	0	0.07	0.94	1.65	1.92	1.81	1.25	0.9	0.41	-1.65	-0.91
A018625_01	At5g12400	putative protein; protein id: At	0	1.87	2.30	2.34	2.60	2.68	2.80	1.7	0.06	-2.03	0.25
A018628_01	At5g07920	diacylglycerol kinase (ATDGK	0	0.33	0.46	0.59	0.70	0.80	1.05	1.0	0.18	-1.97	-0.70
A018630_01	At5g05860	glucuronosyl transferase-like	0	0.59	1.03	0.91	0.95	0.77	1.03	0.8	0.55	-1.72	0.57
A018635_01	At5g61980	GCN4-complementing proteir	0	-0.21	-0.06	-0.55	-0.83	-1.03	-1.25	0.7	1.61	2.37	1.01
A018637_01	At5g52630	selenium-binding protein-like;	0	1.32	1.41	1.38	1.38	1.38	1.55	1.4	0.06	-1.84	0.82
A018638_01	At5g46220	putative protein; protein id: At	0	-1.34	-1.66	-1.64	-2.01	-2.13	-1.98	1.0	0.16	2.77	-0.56
A018655_01	At5g52950	putative protein; protein id: At	0	0.20	0.93	1.61	1.91	1.93	2.04	1.0	0.16	-1.86	-1.06
A018662_01	At5g35540	putative protein; protein id: At	0	-1.09	-1.48	-1.45	-1.74	-1.73	-2.32	0.8	0.55	2.79	-0.30
A018672_01	At5g35170	adenylate kinase -like protein	0	0.25	0.48	0.89	1.73	1.47	1.03	0.9	0.27	-1.61	-0.96
A018673_01	At5g01920	putative protein; protein id: At	0	2.36	2.32	1.71	0.85	0.81	0.50	1.6	0.06	0.06	2.15
A018694_01	At5g22550	putative protein; protein id: At	0	-0.89	-1.25	-1.12	-1.48	-0.97	-1.88	0.8	0.66	2.59	-0.50

A018709_01	At5g44780	unknown protein; protein id: A	0	-0.12	0.17	0.47	1.07	1.18	2.07	1.4	0.06	-1.40	-1.58
A018711_01	At5g44820	putative protein; protein id: At	0	0.18	0.49	-0.07	-0.86	-1.30	-0.90	0.9	0.41	1.78	1.49
A018715_01	At5g10750	putative protein; protein id: At	0	1.22	1.61	1.71	2.06	2.39	2.74	1.7	0.06	-2.04	-0.40
A018753_01	At5g05220	expressed protein; protein id:	0	0.70	0.84	0.94	1.24	1.30	1.26	0.9	0.41	-2.01	-0.34
A018781_01	At5g17670	putative protein; protein id: At	0	0.21	1.41	1.61	0.84	1.08	1.84	1.1	0.14	-1.46	-0.15
A018803_01	At5g65430	14-3-3 protein GF14 kappa (c	0	-1.80	-1.91	-1.08	-1.20	-1.40	-1.23	1.2	0.06	1.88	-2.10
A018807_01	At5g40200	DegP protease; protein id: At	0	-0.73	-0.75	-0.65	-0.70	-1.06	-0.78	0.9	0.41	2.54	-0.91
A018818_01	At5g41700	E2, ubiquitin-conjugating enzy	0	0.77	0.79	1.03	0.95	0.92	1.22	0.6	4.47	-2.00	0.21
A018823_01	At5g40960	putative protein; protein id: At	0	0.19	0.97	1.68	2.35	2.48	2.46	1.5	0.06	-1.82	-1.26
A018827_01	At5g54870	putative protein; protein id: At	0	1.12	1.40	1.64	1.86	1.97	2.39	1.3	0.06	-2.06	-0.30
A018834_01	At5g64880	expressed protein; protein id:	0	0.83	0.68	0.82	1.03	0.81	0.48	1.0	0.18	-1.32	0.89
A018841_01	At5g57040	putative protein; protein id: At	0	0.67	1.08	1.19	1.53	1.54	1.52	1.7	0.06	-2.04	-0.38
A018844_01	At5g43940	alcohol dehydrogenase (EC 1	0	-0.73	-0.80	-0.88	-1.01	-1.16	-1.19	1.3	0.06	2.80	-0.38
A018849_01	At5g39360	putative protein; protein id: At	0	0.02	-0.28	-0.53	-2.02	-1.10	-0.96	0.6	4.47	2.08	0.84
A018869_01	At5g60670	60S ribosomal protein L12 - li	0	-0.76	-1.46	-1.31	-2.34	-2.72	-2.78	0.9	0.27	2.71	0.48
A018891_01	At5g20630	germin-like protein; protein id	0	-0.27	-2.59	-3.01	NA	-4.67	-4.39	1.0	0.20	NA	NA
A018909_01	At5g64140	40S ribosomal protein S28 (s	0	-1.17	-1.44	-1.24	-1.85	-2.03	-2.06	1.6	0.06	2.81	-0.25
A018911_01	At5g19140	aluminium-induced protein - li	0	1.27	2.02	2.52	2.87	2.57	3.03	1.4	0.06	-2.03	-0.30
A018915_01	At5g65440	putative protein; protein id: At	0	-0.69	-0.85	-1.29	-1.75	-1.98	-2.07	1.2	0.06	2.72	0.47
A018921_01	At5g49920	unknown protein; protein id: A	0	-0.17	0.32	0.52	0.45	0.83	1.02	0.7	1.61	-1.58	-1.40
A018922_01	At5g44340	putative tubulin beta-4 chain	0	-0.53	-0.70	-0.68	-0.79	-1.15	-0.83	0.9	0.37	2.64	-0.18
A018925_01	At5g46180	ornithine aminotransferase; p	0	0.84	0.73	0.90	0.91	0.92	1.35	0.7	1.20	-1.88	0.08
A018932_01	At5g04140	ferredoxin-dependent glutam;	0	0.48	0.86	0.73	0.80	0.32	1.17	0.7	0.96	-1.46	0.35
A018933_01	At5g13550	sulfate transporter; protein id:	0	0.26	0.63	0.80	0.90	1.18	1.94	1.3	0.06	-1.74	-1.03
A018934_01	At5g58410	unknown protein; protein id: A	0	1.95	1.93	1.40	0.66	0.49	0.43	1.8	0.06	0.14	2.17
A018935_01	At5g50800	MtN3-like protein; protein id: /	0	0.46	1.60	2.42	2.68	2.65	3.24	0.6	4.47	-1.90	-0.88
A018937_01	At5g41800	amino acid permease-like pro	0	1.15	2.03	2.56	2.79	3.06	3.65	0.7	1.61	-2.02	-0.60
A018949_01	At5g22270	putative protein; protein id: At	0	1.73	1.06	1.44	1.99	1.76	1.30	1.2	0.06	-1.52	0.45
A018955_01	At5g36890	glycosyl hydrolase family 1; p	0	-0.80	-0.86	-0.92	-0.95	-0.98	-1.01	0.9	0.27	2.66	-0.96
A018964_01	At5g56180	putative protein; protein id: At	0	1.01	1.06	1.11	1.00	1.10	1.17	0.6	4.47	-1.86	0.77
A018974_01	At5g23340	putative protein; protein id: At	0	1.13	0.65	0.44	0.31	0.19	0.39	0.6	4.47	0.14	1.93
A019000_01	At5g67370	putative protein; protein id: At	0	1.13	1.48	1.67	1.49	1.79	1.85	1.3	0.06	-1.97	0.25
A019014_01	At5g47560	sodium-dicarboxylate cotrans	0	1.18	1.59	1.80	1.74	2.09	2.56	1.8	0.06	-2.03	-0.17
A019027_01	At5g13980	glycosyl hydrolase family 38 (	0	-0.01	-0.39	-0.65	-1.08	-1.53	-1.51	0.7	1.61	2.47	1.04
A019041_01	xxxx	b/t putative protein; protein id	0	-0.68	-0.85	-0.90	-0.77	-0.79	-1.25	0.6	4.47	2.59	-0.76
A019046_01	At5g57630	SNF1 related protein kinase-I	0	1.59	2.12	2.34	2.71	2.42	2.41	1.2	0.06	-1.99	0.18
A019047_01	At5g65900	DEAD/DEAH box RNA helica	0	-0.50	-0.48	-0.58	-1.07	-0.98	-1.07	0.7	1.20	2.67	0.29
A019053_01	At5g41520	putative protein; protein id: At	0	-0.17	-0.43	-0.41	-0.95	-1.03	-0.97	0.7	2.21	2.55	0.76
A019057_01	At5g43260	expressed protein; protein id:	0	1.48	1.94	1.90	2.11	2.23	2.44	2.1	0.06	-2.04	0.16
A019074_01	At5g09570	putative protein; protein id: At	0	-1.22	-1.23	-0.67	-1.20	-0.92	-0.54	0.7	1.20	1.57	-1.90
A019086_01	At5g15140	putative aldose 1-epimerase -	0	0.38	0.65	1.03	1.02	1.24	1.51	1.0	0.16	-1.94	-0.79
A019127_01	At5g61130	glycosyl hydrolase family 17; j	0	-1.59	-1.71	-1.77	-1.93	-1.84	-1.93	1.0	0.20	2.66	-1.02
A019145_01	At5g22740	glucosyltransferase-like prote	0	-0.57	-1.55	-1.73	-2.06	-2.49	-2.40	1.1	0.10	2.71	0.30
A019174_01	At5g54730	putative protein; protein id: At	0	1.89	2.18	2.00	2.03	2.10	2.75	2.0	0.06	-1.91	0.52

A019187_01	At5g60960	putative protein; protein id: At	0	-0.58	-0.74	-0.85	-1.25	-1.57	-1.33	0.9	0.41	2.69	0.32
A019213_01	At5g51180	unknown protein	0	0.73	1.12	1.08	1.61	1.39	1.57	0.8	0.66	-2.01	-0.32
A019247_01	At5g06860	polygalacturonase inhibiting p	0	1.53	2.26	1.96	1.92	1.95	1.63	1.2	0.06	-1.60	0.95
A019252_01	At5g11060	homeobox protein knotted-1 l	0	1.22	1.72	1.80	2.19	2.08	2.11	1.4	0.06	-2.03	0.01
A019261_01	At5g55230	putative protein; protein id: At	0	-0.70	-0.82	-0.81	-0.95	-1.28	-1.38	1.0	0.20	2.76	-0.11
A019281_01	At5g14420	putative protein; protein id: At	0	1.17	0.96	0.66	0.32	0.26	0.65	0.8	0.66	-0.17	2.02
A019305_01	At5g37300	putative protein; protein id: At	0	-0.87	-1.78	-1.49	-2.19	-3.08	-3.49	0.9	0.41	2.70	0.39
A019324_01	At5g23310	iron superoxide dismutase (F	0	-0.96	-1.50	-1.50	-1.77	-1.78	-2.29	1.1	0.10	2.78	-0.22
A019361_01	At5g16680	putative protein; protein id: At	0	0.66	0.86	0.82	0.67	0.21	1.09	0.7	0.96	-1.14	0.91
A019383_01	At5g14880	putative cation transport prote	0	0.93	1.38	1.25	1.69	1.39	1.65	1.6	0.06	-1.98	0.16
A019395_01	At5g39400	PTEN -like protein; protein id:	0	0.06	0.24	0.74	0.71	0.72	1.23	0.7	1.61	-1.69	-1.24
A019398_01	At5g04430	KH domain protein Nova, puti	0	-0.05	-0.36	-0.58	-0.93	-1.36	-1.22	0.7	1.61	2.47	1.00
A019423_01	At5g52360	actin depolymerizing factor-lik	0	-0.11	0.18	0.51	0.38	0.85	1.07	0.8	0.66	-1.53	-1.45
A019443_01	At1g09760	putative U2 small nuclear ribc	0	-0.71	-1.05	-0.89	-0.85	-0.59	-0.76	0.8	0.48	2.12	-1.69
A019444_01	At3g08690	E2, ubiquitin-conjugating enzy	0	0.43	0.68	0.95	1.15	1.12	1.47	0.8	0.96	-1.97	-0.79
A019447_01	At1g68990	DNA-directed RNA polymeras	0	-0.80	-0.74	-0.60	-1.37	-1.35	-1.27	0.7	1.20	2.57	0.05
A019456_01	At1g10210	putative mitogen-activated pro	0	0.72	0.64	0.79	1.13	1.00	0.95	0.9	0.27	-1.91	-0.07
A019457_01	At2g18170	MAP kinase (ATMPK7); prote	0	0.60	0.75	0.98	1.04	1.20	1.50	1.1	0.14	-2.01	-0.54
A019466_01	At5g54250	cyclic nucleotide-regulated ion	0	1.40	1.70	1.69	1.34	1.31	1.72	1.0	0.20	-1.63	1.03
A019469_01	At4g34870	peptidylprolyl isomerase (cycl	0	-0.84	-0.93	-0.94	-1.17	-1.44	-1.47	1.3	0.06	2.77	-0.19
A019472_01	At1g65480	flowering signals mediating pi	0	1.00	2.32	3.56	4.08	4.29	4.93	2.5	0.06	-1.95	-0.93
A019474_01	At1g55560	pectinesterase (pectin methyl	0	0.37	0.83	1.20	1.14	1.55	1.93	1.2	0.06	-1.90	-0.90
A019480_01	At3g57490	40S ribosomal protein S2 hor	0	-0.77	-1.22	-1.14	-1.76	-1.69	-1.88	1.0	0.16	2.79	0.05
A019491_01	At3g59970	methylenetetrahydrofolate rec	0	-1.26	-1.49	-1.46	-1.16	-1.54	-1.95	0.7	1.61	2.61	-0.88
A019496_01	At1g09210	putative calcium-binding prote	0	-1.59	-1.49	-1.56	-1.80	-1.78	-1.91	0.9	0.31	2.69	-0.91
A019510_01	At4g19640	GTP-binding protein, putative	0	0.49	0.56	0.62	1.02	1.04	0.94	0.8	0.81	-1.95	-0.56
A019515_01	At4g17840	expressed protein; protein id:	0	1.14	1.37	1.53	1.71	1.91	2.31	1.5	0.06	-2.05	-0.23
A019517_01	At4g18030	putative protein; protein id: At	0	-0.63	-0.56	-0.63	-0.96	-1.20	-1.19	0.7	1.61	2.60	0.21
A019520_01	At4g21900	putative protein; protein id: At	0	-0.06	0.07	0.75	0.88	1.18	1.62	0.8	0.81	-1.57	-1.53
A019524_01	At4g34990	myb family transcription facto	0	-1.03	-1.00	-0.85	-0.29	-0.22	0.18	0.6	4.47	0.20	-2.51
A019532_01	At4g19690	Fe(II) transport protein; protei	0	-1.68	-1.17	-0.95	-0.56	-0.63	-0.17	0.7	1.61	0.60	-2.49
A019544_01	At4g25170	putative protein; protein id: At	0	1.76	1.75	1.46	0.96	0.84	1.32	0.9	0.31	-0.84	1.86
A019560_01	At4g26060	putative protein; protein id: At	0	1.05	1.40	1.59	1.84	2.10	2.18	0.6	4.47	-2.06	-0.35
A019562_01	At4g31840	putative protein; protein id: At	0	-2.91	-3.56	-1.18	-3.76	-3.48	-3.37	1.2	0.06	2.61	-1.11
A019566_01	At4g12600	ribosomal protein L7Ae -like;	0	-1.44	-1.51	-1.28	-2.08	-2.17	-2.26	1.3	0.06	2.74	-0.29
A019572_01	At4g23850	acyl-CoA synthetase - like pro	0	0.31	0.65	0.72	0.84	0.81	1.22	0.7	1.61	-1.93	-0.53
A019576_01	At4g29100	putative protein; protein id: At	0	0.34	0.68	0.99	1.05	1.06	1.82	1.1	0.14	-1.83	-0.87
A019580_01	At4g01410	synaptobrevin VAMP713; pro	0	0.10	-0.32	-0.51	-0.90	-1.01	-1.07	0.8	0.66	2.46	1.01
A019587_01	At4g09030	arabinogalactan-protein (AGF	0	1.24	1.43	0.78	-0.34	-0.61	-0.05	1.0	0.14	0.97	2.02
A019591_01	At4g15440	hydroperoxide lyase (HPOL) l	0	0.08	-0.11	-0.72	-0.98	-1.65	-2.17	1.0	0.14	2.24	1.20
A019602_01	At5g01620	putative protein; protein id: At	0	-1.00	-1.52	-1.53	-1.35	-1.52	-1.97	0.7	1.61	2.70	-0.62
A019608_01	At3g45970	putative protein; protein id: At	0	1.60	1.65	0.82	-0.19	-0.74	-0.56	1.5	0.06	1.13	2.08
A019611_01	At5g02230	putative protein; protein id: At	0	1.88	1.29	0.87	0.23	-0.21	0.72	0.9	0.31	0.41	2.05
A019617_01	At5g04770	amino acid transport - like pro	0	1.05	0.84	0.53	0.62	0.69	0.85	0.7	2.21	-1.14	1.28

A019625_01	At1g04120	ABC transporter family protein	0	0.36	0.23	-0.20	-0.83	-1.36	-0.44	1.0	0.26	1.78	1.41
A019630_01	At3g16780	putative ribosomal protein; pr	0	-0.92	-1.14	-1.00	-1.55	-1.20	-1.55	0.9	0.27	2.72	-0.46
A019633_01	At3g22850	unknown protein; protein id: A	0	-1.73	-1.38	-1.27	-1.25	-0.59	-0.45	0.8	0.96	1.03	-2.39
A019636_01	xxxx	b/t protein phosphatase 2A re	0	0.42	0.79	1.03	1.34	1.14	1.45	0.7	2.21	-1.98	-0.67
A019638_01	At3g25220	immunophilin (FKBP15-1); pr	0	-1.10	-1.07	-1.14	-1.17	-1.19	-1.25	0.9	0.37	2.63	-1.11
A019640_01	At5g41060	putative protein; protein id: At	0	-1.19	-1.50	-1.54	-1.42	-1.77	NA	0.8	0.96	NA	NA
A019641_01	At3g28900	60S ribosomal protein L34, pr	0	-0.82	-1.22	-1.15	-1.75	-2.05	-2.04	0.9	0.27	2.78	0.18
A019642_01	At5g48880	3-keto-acyl-CoA thiolase 2 (gl	0	-2.29	-2.05	-1.86	-1.64	-1.59	-1.48	0.6	2.21	1.90	-2.09
A019649_01	At5g43970	putative protein; protein id: At	0	-0.92	-0.99	-0.89	-0.92	-0.80	-1.04	0.7	1.20	2.47	-1.43
A019650_01	At5g55180	glycosyl hydrolase family 17; j	0	-1.50	-0.43	-0.43	-0.50	-0.48	-0.85	0.6	4.47	1.05	-1.54
A019659_01	At5g51640	putative protein; protein id: At	0	1.13	1.25	1.01	0.76	0.92	1.36	1.2	0.06	-1.50	1.12
A019663_01	At3g23570	expressed protein; protein id:	0	0.61	1.12	1.09	1.64	1.87	1.99	0.8	0.55	-2.01	-0.72
A019668_01	At3g19030	expressed protein; protein id:	0	1.81	2.57	2.64	2.25	2.17	2.18	1.4	0.06	-1.65	0.90
A019672_01	At5g04940	SET-domain protein-like; prot	0	-0.91	-1.02	-0.69	-0.45	-0.19	-0.31	1.0	0.16	0.79	-2.52
A019680_01	At5g24420	6-phosphogluconolactonase-l	0	-2.31	-2.92	-2.71	-3.76	-3.63	-3.46	0.8	0.48	2.76	-0.54
A019686_01	At5g53030	putative protein; protein id: At	0	0.56	1.26	1.52	1.80	1.63	1.99	1.0	0.18	-1.98	-0.54
A019692_01	At5g63580	flavonol synthase; protein id: .	0	1.20	1.76	2.75	4.11	4.18	3.68	0.8	0.81	-1.90	-0.89
A019698_01	At5g63790	putative protein; protein id: At	0	1.30	1.95	2.05	2.35	2.41	3.04	1.4	0.06	-2.05	-0.25
A019699_01	At5g44090	protein phosphatase 2A 62 kD	0	0.51	0.56	0.61	0.74	0.77	1.00	1.0	0.16	-2.03	-0.20
A019710_01	At5g23900	60S ribosomal protein L13; pr	0	-0.35	-0.73	-0.90	-1.60	-1.84	-1.85	0.7	1.20	2.62	0.74
A019718_01	At5g53880	expressed protein; protein id:	0	-0.27	-0.67	-0.75	-1.34	-2.16	-1.92	1.2	0.06	2.53	0.83
A019724_01	At5g44580	expressed protein; protein id:	0	1.81	2.58	2.43	2.33	2.24	2.36	1.1	0.06	-1.79	0.77
A019725_01	At5g54510	auxin-responsive-like protein;	0	1.08	1.18	0.75	0.13	0.07	0.04	1.2	0.06	0.56	2.18
A019741_01	At5g01240	LAX1 / AUX1 -like permease;	0	-0.34	-0.87	-1.10	-1.15	-1.16	-1.51	1.1	0.14	2.58	0.08
A019744_01	At5g15050	N-acetylglucosaminyltransfer	0	-0.61	-0.61	-0.70	-0.36	-0.46	-1.13	0.6	4.47	2.13	-0.82
A019758_01	At4g13770	cytochrome p450 family; prot	0	0.04	1.67	2.95	3.35	3.34	4.16	1.7	0.06	-1.81	-1.18
A019761_01	At1g04680	putative pectate lyase A11; pr	0	-0.70	-0.63	-1.20	-1.74	-2.08	-1.96	1.0	0.14	2.63	0.59
A019766_01	At5g27430	signal peptidase; protein id: A	0	-0.68	-0.75	-0.75	-0.62	-0.59	-1.13	0.7	1.20	2.44	-0.92
A019771_01	At2g22670	auxin-regulated protein (IAA8	0	-1.02	-1.36	-1.22	-1.26	-1.49	-1.54	0.8	0.66	2.73	-0.79
A019781_01	At2g46830	myb-related transcription fact	0	0.54	0.96	1.28	1.26	1.29	2.21	0.8	0.66	-1.85	-0.60
A019785_01	At1g13210	potential phospholipid-transp	0	0.11	1.01	1.21	1.60	1.55	1.57	0.9	0.41	-1.85	-0.94
A019810_01	At1g18720	expressed protein; protein id:	0	0.25	0.56	0.87	0.95	0.84	1.03	0.8	0.55	-1.94	-0.68
A019812_01	At3g51860	Ca ²⁺ /H ⁺ -exchanging protein-	0	1.90	2.35	2.45	2.31	2.32	2.94	1.1	0.06	-1.95	0.46
A019813_01	At1g33040	expressed protein; protein id:	0	-1.21	-1.42	-1.40	-1.53	-1.26	-1.50	0.9	0.26	2.62	-1.12
A019815_01	At1g04780	hypothetical protein; protein ic	0	0.53	0.71	0.70	0.69	0.70	1.16	1.0	0.20	-1.88	-0.01
A019828_01	At2g29390	putative C-4 sterol methyl oxi	0	-0.41	-0.93	-0.84	-1.01	-0.95	-1.18	0.7	2.21	2.71	-0.25
A019831_01	At2g45910	putative protein kinase; protei	0	0.51	0.95	1.11	1.28	1.50	1.44	0.6	4.47	-2.02	-0.58
A019834_01	At2g35120	glycine decarboxylase comple	0	-0.48	-0.93	-0.78	-0.47	-0.99	-1.23	0.7	0.96	2.45	-0.44
A019858_01	At2g39010	putative aquaporin (water cha	0	-0.42	-0.47	-0.89	-1.08	-1.25	-1.60	0.8	0.81	2.64	0.57
A019861_01	At2g37470	putative histone H2B; protein	0	-1.47	-1.33	-0.94	-0.54	-0.44	-0.53	0.9	0.27	0.85	-2.59
A019866_01	At2g37020	translin-like protein; protein id	0	-1.45	-1.79	-1.45	-1.30	-1.37	-1.57	0.7	1.61	2.35	-1.60
A019872_01	At2g01820	putative receptor-like protein l	0	-0.07	-0.19	-0.31	-0.84	-1.02	-0.59	0.9	0.37	2.27	0.96
A019874_01	At2g01890	putative purple acid phosphat	0	3.08	3.14	3.34	3.64	3.68	3.62	1.3	0.06	-1.94	0.54
A019882_01	At2g20490	expressed protein; protein id:	0	-0.74	-1.21	-0.92	-1.47	-1.51	-1.64	0.9	0.37	2.80	-0.14

A019885_01	At2g21580	40S ribosomal protein S25; p	0	-0.71	-0.96	-0.92	-1.37	-1.41	-1.38	1.0	0.18	2.80	-0.10
A019887_01	At2g36160	40S ribosomal protein S14; p	0	-0.66	-1.10	-1.02	-1.52	-1.61	-1.66	1.1	0.10	2.80	0.09
A019892_01	At1g78290	serine-threonine protein kinas	0	1.92	2.21	2.42	2.77	2.73	2.89	1.2	0.06	-2.04	0.17
A019893_01	At1g64780	ammonium transporter, putat	0	0.71	1.97	2.51	2.67	2.60	2.80	0.9	0.27	-1.92	-0.51
A019926_01	At1g77920	bZIP transcription factor, bZIF	0	1.29	1.56	1.68	2.17	1.57	2.20	1.0	0.16	-1.96	0.09
A019934_01	At3g16950	dihydrolipoamide dehydrogen	0	-0.02	-0.26	-0.46	-0.81	-1.18	-1.16	1.1	0.14	2.46	1.03
A019936_01	At5g27770	60S ribosomal protein L22 - li	0	-0.57	-0.60	-0.55	-0.78	-0.87	-1.09	0.8	0.48	2.75	-0.16
A019940_01	At1g06430	FtsH protease, putative; prote	0	0.93	1.43	1.26	1.48	1.79	1.62	1.0	0.16	-2.00	0.05
A019941_01	At1g60010	expressed protein; protein id:	0	1.04	0.96	0.88	0.89	0.39	0.10	0.9	0.27	-0.12	1.83
A019942_01	At1g07090	expressed protein; protein id:	0	-1.14	-0.58	-0.10	0.42	0.21	-0.20	0.6	4.47	-0.20	-2.13
A019952_01	At1g55210	disease resistance response	0	-1.04	-0.84	-0.80	-1.21	-1.29	-1.06	1.0	0.16	2.49	-0.63
A019954_01	At1g71040	spore coat protein-like proteir	0	1.45	1.77	1.64	1.57	1.75	1.90	1.5	0.06	-1.87	0.71
A019958_01	At1g29970	60S ribosomal protein L18A, j	0	0.73	0.78	0.92	1.07	1.15	1.06	1.1	0.14	-2.01	-0.03
A019964_01	At1g74660	expressed protein; protein id:	0	0.12	0.98	1.22	1.86	1.66	1.28	0.7	1.61	-1.70	-0.84
A019971_01	At3g01270	putative pectate lyase; proteir	0	0.47	0.71	1.23	1.22	1.37	2.23	1.2	0.06	-1.82	-0.89
A019975_01	At3g01060	unknown protin; protein id: At	0	-0.05	0.32	0.56	0.92	1.10	0.98	0.9	0.41	-1.72	-1.41
A019976_01	At3g03780	putative methionine synthase	0	-0.69	0.21	0.97	2.37	1.51	1.23	0.6	4.47	-1.25	-1.43
A019985_01	At3g19800	expressed protein; protein id:	0	0.89	0.98	0.99	1.29	1.40	1.37	1.4	0.06	-2.03	-0.04
A019991_01	At1g73230	putative transcription factor B	0	-0.79	-1.17	-1.15	-1.42	-1.37	-1.55	1.1	0.10	2.81	-0.35
A019995_01	At1g78070	expressed protein; protein id:	0	0.02	0.46	0.62	0.79	0.94	1.19	0.6	4.47	-1.81	-1.21
A020001_01	At1g55490	rubisco subunit binding-protei	0	-1.07	-1.47	-1.43	-1.60	-1.62	-2.16	0.8	0.66	2.78	-0.40
A020005_01	At2g17840	putative senescence-associa	0	0.69	1.31	1.23	0.88	0.41	0.74	0.6	4.47	-0.91	1.39
A020008_01	At2g39420	putative phospholipase; prote	0	-0.35	-0.16	0.54	0.78	1.08	1.75	1.3	0.06	-1.36	-1.78
A020009_01	At5g07220	putative protein; protein id: At	0	1.23	1.31	1.36	1.74	1.45	1.85	0.8	0.81	-1.99	0.26
A020012_01	At4g26590	isp4 like protein; protein id: At	0	-0.81	-1.93	-1.38	-1.57	-1.99	-2.15	0.8	0.66	2.67	-0.29
A020014_01	At2g45470	fasciclin-like arabinogalactan-	0	-1.13	-1.35	-1.49	-2.85	-2.45	-2.07	1.0	0.20	2.61	0.14
A020016_01	At4g17460	homeobox-leucine zipper pro	0	-0.67	-1.11	-1.14	-1.94	-1.99	-2.05	1.2	0.06	2.75	0.33
A020022_01	At5g13750	transporter-like protein	0	0.12	0.61	1.28	0.92	1.68	2.17	1.2	0.06	-1.68	-1.14
A020033_01	At3g21690	integral membrane protein, pi	0	0.69	1.44	1.78	2.06	2.00	2.60	1.6	0.06	-1.99	-0.64
A020037_01	At1g32550	ferredoxin, putative; protein ic	0	-0.41	-0.40	-0.61	-0.60	-0.76	-1.04	0.8	0.66	2.67	0.16
A020039_01	xxxx	b/t hypothetical protein; protei	0	-0.74	-1.28	-1.45	-1.53	-1.69	-1.61	0.9	0.41	2.72	-0.25
A020045_01	At3g26740	light regulated protein, putativ	0	1.61	1.68	1.95	2.24	2.40	2.18	1.1	0.14	-2.01	0.10
A020048_01	At2g19520	putative WD-40 repeat proteir	0	-1.06	-1.15	-1.03	-1.14	-1.03	-1.04	1.1	0.14	2.46	-1.45
A020050_01	At3g53900	uracil phosphoribosyltransfer;	0	-2.31	-2.58	-2.33	-3.33	-2.68	NA	1.0	0.18	NA	NA
A020053_01	At3g14067	subtilisin-like serine protease,	0	1.24	1.48	1.52	1.63	1.68	2.12	0.8	0.66	-2.02	0.15
A020054_01	At3g56090	putative protein; protein id: At	0	-0.99	-0.88	-0.79	-1.05	-1.09	-1.25	1.0	0.14	2.65	-0.78
A020055_01	At5g66052	expressed protein; protein id:	0	0.69	0.49	0.59	0.76	1.08	0.93	0.7	0.96	-1.74	-0.31
A020062_01	At1g54290	protein translation factor Sui1	0	1.08	1.45	1.60	1.77	1.93	2.13	1.4	0.06	-2.07	-0.15
A020064_01	At4g24570	mitochondrial carrier proteir f	0	1.13	1.81	1.79	1.67	1.09	1.33	1.4	0.06	-1.37	1.01
A020065_01	At5g62680	peptide transporter; protein id	0	0.78	1.67	1.89	1.74	1.47	2.31	1.0	0.20	-1.85	-0.05
A020070_01	At1g22740	ras-related GTP-binding prote	0	1.54	1.01	0.66	0.12	0.08	0.07	0.6	4.47	0.71	2.09
A020071_01	At1g22990	copper chaperone (CCH)-rela	0	-0.61	-1.13	-0.79	-1.21	-1.51	-2.12	0.7	2.21	2.66	0.06
A020076_01	At3g13450	branched chain alpha-keto ac	0	1.47	1.26	1.13	0.48	0.36	0.50	0.7	1.20	0.04	2.15
A020083_01	At3g63530	putative protein; protein id: At	0	-0.02	0.22	0.34	0.62	1.00	0.57	0.7	1.61	-1.55	-1.37

A020086_01	At2g39460	60S ribosomal protein L23A; |	0	-0.71	-0.87	-0.85	-1.31	-1.59	-1.50	1.3	0.06	2.75	0.16
A020101_01	At5g65670	auxin-induced protein (IAA9)	0	-0.77	-0.82	-0.57	-0.69	-0.84	-1.01	0.9	0.41	2.51	-0.93
A020102_01	At5g02840	myb family transcription facto	0	1.07	0.69	0.77	0.88	1.07	1.09	0.9	0.41	-1.68	0.45
A020103_01	At3g54600	putative protein; protein id: At	0	0.47	0.55	0.95	1.19	1.23	1.67	0.9	0.31	-1.92	-0.88
A020105_01	At5g04760	l-box binding factor - like prot	0	1.43	1.58	1.93	2.37	2.29	2.66	1.2	0.06	-2.05	-0.25
A020109_01	At1g50290	expressed protein; protein id:	0	1.30	1.21	1.22	0.96	0.91	0.82	0.6	4.47	-1.08	1.69
A020116_01	At5g12170	putative protein; protein id: At	0	0.83	1.27	1.31	1.71	1.66	1.55	1.4	0.06	-2.02	-0.17
A020119_01	At5g20490	myosin-like protein; protein id	0	0.37	0.64	0.82	0.63	0.53	1.55	0.7	1.20	-1.54	-0.43
A020121_01	At4g31450	putative protein; protein id: At	0	0.60	0.92	1.21	1.37	1.64	1.67	1.4	0.06	-2.02	-0.67
A020126_01	At5g59960	putative protein; protein id: At	0	1.14	1.27	1.34	1.62	1.60	1.74	0.9	0.27	-2.04	0.11
A020144_01	At1g68440	expressed protein; protein id:	0	1.49	1.31	1.16	0.49	0.65	1.18	0.9	0.26	-0.68	1.77
A020145_01	xxxx	No hits found	0	1.56	1.43	1.26	0.66	0.95	1.49	0.9	0.37	-1.07	1.47
A020157_01	At5g27600	long-chain-fatty-acid--CoA lig;	0	0.74	0.91	0.91	0.75	0.94	1.64	0.9	0.41	-1.76	-0.01
A020160_01	At1g33970	expressed protein; protein id:	0	0.85	1.28	1.53	1.71	1.52	1.86	0.8	0.81	-2.04	-0.18
A020171_01	At3g02730	thioredoxin f1; protein id: At3g	0	-0.05	0.48	0.47	1.01	1.11	0.44	0.6	4.47	-1.40	-1.03
A020172_01	At2g01450	putative MAP kinase; protein	0	0.94	1.07	0.93	1.02	1.29	1.37	1.2	0.06	-1.97	0.36
A020178_01	At1g69040	unknown protein; protein id: A	0	-0.84	-1.04	-0.61	-0.77	-0.54	-0.59	0.7	1.61	1.76	-2.11
A020186_01	At4g36220	ferulate-5-hydroxylase (FAH1)	0	-0.45	-0.15	0.45	1.74	1.64	1.70	0.8	0.55	-1.41	-1.81
A020187_01	At3g62020	germin-like protein (GLP10); |	0	-0.37	0.11	0.84	2.64	2.08	1.18	0.7	2.21	-1.28	-1.42
A020189_01	At3g16857	ARR1 protein, putative; protei	0	1.23	1.16	1.27	1.32	1.32	1.55	1.1	0.06	-1.93	0.52
A020192_01	At2g27150	aldehyde oxidase; protein id:	0	1.57	1.82	1.85	2.01	2.26	2.72	1.3	0.06	-2.03	0.04
A020197_01	At4g01310	putative L5 ribosomal protein;	0	-0.68	-1.03	-1.05	-1.04	-0.99	-1.64	0.7	2.21	2.65	-0.40
A020200_01	At2g01320	ABC transporter family protei	0	0.40	0.45	0.71	0.88	1.09	0.85	0.9	0.27	-1.92	-0.71
A020213_01	At1g79990	putative coatomer protein cor	0	-0.18	-0.16	-0.46	-0.87	-0.87	-1.18	0.8	0.96	2.43	0.96
A020214_01	At3g47960	putative peptide transporter; p	0	1.07	1.78	1.48	0.97	0.47	1.07	1.2	0.06	-0.72	1.54
A020216_01	At1g09630	GTP-binding protein, putative	0	-1.19	-1.12	-1.05	-1.00	-1.06	NA	0.6	4.47	NA	NA
A020217_01	At2g28790	putative thaumatin; protein id:	0	-1.99	-3.05	-1.95	-3.24	-3.07	-2.52	1.3	0.06	2.57	-0.91
A020221_01	At3g10740	glycosyl hydrolase family 51; |	0	2.17	2.12	2.21	2.44	2.12	2.17	1.2	0.06	-1.78	0.86
A020225_01	At3g62550	putative protein; protein id: At	0	1.55	1.78	2.58	3.06	3.01	2.48	1.1	0.10	-1.96	-0.31
A020226_01	At3g01400	expressed protein; protein id:	0	0.39	0.40	0.64	0.78	0.93	1.01	0.8	0.55	-1.97	-0.79
A020241_01	At5g61530	auxin-regulated protein; prote	0	0.52	0.42	0.73	0.89	1.05	1.10	1.2	0.06	-1.94	-0.71
A020243_01	At1g07230	unknown protein; protein id: A	0	0.36	0.65	0.84	1.02	1.02	0.99	1.1	0.06	-2.00	-0.59
A020258_01	At5g22630	chorismate mutase/prephena	0	-0.40	-0.27	0.54	1.87	1.75	0.97	1.0	0.18	-1.22	-1.69
A020260_01	At3g01700	arabinogalactan-protein (AGF	0	0.20	0.60	0.89	0.81	1.14	1.28	1.1	0.14	-1.90	-0.97
A020264_01	At5g09900	putative 26S proteasome p55	0	-0.95	-1.10	-1.02	-1.01	-0.64	-0.92	0.8	0.81	2.15	-1.75
A020265_01	At4g13950	expressed protein; protein id:	0	-1.02	-1.38	-1.16	-1.00	-1.09	-1.59	0.7	1.61	2.52	-1.11
A020286_01	At3g23560	expressed protein; protein id:	0	0.01	-0.49	-0.76	-1.71	-1.29	-0.49	1.0	0.16	1.95	0.41
A020289_01	At1g21680	expressed protein; protein id:	0	1.40	1.71	2.01	2.15	2.44	1.74	1.0	0.16	-1.89	0.16
A020290_01	At4g17940	putative protein; protein id: At	0	0.89	0.83	1.23	1.30	1.12	1.25	0.6	4.47	-1.97	0.15
A020300_01	At1g22780	putative 40S ribosomal protei	0	-0.46	-1.17	-1.15	-1.69	-1.95	-2.04	1.0	0.18	2.72	0.44
A020303_01	At5g19510	elongation factor 1B alpha-su	0	-0.30	-0.68	-0.83	-1.31	-1.58	-1.58	0.6	4.47	2.63	0.70
A020306_01	At1g74410	putative RING zinc finger prot	0	0.27	0.51	0.85	1.06	1.28	1.30	0.8	0.55	-1.90	-1.09
A020314_01	At2g28190	copper/zinc superoxide dismut	0	-1.40	-2.52	-3.36	-4.13	-3.74	-3.66	0.9	0.31	2.71	0.07
A020317_01	At4g27410	putative protein; protein id: At	0	2.20	2.16	2.29	2.53	2.72	3.55	1.3	0.06	-1.97	0.10

A020340_01	At3g43980	ribosomal S29 -like protein; p	0	-0.77	-1.03	-0.97	-1.43	-1.64	-1.61	1.5	0.06	2.80	0.01
A020342_01	At2g05630	AtAPG8d; putative microtubul	0	0.61	0.87	1.01	1.16	1.13	1.23	0.9	0.41	-2.06	-0.25
A020343_01	At3g21870	PREG-like protein, putative; p	0	1.43	0.94	0.68	0.44	0.37	0.22	1.0	0.16	0.26	2.10
A020344_01	At2g29420	glutathione transferase, putat	0	1.27	1.57	1.52	1.18	1.09	1.78	0.9	0.26	-1.61	0.94
A020345_01	At2g45530	expressed protein; protein id:	0	0.23	0.62	0.96	1.17	1.40	1.18	1.0	0.18	-1.88	-1.04
A020349_01	At3g26060	putative peroxiredoxin; protei	0	-0.54	-1.10	-1.36	-1.42	-1.27	-2.23	0.8	0.81	2.61	0.11
A020350_01	At3g15500	putative jasmonic acid regula	0	2.75	2.56	2.56	2.12	2.16	3.79	1.1	0.10	-1.62	0.71
A020352_01	At4g39090	cysteine proteinase RD19A; p	0	1.68	1.69	1.91	2.15	2.37	2.40	1.0	0.16	-2.01	0.08
A020381_01	At5g28060	40S ribosomal protein S19 - li	0	-0.82	-1.21	-1.21	-1.76	-2.02	-2.10	1.0	0.16	2.78	0.20
A020382_01	At1g71220	putative UDP-glucose:glycopr	0	-1.14	-0.98	-0.91	-1.12	-1.03	-0.97	0.8	0.96	2.40	-1.39
A020383_01	At2g45030	mitochondrial elongation fact	0	-1.02	-1.09	-0.94	-1.05	-0.78	-0.88	0.6	4.47	2.23	-1.71
A020385_01	At2g21160	putative signal sequence rece	0	-0.70	-0.73	-0.85	-0.97	-1.09	-1.22	0.7	0.96	2.80	-0.25
A020390_01	At2g22500	mitochondrial carrier protein f	0	-0.73	-0.34	-0.54	-1.35	-1.76	-0.95	0.8	0.96	2.19	0.44
A020400_01	At3g15630	expressed protein; protein id:	0	1.97	1.43	1.26	0.85	0.50	0.45	0.8	0.66	0.04	2.17
A020406_01	At2g04390	40S ribosomal protein S17; p	0	-1.00	-1.26	-1.15	-1.60	-1.76	-1.69	1.4	0.06	2.81	-0.31
A020410_01	At2g28470	glycosyl hydrolase family 35 (	0	-1.85	-2.35	-2.16	-2.18	-2.81	-2.59	1.3	0.06	2.70	-0.80
A020419_01	At2g16740	E2, ubiquitin-conjugating enzy	0	0.69	1.67	1.86	1.96	1.99	2.53	1.5	0.06	-1.98	-0.45
A020420_01	At1g55450	expressed protein; protein id:	0	0.85	1.54	1.74	2.38	2.50	2.19	0.6	2.21	-1.99	-0.57
A020421_01	At1g78240	unknown protein; protein id: A	0	0.75	0.88	0.90	0.89	0.55	0.59	0.7	2.21	-1.13	1.30
A020427_01	At1g56610	unknown protein; protein id: A	0	0.34	0.32	0.76	1.05	1.27	1.20	0.8	0.66	-1.81	-1.17
A020428_01	At1g17840	ABC transporter family protei	0	-0.31	-0.08	-0.20	-0.81	-1.23	-0.97	0.8	0.81	2.06	0.93
A020436_01	At2g36930	expressed protein; protein id:	0	0.57	-0.52	-0.44	-0.90	-1.14	-0.93	0.6	4.47	2.17	1.13
A020438_01	At4g37200	thiol-disulfide interchange like	0	0.50	0.86	0.93	0.93	1.21	1.14	0.9	0.31	-2.01	-0.27
A020440_01	At5g46430	ribosomal protein L32; proteir	0	-0.46	-0.76	-0.69	-1.09	-1.47	-1.16	0.7	0.96	2.69	0.29
A020452_01	At3g13520	arabinogalactan-protein (AGF	0	-0.23	-0.53	-1.08	-1.93	-2.10	-2.01	1.5	0.06	2.50	0.95
A020460_01	At4g16670	hypothetical protein; protein ic	0	1.82	1.91	1.83	1.37	1.60	1.31	0.9	0.41	-1.26	1.53
A020470_01	At5g63890	histidinol dehydrogenase; pro	0	-0.91	-0.87	-0.96	-1.02	-0.81	-1.13	0.8	0.66	2.59	-1.07
A020481_01	At3g18940	expressed protein; protein id:	0	-0.90	-1.01	-0.95	-1.02	-1.02	-1.18	0.8	0.55	2.68	-1.03
A020482_01	At2g23810	hypothetical protein; protein ic	0	1.19	1.38	1.12	0.82	0.86	1.11	1.0	0.26	-1.18	1.54
A020490_01	At4g27760	forever young gene (FEY); pr	0	-0.31	-0.67	-0.73	-0.92	-0.74	-1.09	0.7	2.21	2.66	-0.03
A020497_01	At2g47910	expressed protein; protein id:	0	0.53	0.93	1.01	1.16	1.29	1.20	1.0	0.16	-2.03	-0.34
A020501_01	At5g61440	thioredoxin-like 3; protein id: /	0	0.64	-0.02	-0.36	-2.22	-2.68	-2.12	1.6	0.06	2.17	1.39
A020504_01	At3g21760	putative UDP-glucose glucosyl	0	0.86	0.79	0.93	0.82	0.66	1.20	0.7	0.96	-1.68	0.70
A020509_01	At3g19010	expressed protein; protein id:	0	0.99	1.12	1.11	1.38	1.36	1.87	1.1	0.10	-2.01	-0.06
A020515_01	At5g58350	MAP kinase; protein id: At5g5	0	1.86	1.89	1.72	1.44	1.83	2.25	1.1	0.14	-1.73	0.87
A020516_01	At5g20720	chloroplast Cpn21 protein; pr	0	-1.19	-1.47	-1.32	-1.43	-1.43	-1.95	0.6	4.47	2.71	-0.77
A020524_01	At3g02040	expressed protein; protein id:	0	-1.64	-1.60	-1.04	-2.48	-1.49	-0.89	0.7	1.61	1.91	-1.28
A020529_01	At3g11410	hypothetical protein; protein ic	0	0.95	1.10	1.58	1.68	1.59	2.02	1.2	0.06	-2.03	-0.29
A020530_01	At1g29240	unknown protein; protein id: A	0	1.25	1.75	1.98	1.97	1.57	1.92	1.1	0.14	-1.87	0.47
A020537_01	At1g71260	unknown protein; protein id: A	0	-0.67	-1.06	-0.85	-1.23	-0.71	-1.45	0.6	4.47	2.49	-0.50
A020541_01	At2g42490	putative copper amine oxidas	0	0.80	0.89	0.67	0.61	0.45	1.36	0.8	0.81	-1.32	0.62
A020546_01	At2g17220	putative protein kinase; protei	0	0.84	1.04	0.88	0.68	0.80	1.18	0.8	0.55	-1.64	0.88
A020550_01	At3g07110	putative 60S ribosomal protei	0	-0.66	-1.01	-0.91	-1.49	-1.81	-1.96	1.0	0.16	2.72	0.36
A020551_01	At4g03260	putative protein phosphatase	0	0.42	0.69	0.70	0.56	0.85	1.23	1.0	0.26	-1.85	-0.29

A020556_01	At3g22840	early light-induced protein; pr	0	-1.51	-1.94	-1.52	-1.75	-2.00	-1.32	1.0	0.14	2.25	-1.34
A020557_01	At5g23740	40S ribosomal protein S11; pi	0	-0.62	-1.06	-0.67	-1.23	-1.23	-1.38	0.8	0.96	2.80	-0.22
A020559_01	At3g60530	GATA zinc finger protein; proi	0	-0.36	-1.47	-1.63	-2.05	-2.53	-2.52	1.3	0.06	2.65	0.46
A020560_01	At3g47340	glutamine-dependent asparaç	0	3.09	2.57	1.36	-0.73	-0.58	-0.56	0.7	1.20	1.06	2.11
A020564_01	At1g27290	expressed protein; protein id:	0	1.21	1.18	1.17	1.10	0.87	1.04	0.9	0.48	-1.44	1.41
A020565_01	At3g10980	unknown protein; protein id: A	0	1.04	0.77	0.78	0.55	0.01	0.46	0.8	0.81	-0.04	1.99
A020580_01	At4g34230	cinnamyl alcohol dehydrogen:	0	2.16	2.15	2.01	2.03	1.68	1.87	0.8	0.55	-1.48	1.35
A020588_01	At3g60690	putative protein; protein id: At	0	1.95	2.49	2.70	2.88	2.90	3.05	2.0	0.06	-2.03	0.22
A020589_01	At5g65210	bZIP transcription factor, TGA	0	2.08	2.41	2.76	2.84	3.03	3.55	1.8	0.06	-2.05	0.05
A020590_01	At5g48380	receptor-like protein kinase; ç	0	0.86	1.56	1.33	0.94	0.69	0.95	0.8	0.48	-1.00	1.33
A020592_01	At5g48480	expressed protein; protein id:	0	-0.19	-0.62	-0.54	-1.25	-1.15	-1.03	0.6	4.47	2.59	0.56
A020594_01	At4g23690	disease resistance response	0	-1.51	-0.70	-0.60	-0.35	-1.76	-2.21	0.7	1.61	1.78	-0.21
A020599_01	At1g79500	2-dehydro-3-deoxyphosphoc	0	-1.01	-1.77	-1.57	-1.44	-1.72	-2.34	1.2	0.06	2.65	-0.53
A020602_01	At2g39940	coronatine-insensitive 1 (COI	0	0.65	0.86	1.10	1.10	1.01	1.26	1.0	0.18	-2.02	-0.02
A020603_01	At5g06530	ABC transporter family protei	0	1.14	1.80	2.06	2.05	2.13	2.59	0.8	0.81	-2.03	-0.12
A020605_01	At2g25450	putative dioxygenase; protein	0	2.79	3.45	3.27	3.59	3.88	4.41	1.5	0.06	-2.02	0.28
A020606_01	At5g52920	pyruvate kinase; protein id: At	0	-0.09	-0.08	-0.28	-0.90	-1.21	-1.20	0.8	0.66	2.27	1.16
A020611_01	At1g07990	unknown protein; protein id: A	0	0.33	0.60	0.63	0.58	0.74	1.01	1.0	0.20	-1.95	-0.36
A020613_01	At4g13550	putative protein; protein id: At	0	0.64	1.25	1.62	1.78	2.04	2.17	1.7	0.06	-2.01	-0.67
A020617_01	At1g54100	aldehyde dehydrogenase hon	0	2.07	1.95	1.56	1.55	1.84	1.94	1.1	0.14	-1.56	1.13
A020627_01	At3g17780	unknown protein; protein id: A	0	-0.91	-0.81	-0.83	-0.68	-0.60	-1.04	0.6	4.47	2.24	-1.51
A020633_01	At4g36040	DnaJ-like protein; protein id: A	0	1.51	1.48	1.55	1.26	1.24	2.15	0.8	0.55	-1.68	0.70
A020645_01	At2g01490	expressed protein; protein id:	0	1.35	1.39	1.34	1.38	1.11	1.25	0.8	0.48	-1.59	1.21
A020654_01	At1g49050	expressed protein; protein id:	0	1.08	1.34	1.20	1.23	1.42	1.40	0.9	0.31	-1.92	0.58
A020656_01	At3g29810	phytochelatin synthetase-like	0	1.20	1.17	0.56	-0.10	-0.03	0.43	1.0	0.26	0.47	2.06
A020659_01	At3g03630	O-acetylserine (thiol) lyase; pi	0	-1.06	-1.40	-1.32	-1.07	-1.56	-2.11	0.7	1.61	2.62	-0.53
A020671_01	At4g27580	expressed protein; protein id:	0	0.00	0.42	0.88	0.97	0.99	1.39	1.2	0.06	-1.76	-1.26
A020686_01	At2g36630	unknown protein; protein id: A	0	1.60	1.61	1.42	0.85	0.95	1.08	1.0	0.18	-0.84	1.87
A020689_01	At3g44750	putative histone deacetylase;	0	-1.60	-1.96	-1.56	-2.73	-2.84	-2.92	1.6	0.06	2.77	-0.12
A020697_01	At1g78630	ribosomal protein L13, putativ	0	-0.45	-0.97	-0.97	-0.97	-1.03	-1.60	0.7	0.96	2.67	-0.04
A020704_01	At1g02205	hypothetical protein; protein ic	0	-0.59	-0.29	-0.71	-0.83	-1.57	-1.55	0.7	2.21	2.39	0.64
A020708_01	At1g74910	putative GDP-mannose pyrop	0	0.60	0.70	0.69	1.07	1.25	0.83	1.1	0.14	-1.87	-0.24
A020710_01	At1g71030	myb family transcription facto	0	1.45	1.58	1.77	2.32	2.16	2.09	1.9	0.06	-2.01	0.05
A020727_01	At1g12000	putative pyrophosphate-fructc	0	-1.46	-1.47	-1.36	-1.43	-1.94	-2.04	1.0	0.14	2.67	-0.65
A020730_01	At3g18000	methyltransferase, putative; p	0	-2.58	-2.93	-2.60	-2.88	-3.10	-3.36	1.1	0.14	2.69	-1.00
A020731_01	At2g40000	putative nematode-resistance	0	3.31	3.20	3.11	2.56	2.15	3.04	0.8	0.81	-1.36	1.47
A020732_01	At4g17190	farnesyl pyrophosphate synth	0	-1.32	-1.50	-1.41	-1.48	-1.97	-2.29	1.0	0.16	2.74	-0.46
A020733_01	At5g47770	farnesyl pyrophosphate synth	0	-0.93	-1.19	-1.36	-1.66	-1.81	-2.09	1.0	0.16	2.81	-0.03
A020734_01	At1g17020	SRG1-like protein; protein id:	0	0.93	0.63	0.27	-0.42	0.36	1.67	0.9	0.31	-0.24	0.11
A020735_01	At4g02500	putative glycosyltransferase; j	0	-0.63	-0.73	-0.98	-1.17	-1.75	-1.96	0.8	0.55	2.64	0.47
A020741_01	At4g26080	protein phosphatase ABI1; pr	0	1.19	1.10	1.21	1.27	1.20	1.55	0.8	0.96	-1.91	0.49
A020748_01	At2g05540	putative glycine-rich protein; ç	0	3.75	3.90	3.35	2.86	2.43	2.97	1.2	0.06	-1.20	1.66
A020751_01	not annotated	Chr1 W/25637330-25637399	0	1.27	0.97	1.31	1.32	1.39	1.48	0.6	2.21	-1.89	0.37
A020754_01	At3g02110	putative serine carboxypeptid	0	-0.20	-0.36	-0.59	-0.70	-1.28	-1.14	1.2	0.06	2.51	0.77

A020756_01	At3g03270	expressed protein; protein id:	0	0.97	1.15	1.05	1.13	1.44	1.59	1.6	0.06	-2.00	0.12
A020760_01	At4g32940	gamma-VPE (vacuolar proce:	0	0.35	0.97	1.86	2.18	2.55	3.07	1.4	0.06	-1.83	-1.24
A020761_01	At3g30390	expressed protein; protein id:	0	0.87	1.14	1.25	1.28	1.04	1.60	0.9	0.31	-1.92	0.27
A020765_01	At2g22690	expressed protein; protein id:	0	0.61	0.57	0.73	0.88	0.99	1.10	0.9	0.41	-2.02	-0.33
A020771_01	At5g53350	ATP-dependent Clp protease	0	0.80	0.87	0.95	1.02	0.98	1.41	0.9	0.37	-1.98	0.10
A020777_01	At2g44500	similar to axi 1 protein from N	0	2.27	2.33	1.68	0.76	0.92	1.08	1.4	0.06	-0.27	2.08
A020784_01	At5g57050	protein phosphatase 2C, ABI	0	0.93	1.18	1.59	1.59	1.52	1.94	0.9	0.27	-2.05	-0.21
A020788_01	At3g23050	indoleacetic acid (IAA)-inducil	0	0.30	-0.18	-0.38	-1.88	NA	NA	1.0	0.16	NA	NA
A020795_01	At1g72150	cytosolic factor, putative; prot	0	1.32	1.65	1.82	1.77	1.51	1.79	1.0	0.18	-1.85	0.64
A020797_01	At5g52470	fibrillarin 1 AtFib1/SKIP7; prot	0	-0.46	-0.79	-0.65	-1.28	-1.21	-1.27	0.9	0.27	2.70	0.28
A020803_01	At4g37520	peroxidase, putative; protein i	0	2.11	2.59	2.67	2.50	2.59	2.39	1.6	0.06	-1.77	0.80
A020806_01	At2g30860	glutathione transferase, putat	0	-0.12	0.46	0.78	0.81	1.09	1.41	0.8	0.81	-1.67	-1.24
A020816_01	At2g22300	ethylene-induced calmodulin-	0	0.87	1.12	1.19	1.22	0.93	1.46	0.8	0.66	-1.86	0.45
A020819_01	At3g48000	aldehyde dehydrogenase (NA	0	0.63	0.92	1.17	1.48	1.71	1.64	1.7	0.06	-2.01	-0.63
A020828_01	At3g19580	zinc finger protein, putative; p	0	1.75	1.93	2.16	2.02	1.83	2.73	1.1	0.14	-1.90	0.45
A020836_01	At1g05010	1-aminocyclopropane-1-carbc	0	1.78	1.84	1.51	1.34	1.35	2.22	1.0	0.16	-1.56	1.01
A020842_01	At1g04270	putative 40S ribosomal protei	0	-0.76	-0.95	-0.92	-1.38	-1.56	-1.50	1.2	0.06	2.80	0.00
A020843_01	At4g30930	WRKY family transcription fac	0	-0.99	-1.22	-1.12	-1.53	-1.58	-1.78	1.9	0.06	2.82	-0.31
A020847_01	At1g10070	tat-binding protein, putative; p	0	3.25	2.72	2.51	2.57	2.57	1.80	1.2	0.06	-1.15	1.47
A020852_01	At1g15930	40S ribosomal protein S12, pi	0	0.07	-0.38	-0.45	-1.00	-1.28	-1.07	0.6	4.47	2.44	1.04
A020855_01	At3g27925	DegP protease; protein id: At	0	0.40	0.83	1.08	1.66	1.81	1.84	1.1	0.10	-1.93	-1.02
A020866_01	At5g65630	putative protein; protein id: At	0	-0.21	0.00	-0.29	-1.24	-0.75	-0.85	0.8	0.55	2.05	0.90
A020868_01	At3g10020	expressed protein; protein id:	0	1.51	1.06	0.91	0.90	0.48	0.13	0.8	0.55	0.06	2.01
A020869_01	At5g54080	homogentisate 1,2-dioxygena	0	2.03	1.89	1.90	1.91	2.19	2.16	0.9	0.37	-1.82	0.71
A020873_01	At3g21670	nitrate transporter; protein id:	0	1.22	1.26	1.22	0.85	0.82	1.19	0.8	0.48	-1.26	1.45
A020880_01	At4g34050	caffeoyl-CoA 3-O-methyltrans	0	-0.25	0.38	1.06	2.40	2.06	1.58	0.9	0.31	-1.50	-1.39
A020883_01	At2g39930	putative isoamylase; protein i	0	-0.70	-0.94	-1.02	-0.83	-0.70	-1.48	1.2	0.06	2.45	-0.71
A020905_01	At5g08260	serine-type carboxypeptidase	0	-2.00	-2.46	-1.68	-1.69	-1.96	-2.00	1.4	0.06	2.28	-1.67
A020910_01	At5g13710	24-sterol C-methyltransferase	0	-0.33	-0.67	-1.00	-1.53	-1.57	-1.66	1.2	0.06	2.66	0.63
A020917_01	At1g75380	wound-responsive protein, pu	0	1.13	1.62	1.99	2.75	2.69	2.71	1.6	0.06	-2.02	-0.59
A020919_01	At3g25860	dihydrolipoamide S-acetyltran	0	-0.87	-1.18	-1.29	-1.53	-2.06	-2.39	1.1	0.10	2.74	0.19
A020929_01	At1g01490	expressed protein; protein id:	0	1.21	1.48	1.45	1.64	1.82	2.29	1.6	0.06	-2.02	-0.06
A020930_01	At1g48750	lipid transfer protein, putative;	0	-0.58	-1.32	-1.44	-2.75	-3.15	-2.97	1.9	0.06	2.65	0.66
A020944_01	At2g46420	expressed protein; protein id:	0	-0.57	-0.66	-0.56	-1.07	-0.85	-0.80	0.8	0.81	2.62	-0.35
A020955_01	At2g16700	actin depolymerizing factor 5;	0	1.40	1.91	1.82	1.80	1.74	1.56	1.1	0.14	-1.72	0.84
A020958_01	At1g53580	glyoxalase II, putative (hydrox	0	1.81	1.88	1.76	1.73	1.79	1.99	1.1	0.14	-1.79	0.93
A020960_01	At5g07470	peptide methionine sulfoxide	0	0.60	0.76	0.85	1.09	1.26	1.49	0.9	0.26	-1.99	-0.59
A020964_01	At1g08940	unknown protein; protein id: A	0	-0.31	0.32	0.28	0.69	1.05	0.79	0.8	0.81	-1.47	-1.63
A020970_01	At4g29680	nucleotide pyrophosphatase -	0	-1.11	-1.09	-0.94	-1.08	-1.46	-1.43	1.1	0.10	2.66	-0.74
A020971_01	At5g42180	peroxidase, putative; protein i	0	1.02	2.96	3.23	3.98	2.75	1.60	0.8	0.48	-1.25	0.18
A020974_01	At5g43270	squamosa promoter binding p	0	-0.58	-0.84	-0.94	-1.63	-1.67	-1.46	1.0	0.16	2.70	0.32
A020978_01	At3g20210	vacuolar processing enzyme/	0	-1.45	-2.40	-1.50	-2.37	-2.80	-3.04	1.1	0.14	2.71	-0.24
A020980_01	At5g40370	glutaredoxin -like protein; proi	0	0.22	0.74	1.01	1.41	1.44	1.91	1.3	0.06	-1.87	-1.09
A020981_01	At5g20160	ribosomal protein L7Ae-like; p	0	-0.67	-0.65	-0.44	-0.92	-0.92	-1.05	0.8	0.81	2.56	-0.21

A020992_01	At4g15545	expressed protein; protein id:	0	0.92	1.03	1.02	1.04	1.24	1.45	0.9	0.48	-1.99	0.26
A020998_01	At2g47610	60S ribosomal protein L7A; p	0	-0.76	-1.04	-0.93	-1.56	-1.83	-1.51	1.1	0.10	2.75	0.07
A020999_01	At1g58380	ribosomal protein S2, putative	0	-0.61	-0.88	-0.85	-1.39	-1.42	-1.39	1.0	0.18	2.77	0.15
A021010_01	At1g09590	putative 60S ribosomal protei	0	-1.25	-1.41	-1.26	-2.06	-2.09	-1.95	1.6	0.06	2.74	-0.23
A021021_01	At5g28540	luminal binding protein; protei	0	-1.30	-0.97	-1.18	-1.85	-2.16	-1.65	0.9	0.27	2.55	-0.07
A021026_01	At5g65730	xyloglucan endo-transglycosy	0	0.74	0.68	0.13	-0.56	-1.24	-1.95	1.6	0.06	1.75	1.61
A021035_01	At5g63190	topoisomerase, putative; prot	0	1.36	1.22	1.22	1.32	1.34	1.30	1.0	0.16	-1.75	0.86
A021037_01	At4g12420	pectinesterase (pectin methyl	0	-0.66	-0.81	-1.29	-1.83	-1.82	-2.23	0.6	2.21	2.68	0.54
A021040_01	At4g21960	peroxidase, putative; protein i	0	-0.14	-0.16	-0.33	-0.39	-0.93	-1.30	0.9	0.31	2.10	0.94
A021042_01	At4g17090	glycosyl hydrolase family 14 (	0	0.91	1.61	1.45	0.98	0.73	0.94	0.6	4.47	-0.94	1.35
A021044_01	At4g24780	putative pectate lyase; proteir	0	-1.13	-0.44	-0.09	-0.30	-1.95	-2.59	1.2	0.06	1.80	0.32
A021046_01	At2g34480	60S ribosomal protein L18A; j	0	-0.72	-0.96	-0.91	-1.40	-1.43	-1.07	0.8	0.48	2.68	-0.27
A021049_01	At2g27720	60S acidic ribosomal protein l	0	-0.55	-0.74	-0.76	-1.46	-1.58	-1.42	0.9	0.48	2.68	0.42
A021057_01	At1g07890	ascorbate peroxidase, putativ	0	-0.68	-0.51	-0.54	-1.04	-1.09	-0.67	0.7	2.21	2.38	-0.20
A021058_01	At5g64280	2-oxoglutarate/malate translo	0	0.59	1.09	1.32	1.51	1.82	1.46	1.6	0.06	-1.95	-0.49
A021059_01	At1g53240	mitochondrial NAD-dependen	0	-1.13	-1.26	-1.15	-1.40	-1.78	-1.64	1.6	0.06	2.76	-0.51
A021061_01	At4g13510	ammonium transport protein (	0	0.92	1.16	1.06	0.71	0.86	0.86	1.0	0.16	-1.29	1.38
A021062_01	At3g53750	actin (ACT3); protein id: At3g	0	-1.11	-1.03	-1.00	-1.28	-1.41	-1.21	0.8	0.55	2.66	-0.83
A021065_01	At2g37130	peroxidase, putative (ATP2a)	0	1.99	2.62	2.43	2.22	1.94	1.63	1.3	0.06	-1.35	1.30
A021067_01	At1g69890	expressed protein; protein id:	0	2.03	1.88	1.59	1.70	1.78	1.16	1.2	0.06	-1.21	1.43
A021070_01	At3g08580	adenylate translocator; protei	0	-0.77	-0.67	-0.67	-0.72	-1.07	-0.37	0.7	0.96	1.95	-1.09
A021071_01	At4g37790	homeobox protein HAT22; pr	0	1.16	1.43	1.93	2.06	1.66	2.58	1.2	0.06	-1.95	-0.15
A021072_01	At1g23130	Csf-2-related; protein id: At1g	0	0.90	2.14	3.11	4.37	4.39	4.69	1.1	0.10	-1.92	-0.99
A021076_01	At4g10450	putative ribosomal protein L9,	0	-0.83	-1.25	-1.19	-1.66	-2.05	NA	0.6	4.47	NA	NA
A021079_01	At1g10150	expressed protein; protein id:	0	1.17	1.28	1.49	1.51	1.31	1.61	0.8	0.81	-1.94	0.50
A021085_01	At5g26340	hexose transporter - like prote	0	1.53	1.50	1.42	1.10	1.13	1.40	0.8	0.66	-1.42	1.42
A021086_01	At1g06650	oxidoreductase, putative; prot	0	0.68	0.99	1.16	1.28	1.44	1.39	1.3	0.06	-2.05	-0.26
A021093_01	At4g20260	endomembrane-associated p	0	1.77	1.84	1.84	1.83	1.43	2.51	1.0	0.26	-1.74	0.69
A021097_01	At5g42980	thioredoxin (clone GIF1) (pir||	0	0.17	0.61	1.00	1.01	0.78	1.64	0.7	2.21	-1.73	-0.90
A021100_01	At1g02780	ribosomal protein L19, putativ	0	-0.63	-0.82	-0.85	-1.26	-1.28	-1.23	0.8	0.55	2.78	-0.01
A021103_01	At5g62920	response regulator 6 (ARR6);	0	-0.79	-0.29	0.01	-0.92	-0.68	-1.07	0.6	4.47	1.56	0.07
A021107_01	At5g64680	unknown protein; protein id: A	0	-0.13	-0.59	-0.59	-1.46	-1.50	-1.42	1.4	0.06	2.54	0.85
A021129_01	At1g59870	A.t. fasciclin-like arabinogalac	0	0.87	1.81	2.01	2.38	2.18	2.38	1.6	0.06	-1.96	-0.29
A021130_01	At1g09070	expressed protein; protein id:	0	1.09	1.31	1.16	1.00	0.88	1.38	1.1	0.10	-1.57	1.08
A021131_01	At1g76180	dehydrin, putative; protein id:	0	1.27	1.02	1.07	0.89	0.12	0.80	0.7	1.61	-0.41	1.80
A021133_01	At1g11190	bifunctional nuclease bfn1; pr	0	2.90	2.80	2.04	1.36	0.68	1.44	1.2	0.06	-0.25	2.12
A021137_01	At1g64370	expressed protein; protein id:	0	0.94	2.06	2.68	4.03	3.88	4.40	1.1	0.10	-1.94	-0.94
A021140_01	xxxx	b/t hypothetical protein; protei	0	0.08	0.32	0.44	0.47	0.32	1.01	0.7	2.21	-1.51	-0.90
A021142_01	not annotate	Chr1 W/13147608-13147677	0	0.58	0.80	1.15	1.24	1.40	1.67	0.8	0.66	-2.01	-0.69
A021147_01	At5g07220	putative protein; protein id: At	0	0.94	1.15	1.19	1.61	1.25	1.71	0.7	1.61	-2.00	0.03
A021209_01	not annotate	Chr4 C/16247353-162473961	0	0.34	0.86	1.06	1.14	1.69	1.75	0.9	0.31	-1.91	-0.89
A021213_01	At1g07820	histone H4; protein id: At1g07	0	-1.16	-1.32	-1.01	-1.09	-1.04	-1.18	1.2	0.06	2.37	-1.61
A021222_01	At3g62250	ubiquitin extension protein (U	0	-0.58	-0.79	-0.78	-1.35	-1.59	-1.44	1.0	0.16	2.72	0.34
A021230_01	At3g49580	putative protein; protein id: At	0	-0.60	0.45	1.98	2.01	2.77	4.86	1.3	0.06	-1.44	-1.61

A021233_01	At3g59540	60S RIBOSOMAL PROTEIN	0	-0.79	-0.93	-0.86	-1.37	-1.58	-1.58	0.9	0.27	2.77	0.05
A021235_01	At3g55170	ribosomal protein L35 -like; p	0	-0.59	-0.65	-0.68	-0.86	-0.80	-1.06	0.7	1.61	2.78	-0.40
A021249_01	At1g07610	metallothionein-like protein; p	0	1.24	2.06	2.61	2.83	3.06	4.50	1.9	0.06	-1.94	-0.67
A021252_01	At3g45030	40S ribosomal protein; prot	0	-0.50	-0.81	-0.78	-1.37	-1.50	-1.40	0.8	0.66	2.73	0.35
A021253_01	At5g15200	40S ribosomal protein - like; p	0	-0.66	-1.24	-1.26	-1.87	-2.28	-2.21	0.9	0.41	2.73	0.41
A021261_01	At4g36130	putative ribosomal protein L8;	0	-0.37	-0.76	-0.72	-1.43	-1.54	-1.56	0.7	1.20	2.64	0.61
A021274_01	At4g26230	putative ribosomal protein; pr	0	-0.46	-0.76	-0.83	-1.37	-1.58	-1.72	1.0	0.20	2.71	0.52
A021293_01	At4g29770	expressed protein; protein id:	0	-0.75	-1.42	-1.26	-1.47	-1.59	-1.38	1.9	0.06	2.58	-0.57
A021299_01	At4g29760	putative protein; protein id: At	0	-1.17	-1.90	-1.70	-2.28	-2.07	-2.01	1.7	0.06	2.68	-0.56
A021309_01	At4g01060	myb family transcription facto	0	1.34	2.03	2.35	2.68	2.94	2.70	1.1	0.14	-2.04	-0.29
A021335_01	At4g15700	glutaredoxin homolog; proteir	0	1.51	1.80	1.58	0.71	1.74	1.89	0.6	2.21	-1.42	0.86
A021338_01	At4g30330	small nuclear ribonucleoprote	0	-1.32	-1.86	-1.53	-1.75	-1.96	-2.29	1.2	0.06	2.75	-0.65
A021339_01	At5g01610	putative protein; protein id: At	0	0.22	0.33	1.00	0.93	1.00	1.31	0.7	2.21	-1.76	-1.25
A021344_01	At5g07090	40S ribosomal protein S4; prc	0	-0.43	-0.92	-0.94	-1.54	-1.81	-1.88	0.7	1.61	2.67	0.58
A021347_01	At5g07580	transcription factor-like protei	0	0.02	0.50	0.73	0.97	1.02	0.86	0.9	0.27	-1.76	-1.05
A021375_01	At5g10980	histone H3 protein	0	0.09	0.31	0.56	0.69	0.72	1.05	0.9	0.41	-1.80	-1.16
A021377_01	At3g26860	putative self-incompatibility pr	0	-0.14	0.46	0.87	1.01	0.89	1.47	1.0	0.20	-1.67	-1.27
A021389_01	At3g18740	60S ribosomal protein, putativ	0	-0.88	-1.16	-1.14	-1.69	-1.65	-1.81	1.0	0.16	2.81	-0.07
A021419_01	At5g24660	putative protein; protein id: At	0	-0.38	0.67	1.93	1.73	1.99	3.51	1.2	0.06	-1.57	-1.47
A021434_01	At5g45750	putative Rab-type small GTP-	0	-0.75	-0.78	-0.97	-1.26	-1.68	-1.83	0.9	0.31	2.73	0.25
A021441_01	At5g59840	GTP-binding protein ara-3; pr	0	0.95	0.83	0.83	0.97	1.03	1.43	1.0	0.16	-1.84	0.15
A021466_01	At5g38760	pollen coat -like protein; prote	0	0.69	0.80	1.13	1.14	1.37	1.48	0.9	0.37	-2.00	-0.35
A021476_01	At5g05590	phosphoribosylanthranilate is	0	-0.14	-0.42	-0.53	-0.92	-1.13	-1.27	1.0	0.16	2.55	0.88
A021494_01	At5g40130	60S RIBOSOMAL PROTEIN	0	-0.69	-0.97	-0.85	-1.35	-1.55	-1.61	1.1	0.10	2.80	0.09
A021497_01	At5g56670	40S ribosomal protein S30 hc	0	-0.96	-1.30	-1.21	-1.61	-1.94	-2.09	1.5	0.06	2.81	-0.07
A021500_01	At5g47700	60S acidic ribosomal protein l	0	-0.74	-0.97	-0.87	-1.46	-1.52	-1.47	1.0	0.20	2.79	-0.01
A021510_01	At5g58420	ribosomal protein S4 - like; pr	0	-0.72	-1.26	-1.20	-1.70	-1.91	-2.03	1.1	0.14	2.79	0.17
A021517_01	At5g09510	ribosomal protein S15-like; pr	0	-0.55	-0.76	-0.77	-1.15	-1.17	-1.26	0.7	1.61	2.77	0.12
A021520_01	At2g02390	glutathione transferase, putat	0	1.17	1.43	1.34	1.33	1.81	2.12	0.9	0.41	-1.94	-0.01
A021529_01	not annotated	Chr3 C/10728051-10728120	0	0.56	0.54	0.77	0.96	1.01	0.98	0.8	0.96	-2.00	-0.44
A021539_01	At1g29410	phosphoribosylanthranilate is	0	-0.28	-0.54	-0.56	-0.75	-0.87	-1.19	0.9	0.48	2.69	0.38
A021542_01	At1g54690	histone H2A, putative; protein	0	-1.09	-0.84	-0.62	-0.76	-0.60	-1.04	0.7	1.61	2.04	-1.62
A021549_01	At1g26910	putative 60s ribosomal proteir	0	-0.59	-0.81	-0.79	-1.05	-0.89	-0.70	0.8	0.55	2.54	-0.77
A021551_01	At1g04470	unknown protein; protein id: A	0	-1.06	-1.28	-1.24	-1.04	-0.98	-1.57	0.8	0.55	2.42	-1.20
A021557_01	At1g51250	unknown protein; protein id: A	0	-0.31	0.11	0.67	0.70	0.86	1.43	0.9	0.41	-1.45	-1.69
A021562_01	At1g13990	expressed protein; protein id:	0	2.00	2.46	2.57	2.85	3.02	3.17	1.7	0.06	-2.05	0.14
A021565_01	At3g46560	small zinc finger-like protein T	0	-0.99	-1.10	-1.06	-1.60	-1.73	-1.61	1.5	0.06	2.77	-0.17
A021577_01	At1g01100	acidic ribosomal protein, puta	0	-0.58	-1.01	-0.96	-1.49	-1.43	-1.56	1.0	0.16	2.78	0.12
A021585_01	At2g18990	putative ATP binding protein;	0	-1.16	-1.29	-1.31	-1.48	-1.49	-1.85	1.1	0.10	2.77	-0.62
A021589_01	At2g26750	putative epoxide hydrolase; p	0	0.67	0.98	0.93	0.78	1.05	1.26	0.9	0.26	-1.93	0.22
A021594_01	At2g29320	putative tropinone reductase;	0	0.97	1.17	1.26	1.81	1.85	1.81	1.7	0.06	-2.04	-0.35
A021595_01	At2g29370	putative tropinone reductase;	0	0.07	1.09	1.80	2.78	3.11	3.15	1.2	0.06	-1.78	-1.36
A021601_01	At2g37600	60S ribosomal protein L36; pr	0	-0.63	-1.11	-1.02	-1.55	-1.59	-1.70	1.0	0.16	2.79	0.11
A021607_01	At2g24040	unknown protein; protein id: A	0	0.80	1.06	1.11	1.41	1.43	1.76	1.0	0.16	-2.02	-0.37

A021613_01	At2g28740	histone H4; protein id: At2g28740	0	-1.62	-1.90	-1.43	-1.44	-1.73	-1.96	0.9	0.31	2.50	-1.33
A021628_01	At2g32190	expressed protein; protein id: At2g32190	0	1.93	2.35	1.89	1.05	0.82	1.90	1.2	0.06	-0.83	1.67
A021629_01	At2g32210	expressed protein; protein id: At2g32210	0	2.26	2.33	1.95	1.66	1.75	2.45	1.3	0.06	-1.51	1.18
A021641_01	At2g05310	expressed protein; protein id: At2g05310	0	0.83	0.99	0.86	1.20	1.13	0.80	0.9	0.48	-1.73	0.53
A021647_01	At2g20450	60S ribosomal protein L14; protein id: At2g20450	0	-0.66	-0.97	-0.81	-1.19	-1.39	-1.39	0.9	0.27	2.80	-0.07
A021659_01	At2g07640	unknown protein; protein id: At2g07640	0	0.22	0.47	0.21	0.55	1.24	1.25	0.9	0.27	-1.58	-1.14
A021670_01	At1g13990	expressed protein; protein id: At1g13990	0	2.23	2.59	2.71	2.95	3.21	3.30	2.2	0.06	-2.03	0.22
A021696_01	At1g29250	expressed protein; protein id: At1g29250	0	-0.98	-1.07	-0.88	-1.31	-1.54	-1.62	2.0	0.06	2.71	-0.25
A021701_01	At1g27400	putative 60S ribosomal protein L29; protein id: At1g27400	0	-0.94	-1.25	-1.23	-1.77	-1.87	-1.94	1.1	0.10	2.81	-0.05
A021708_01	At1g12250	chloroplast lumen pentapeptide repeat domain; protein id: At1g12250	0	0.68	0.75	0.67	0.80	1.06	0.73	0.7	1.61	-1.82	0.37
A021709_01	At1g49660	unknown protein; protein id: At1g49660	0	0.77	1.17	1.60	2.43	2.07	2.69	0.7	1.61	-1.95	-0.84
A021712_01	At1g3135	pseudogene, putative 60s ribosomal protein L29; protein id: At1g3135	0	-0.89	-1.33	-1.35	-1.81	-1.90	-2.19	1.2	0.06	2.80	0.05
A021718_01	At1g52250	dynein light chain, putative; protein id: At1g52250	0	0.99	-0.11	-0.46	-1.27	-2.04	NA	0.7	2.21	NA	NA
A021724_01	At1g65345	pseudogene, putative polyubiquitin domain; protein id: At1g65345	0	0.61	0.53	0.82	1.01	0.85	1.07	0.8	0.48	-1.93	-0.36
A021726_01	At1g07070	ribosomal protein, putative; protein id: At1g07070	0	-1.08	-1.45	-1.20	-1.02	-1.36	-1.97	1.5	0.06	2.56	-0.78
A021730_01	At3g06680	ribosomal protein L29, putative; protein id: At3g06680	0	-0.97	-1.08	-0.96	-1.75	-1.93	-1.72	1.3	0.06	2.75	0.02
A021739_01	At3g11500	putative small nuclear ribonucleoprotein A1; protein id: At3g11500	0	-0.94	-0.94	-0.79	-0.96	-1.06	-1.23	0.7	1.61	2.68	-0.96
A021749_01	At1g29460	auxin-induced protein, putative; protein id: At1g29460	0	0.83	0.22	-0.03	-0.88	-1.29	-1.92	0.9	0.37	2.02	1.54
A021759_01	At1g70680	Ca ²⁺ -binding EF-hand domain; protein id: At1g70680	0	3.08	3.00	2.88	2.76	2.04	3.45	1.4	0.06	-1.55	1.13
A021760_01	At1g70670	Ca ²⁺ -binding EF-hand domain; protein id: At1g70670	0	1.58	1.12	0.87	0.85	0.37	1.28	1.0	0.18	-0.68	1.53
A021771_01	At3g02190	putative ribosomal protein L31; protein id: At3g02190	0	-0.58	-0.91	-0.79	-1.20	-1.62	-1.47	1.7	0.06	2.75	0.21
A021782_01	At3g09500	putative 60S ribosomal protein L29; protein id: At3g09500	0	-0.55	-1.02	-1.01	-1.41	-1.47	-1.66	0.9	0.31	2.78	0.18
A021794_01	At2g02500	putative sugar nucleotide phosphorylase; protein id: At2g02500	0	-1.24	-1.45	-1.40	-1.15	-1.33	-1.95	0.6	4.47	2.54	-0.99
A021799_01	At5g09770	ribosomal protein - like; protein id: At5g09770	0	-0.67	-0.94	-0.90	-0.85	-0.60	-0.84	0.8	0.81	2.28	-1.43
A021802_01	At4g29410	putative protein; protein id: At4g29410	0	-1.05	-1.40	-1.34	-1.95	-2.24	-2.20	1.0	0.16	2.80	0.02
A021803_01	At3g44010	ribosomal protein S29 - like; protein id: At3g44010	0	-0.56	-0.62	-0.54	-0.90	-1.11	-0.99	0.9	0.26	2.73	0.02
A021805_01	At2g46370	putative auxin-responsive protein; protein id: At2g46370	0	0.05	0.29	0.55	0.68	0.81	1.07	0.7	1.20	-1.77	-1.24
A021811_01	At1g80920	J8-like protein; protein id: At1g80920	0	2.18	2.01	2.11	2.61	2.76	3.17	1.3	0.06	-1.99	0.09
A021812_01	At4g09460	myb family transcription factor; protein id: At4g09460	0	0.09	-0.87	-0.85	-0.86	-1.79	-1.32	0.6	4.47	2.36	0.63
A021814_01	At2g43820	putative glucosyltransferase; protein id: At2g43820	0	2.09	2.61	2.49	2.68	2.75	3.09	1.3	0.06	-1.99	0.42
A021820_01	At3g26280	cytochrome p450 family; protein id: At3g26280	0	1.21	2.35	2.96	3.38	3.48	3.57	2.0	0.06	-2.01	-0.53
A021823_01	At4g30810	serine carboxypeptidase II - like; protein id: At4g30810	0	-1.25	-1.06	-0.99	-0.87	-0.68	-0.85	0.8	0.96	1.80	-2.16
A021829_01	At5g10390	histone H3 - like protein; protein id: At5g10390	0	-1.96	-1.95	-1.45	-1.50	-1.52	-1.46	1.3	0.06	2.05	-1.98
A021835_01	At5g49650	putative xylulose kinase; protein id: At5g49650	0	0.06	-0.07	0.29	0.82	1.01	0.51	1.3	0.06	-1.29	-1.53
A021843_01	At5g65110	acyl-CoA oxidase (gb|AAC13); protein id: At5g65110	0	0.66	0.83	0.77	0.83	0.93	1.39	1.0	0.18	-1.93	-0.07
A021850_01	At1g69410	eukaryotic initiation factor 5A; protein id: At1g69410	0	0.66	1.12	1.07	1.09	1.12	1.92	1.0	0.26	-1.88	-0.25
A021851_01	At5g44580	expressed protein; protein id: At5g44580	0	1.93	2.64	2.35	2.36	2.49	2.34	1.3	0.06	-1.79	0.78
A021856_01	At2g32060	40S ribosomal protein S12; protein id: At2g32060	0	-0.37	-0.65	-0.53	-1.13	-1.30	-1.24	1.0	0.20	2.71	0.48
A021857_01	At5g56710	60S ribosomal protein L31; protein id: At5g56710	0	-0.61	-0.98	-0.90	-1.50	-1.77	-1.73	1.3	0.06	2.74	0.34
A021867_01	At2g40110	unknown protein; protein id: At2g40110	0	0.88	0.80	0.92	1.20	1.10	1.16	0.7	2.21	-1.91	0.06
A021873_01	At5g18630	triacylglycerol lipase-like protein; protein id: At5g18630	0	1.37	1.44	1.49	1.80	1.98	2.20	2.1	0.06	-2.03	-0.01
A021874_01	At3g19800	expressed protein; protein id: At3g19800	0	1.19	1.25	1.35	1.69	1.77	2.13	1.5	0.06	-2.04	-0.16
A021882_01	At5g14180	putative protein; protein id: At5g14180	0	2.17	2.12	1.65	0.72	0.31	0.88	0.7	1.61	0.04	2.18
A021884_01	At1g23290	60s ribosomal protein l27a.; protein id: At1g23290	0	-0.69	-1.07	-1.04	-1.65	-1.97	-1.84	1.3	0.06	2.75	0.29

A021889_01	At5g02610	ribosomal protein L35 - like; p	0	-0.41	-0.54	-0.63	-1.09	-1.32	-1.33	1.0	0.18	2.65	0.59
A021890_01	At4g11360	RING-H2 finger protein RHA1	0	2.29	1.84	1.91	1.80	1.78	1.64	0.8	0.48	-1.38	1.36
A021891_01	At4g14320	ribosomal protein; protein id: .	0	-0.88	-0.95	-0.83	-1.23	-1.40	-1.27	1.1	0.10	2.76	-0.38
A021893_01	At4g04830	putative protein; protein id: At	0	-0.14	0.69	1.87	2.41	2.84	3.55	2.5	0.06	-1.67	-1.52
A021903_01	At3g61640	arabinogalactan-protein (AGF	0	-0.48	-0.25	-0.35	-0.98	-1.06	-1.10	0.7	1.61	2.44	0.61
A021905_01	At3g53740	60S RIBOSOMAL PROTEIN	0	-0.46	-0.70	-0.65	-0.94	-1.18	-1.26	0.7	1.61	2.77	0.20
A021907_01	At1g72510	arabinogalactan-protein (AGF	0	0.81	1.26	1.41	1.42	1.41	1.45	1.1	0.14	-1.93	0.17
A021908_01	At1g09200	expressed protein; protein id:	0	-1.98	-2.15	-1.53	-2.01	-1.97	-1.92	0.9	0.37	2.45	-1.48
A021909_01	At1g57860	60S ribosomal protein L21, pr	0	-0.21	-0.56	-0.54	-1.11	-1.28	-1.39	0.8	0.81	2.61	0.76
A021913_01	xxxx	b/t pseudogene, putative retrc	0	1.26	1.37	1.91	2.37	2.56	2.71	1.2	0.06	-1.99	-0.61
A021920_01	At5g63330	putative protein; protein id: At	0	0.18	0.55	0.81	1.18	1.27	1.24	0.9	0.26	-1.88	-1.10
A021922_01	At1g10500	unknown protein; protein id: A	0	0.58	1.06	1.21	1.41	1.42	1.80	1.6	0.06	-2.02	-0.51
A021930_01	At3g46320	F12M12.3; pseudogene, puta	0	-1.79	-2.10	-1.38	-1.68	-1.95	-1.86	1.6	0.06	2.46	-1.43
A021931_01	At3g14600	putative 60S ribosomal protei	0	-0.76	-1.33	-1.32	-1.85	-1.79	-1.97	0.9	0.41	2.79	0.05
A021932_01	At5g03850	ribosomal protein S28- like; p	0	-0.72	-0.81	-0.69	-1.17	-1.30	-1.10	1.0	0.16	2.73	-0.20
A021933_01	At2g19750	40S ribosomal protein S30; pr	0	-0.54	-0.60	-0.52	-0.91	-1.08	-1.03	1.0	0.16	2.75	0.07
A021937_01	At1g14870	unknown protein; protein id: A	0	1.74	1.83	0.98	0.57	-0.18	0.27	1.1	0.14	0.48	2.17
A021938_01	At1g26880	60s ribosomal protein L34; pr	0	-0.92	-1.20	-1.04	-1.42	-1.55	-1.53	1.5	0.06	2.80	-0.41
A021941_01	At3g27360	histone H3, putative; protein i	0	-2.10	-3.11	-2.40	-3.05	-3.37	-3.42	1.5	0.06	2.74	-0.70
A021942_01	At1g13990	expressed protein; protein id:	0	2.10	2.54	2.65	2.87	3.14	3.28	1.6	0.06	-2.04	0.17
A021949_01	At1g14850	nucleoporin, putative; protein	0	-0.64	-0.85	-0.85	-1.32	-1.36	-0.93	0.7	2.21	2.62	-0.21
A021950_01	At3g53430	60S RIBOSOMAL PROTEIN	0	-0.42	-0.66	-0.59	-1.12	-1.35	-1.16	1.0	0.14	2.68	0.42
A021955_01	At1g22270	expressed protein; protein id:	0	-0.68	-0.79	-0.58	-0.90	-0.99	-1.11	0.6	4.47	2.78	-0.47
A021961_01	At2g36170	ubiquitin extension protein (U	0	-0.83	-1.10	-1.04	-1.57	-1.74	-1.65	1.2	0.06	2.79	-0.01
A021966_01	At3g43810	calmodulin 7; protein id: At3g	0	-1.03	-0.95	-0.85	-1.15	-1.54	-1.42	0.8	0.48	2.71	-0.45
A021968_01	At3g53990	expressed protein; protein id:	0	1.19	1.07	0.91	0.86	0.48	0.48	1.1	0.10	-0.50	1.99
A021971_01	At5g35530	40S ribosomal protein S3; prc	0	-0.36	-0.81	-0.68	-1.15	-1.18	-1.22	0.7	1.61	2.73	0.29
A021976_01	At1g62080	expressed protein; protein id:	0	0.39	0.84	2.21	5.05	4.73	3.81	0.7	1.61	-1.62	-1.37
A021978_01	At1g08630	expressed protein; protein id:	0	1.76	0.81	0.09	-0.05	-0.24	-0.56	1.2	0.06	1.18	1.73
A021982_01	At2g44120	60S ribosomal protein L7; prc	0	-0.47	-1.17	-1.21	-2.03	-2.25	-2.16	1.0	0.18	2.68	0.56
A021986_01	At3g61110	ribosomal protein S27; proteir	0	-0.30	-0.36	-0.28	-0.69	-1.04	-0.67	0.7	2.21	2.50	0.47
A021992_01	At2g27710	60S acidic ribosomal protein l	0	-0.82	-0.88	-0.95	-1.59	-1.84	-1.66	1.0	0.26	2.69	0.25
A021993_01	At4g21980	AtAPG8a; symbiosis-related l	0	1.16	1.32	1.33	1.62	1.60	2.04	0.9	0.27	-2.02	-0.02
A021994_01	At1g74060	putative 60S ribosomal protei	0	-0.44	-0.84	-0.65	-1.18	-1.11	-1.04	0.7	1.61	2.74	0.00
A021997_01	At5g16130	40S ribosomal protein S7-like	0	-0.57	-1.09	-1.12	-1.85	-2.48	-2.40	1.1	0.14	2.65	0.62
A021998_01	At2g02100	plant defensin protein, putativ	0	-1.87	-2.40	-1.70	-2.68	-3.05	-3.25	1.4	0.06	2.80	-0.41
A022000_01	At5g56540	arabinogalactan-protein (AGF	0	2.33	1.67	0.80	-0.29	-0.24	0.47	0.8	0.96	0.75	1.95
A022001_01	At1g62000	hypothetical protein; protein ic	0	-0.28	-0.08	3.48	3.53	3.41	2.75	0.9	0.41	-1.35	-1.69
A022009_01	At3g23390	putative ribosomal protein; pr	0	-0.95	-1.12	-1.07	-1.61	-1.71	-1.59	1.7	0.06	2.78	-0.18
A022010_01	At4g18100	ribosomal protein L32 -like pr	0	-0.89	-1.34	-1.30	-1.86	-2.13	-2.13	1.0	0.14	2.80	0.10
A022015_01	At5g56150	E2, ubiquitin-conjugating enzy	0	0.47	0.95	1.13	1.21	1.00	1.67	1.1	0.14	-1.92	-0.42
A022018_01	At3g52580	putative ribosomal protein S1	0	-0.65	-1.00	-0.92	-1.40	-1.42	-1.41	0.8	0.55	2.79	-0.01
A022019_01	At3g48690	putative protein; protein id: At	0	1.08	0.99	0.94	0.88	0.94	1.14	1.3	0.06	-1.68	0.99
A022021_01	At3g11940	40S ribosomal protein S5, pu	0	-0.86	-1.46	-1.47	-1.95	-2.14	-2.01	1.3	0.06	2.78	-0.01

A022026_01	At4g15000	ribosomal protein; protein id: .	0	-0.69	-1.12	-1.23	-1.92	-2.11	-1.96	1.0	0.18	2.73	0.35
A022029_01	At4g05050	polyubiquitin UBQ11; protein	0	0.84	0.93	1.07	1.09	0.93	1.55	0.6	4.47	-1.91	0.15
A022039_01	At3g26450	major latex protein (MLP)-rela	0	0.56	1.03	0.46	-0.15	-0.80	-1.06	1.3	0.06	1.38	1.72
A022044_01	At3g25520	ribosomal protein, putative; pi	0	-0.59	-0.99	-1.01	-1.83	-2.08	-2.02	0.8	0.48	2.67	0.54
A022045_01	At1g78380	glutathione transferase, putat	0	-0.40	0.17	0.48	0.36	0.40	1.03	0.9	0.31	-1.27	-1.58
A022047_01	At1g67430	ribosomal protein, putative; pi	0	-1.11	-1.37	-1.20	-1.74	-1.90	-1.89	1.4	0.06	2.81	-0.29
A022077_01	At3g28070	unknown protein; protein id: A	0	0.70	1.23	1.62	1.97	2.04	2.42	1.1	0.10	-2.01	-0.74
A022107_01	At4g34670	Putative S-phase-specific ribo	0	-0.51	-1.12	-1.09	-1.56	-1.74	-1.63	0.9	0.31	2.75	0.23
A022112_01	At2g39890	proline transporter 1; protein i	0	0.71	1.17	1.41	1.51	1.46	1.88	0.8	0.55	-2.04	-0.38
A022120_01	At3g08720	putative ribosomal-protein S6	0	0.63	1.03	0.85	0.71	0.95	1.49	0.8	0.96	-1.79	0.08
A022125_01	At1g13080	cytochrome p450 family; prot	0	1.01	0.95	1.00	1.16	1.35	1.44	1.1	0.10	-2.00	0.14
A022156_01	xxxx	b/t crooked neck-like protein;	0	0.78	0.78	0.94	0.76	0.79	1.02	0.9	0.27	-1.87	0.66
A022202_01	At3g60450	putative protein; protein id: At	0	-0.40	-0.57	-0.82	-1.15	-1.15	-1.11	0.7	2.21	2.71	0.32
A022267_01	At5g10550	bromodomain protein - like; p	0	-0.12	-0.19	-0.39	-1.01	-0.78	-0.77	0.8	0.66	2.37	0.89
A022275_01	At5g65700	leucine-rich repeat transmem	0	-0.12	-0.26	-0.33	-0.72	-1.45	-1.19	1.2	0.06	2.28	1.02
A022282_01	At4g28360	expressed protein; protein id:	0	-1.10	-1.28	-1.24	-1.78	-1.42	-1.75	0.9	0.27	2.74	-0.56
A022306_01	At4g32320	ascorbate peroxidase family;	0	0.55	0.80	0.98	1.46	1.54	1.38	1.8	0.06	-1.95	-0.75
A022324_01	At4g21930	putative protein; protein id: At	0	1.44	1.59	1.44	0.92	0.60	0.19	0.6	4.47	-0.07	2.01
A022358_01	At4g23260	putative protein; protein id: At	0	0.91	2.02	2.64	3.08	3.40	3.31	0.8	0.81	-1.97	-0.70
A022377_01	At4g19860	putative protein; protein id: At	0	0.94	0.91	0.92	1.10	1.11	1.31	1.0	0.26	-1.97	0.26
A022381_01	At4g27260	GH3 like protein; protein id: A	0	2.11	1.91	1.38	0.96	0.64	0.91	1.2	0.06	-0.25	2.14
A022401_01	At4g23400	water channel - like protein; p	0	1.71	2.47	2.63	2.88	2.76	2.07	1.6	0.06	-1.79	0.41
A022405_01	At4g33750	hypothetical protein; protein ic	0	0.35	0.49	0.81	0.91	1.03	0.90	0.8	0.48	-1.97	-0.72
A022436_01	At4g37560	formamidase - like protein; pr	0	1.33	1.62	1.76	2.15	2.23	2.37	0.9	0.37	-2.06	-0.16
A022486_01	At4g11120	putative translation elongator	0	-0.75	-0.80	-0.67	-1.17	-1.06	-1.14	0.7	2.21	2.72	-0.34
A022502_01	At4g27820	glycosyl hydrolase family 1; pi	0	0.34	0.95	1.11	0.98	1.08	1.41	1.3	0.06	-1.95	-0.46
A022555_01	At4g02860	putative protein; protein id: At	0	1.11	1.14	1.11	1.07	1.21	1.19	0.8	0.66	-1.82	0.84
A022583_01	At4g07840	putative transposon protein; p	0	0.62	1.09	0.97	0.64	0.34	0.65	0.6	4.47	-0.86	1.48
A022599_01	At4g14290	hypothetical protein; protein ic	0	-0.08	0.10	0.50	0.66	0.51	1.09	0.7	2.21	-1.52	-1.42
A022635_01	At4g37220	cold acclimation protein homc	0	-0.79	-0.71	-0.89	-0.96	-1.29	-1.36	0.6	4.47	2.74	-0.15
A022637_01	At4g37320	cytochrome p450 family; prot	0	0.23	0.47	0.74	0.96	0.89	1.03	0.8	0.81	-1.94	-0.92
A022643_01	At5g01570	putative protein; protein id: At	0	-0.06	0.60	1.20	1.88	1.67	1.51	1.1	0.14	-1.67	-1.23
A022657_01	At3g45950	putative protein; protein id: At	0	-0.21	0.01	0.34	0.68	0.95	1.13	1.0	0.16	-1.44	-1.79
A022689_01	At3g56030	putative protein; protein id: At	0	0.52	-0.48	-0.58	-0.73	-1.40	-1.14	0.9	0.48	2.20	1.14
A022735_01	At3g31390	hypothetical protein; protein ic	0	1.88	2.53	2.26	2.43	2.17	2.45	0.8	0.96	-1.80	0.77
A022749_01	At3g20000	membrane import protein, pu	0	-0.73	-0.81	-0.69	-1.06	-0.74	-0.91	1.1	0.10	2.59	-0.95
A022781_01	At3g17700	cyclic nucleotide-binding trans	0	0.84	0.91	1.02	0.98	0.76	1.27	0.7	1.20	-1.79	0.59
A022790_01	At5g41370	DNA excision repair cross-co	0	-0.34	-0.44	-0.64	-0.89	-1.23	-1.01	0.7	1.20	2.63	0.56
A022804_01	At3g30280	acyltransferase family; proteir	0	0.17	0.73	1.13	1.09	1.28	1.73	0.8	0.66	-1.85	-0.98
A022808_01	At3g28520	hypothetical protein; protein ic	0	0.77	0.88	1.02	1.09	1.26	1.33	1.0	0.16	-2.06	-0.11
A022821_01	At5g53720	RRM-containing protein; prote	0	-1.74	-3.85	NA	-4.08	-3.93	-3.67	1.7	0.06	NA	NA
A022844_01	At5g43080	cyclin A3;1; protein id: At5g43	0	-0.35	-0.84	-0.83	-1.43	-1.62	-1.62	0.9	0.37	2.68	0.57
A022862_01	At5g55915	nucleolar protein-like; protein	0	-1.02	-0.87	-0.86	-1.43	-1.57	-1.38	0.7	1.20	2.58	-0.15
A022865_01	At3g16060	kinesin-like protein TBK5, put	0	-0.82	-0.69	-0.73	-0.95	-1.01	-0.94	0.7	1.61	2.65	-0.66

A022882_01	At5g58710	cyclophilin ROC7; protein id: A	0	-0.98	-1.07	-1.01	-1.22	-1.15	-1.39	0.9	0.27	2.73	-0.83
A022919_01	At5g61170	40S ribosomal protein S19 - lik	0	-1.04	-1.14	-1.17	-1.74	-1.86	-1.89	1.0	0.16	2.79	-0.07
A022927_01	At5g44290	cyclin-dependent protein kina	0	1.05	1.10	1.22	1.28	1.24	1.62	1.4	0.06	-1.98	0.31
A022967_01	At5g49020	arginine methyltransferase-lik	0	-1.20	-1.17	-0.97	-1.42	-0.80	NA	1.1	0.10	NA	NA
A022987_01	At5g38510	putative protein; protein id: At	0	0.60	1.17	1.41	1.67	1.72	1.56	1.9	0.06	-1.97	-0.44
A022990_01	At5g38590	putative protein; protein id: At	0	-0.90	-1.40	-1.41	-2.22	-2.06	-2.11	1.3	0.06	2.77	0.02
A022996_01	At5g38690	putative protein; protein id: At	0	-1.02	-0.86	-0.82	-0.57	-0.72	-0.20	0.7	1.20	1.15	-2.24
A022999_01	At5g63650	serine/threonine-protein kinas	0	-1.38	-2.01	-1.91	-1.82	-1.92	-2.43	0.9	0.41	2.71	-0.76
A023041_01	At5g08570	pyruvate kinase; protein id: At	0	-1.14	-1.19	-0.95	-0.86	-0.75	-0.72	1.3	0.06	1.77	-2.19
A023045_01	At5g24240	ubiquitin; protein id: At5g2424	0	0.07	0.34	0.56	0.75	0.87	1.05	1.0	0.16	-1.82	-1.28
A023079_01	At5g42230	serine carboxypeptidase-II lik	0	0.08	-1.66	-2.19	-2.36	-2.20	-2.56	1.4	0.06	2.50	0.49
A023114_01	At5g47340	palmitoyl-protein thioesterase	0	0.07	1.10	1.32	1.22	1.05	1.08	0.6	4.47	-1.44	-0.27
A023119_01	At5g63970	putative protein; protein id: At	0	0.91	1.05	0.95	1.04	0.82	1.19	0.7	0.96	-1.79	0.82
A023130_01	At5g51080	putative protein; protein id: At	0	-0.76	-1.45	-1.27	-1.26	-1.26	-1.32	1.3	0.06	2.61	-0.84
A023137_01	At5g06110	cell division related protein-lik	0	-0.29	-0.55	-0.49	-1.03	-1.15	-1.15	0.7	2.21	2.64	0.61
A023159_01	At1g26970	protein kinase, putative; prote	0	0.85	0.94	0.99	0.86	1.09	1.52	0.9	0.41	-1.91	0.15
A023199_01	At3g28650	CHP-rich zinc finger protein, p	0	-0.65	-0.09	0.28	0.88	0.81	1.13	0.6	4.47	-1.26	-1.99
A023228_01	At1g23840	expressed protein; protein id:	0	0.70	0.84	1.31	1.28	1.34	1.79	0.9	0.37	-2.00	-0.46
A023242_01	At1g54090	hypothetical protein; protein ic	0	1.15	1.78	1.97	1.47	1.43	1.86	0.8	0.96	-1.74	0.66
A023252_01	At1g20880	RRM-containing protein; prote	0	0.60	1.28	1.19	1.86	1.11	0.89	0.8	0.81	-1.42	0.23
A023259_01	At1g10300	putative GTP-binding protein;	0	0.83	1.12	1.16	1.27	1.41	1.81	1.6	0.06	-2.02	-0.22
A023272_01	At1g21720	20S proteasome beta subunit	0	0.34	0.43	0.62	0.88	1.25	1.47	1.2	0.06	-1.77	-1.14
A023297_01	At1g73110	rubisco activase, putative; pro	0	-1.11	-1.48	-0.92	-1.73	-1.40	-1.31	1.2	0.06	2.50	-1.05
A023329_01	At3g46530	disease resistance protein, R	0	1.12	1.26	1.39	1.32	1.37	1.51	1.1	0.10	-1.97	0.50
A023347_01	At2g40590	40S ribosomal protein S26; p	0	-0.48	-0.70	-0.63	-1.19	-1.36	-1.26	0.8	0.81	2.73	0.36
A023353_01	At2g17110	expressed protein; protein id:	0	1.00	1.19	1.28	1.36	1.24	1.47	1.2	0.06	-1.98	0.40
A023354_01	At2g23200	putative protein kinase; protei	0	0.89	1.75	1.91	2.07	2.05	2.13	1.2	0.06	-1.98	-0.16
A023363_01	At2g32920	putative protein disulfide isom	0	-0.89	-0.86	-0.83	-1.01	-1.10	-1.19	1.0	0.18	2.74	-0.72
A023386_01	At2g45800	putative LIM-domain protein;	0	0.32	0.54	0.83	0.89	0.97	1.30	0.8	0.81	-1.94	-0.81
A023389_01	At2g45860	hypothetical protein; protein ic	0	-0.81	-0.74	-0.72	-0.64	-1.05	-0.97	0.9	0.48	2.55	-0.89
A023440_01	At2g38410	unknown protein; protein id: A	0	0.56	0.91	1.21	1.42	1.64	1.85	1.6	0.06	-2.00	-0.76
A023457_01	At2g19720	40S ribosomal protein S15A;	0	-0.56	-0.77	-0.78	-1.44	-1.71	-1.73	0.8	0.55	2.66	0.53
A023476_01	At2g45970	cytochrome P450, putative; p	0	-0.71	-1.06	-1.21	-1.53	-1.93	-1.95	1.5	0.06	2.77	0.26
A023491_01	At2g18860	unknown protein; protein id: A	0	0.47	0.80	1.04	1.10	0.88	1.47	0.9	0.31	-1.93	-0.37
A023504_01	At2g05850	putative serine carboxypeptid	0	-0.62	-0.14	0.45	0.27	0.65	1.18	0.7	1.20	-1.13	-1.89
A023566_01	At2g36580	putative pyruvate kinase; prot	0	-0.70	-0.57	-0.58	-1.09	-0.89	-0.48	0.8	0.81	2.19	-0.76
A023620_01	At2g31500	putative calcium-dependent p	0	-0.38	0.11	0.58	0.61	0.81	1.25	0.9	0.41	-1.44	-1.71
A023623_01	At2g31560	unknown protein; protein id: A	0	1.36	1.03	0.78	0.63	0.33	1.04	0.8	0.66	-0.60	1.74
A023658_01	At2g36080	putative DNA-binding protein	0	1.49	1.44	1.21	0.79	1.03	0.86	1.1	0.10	-0.85	1.83
A023802_01	At1g23350	conserved hypothetical protei	0	0.35	0.74	1.41	1.51	1.89	2.35	0.8	0.81	-1.85	-1.10
A023814_01	At1g75600	histone H3, putative; protein i	0	0.28	0.33	0.59	0.83	0.84	1.01	0.9	0.26	-1.90	-1.02
A023818_01	At1g21440	hypothetical protein; protein ic	0	-0.66	-1.20	-1.03	-1.34	-1.34	-0.45	0.8	0.66	1.98	-0.90
A023896_01	At1g64610	hypothetical protein; protein ic	0	0.75	0.92	1.12	1.21	1.42	1.94	0.7	2.21	-1.95	-0.53
A023904_01	At1g49130	CONSTANS B-box zinc finge	0	1.03	0.89	0.62	0.28	0.18	-0.54	0.7	0.96	0.86	1.95

A023943_01	At1g26120	hypothetical protein; protein ic	0	0.35	0.63	0.56	0.93	1.07	1.00	0.8	0.96	-1.99	-0.70
A024026_01	At1g70580	putative alanine aminotransfe	0	0.52	1.14	1.14	1.40	1.41	1.64	0.9	0.27	-2.00	-0.41
A024038_01	At1g75280	isoflavone reductase homoloç	0	-0.97	-0.10	0.95	2.67	2.40	3.21	0.7	1.20	-1.43	-1.81
A024039_01	At1g75300	isoflavone reductase homoloç	0	-1.46	-0.75	0.09	1.71	1.34	1.39	0.7	1.61	-1.02	-2.12
A024063_01	At3g03430	pollen allergen Bra r II; protei	0	0.34	0.70	1.03	1.11	1.09	1.60	0.9	0.41	-1.92	-0.78
A024092_01	At3g04090	hypothetical protein; protein ic	0	-0.04	0.34	0.62	1.13	1.16	1.33	1.7	0.06	-1.71	-1.48
A024101_01	At1g08210	expressed protein; protein id:	0	-0.46	-1.11	-0.97	-1.20	-0.96	-1.25	1.0	0.20	2.50	-0.48
A024105_01	At2g27530	60S ribosomal protein L10A; j	0	-0.90	-1.12	-1.01	-1.61	-1.75	-1.77	1.2	0.06	2.79	-0.02
A024107_01	At1g23440	hypothetical protein; protein ic	0	1.01	1.29	1.35	1.54	1.66	1.93	1.3	0.06	-2.06	-0.12
A024112_01	At2g05220	40S ribosomal protein S17; pi	0	-0.92	-0.95	-0.82	-1.36	-1.45	-1.17	1.0	0.16	2.70	-0.44
A024174_01	At5g24610	putative protein; protein id: At	0	-0.21	-0.69	-0.82	-0.77	-0.94	-1.40	1.0	0.16	2.59	0.33
A024180_01	At1g26930	A.t. chromosome 1 BAC T9L2	0	0.91	0.80	0.63	0.46	0.70	1.12	0.9	0.37	-1.34	0.82
A024182_01	At1g05560	UDP-glucose transferase(UG	0	1.82	2.02	2.29	2.33	2.71	3.33	1.3	0.06	-2.02	-0.08
A024183_01	At5g55930	sexual differentiation process	0	0.13	0.73	0.86	1.00	1.00	1.36	1.4	0.06	-1.88	-0.89
A024195_01	At1g51500	ABC transporter family protein	0	0.69	1.31	1.42	1.53	1.30	1.27	1.1	0.10	-1.77	0.22
A024215_01	At4g36250	aldehyde dehydrogenase like	0	-0.71	-0.51	-0.58	-1.09	-1.33	-1.43	1.4	0.06	2.51	0.36
A024219_01	At5g57710	101 kDa heat shock protein; h	0	1.28	1.78	1.65	1.52	0.75	1.38	1.5	0.06	-1.18	1.31
A024230_01	At4g19430	expressed protein; protein id:	0	-0.68	0.13	0.60	1.06	0.49	-0.80	0.9	0.37	0.02	-0.72
A024232_01	At1g01780	LIM domain protein, putative;	0	0.72	0.56	0.71	0.70	0.95	1.30	1.0	0.20	-1.82	-0.23
A024237_01	At1g04630	unknown protein; protein id: A	0	-0.41	-0.56	-0.60	-0.61	-0.72	-1.00	0.7	1.61	2.68	-0.22
A024249_01	At2g40140	putative CCCH-type zinc fing	0	1.30	1.54	1.34	1.15	1.22	1.56	1.2	0.06	-1.66	1.06
A024259_01	At3g48340	AtCEP2; cysteine proteinase;	0	3.46	3.41	2.35	0.86	0.24	1.10	1.3	0.06	0.26	2.19
A024270_01	not annotated	between At3g26390 and At3g	0	0.87	0.84	0.95	1.27	1.07	0.88	1.0	0.20	-1.80	0.40
A024291_01	At1g14320	tumor suppressor, putative; p	0	-0.97	-1.09	-1.09	-1.65	-1.65	-1.44	1.0	0.16	2.74	-0.27
A024292_01	At1g08930	zinc finger protein ATZF1, pu	0	0.29	1.11	1.13	1.31	1.26	1.34	0.8	0.81	-1.85	-0.42
A024298_01	At4g30270	xyloglucan endotransglycosyl.	0	2.87	3.29	3.35	3.53	3.49	3.63	1.4	0.06	-1.93	0.59
A024299_01	At3g12020	kinesin-related protein; protei	0	1.50	1.78	1.75	2.10	2.05	2.02	1.6	0.06	-1.99	0.35
A024303_01	At5g50160	FRO1 and FRO2-like protein;	0	0.25	0.84	1.04	0.90	0.72	0.52	0.6	4.47	-1.19	0.28
A024306_01	At1g71070	N-acetylglucosaminyltransfer	0	-0.98	-1.03	-0.98	-1.21	-1.31	-1.29	1.2	0.06	2.74	-0.70
A024310_01	At2g47110	ubiquitin extension protein (U	0	-0.72	-1.11	-0.96	-1.65	-1.86	-1.70	1.1	0.06	2.74	0.20
A024311_01	At2g19620	putative SF21 protein {Helian	0	-0.99	-1.34	-1.32	-1.84	-1.92	-1.98	1.4	0.06	2.82	-0.14
A024318_01	At3g48930	cytosolic ribosomal protein S1	0	-1.19	-1.41	-1.30	-1.88	-2.07	-1.97	1.4	0.06	2.80	-0.26
A024326_01	At5g56870	glycosyl hydrolase family 35 (	0	2.78	3.28	3.77	4.39	4.34	4.81	2.3	0.06	-2.06	-0.07
A024331_01	At1g24300	unknown protein; protein id: A	0	0.56	0.78	0.86	0.88	0.71	1.30	0.9	0.41	-1.89	-0.04
A024332_01	At3g16180	putative transport protein; pro	0	-0.41	-0.58	-0.93	-1.76	-2.72	-3.22	2.5	0.06	2.43	0.95
A024343_01	At1g56110	SAR DNA binding protein, pu	0	-1.00	-1.06	-0.90	-1.61	-2.23	-1.68	1.0	0.20	2.58	0.13
A024346_01	At1g16190	hypothetical protein; protein ic	0	-0.78	-0.89	-0.70	-1.28	-1.00	-1.27	0.7	1.61	2.69	-0.39
A024349_01	At1g72900	disease resistance protein (TI	0	1.92	2.58	2.01	2.21	1.96	1.81	0.7	1.61	-1.52	1.19
A024350_01	At1g62570	flavin-containing monooxyger	0	1.35	1.52	1.48	1.35	0.98	1.75	0.8	0.48	-1.61	0.99
A024353_01	At4g20170	putative protein; protein id: At	0	0.01	-0.17	-0.37	-1.10	-1.18	-1.17	0.8	0.48	2.34	1.18
A024354_01	At2g39330	putative myrosinase-binding p	0	-2.40	-3.07	-2.35	-3.69	-4.15	-3.83	0.9	0.27	2.79	-0.42
A024361_01	At2g31610	40S ribosomal protein S3, pu	0	-0.49	-0.82	-0.82	-1.51	-1.86	-1.82	0.8	0.55	2.66	0.60
A024369_01	At1g15970	hypothetical protein; protein ic	0	-0.74	-0.82	-0.93	-1.43	-1.24	NA	0.6	2.21	NA	NA
A024372_01	At3g27020	expressed protein; protein id:	0	0.93	1.24	1.45	1.48	1.51	1.70	0.8	0.66	-2.05	0.02

A024373_01	At3g20083	pseudogene, cytochrome P4f	0	1.56	2.09	2.13	2.26	2.04	2.57	1.3	0.06	-1.97	0.36
A024374_01	At4g00630	putative potassium/H+ antipo	0	0.45	0.58	0.62	0.68	0.35	1.21	1.0	0.26	-1.53	-0.05
A024392_01	At2g40510	40S ribosomal protein S26; pi	0	-0.62	-0.95	-0.86	-1.22	-1.18	-1.36	0.8	0.55	2.81	-0.15
A024394_01	At3g19240	dem-like protein; protein id: A	0	0.62	1.00	1.05	1.01	0.77	1.08	1.3	0.06	-1.78	0.50
A024396_01	At1g55960	membrane related protein CF	0	1.30	1.26	1.27	1.16	1.23	1.55	0.9	0.37	-1.79	0.84
A024398_01	At1g53310	phosphoenolpyruvate carboxy	0	-0.88	-0.92	-0.93	-1.20	-1.41	-0.87	1.0	0.26	2.52	-0.65
A024399_01	At3g14270	unknown protein; protein id: A	0	1.09	1.20	1.11	0.87	0.65	1.53	0.8	0.48	-1.42	0.96
A024410_01	At3g60770	ribosomal protein S13 -like; p	0	-0.50	-0.75	-0.86	-1.37	-1.44	-1.57	0.8	0.66	2.71	0.45
A024421_01	At5g02020	putative protein; protein id: At	0	1.59	1.90	2.38	2.70	2.73	3.19	1.2	0.06	-2.05	-0.32
A024430_01	At3g42640	plasma membrane H+-ATPas	0	0.36	0.71	0.94	0.76	0.85	1.29	0.6	2.21	-1.87	-0.38
A024434_01	At1g60610	unknown protein; protein id: A	0	0.42	0.53	0.61	0.47	0.81	1.12	0.6	4.47	-1.64	-0.57
A024435_01	At5g54940	translation initiation factor-like	0	1.21	1.78	1.76	1.77	1.56	2.12	2.0	0.06	-1.89	0.42
A024442_01	At2g24420	expressed protein; protein id:	0	0.49	0.66	1.03	1.03	0.92	1.22	0.9	0.37	-1.98	-0.34
A024443_01	At2g25210	60S ribosomal protein L39; pr	0	-0.70	-0.96	-0.85	-1.34	-1.74	-1.81	1.6	0.06	2.75	0.25
A024447_01	At1g71880	sucrose transport protein SUC	0	0.45	1.51	1.77	2.00	1.94	2.57	1.4	0.06	-1.88	-0.62
A024453_01	At1g03860	putative prohibitin 2; protein ic	0	-0.92	-1.13	-0.94	-1.02	-1.13	-1.12	1.1	0.14	2.63	-1.12
A024454_01	At3g22120	unknown protein; protein id: A	0	0.42	0.02	-1.05	-3.35	-4.35	-3.32	2.2	0.06	2.23	1.29
A024464_01	At5g16570	expressed protein; protein id:	0	-0.37	0.81	1.87	2.95	2.76	3.09	1.3	0.06	-1.67	-1.47
A024474_01	At5g66510	ferripyochelin-binding protein-	0	-1.23	-1.34	-1.23	-1.25	-1.21	-1.31	1.1	0.10	2.49	-1.43
A024478_01	At5g36160	putative protein; protein id: At	0	0.83	1.09	0.83	0.67	0.73	0.63	0.6	4.47	-1.16	1.58
A024481_01	At4g17340	membrane channel like prote	0	0.61	1.24	1.78	2.35	2.17	1.85	1.4	0.06	-1.89	-0.71
A024484_01	At1g68660	expressed protein; protein id:	0	0.66	1.07	1.18	1.44	1.55	1.44	1.6	0.06	-2.03	-0.32
A024485_01	At1g22410	3-deoxy-D-arabino-heptuloso	0	-1.33	-1.14	-0.64	0.66	0.36	-0.32	0.7	2.21	-0.14	-2.24
A024494_01	xxxx	b/t unknown protein; protein ic	0	0.76	0.87	0.98	0.88	0.58	1.23	0.7	0.96	-1.67	0.62
A024496_01	At5g13720	unknown protein; protein id: A	0	0.68	1.25	1.14	1.18	1.23	1.23	1.3	0.06	-1.95	0.23
A024501_01	At4g32060	putative protein; protein id: At	0	1.37	0.89	0.36	-0.24	0.73	-0.34	0.6	4.47	0.70	1.72
A024502_01	At2g41380	putative embryo-abundant pro	0	0.72	1.91	2.65	3.13	3.33	3.90	0.6	4.47	-1.95	-0.90
A024508_01	At3g28940	AIG2-like protein; protein id: A	0	0.24	0.82	1.01	1.46	1.41	1.37	1.2	0.06	-1.90	-0.89
A024509_01	At4g23430	putative protein; protein id: At	0	0.49	1.08	1.20	1.53	1.72	1.50	1.3	0.06	-1.97	-0.60
A024512_01	At3g19450	cinnamyl alcohol dehydrogen	0	-0.35	-0.05	0.56	1.93	1.36	0.69	0.6	4.47	-1.15	-1.48
A024513_01	At4g37550	formamidase - like protein; pr	0	1.05	0.86	0.64	0.62	0.31	0.20	0.9	0.41	-0.05	2.10
A024514_01	At4g35090	catalase 2; protein id: At4g35	0	0.72	1.36	1.36	1.19	1.41	1.48	1.1	0.06	-1.84	0.21
A024518_01	At2g25070	protein phosphatase 2C (PP2	0	0.58	0.75	0.91	1.10	1.15	1.28	0.8	0.48	-2.06	-0.40
A024521_01	At1g17200	expressed protein; protein id:	0	-0.40	-1.08	-1.06	-1.39	-1.79	-2.04	1.6	0.06	2.70	0.44
A024527_01	At1g75750	expressed protein; protein id:	0	2.74	2.64	1.98	0.53	0.26	0.51	1.1	0.10	0.39	2.22
A024531_01	At1g36160	hypothetical protein; protein ic	0	-0.27	-0.53	-0.66	-0.89	-1.29	-0.89	0.6	4.47	2.58	0.46
A024532_01	At1g63000	expressed protein; protein id:	0	-0.39	-0.38	-0.30	-0.51	-1.15	-0.83	0.6	4.47	2.32	0.43
A024538_01	At3g06850	branched chain alpha-keto ac	0	1.41	0.84	0.36	0.10	0.38	0.40	0.9	0.41	0.29	1.79
A024544_01	At5g02260	expansin, putative; protein id:	0	0.83	1.26	1.27	1.63	1.07	1.16	0.9	0.27	-1.70	0.47
A024559_01	At1g42550	unknown protein; protein id: A	0	1.14	1.28	1.34	1.43	1.30	1.49	1.1	0.06	-1.93	0.57
A024560_01	At5g61600	DNA binding protein - like; pro	0	2.23	2.42	2.33	2.08	2.01	2.12	1.7	0.06	-1.58	1.24
A024562_01	At1g43170	ribosomal protein; protein id: .	0	-0.47	-0.89	-0.99	-1.57	-1.71	-1.60	0.9	0.31	2.71	0.45
A024569_01	At5g15650	reversibly glycosylated polype	0	-1.22	-1.00	-1.06	-1.16	-1.28	-1.50	0.9	0.31	2.62	-0.85
A024578_01	At3g17810	dehydrogenase, putative; pro	0	1.52	1.40	1.43	1.31	1.26	2.17	0.9	0.31	-1.70	0.59

A024580_01	At5g11680	unknown protein	0	0.70	1.06	1.14	1.10	0.96	1.20	0.7	1.61	-1.94	0.37
A024581_01	At3g16570	expressed protein; protein id:	0	0.69	0.75	0.71	0.59	0.23	-0.05	0.8	0.81	0.10	1.64
A024585_01	At3g52590	ubiquitin extension protein 1 (	0	-0.96	-1.13	-1.16	-1.59	-1.65	-1.68	1.0	0.26	2.80	-0.19
A024586_01	At1g19920	sulfate adenylyltransferase; p	0	-0.32	-0.62	-0.77	-1.36	-1.62	-1.64	1.2	0.06	2.60	0.76
A024599_01	At2g25080	glutathione peroxidase, putati	0	1.61	2.00	2.04	2.00	1.57	1.28	1.0	0.14	-1.35	1.18
A024610_01	At4g19840	lectin like protein; protein id: <i>A</i>	0	1.55	1.92	2.20	2.60	2.23	2.83	1.2	0.06	-2.03	-0.01
A024611_01	At4g31550	putative putative DNA-binding	0	0.55	1.11	1.16	1.33	0.82	1.37	0.8	0.96	-1.75	0.12
A024612_01	At5g53160	putative protein; protein id: At	0	1.00	1.25	1.56	1.73	1.62	1.63	0.8	0.81	-2.02	0.01
A024622_01	At2g18960	plasma membrane proton AT	0	0.61	0.90	0.98	0.74	0.80	1.41	0.7	1.20	-1.77	0.15
A024627_01	At1g03130	putative photosystem I reacti	0	0.65	0.85	0.85	1.14	0.93	0.90	0.9	0.37	-1.93	0.23
A024630_01	At1g18540	60S ribosomal protein L6, put	0	-0.94	-1.09	-1.06	-1.64	-1.95	-1.80	0.9	0.37	2.75	0.08
A024633_01	At1g66180	expressed protein; protein id:	0	-0.08	-0.34	-0.97	-1.75	-2.47	-2.72	1.3	0.06	2.38	1.13
A024635_01	At1g79560	FtsH protease, putative; prote	0	-1.28	-1.31	-1.40	-1.49	-1.69	-1.99	0.8	0.81	2.76	-0.59
A024636_01	At1g23310	putative alanine aminotransfe	0	1.36	1.66	1.71	1.67	1.57	1.70	0.8	0.81	-1.85	0.73
A024637_01	At1g48830	40S ribosomal protein S7 hor	0	-0.73	-0.97	-0.91	-1.38	-1.61	-1.72	1.5	0.06	2.77	0.16
A024642_01	At2g01420	PIN4; putative auxin transpor	0	1.03	1.40	1.49	1.39	1.11	1.24	0.8	0.81	-1.67	0.87
A024644_01	At3g49910	60S RIBOSOMAL PROTEIN	0	-0.54	-0.64	-0.72	-1.36	-1.64	-1.73	0.7	1.20	2.57	0.63
A024645_01	At4g35860	putative GTP-binding protein	0	0.36	0.40	0.54	0.68	0.71	1.01	0.9	0.37	-1.89	-0.74
A024647_01	At3g28860	multidrug resistance P-glycop	0	-0.92	-1.61	-1.75	-2.60	-2.76	-2.37	0.9	0.41	2.73	0.23
A024649_01	At1g29670	lipase/hydrolase, putative; prc	0	0.06	0.31	-0.46	-0.63	-1.29	-1.89	1.0	0.20	1.96	1.30
A024652_01	At1g27450	adenine phosphoribosyltransf	0	-1.10	-1.18	-0.98	-1.25	-1.40	-1.34	1.0	0.16	2.70	-0.90
A024653_01	At5g59700	receptor-like protein kinase pi	0	0.00	0.51	1.02	1.06	1.49	1.52	1.2	0.06	-1.76	-1.34
A024661_01	At5g45710	heat shock transcription facto	0	0.46	0.54	0.70	0.90	1.06	0.99	0.8	0.81	-2.00	-0.61
A024663_01	At1g14370	protein kinase; protein id: At1	0	1.63	2.44	2.51	2.61	2.74	2.88	1.4	0.06	-2.01	0.16
A024664_01	At3g10450	putative glucose acyltransfera	0	1.28	1.76	1.92	2.12	2.34	2.60	1.6	0.06	-2.07	-0.18
A024665_01	At5g58800	quinone reductase family; pro	0	1.08	0.90	0.83	0.99	1.18	0.92	1.0	0.18	-1.62	0.70
A024671_01	At3g13940	unknown protein; protein id: <i>A</i>	0	-0.91	-0.93	-0.61	-1.04	-0.68	-0.89	0.7	1.20	2.29	-1.39
A024673_01	At3g59760	cysteine synthase; protein id:	0	-1.87	-2.14	-1.78	-1.81	-1.73	-1.68	1.2	0.06	2.28	-1.70
A024676_01	At4g04620	AtAPG8b; putative symbiosis-	0	1.11	1.08	1.06	1.14	1.38	1.48	1.0	0.20	-1.95	0.34
A024687_01	At1g52190	peptide transporter, putative;	0	-0.34	-0.22	-0.52	-0.76	-2.15	-2.50	1.3	0.06	2.15	0.95
A024724_01	At5g60140	putative protein; protein id: At	0	-0.69	-1.22	-1.05	-1.26	-1.22	-1.17	0.8	0.55	2.66	-0.70
A024725_01	At5g50150	putative protein; protein id: At	0	-0.47	-0.86	-0.96	-1.49	-2.25	-2.25	1.7	0.06	2.60	0.70
A024785_01	At1g48610	regulatory protein HAL3B; prc	0	-1.50	-1.71	-1.73	-1.85	-2.04	-2.11	1.0	0.16	2.75	-0.78
A024791_01	At4g26520	fructose-bisphosphate aldola	0	0.56	0.30	0.12	0.26	-0.21	-1.13	0.9	0.48	1.42	1.28
A024822_01	At3g46520	A.t. DNA chromosome 3, BA(C	0	0.32	0.63	0.90	0.90	1.23	1.31	1.0	0.20	-1.95	-0.88
A024856_01	At1g52030	myrosinase binding protein, p	0	-3.03	-3.83	-2.94	NA	-4.00	-3.83	1.0	0.16	NA	NA
A024862_01	At5g09690	putative protein; protein id: At	0	0.51	0.69	0.95	1.07	1.16	1.41	0.9	0.37	-1.98	-0.70
A024863_01	At5g56000	heat shock protein (emb|CAA	0	-0.86	-0.59	-0.63	-1.48	-1.72	-1.09	1.0	0.20	2.38	0.19
A024881_01	At4g35010	glycosyl hydrolase family 35 (	0	-0.05	0.32	0.66	0.36	0.72	1.19	0.6	4.47	-1.53	-1.16
A024890_01	At4g23180	serine/threonine kinase -like p	0	0.69	1.53	1.31	1.45	1.28	1.10	1.0	0.16	-1.61	0.49
A024913_01	At4g32390	putative protein; protein id: At	0	-0.79	-0.68	-0.70	-1.02	-1.18	-1.17	1.1	0.06	2.66	-0.18
A024978_01	At4g01560	expressed protein; protein id:	0	-0.61	-0.75	-0.68	-1.12	-1.22	-1.12	1.2	0.06	2.74	0.01
A025036_01	At3g62740	glycosyl hydrolase family 1; p	0	1.20	1.38	1.33	1.15	1.17	1.50	0.7	1.20	-1.76	0.92
A025058_01	At5g02490	DnaK-type molecular chaperc	0	-0.44	-0.16	-0.22	-1.05	-1.12	-0.68	0.8	0.48	2.16	0.60

A025060_01	At3g44300	nitrilase 2; protein id: At3g44300	0	2.89	3.39	3.76	3.44	4.19	5.35	1.6	0.06	-1.98	0.00
A025061_01	At3g28100	unknown protein; protein id: A025061_01	0	1.58	2.66	3.18	3.64	3.85	4.40	2.4	0.06	-2.05	-0.50
A025074_01	At3g17410	putative protein kinase; protein id: A025074_01	0	0.32	0.65	0.72	0.91	1.03	0.96	1.2	0.06	-1.99	-0.58
A025085_01	At5g11230	putative protein; protein id: At5g11230	0	-0.79	-0.74	-0.62	-0.88	-1.80	-1.46	1.0	0.14	2.51	0.15
A025101_01	At5g16340	AMP-binding protein; protein id: A025101_01	0	1.03	0.97	0.78	0.71	0.48	0.34	0.9	0.31	-0.43	2.01
A025130_01	At5g37600	glutamate--ammonia ligase; protein id: A025130_01	0	-0.19	-0.16	0.09	0.22	0.17	1.08	0.8	0.81	-0.95	-1.57
A025190_01	At5g38540	myrosinase binding protein-like; protein id: A025190_01	0	-2.50	-3.17	-2.71	-4.27	-4.08	-3.66	1.0	0.16	2.74	-0.47
A025268_01	At1g08930	zinc finger protein ATZF1, putative; protein id: A025268_01	0	1.04	1.99	2.03	2.35	2.24	2.28	1.0	0.20	-1.93	-0.04
A025274_01	At3g51430	strictosidine synthase-related protein; protein id: A025274_01	0	1.54	1.67	1.49	1.51	1.60	1.81	1.0	0.14	-1.83	0.80
A025313_01	At1g76680	12-oxophytodienoate reductase 1; protein id: A025313_01	0	-0.08	0.99	1.51	1.46	1.64	1.76	0.7	0.96	-1.74	-1.00
A025368_01	At1g52030	myrosinase binding protein, putative; protein id: A025368_01	0	-3.17	-4.16	-3.24	-5.40	-5.33	-4.62	1.2	0.06	2.73	-0.47
A025372_01	At5g35450	disease resistance protein (CIP1); protein id: A025372_01	0	1.03	1.58	1.83	1.91	1.84	2.15	1.3	0.06	-2.03	-0.06
A025393_01	At2g44560	glycosyl hydrolase family 9; protein id: A025393_01	0	-0.49	-0.03	0.51	0.45	0.88	1.10	1.1	0.14	-1.31	-1.81
A025394_01	not annotated	Chr4 C/8472579-8472648	0	0.94	1.13	0.98	0.81	0.60	1.41	0.8	0.81	-1.44	0.92
A025408_01	At2g22920	putative serine carboxypeptidase; protein id: A025408_01	0	1.35	1.68	1.84	2.07	1.84	1.94	0.9	0.31	-1.98	0.32
A025479_01	At2g42580	expressed protein; protein id: A025479_01	0	-0.33	-0.46	-0.82	-1.07	-1.14	-1.30	0.6	4.47	2.68	0.61
A025502_01	At1g64760	glycosyl hydrolase family 17; protein id: A025502_01	0	-1.13	-1.00	-0.89	-1.24	-1.61	-2.08	0.9	0.41	2.65	-0.16
A025542_01	At1g29310	flower pigmentation protein A; protein id: A025542_01	0	-0.97	-0.94	-1.03	-1.24	-1.37	-1.24	0.8	0.81	2.74	-0.62
A025585_01	At1g63370	flavin-binding monooxygenase; protein id: A025585_01	0	1.23	1.04	0.95	0.69	0.90	1.13	0.9	0.37	-1.34	1.34
A025588_01	At1g28610	lipase, putative; protein id: A025588_01	0	0.65	1.58	1.93	2.15	2.22	2.33	1.4	0.06	-1.99	-0.59
A025590_01	xxxx	b/t polyprotein, putative; protein id: A025590_01	0	-0.07	-0.66	-0.77	-1.00	-0.80	-0.83	0.9	0.37	2.40	0.16
A025600_01	At1g08210	expressed protein; protein id: A025600_01	0	-0.27	-0.72	-0.68	-0.87	-0.47	-0.92	0.8	0.66	2.28	-0.45
A025645_01	At3g11250	60S acidic ribosomal protein, L16; protein id: A025645_01	0	-0.89	-1.02	-0.96	-1.34	-1.32	-1.40	1.1	0.10	2.80	-0.43
A025683_01	At1g68740	putative receptor protein; protein id: A025683_01	0	-1.49	-1.38	-0.49	0.22	0.48	1.06	0.8	0.96	-0.49	-2.40
A025718_01	At4g31800	WRKY family transcription factor; protein id: A025718_01	0	0.58	1.01	0.63	0.26	-0.09	0.21	0.6	4.47	0.24	1.80
A025727_01	At4g37560	formamidase - like protein; protein id: A025727_01	0	1.65	1.86	2.08	2.55	2.77	2.98	0.8	0.81	-2.06	-0.22
A025728_01	At1g04900	expressed protein; protein id: A025728_01	0	-1.37	-1.56	-1.46	-1.27	-1.51	-1.93	0.7	1.20	2.60	-1.05
A025730_01	At5g18620	chromatin remodelling complex subunit; protein id: A025730_01	0	-1.07	-1.03	-0.80	-1.00	-0.83	-0.86	0.9	0.41	2.22	-1.73
A025739_01	At1g73310	putative serine carboxypeptidase; protein id: A025739_01	0	1.73	2.20	2.47	2.48	2.52	3.04	1.5	0.06	-2.04	0.09
A025759_01	At2g22980	putative serine carboxypeptidase; protein id: A025759_01	0	2.32	2.15	2.30	2.00	1.85	1.10	0.7	1.61	-1.00	1.58
A025768_01	At2g33590	putative cinnamoyl-CoA reductase; protein id: A025768_01	0	0.83	1.06	1.09	0.93	1.12	1.68	1.5	0.06	-1.89	0.10
A025770_01	At3g14690	cytochrome P450, putative; protein id: A025770_01	0	0.69	0.98	1.12	1.24	1.56	1.39	1.3	0.06	-2.03	-0.33
A025772_01	At4g26530	fructose-bisphosphate aldolase; protein id: A025772_01	0	1.21	0.99	0.75	1.13	0.44	-1.09	0.9	0.27	0.67	1.33
A025777_01	At4g34030	putative protein; protein id: A025777_01	0	1.65	1.44	1.18	0.85	1.85	0.92	0.7	1.20	-1.04	1.14
A025787_01	At3g05165	expressed protein; protein id: A025787_01	0	0.80	1.12	1.56	1.58	1.67	2.40	1.4	0.06	-1.97	-0.57
A025788_01	At3g14415	glycolate oxidase; protein id: A025788_01	0	0.86	1.29	1.27	1.40	1.45	1.51	1.2	0.06	-2.01	0.15
A025795_01	At3g52180	putative protein; protein id: A025795_01	0	-1.33	-1.35	-1.20	-0.44	-0.47	-1.24	0.6	2.21	1.38	-2.06
A025798_01	At1g12780	uridine diphosphate glucose 4-epimerase; protein id: A025798_01	0	2.43	2.12	2.04	1.93	1.58	1.37	1.0	0.20	-1.04	1.71
A025803_01	At5g07340	calnexin homolog; protein id: A025803_01	0	-0.68	-0.71	-0.75	-0.83	-0.90	-1.04	0.6	4.47	2.77	-0.63
A025807_01	At5g01220	putative protein; protein id: A025807_01	0	-0.80	-0.88	-1.02	-0.55	-0.46	-1.18	0.8	0.66	2.06	-1.35
A025844_01	At1g15910	transcriptional regulator, putative; protein id: A025844_01	0	-0.11	-0.83	-1.00	-0.92	-1.58	-1.55	1.0	0.20	2.54	0.56
A025847_01	At5g07440	glutamate dehydrogenase 2; protein id: A025847_01	0	1.58	1.44	0.91	0.35	-0.03	0.13	0.7	1.20	0.56	2.23
A025869_01	At2g47030	pectinesterase family; protein id: A025869_01	0	0.27	0.63	0.94	0.91	0.95	1.73	0.9	0.27	-1.78	-0.87
A025870_01	At4g14960	tubulin alpha-6 chain (TUA6); protein id: A025870_01	0	-0.87	-0.58	-0.66	-0.72	-1.06	-1.06	0.7	0.96	2.38	-0.43

A025900_01	At1g71890	putative sucrose transport pro	0	-0.31	-0.49	-0.59	-1.08	-1.54	-1.27	1.0	0.16	2.52	0.76
A025909_01	At2g26740	epoxide hydrolase (ATsEH); p	0	0.83	1.08	0.97	0.81	0.97	1.19	0.7	1.61	-1.79	0.73
A025911_01	At4g23560	glycosyl hydrolase family 9; p	0	-0.90	-2.07	-0.92	-2.58	-1.38	1.09	0.8	0.55	0.79	-1.17
A025922_01	At4g27830	glycosyl hydrolase family 1; p	0	0.47	1.03	1.07	0.90	1.08	1.56	1.1	0.10	-1.90	-0.25
A025924_01	At4g30470	cinnamoyl-CoA reductase - lil	0	1.65	1.63	1.80	1.72	1.78	2.07	1.0	0.26	-1.91	0.63
A025937_01	At3g14650	cytochrome P450, putative; p	0	0.14	0.47	0.81	0.90	1.14	0.94	0.7	1.20	-1.84	-1.10
A025944_01	At5g43060	cysteine protease component	0	1.28	0.71	0.39	NA	0.71	0.76	0.8	0.55	NA	NA
A025947_01	At1g72900	disease resistance protein (Tl	0	1.48	2.11	1.92	2.35	2.24	2.04	0.7	1.20	-1.91	0.40
A025949_01	At3g14420	glycolate oxidase, putative; pr	0	0.72	1.02	0.98	0.94	1.12	1.00	0.8	0.96	-1.89	0.47
A025958_01	At1g50010	tubulin alpha-2/alpha-4 chain,	0	-1.31	-1.06	-0.99	-0.87	-1.23	-1.19	0.8	0.81	2.25	-1.35
A025961_01	At4g34180	putative protein; protein id: At	0	0.59	0.93	1.06	1.36	1.47	1.77	1.4	0.06	-2.00	-0.69
A025969_01	At3g09630	putative 60S ribosomal protei	0	-0.61	-1.02	-0.98	-1.52	-1.63	-1.62	0.9	0.31	2.78	0.20
A025971_01	At1g08510	acyl-(acyl carrier protein) thio	0	1.00	0.92	0.88	0.51	-0.10	0.50	0.6	2.21	0.03	1.90
A025984_01	At1g20010	beta tubulin 1, putative; protei	0	-1.28	-1.64	-1.43	-1.13	-1.51	-2.44	0.9	0.37	2.47	-0.77
A025990_01	At5g56030	heat shock protein 81-2 (HSP	0	-1.00	-0.81	-0.79	-1.61	-1.58	-1.22	1.0	0.16	2.52	-0.13
A025995_01	At2g01670	expressed protein; protein id:	0	1.04	1.32	1.32	1.01	1.09	0.93	1.1	0.10	-1.45	1.25
A025997_01	At3g26180	cytochrome p450 family; prote	0	1.58	1.66	1.61	1.11	1.17	1.48	0.6	4.47	-1.33	1.47
A025998_01	At1g02300	cathepsin B-like cysteine prot	0	1.65	1.61	1.68	1.49	1.19	1.66	0.6	2.21	-1.55	1.24
A026002_01	At5g07440	glutamate dehydrogenase 2; |	0	1.63	1.34	0.89	0.31	0.01	0.01	0.8	0.81	0.65	2.23
A026004_01	At5g48620	disease resistance protein (C	0	1.03	1.67	1.81	1.88	1.63	2.03	1.3	0.06	-1.95	0.16
A026082_01	At3g03270	expressed protein; protein id:	0	0.90	0.98	0.89	1.10	1.53	1.68	1.3	0.06	-1.96	-0.27
A000178_01	At1g12520	copper/zinc superoxide dismut	0	-0.31	-1.07	-1.13	-1.80	-1.67	NA	0.7	0.96	NA	NA
A000790_01	At1g68600	expressed protein; protein id:	0	0.22	0.05	0.74	1.71	1.81	2.03	0.7	1.20	-1.62	-1.50
A000902_01	At1g58200	unknown protein; protein id: A	0	0.77	1.01	0.71	0.82	0.75	0.79	0.7	1.61	-1.53	1.20
A001151_01	At1g29700	expressed protein; protein id:	0	0.68	0.76	0.78	1.29	1.38	1.19	0.9	0.26	-2.00	-0.37
A001600_01	At1g31940	expressed protein; protein id:	0	0.38	0.73	0.81	1.02	1.06	1.12	0.8	0.66	-1.99	-0.47
A002404_01	At1g28280	expressed protein; protein id:	0	0.63	0.84	0.86	1.29	1.32	1.34	0.8	0.66	-2.05	-0.43
A003140_01	At1g56260	hypothetical protein; protein ic	0	0.13	0.84	0.95	1.39	1.61	1.45	1.3	0.06	-1.86	-1.05
A003526_01	At1g69610	unknown protein; protein id: A	0	0.54	1.66	2.36	3.01	3.00	3.78	0.6	4.47	-1.91	-1.03
A003659_01	At1g62640	3-ketoacyl-acyl carrier protein	0	-0.61	-0.84	-0.79	-0.79	-1.02	-0.87	0.7	1.61	2.68	-0.74
A003859_01	At1g11850	expressed protein; protein id:	0	-0.60	-1.26	-0.92	-1.57	-2.22	-1.96	0.7	2.21	2.71	0.30
A004129_01	At1g33475	similar to RRM-containing pro	0	-0.70	-0.92	-1.13	-1.18	-1.82	-1.60	0.6	4.47	2.71	0.14
A005189_01	At1g76405	auxin-regulated protein; prote	0	-0.71	-1.27	-0.87	-1.09	-1.43	-2.05	0.7	1.61	2.65	-0.17
A005392_01	At1g17950	myb family trnscription factor;	0	NA	1.21	2.64	4.42	4.58	4.24	0.8	0.81	NA	NA
A005682_01	At1g53030	cytochrome C oxidase assem	0	0.56	0.68	0.74	1.17	1.31	1.31	1.0	0.16	-1.96	-0.70
A006166_01	At2g46650	putative cytochrome b5; prote	0	-0.88	0.20	1.20	1.24	1.60	3.26	0.8	0.81	-1.36	-1.64
A006299_01	At2g35060	putative potassium transporte	0	0.17	0.56	1.01	0.99	1.51	1.40	0.7	2.21	-1.81	-1.09
A006359_01	At2g36330	hypothetical protein; protein ic	0	0.88	0.73	0.71	1.03	1.06	1.04	0.7	2.21	-1.88	0.22
A006638_01	At2g31350	glyoxalase II, putative (hydrox	0	0.73	0.57	0.88	1.14	1.34	1.33	0.9	0.26	-1.96	-0.55
A006661_01	At2g16890	putative glucosyltransferase; |	0	1.00	0.80	0.65	0.62	0.57	0.26	0.8	0.96	-0.42	1.91
A008284_01	At2g29670	expressed protein; protein id:	0	-0.64	0.00	0.29	1.28	1.26	0.76	0.8	0.48	-1.22	-1.83
A008620_01	At2g17880	putative DnaJ protein; protein	0	-1.07	-1.01	-1.16	-1.06	-1.46	NA	0.7	2.21	NA	NA
A008712_01	At2g31945	expressed protein; protein id:	0	3.19	2.87	2.33	1.61	1.88	2.74	0.7	1.20	-1.06	1.53
A009259_01	At3g44450	putative protein; protein id: At	0	-0.51	0.87	1.52	2.73	2.70	2.39	0.9	0.27	-1.61	-1.47

A010702_01	At3g16050	putative ethylene-inducible pr	0	-1.14	-1.30	-1.07	-1.73	-2.07	-1.91	1.1	0.10	2.77	-0.16
A010770_01	At3g10420	expressed protein; protein id:	0	0.94	1.07	1.03	0.72	0.55	1.70	0.8	0.55	-1.35	0.60
A010967_01	At3g62960	glutaredoxin -like protein; proi	0	NA	1.30	2.97	3.35	3.54	4.86	0.7	1.20	NA	NA
A011702_01	At3g21240	putative 4-coumarate:CoA lig;	0	NA	0.50	1.21	2.71	2.51	1.97	0.6	4.47	NA	NA
A014327_01	At4g25390	receptor kinase-like protein; p	0	1.93	2.08	2.00	2.10	2.49	2.60	1.0	0.18	-1.97	0.40
A015419_01	At4g01900	P II nitrogen sensing protein (	0	-1.31	-1.66	-1.13	-1.68	-2.42	NA	0.8	0.81	NA	NA
A015597_01	At5g22750	putative protein; protein id: At	0	-0.89	-1.05	-1.11	-1.30	-1.24	NA	0.8	0.66	NA	NA
A016171_01	At5g62150	putative protein; protein id: At	0	NA	0.73	1.71	2.96	2.85	2.42	0.6	2.21	NA	NA
A016737_01	At5g11630	putative protein; protein id: At	0	-0.60	-0.77	-0.71	-1.17	-1.29	-1.43	1.0	0.20	2.76	0.18
A016743_01	At5g57440	GS1-like protein; protein id: A	0	-0.71	-1.11	-0.84	-0.77	-1.15	-1.95	0.6	4.47	2.48	-0.26
A016766_01	At5g14510	putative protein; protein id: At	0	-0.29	0.30	0.98	2.09	1.78	NA	1.1	0.14	NA	NA
A016921_01	At5g03560	putative protein; protein id: At	0	0.90	0.95	1.14	1.25	1.66	1.59	1.1	0.10	-2.02	-0.30
A016963_01	At5g05140	putative protein; protein id: At	0	1.05	1.11	0.81	0.97	0.89	0.86	1.0	0.18	-1.43	1.38
A017319_01	At5g35970	DNA helicase-like; protein id:	0	1.09	1.84	1.90	1.92	2.04	2.66	1.3	0.06	-2.02	-0.14
A017675_01	At5g42060	putative protein; protein id: At	0	-0.57	-0.99	-0.65	-1.34	-1.59	-1.38	0.9	0.41	2.70	0.18
A017696_01	At5g58787	expressed protein; protein id:	0	0.63	0.78	1.48	1.73	1.81	1.61	0.8	0.48	-1.93	-0.81
A018180_01	At5g02050	putative protein; protein id: At	0	-1.90	-1.71	-1.53	-2.64	-2.71	NA	0.8	0.48	NA	NA
A019148_01	At5g15860	carboxylesterase-like protein;	0	0.93	1.39	1.29	1.47	1.60	1.36	1.1	0.14	-1.95	0.26
A019735_01	At5g62070	putative protein; protein id: At	0	-0.65	-0.38	-0.72	-0.74	-0.79	-1.37	0.6	4.47	2.46	0.08
A019790_01	At1g16400	cytochrome p450 family; prot	0	NA	0.49	2.03	3.04	3.22	4.62	0.8	0.66	NA	NA
A019860_01	At2g27820	putative chorismate mutase/p	0	-0.93	-0.96	-0.81	-0.10	-0.38	-1.07	0.6	4.47	1.36	-1.71
A019961_01	At1g78200	protein phosphatase 2C (PP2	0	0.45	0.67	0.88	1.01	1.03	1.13	0.8	0.81	-2.05	-0.51
A020052_01	At4g16985	expressed protein; protein id:	0	-0.26	-0.55	-0.80	-1.14	-1.34	-1.09	0.6	4.47	2.62	0.58
A020252_01	At4g29950	putative protein; protein id: At	0	0.87	1.01	0.64	0.54	0.57	0.68	0.9	0.26	-1.01	1.76
A020391_01	At4g32570	putative protein; protein id: At	0	-0.98	-1.15	-1.02	-1.16	-0.88	-1.14	1.0	0.26	2.49	-1.35
A020698_01	At1g73500	MAP kinase, putative; protein	0	0.50	0.87	0.94	1.37	1.42	1.68	1.0	0.16	-1.99	-0.78
A020865_01	At4g18780	cellulose synthase - like prote	0	-1.30	0.67	1.39	2.40	1.65	1.03	0.7	1.61	-1.09	-1.34
A020877_01	At5g03170	fasciclin-like arabinogalactan-	0	-0.79	0.50	1.01	2.46	1.86	1.04	0.7	1.61	-1.22	-1.35
A021101_01	At2g03350	expressed protein; protein id:	0	-0.28	-0.09	-0.23	0.09	-0.32	-1.06	0.6	4.47	1.55	0.24
A021199_01	At3g24420	unknown protein; protein id: A	0	1.25	1.56	1.41	1.21	1.57	1.93	0.7	1.20	-1.87	0.50
A021618_01	At2g02130	plant defensin protein, putativ	0	-1.40	-0.69	-0.48	-0.82	-0.72	-1.11	0.7	1.20	1.74	-1.40
A021825_01	At5g66230	putative protein; protein id: At	0	-2.95	-2.81	-1.83	-2.34	-2.25	-1.78	1.2	0.06	1.91	-2.04
A022122_01	At5g46240	potassium channel protein <i>K_v</i>	0	NA	0.28	1.11	1.59	1.54	2.75	1.1	0.10	NA	NA
A024432_01	At1g13650	unknown protein; protein id: A	0	1.21	2.02	2.03	2.75	2.42	1.58	0.7	2.21	-1.68	0.15
A025631_01	At1g12640	unknown protein; protein id: A	0	0.84	0.93	0.98	1.23	1.39	1.65	1.1	0.10	-2.02	-0.31
A025993_01	At5g55990	calcineurin B-like protein 2 (gl	0	-0.11	0.10	0.64	0.97	0.96	1.02	0.9	0.37	-1.60	-1.60
A001615_01	At1g24100	UDP-glycosyltransferase fam	0	-0.05	0.65	0.94	1.27	1.01	1.89	0.6	4.47	-1.63	-1.02
A009384_01	At3g16920	glycosyl hydrolase family 19 (	0	0.27	1.58	2.41	4.30	3.26	2.44	0.8	0.96	-1.59	-0.90
A019173_01	At5g10690	expressed protein; protein id:	0	-0.01	-0.38	-0.49	-0.59	-0.63	-1.05	0.7	1.61	2.49	0.74
A024387_01	At4g26000	KH domain protein; protein id	0	0.47	0.82	0.74	1.18	1.03	0.55	1.0	0.16	-1.57	0.04
A024446_01	At4g04610	5-adenylylsulfate reductase; p	0	-0.99	-0.40	1.00	1.16	1.46	2.74	1.1	0.10	-1.23	-1.92
A001491_01	At1g67870	expressed protein; protein id:	0	0.69	1.45	1.59	2.13	2.37	2.51	0.7	1.20	-1.99	-0.79
A000015_01	At1g17560	ribosomal protein, putative; pi	0	-1.60	-2.21	-1.83	-2.85	-2.37	-2.50	1.1	0.06	2.73	-0.56
A002438_01	At1g75410	BEL1-like homeodomain 3 pr	0	1.35	1.56	1.70	1.85	1.94	2.21	1.3	0.06	-2.03	0.14

A002620_01	At1g12280	disease resistance protein (C	0	0.32	0.33	0.65	1.27	1.40	1.56	1.0	0.20	-1.77	-1.29
A004544_01	At1g78420	expressed protein; protein id:	0	0.43	0.61	0.72	0.72	0.88	1.13	1.0	0.20	-2.00	-0.43
A004957_01	At5g27280	putative protein; protein id: At	0	0.30	0.99	1.06	1.57	1.64	1.27	1.7	0.06	-1.86	-0.79
A006010_01	At2g37130	peroxidase, putative (ATP2a)	0	3.29	4.14	3.95	3.71	3.60	3.04	1.4	0.06	-1.57	1.10
A006526_01	At2g43120	similar to pirin-like protein; pro	0	-0.34	-0.32	0.76	1.61	1.62	1.86	1.2	0.06	-1.37	-1.85
A006614_01	At2g37760	aldo/keto reductase family; pr	0	0.72	0.88	0.77	0.66	0.80	1.19	0.8	0.55	-1.80	0.51
A006983_01	At2g47720	hypothetical protein; protein ic	0	0.75	0.89	1.06	1.02	1.44	1.75	1.6	0.06	-1.97	-0.38
A007065_01	At2g38910	putative calcium-dependent p	0	1.45	0.94	0.53	0.56	0.58	-0.02	0.8	0.55	0.26	1.99
A007160_01	At2g35770	putative serine carboxypeptid	0	1.27	0.78	0.34	0.44	0.38	-0.16	0.7	0.96	0.51	1.98
A007253_01	At2g20610	putative tyrosine aminotransfe	0	-0.12	0.48	0.91	1.07	1.16	2.09	1.0	0.18	-1.62	-1.32
A007301_01	At2g26670	heme oxygenase 1 (HO1); pr	0	1.51	1.67	1.43	1.38	1.24	1.45	0.7	1.20	-1.54	1.31
A009204_01	At3g55110	ABC transporter family protei	0	-0.45	-0.76	-1.05	-1.64	-1.98	-1.74	0.9	0.37	2.60	0.68
A009717_01	At3g19150	Kip-related protein 6; protein i	0	0.15	1.00	1.13	1.64	1.59	1.44	0.8	0.66	-1.82	-0.86
A009718_01	At3g24830	60S ribosomal protein, putativ	0	-0.45	-0.93	-0.91	-1.54	-1.71	-1.71	1.1	0.10	2.70	0.49
A011147_01	At3g16290	FtsH protease, putative; prote	0	-0.72	-0.76	-0.80	-0.99	-1.06	-1.10	0.7	1.61	2.80	-0.46
A011464_01	At3g10130	unknown protein; protein id: A	0	0.70	1.04	1.11	1.40	1.47	1.50	1.5	0.06	-2.05	-0.36
A011649_01	At3g10770	expressed protein; protein id:	0	0.81	0.51	0.47	0.67	1.00	0.67	0.7	1.20	-1.51	0.33
A011737_01	At3g57530	calcium-dependent protein kin	0	1.02	1.38	1.34	1.18	0.92	1.24	0.9	0.37	-1.52	1.07
A012405_01	At3g11020	DRE binding protein (DREB2)	0	0.87	1.12	0.97	1.38	1.36	0.87	1.5	0.06	-1.72	0.41
A012825_01	At3g29240	chloroplast lumen common pr	0	1.52	1.73	1.43	1.32	1.37	1.37	1.5	0.06	-1.50	1.35
A013881_01	At4g32270	compared to genome	0	-0.87	-0.92	-1.05	-1.58	-1.63	-1.49	1.0	0.20	2.74	-0.13
A014791_01	At4g27450	unknown protein; protein id: A	0	2.76	2.70	2.91	3.03	3.07	2.88	1.2	0.06	-1.85	0.72
A014967_01	At4g23900	expressed protein; protein id:	0	1.77	1.49	1.10	0.69	1.28	0.75	1.0	0.16	-0.60	1.79
A015551_01	At5g04210	RRM-containing protein; prote	0	-1.13	-1.43	NA	-1.81	-1.70	-1.51	0.8	0.55	NA	NA
A016527_01	At5g56500	rubisco subunit binding-protei	0	-1.83	-2.12	-1.49	-1.20	NA	-1.16	1.5	0.06	NA	NA
A017523_01	At5g64740	cellulose synthase catalytic su	0	-0.41	-0.42	-0.53	-0.97	-1.30	-0.66	0.8	0.66	2.30	0.42
A017547_01	At5g55970	putative protein; protein id: At	0	1.44	1.95	2.75	3.60	3.31	3.47	1.8	0.06	-2.01	-0.58
A018765_01	At5g60470	putative zinc finger protein; pr	0	-0.84	-0.91	-0.78	-1.29	-1.36	-0.89	0.9	0.37	2.52	-0.51
A019001_01	At5g22440	60S ribosomal protein L10A; j	0	-0.73	-1.21	-1.08	-1.76	-2.18	-2.03	1.0	0.14	2.74	0.30
A019031_01	At5g64240	expressed protein; protein id:	0	1.48	1.70	1.88	2.34	2.81	3.23	1.1	0.14	-2.00	-0.48
A019042_01	At5g65910	expressed protein; protein id:	0	0.79	0.68	0.82	1.08	1.30	1.29	1.2	0.06	-1.94	-0.36
A019079_01	At5g43150	unknown protein; protein id: A	0	-0.31	0.25	1.16	2.06	2.05	1.54	1.1	0.06	-1.50	-1.56
A019792_01	At2g41140	CPDK-related protein kinase;	0	0.39	0.51	0.75	0.77	0.90	1.25	0.6	2.21	-1.93	-0.64
A022274_01	At4g20020	DAG-like protein; protein id: A	0	-0.79	-0.92	-0.85	-1.54	-0.90	-1.42	0.9	0.27	2.50	-0.27
A024543_01	At3g15840	expressed protein; protein id:	0	0.98	1.60	1.62	1.95	1.99	1.66	1.1	0.14	-1.93	0.02
A024776_01	At4g15545	expressed protein; protein id:	0	0.90	0.90	0.89	0.99	1.11	1.00	0.7	1.20	-1.90	0.53
A025167_01	At3g14640	cytochrome P450, putative; p	0	1.10	1.33	1.43	1.40	1.25	1.25	0.6	4.47	-1.80	0.80
A026000_01	At3g14660	cytochrome P450, putative; p	0	0.26	0.51	0.83	1.04	1.31	1.03	0.7	0.96	-1.86	-1.01
A026032_01	At2g14470	putative helicase; protein id: /	0	0.72	1.12	1.11	1.08	1.36	1.27	1.2	0.06	-1.97	0.13
A024469_01	At5g59820	zinc finger protein Zat12; prot	0	2.35	2.53	1.77	1.22	0.93	0.98	0.6	4.47	-0.31	2.10

Table S3. Expression profile of differentially expressed genes in the dataset reduced to 0-1, 2-3 and 10-14 DPA

Differentially expressed genes based on 3% FDR multiclass SAM after technical replicas averaged and 2-fold change after biological replicas averaged. Normalized Log2 (mean ratio relative to 0-1 DPA mean), 3% FDR multiclass SAM Score (d) and q value, and SOM cluster number and description on the 4x2 SOM analysis are shown.

Oligo ID	AGI	Annotation	0-1 DPA Mean	2-3 DPA Mean	10-11 and 12-14 DPA Mean	Score(d) SAM MC (FDR 3%)	q-value SAM MC (FDR 3%)	SOM group	SOM description
A000061_01	At1g76590	expressed protein; protein id: At1g76590.1	0	3.20	3.35	3.1	0.05	1	Up early and sustained
A000098_01	xxxx	b/t hypothetical protein; protein id: At1g12450	0	2.35	3.10	1.3	1.42	1	Up early and sustained
A000124_01	At1g23040	expressed protein; protein id: At1g23040.1	0	1.99	2.60	2.6	0.05	1	Up early and sustained
A000173_01	At1g44446	chlorophyll a oxygenase; protein id: At1g44444	0	0.83	1.04	1.8	0.23	1	Up early and sustained
A000382_01	At1g11080	serine carboxypeptidase isolog; protein id: At1	0	1.97	1.50	1.8	0.17	1	Up early and sustained
A000410_01	At1g02610	hypothetical protein; protein id: At1g02610.1	0	2.49	3.00	3.5	0.05	1	Up early and sustained
A000555_01	At1g72180	leucine-rich repeat transmembrane protein kir	0	1.04	0.84	1.2	2.11	1	Up early and sustained
A000577_01	At1g72160	cytosolic factor, putative; protein id: At1g7216	0	0.84	1.15	1.5	0.60	1	Up early and sustained
A000612_01	At1g13245	expressed protein; protein id: At1g13245.1	0	1.60	2.13	3.0	0.05	1	Up early and sustained
A000639_01	At1g16320	unknown protein; protein id: At1g16320.1	0	1.32	1.61	2.0	0.08	1	Up early and sustained
A000652_01	At1g29050	expressed protein; protein id: At1g29050.1	0	1.31	1.53	2.2	0.05	1	Up early and sustained
A000795_01	At1g66980	kinase, putative; protein id: At1g66980.1	0	1.27	1.14	1.7	0.23	1	Up early and sustained
A000814_01	At1g74840	myb family transcription factor; protein id: At1g	0	1.28	0.89	1.2	1.42	1	Up early and sustained
A000827_01	At1g80160	expressed protein; protein id: At1g80160.1	0	2.67	3.38	3.6	0.05	1	Up early and sustained
A000828_01	At1g80180	expressed protein; protein id: At1g80180.1	0	2.54	3.06	3.1	0.05	1	Up early and sustained
A000853_01	At1g52680	expressed protein; protein id: At1g52680.1	0	1.01	1.16	1.4	1.11	1	Up early and sustained
A000856_01	At1g27300	expressed protein; protein id: At1g27300.1	0	1.30	1.52	2.1	0.08	1	Up early and sustained
A001091_01	At1g64680	expressed protein; protein id: At1g64680.1	0	1.06	1.30	2.3	0.05	1	Up early and sustained
A001092_01	At1g64860	plastid RNA polymerase sigma-subunit; protei	0	1.18	1.17	1.2	2.11	1	Up early and sustained
A001093_01	At1g79270	expressed protein; protein id: At1g79270.1	0	1.62	1.88	1.6	0.36	1	Up early and sustained
A001105_01	At1g14330	hypothetical protein; protein id: At1g14330.1	0	1.15	0.94	1.5	0.60	1	Up early and sustained
A001121_01	At1g58180	carbonic anhydrase, putative; protein id: At1g	0	2.51	2.04	3.2	0.05	1	Up early and sustained
A001136_01	At1g21410	F-box protein family; protein id: At1g21410.1	0	1.45	1.53	2.0	0.08	1	Up early and sustained
A001180_01	At1g70290	trehalose-6-phosphate synthase, putative; pro	0	2.00	2.24	3.1	0.05	1	Up early and sustained
A001197_01	At1g27320	putative sensory transduction histidine kinase	0	1.68	1.95	1.9	0.11	1	Up early and sustained
A001222_01	At1g78320	glutathione transferase, putative; protein id: Ai	0	1.08	1.02	1.1	5.44	1	Up early and sustained
A001234_01	At1g64230	E2, ubiquitin-conjugating enzyme, putative; pr	0	0.88	1.16	2.1	0.08	1	Up early and sustained
A001240_01	At1g28260	hypothetical protein; protein id: At1g28260.1	0	1.37	1.32	2.1	0.05	1	Up early and sustained
A001254_01	At1g18270	unknown protein; protein id: At1g18270.1	0	1.86	1.31	2.3	0.05	1	Up early and sustained
A001284_01	At1g79040	photosystem II polypeptide, putative; protein ic	0	1.05	1.46	1.9	0.08	1	Up early and sustained
A001303_01	At1g15670	expressed protein; protein id: At1g15670.1	0	2.25	2.49	2.7	0.05	1	Up early and sustained
A001378_01	At1g32460	expressed protein; protein id: At1g32460.1	0	1.10	1.09	2.0	0.08	1	Up early and sustained
A001390_01	At1g45976	S-ribonuclease binding protein SBP1, putative	0	0.85	1.04	1.7	0.23	1	Up early and sustained
A001451_01	At1g21400	branched-chain alpha keto-acid dehydrogenas	0	2.37	2.00	2.3	0.05	1	Up early and sustained
A001495_01	At1g52890	NAM-like protein; protein id: At1g52890.1	0	1.57	1.40	2.0	0.08	1	Up early and sustained

A001567_01	At1g07040	expressed protein; protein id: At1g07040.1	0	1.90	1.75	1.8	0.23	1 Up early and sustained
A001827_01	At1g17050	geranyl diphosphate synthase (GPPS)(dimeth	0	1.03	1.17	1.5	0.47	1 Up early and sustained
A001861_01	At1g78510	geranyl diphosphate synthase (GPPS)(dimeth	0	1.01	1.32	1.6	0.47	1 Up early and sustained
A001874_01	At1g72680	putative cinnamyl-alcohol dehydrogenase; pro	0	1.30	1.20	1.9	0.08	1 Up early and sustained
A001959_01	At1g04400	putative cryptochrome 2 apoprotein; protein id	0	1.05	0.76	1.2	2.11	1 Up early and sustained
A001970_01	At1g06570	4-hydroxyphenylpyruvate dioxygenase (HPD);	0	2.18	2.16	2.4	0.05	1 Up early and sustained
A002008_01	At1g47960	expressed protein; protein id: At1g47960.1	0	1.90	2.18	2.3	0.05	1 Up early and sustained
A002118_01	At1g78080	AP2 domain protein RAP2.4; protein id: At1g7	0	1.31	1.48	2.3	0.05	1 Up early and sustained
A002126_01	At1g02850	glycosyl hydrolase family 1; protein id: At1g02	0	1.23	0.87	1.7	0.27	1 Up early and sustained
A002244_01	At1g53560	expressed protein; protein id: At1g53560.1	0	1.68	2.09	3.0	0.05	1 Up early and sustained
A002441_01	At1g27100	unknown protein; protein id: At1g27100.1	0	1.50	1.48	1.4	1.11	1 Up early and sustained
A002473_01	At1g69110	pseudogene, putative ribosomal protein	0	1.76	1.21	1.7	0.23	1 Up early and sustained
A002488_01	At1g76110	unknown protein; protein id: At1g76110.1	0	1.39	0.88	1.5	0.47	1 Up early and sustained
A002676_01	At1g61810	glycosyl hydrolase family 1; protein id: At1g61	0	2.29	2.56	2.4	0.05	1 Up early and sustained
A002732_01	At1g73680	feebly-like protein; protein id: At1g73680.1	0	1.02	1.23	1.6	0.47	1 Up early and sustained
A002736_01	At1g29760	hypothetical protein; protein id: At1g29760.1	0	1.09	1.18	1.6	0.47	1 Up early and sustained
A002737_01	At1g28580	lipase, putative; protein id: At1g28580.1	0	1.07	1.37	1.8	0.23	1 Up early and sustained
A002797_01	At1g54710	expressed protein; protein id: At1g54710.1	0	1.12	1.22	1.4	1.11	1 Up early and sustained
A002800_01	At1g76150	hypothetical protein; protein id: At1g76150.1	0	0.96	1.10	1.4	1.11	1 Up early and sustained
A002855_01	At1g32700	expressed protein; protein id: At1g32700.1	0	1.70	2.10	2.5	0.05	1 Up early and sustained
A002871_01	At1g34300	hypothetical protein; protein id: At1g34300.1	0	0.91	1.17	1.4	0.75	1 Up early and sustained
A002917_01	At1g68620	expressed protein; protein id: At1g68620.1	0	3.00	1.95	2.3	0.05	1 Up early and sustained
A003084_01	At1g05340	expressed protein; protein id: At1g05340.1	0	2.81	2.59	2.8	0.05	1 Up early and sustained
A003114_01	At1g19450	integral membrane protein, putative; protein ic	0	1.16	1.12	1.6	0.41	1 Up early and sustained
A003121_01	At1g55110	zinc finger protein, putative; protein id: At1g55	0	1.01	0.90	1.6	0.41	1 Up early and sustained
A003130_01	At1g30090	expressed protein; protein id: At1g30090.1	0	1.11	0.67	1.1	5.44	1 Up early and sustained
A003134_01	At1g26440	fatty acid elongase 3-ketoacyl-CoA synthase 1	0	0.75	1.06	1.7	0.27	1 Up early and sustained
A003186_01	At1g67070	phosphomannose isomerase, putative; proteir	0	2.18	1.44	3.3	0.05	1 Up early and sustained
A003337_01	At1g52760	putative lipase; protein id: At1g52760.1	0	0.79	1.11	1.1	5.44	1 Up early and sustained
A003475_01	At1g80920	J8-like protein; protein id: At1g80920.1	0	2.03	1.93	2.2	0.05	1 Up early and sustained
A003510_01	At1g10140	expressed protein; protein id: At1g10140.1	0	2.09	1.37	2.2	0.05	1 Up early and sustained
A003518_01	At1g79380	expressed protein; protein id: At1g79380.1	0	1.16	1.32	1.9	0.11	1 Up early and sustained
A003538_01	At1g03610	expressed protein; protein id: At1g03610.1	0	1.57	1.47	2.6	0.05	1 Up early and sustained
A003544_01	At1g16720	unknown protein; protein id: At1g16720.1	0	1.31	1.06	1.5	0.47	1 Up early and sustained
A003556_01	At1g34000	expressed protein; protein id: At1g34000.1	0	0.86	1.18	1.7	0.36	1 Up early and sustained
A003614_01	At1g33050	unknown protein; protein id: At1g33050.1	0	1.40	1.49	1.7	0.36	1 Up early and sustained
A003636_01	At1g05840	expressed protein; protein id: At1g05840.1	0	1.14	1.23	1.2	2.11	1 Up early and sustained
A003675_01	At1g70520	putative protein kinase; protein id: At1g70520.	0	1.27	0.98	1.3	1.42	1 Up early and sustained
A003925_01	At1g54130	RSH3 (RelA/SpoT homolog); protein id: At1g5	0	0.84	1.15	1.5	0.60	1 Up early and sustained
A003989_01	At1g11210	expressed protein; protein id: At1g11210.1	0	1.93	2.16	3.2	0.05	1 Up early and sustained
A004039_01	xxxx	b/t F-box protein family; protein id: At1g67190	0	1.01	1.20	1.2	2.11	1 Up early and sustained
A004048_01	At1g18470	expressed protein; protein id: At1g18470.1	0	1.41	1.00	1.4	1.11	1 Up early and sustained
A004151_01	At1g33110	unknown protein; protein id: At1g33110.1	0	1.08	1.41	1.8	0.19	1 Up early and sustained
A004173_01	At1g29800	unknown protein; protein id: At1g29800.1	0	1.08	1.11	1.8	0.19	1 Up early and sustained
A004177_01	At1g63180	uridine diphosphate glucose epimerase, putat	0	1.23	0.74	1.9	0.11	1 Up early and sustained

A004243_01	At1g26800	expressed protein; protein id: At1g26800.1	0	1.94	1.79	2.3	0.05	1 Up early and sustained
A004276_01	At1g03660	unknown; protein id: At1g03660.1	0	2.84	2.46	2.5	0.05	1 Up early and sustained
A004350_01	At1g80600	putative acetylornithine transaminase; protein	0	0.90	1.12	1.2	2.11	1 Up early and sustained
A004408_01	At1g49500	expressed protein; protein id: At1g49500.1	0	1.84	1.49	1.4	1.11	1 Up early and sustained
A004437_01	At1g80440	expressed protein; protein id: At1g80440.1	0	2.13	2.53	2.6	0.05	1 Up early and sustained
A004495_01	At1g68520	CONSTANS B-box zinc finger family protein; p	0	1.71	1.31	2.0	0.08	1 Up early and sustained
A004511_01	At1g15740	expressed protein; protein id: At1g15740.1	0	1.60	1.35	1.7	0.27	1 Up early and sustained
A004597_01	At1g23390	Kelch repeat containing F-box protein family; p	0	1.79	1.81	2.4	0.05	1 Up early and sustained
A004612_01	At1g67860	expressed protein; protein id: At1g67860.1	0	2.98	3.93	3.5	0.05	1 Up early and sustained
A004704_01	At1g28330	dormancy-associated protein, putative; proteir	0	2.20	1.36	1.5	0.60	1 Up early and sustained
A004705_01	At1g04440	putative casein kinase I; protein id: At1g04440	0	0.94	1.04	1.4	1.11	1 Up early and sustained
A004735_01	At1g68580	unknown protein; protein id: At1g68580.1	0	1.21	1.29	2.0	0.08	1 Up early and sustained
A004748_01	At1g44770	unknown protein; protein id: At1g44770.1	0	0.94	1.01	1.3	1.11	1 Up early and sustained
A004774_01	At1g04970	expressed protein; protein id: At1g04970.1	0	1.16	1.34	1.4	0.75	1 Up early and sustained
A004896_01	At1g09570	putative phytochrome A; protein id: At1g09570	0	1.07	1.03	1.8	0.19	1 Up early and sustained
A004915_01	At1g60140	trehalose-6-phosphate synthase, putative; pro	0	1.59	1.88	2.4	0.05	1 Up early and sustained
A005009_01	xxxx	b/t unknown protein; protein id: At1g49030.1	0	1.52	1.41	2.5	0.05	1 Up early and sustained
A005086_01	At1g22930	unknown protein; protein id: At1g22930.1	0	1.59	1.89	1.2	2.11	1 Up early and sustained
A005097_01	At3g51840	acyl-coA dehydrogenase; protein id: At3g51840	0	1.12	1.57	2.3	0.05	1 Up early and sustained
A005182_01	At2g28305	expressed protein; protein id: At2g28305.1	0	1.45	1.61	1.6	0.36	1 Up early and sustained
A005366_01	At5g20250	glycosyl hydrolase family 36; protein id: At5g20250	0	2.35	1.68	1.3	1.42	1 Up early and sustained
A005557_01	At3g51890	putative protein; protein id: At3g51890.1	0	1.55	2.09	3.7	0.05	1 Up early and sustained
A005562_01	At1g23870	trehalose 6-phosphate synthase, putative; pro	0	1.54	1.90	3.0	0.05	1 Up early and sustained
A005629_01	At5g21170	AKIN beta1; protein id: At5g21170.1	0	1.33	0.95	1.6	0.47	1 Up early and sustained
A005751_01	At4g37520	peroxidase, putative; protein id: At4g37520.1	0	2.92	3.62	5.1	0.05	1 Up early and sustained
A005981_01	At1g20620	catalase 3; protein id: At1g20620.1	0	1.44	1.84	2.6	0.05	1 Up early and sustained
A006021_01	not annotated	EST ethylene-responsive element binding pr	0	2.12	1.72	1.8	0.19	1 Up early and sustained
A006022_01	At4g20260	endomembrane-associated protein; protein id	0	2.17	3.06	2.5	0.05	1 Up early and sustained
A006056_01	At2g37970	expressed protein; protein id: At2g37970.1	0	1.25	1.77	1.6	0.36	1 Up early and sustained
A006227_01	At2g30230	hypothetical protein; protein id: At2g30230.1	0	1.74	0.99	1.5	0.60	1 Up early and sustained
A006235_01	At2g42790	putative citrate synthase; protein id: At2g42790	0	1.69	2.37	2.6	0.05	1 Up early and sustained
A006253_01	At2g24180	cytochrome p450 family; protein id: At2g24180	0	1.02	1.33	1.6	0.47	1 Up early and sustained
A006277_01	At2g35800	putative mitochondrial carrier protein; protein i	0	1.06	0.71	1.5	0.60	1 Up early and sustained
A006291_01	At2g33990	putative SF16 protein {Helianthus annuus}; pr	0	1.05	0.68	1.4	1.11	1 Up early and sustained
A006421_01	At2g38230	similar to SOR1 from the fungus Cercospora r	0	1.65	1.19	1.7	0.23	1 Up early and sustained
A006771_01	At2g35900	hypothetical protein; protein id: At2g35900.1	0	1.53	1.98	2.8	0.05	1 Up early and sustained
A006799_01	At2g23430	Kip-related protein 1; protein id: At2g23430.1	0	2.05	2.60	1.2	2.11	1 Up early and sustained
A006811_01	At2g13360	alanine-glyoxylate aminotransferase; protein ic	0	1.50	1.81	3.5	0.05	1 Up early and sustained
A006817_01	At2g14910	unknown protein; protein id: At2g14910.1	0	1.02	1.32	2.2	0.05	1 Up early and sustained
A006826_01	At2g19570	putative cytidine deaminase; protein id: At2g19570	0	1.74	2.04	1.6	0.41	1 Up early and sustained
A006885_01	At2g02710	putative receptor-like protein kinase; protein ic	0	2.42	2.66	2.7	0.05	1 Up early and sustained
A006897_01	At2g32880	unknown protein; protein id: At2g32880.1	0	1.62	2.26	1.2	2.11	1 Up early and sustained
A006919_01	At2g46950	cytochrome p450, putative; protein id: At2g46950	0	2.87	3.09	3.0	0.05	1 Up early and sustained
A007075_01	At2g21180	expressed protein; protein id: At2g21180.1	0	1.43	1.81	2.3	0.05	1 Up early and sustained
A007148_01	At2g42750	expressed protein; protein id: At2g42750.1	0	1.72	2.21	3.1	0.05	1 Up early and sustained

A007336_01	At2g28400	hypothetical protein; protein id: At2g28400.1	0	2.34	2.10	1.8	0.17	1	Up early and sustained
A007347_01	At2g23320	WRKY family transcription factor; protein id: A	0	1.75	1.32	2.1	0.08	1	Up early and sustained
A007422_01	At2g48020	putative sugar transporter; protein id: At2g480	0	1.19	1.19	1.9	0.17	1	Up early and sustained
A007431_01	At2g28200	putative zinc-finger protein; protein id: At2g28:	0	0.87	1.06	1.5	0.47	1	Up early and sustained
A007530_01	At2g03550	putative esterase; protein id: At2g03550.1	0	1.26	1.10	1.6	0.41	1	Up early and sustained
A007535_01	At2g15960	expressed protein; protein id: At2g15960.1	0	2.67	2.19	3.2	0.05	1	Up early and sustained
A007590_01	At2g23450	putative protein kinase; protein id: At2g23450.	0	1.84	1.69	2.2	0.05	1	Up early and sustained
A007696_01	At2g39400	putative phospholipase; protein id: At2g39400	0	3.23	2.89	2.4	0.05	1	Up early and sustained
A007704_01	At2g39570	expressed protein; protein id: At2g39570.1	0	1.41	0.99	1.6	0.41	1	Up early and sustained
A007750_01	At2g33480	putative NAM (no apical meristem)-like proteir	0	2.28	2.72	2.6	0.05	1	Up early and sustained
A007756_01	At2g41250	hypothetical protein; protein id: At2g41250.1	0	1.21	1.01	1.2	5.44	1	Up early and sustained
A007794_01	At2g01850	xyloglucan endotransglycosylase (EXGT-A3);	0	1.34	1.41	2.2	0.05	1	Up early and sustained
A007959_01	At2g45980	expressed protein; protein id: At2g45980.1	0	1.05	1.14	1.7	0.27	1	Up early and sustained
A007966_01	At2g31800	putative protein kinase; protein id: At2g31800.	0	1.37	1.49	2.2	0.05	1	Up early and sustained
A007977_01	At2g18050	histone H1; protein id: At2g18050.1	0	3.03	2.83	2.9	0.05	1	Up early and sustained
A008183_01	At2g26030	F-box protein; protein id: At2g26030.1	0	1.04	0.77	1.4	0.75	1	Up early and sustained
A008454_01	At2g20730	unknown protein; protein id: At2g20730.1	0	1.11	1.14	1.9	0.08	1	Up early and sustained
A008481_01	At2g21120	unknown protein; protein id: At2g21120.1	0	1.24	1.23	1.8	0.23	1	Up early and sustained
A008532_01	At2g33150	3-ketoacyl-CoA thiolase; protein id: At2g33150	0	1.08	1.35	1.9	0.08	1	Up early and sustained
A008637_01	At2g43400	putative electron transfer flavoprotein ubiquinc	0	1.17	0.72	1.8	0.19	1	Up early and sustained
A008664_01	At2g45170	AtAPG8e; putative microtubule-associated pro	0	1.67	2.16	2.7	0.05	1	Up early and sustained
A008667_01	At2g46030	E2, ubiquitin-conjugating enzyme 6 (UBC6); p	0	1.37	1.37	1.6	0.41	1	Up early and sustained
A008692_01	At2g15890	expressed protein; protein id: At2g15890.1	0	2.22	1.88	1.5	0.47	1	Up early and sustained
A008722_01	At2g18700	putative trehalose-6-phosphate synthase; prot	0	2.13	1.97	2.3	0.05	1	Up early and sustained
A008733_01	At2g17450	putative RING zinc finger protein; protein id: A	0	1.13	1.19	1.9	0.08	1	Up early and sustained
A009064_01	At3g56140	chloroplast lumen common protein family; pro	0	0.89	1.13	2.4	0.05	1	Up early and sustained
A009077_01	At3g25690	unknown protein; protein id: At3g25690.1	0	1.04	1.15	1.3	1.42	1	Up early and sustained
A009121_01	At3g63210	putative protein; protein id: At3g63210.1	0	1.02	1.02	1.4	0.75	1	Up early and sustained
A009305_01	At3g22750	expressed protein; protein id: At3g22750.1	0	1.49	1.30	1.9	0.17	1	Up early and sustained
A009434_01	At3g57720	protein kinase - like protein; protein id: At3g57	0	1.83	1.11	2.1	0.05	1	Up early and sustained
A009525_01	At3g53420	plasma membrane intrinsic protein 2a; protein	0	1.33	1.07	1.2	2.11	1	Up early and sustained
A009551_01	At3g45780	nonphototropic hypocotyl 1; protein id: At3g45	0	1.11	1.06	2.2	0.05	1	Up early and sustained
A009557_01	At3g12320	expressed protein; protein id: At3g12320.1	0	1.31	1.33	1.3	1.42	1	Up early and sustained
A009780_01	At3g01520	expressed protein; protein id: At3g01520.1	0	1.00	0.90	1.2	2.11	1	Up early and sustained
A009848_01	At3g02140	expressed protein; protein id: At3g02140.1	0	2.00	2.09	2.8	0.05	1	Up early and sustained
A009906_01	At3g06420	AtAPG8h; expressed protein; protein id: At3g0	0	2.07	1.82	2.2	0.05	1	Up early and sustained
A010276_01	At3g54500	putative protein; protein id: At3g54500.1	0	1.00	1.32	1.4	0.75	1	Up early and sustained
A010307_01	At3g26165	pseudogene, cytochrome P450 At3g26165	0	2.18	2.23	2.6	0.05	1	Up early and sustained
A010318_01	At3g51730	putative protein; protein id: At3g51730.1	0	2.12	2.17	2.4	0.05	1	Up early and sustained
A010323_01	At3g52480	putative protein; protein id: At3g52480.1	0	1.33	1.73	2.0	0.08	1	Up early and sustained
A010364_01	At3g11100	expressed protein; protein id: At3g11100.1	0	1.22	1.19	1.5	0.60	1	Up early and sustained
A010383_01	At3g45010	carboxypeptidase precursor-like protein; prote	0	1.91	2.14	2.1	0.08	1	Up early and sustained
A010390_01	At3g15770	hypothetical protein; protein id: At3g15770.1	0	1.18	0.87	1.2	2.11	1	Up early and sustained
A010464_01	At3g19900	expressed protein; protein id: At3g19900.1	0	1.25	1.19	1.2	2.11	1	Up early and sustained
A010617_01	At3g05160	putative sugar transporter; protein id: At3g051	0	1.47	1.97	3.4	0.05	1	Up early and sustained

A010658_01	At3g55610	delta-1-pyrroline-5-carboxylate synthetase; pr	0	1.48	0.98	1.1	5.44	1 Up early and sustained
A010805_01	At3g03870	expressed protein; protein id: At3g03870.1	0	1.82	2.18	2.6	0.05	1 Up early and sustained
A011094_01	At3g21790	putative UDP-glucose glucosyltransferase; pr	0	1.44	1.99	2.0	0.08	1 Up early and sustained
A011130_01	At3g14280	unknown protein; protein id: At3g14280.1	0	2.45	2.95	3.7	0.05	1 Up early and sustained
A011307_01	At3g59210	putative protein; protein id: At3g59210.1	0	1.59	1.11	1.3	1.11	1 Up early and sustained
A011428_01	At3g09030	hypothetical protein; protein id: At3g09030.1	0	0.91	1.27	1.4	0.75	1 Up early and sustained
A011429_01	At3g20250	pumilio-family RNA-binding protein, putative; p	0	1.37	1.34	1.5	0.60	1 Up early and sustained
A011613_01	At3g23640	glycosyl hydrolase family 31; protein id: At3g2	0	1.17	0.82	1.3	1.42	1 Up early and sustained
A011631_01	At3g61260	putative DNA-binding protein; protein id: At3g6	0	1.37	1.35	1.7	0.27	1 Up early and sustained
A011732_01	At3g62420	bZIP family transcription factor; protein id: At3	0	1.06	0.94	1.5	0.47	1 Up early and sustained
A011750_01	At3g58740	citrate synthase -like protein; protein id: At3g5	0	0.97	1.21	2.0	0.08	1 Up early and sustained
A011763_01	At3g14990	4-methyl-5(b-hydroxyethyl)-thiazole monophos	0	1.26	0.95	1.6	0.36	1 Up early and sustained
A011777_01	At3g13445	transcription initiation factor TFIID-1 (TATA se	0	1.49	1.13	1.6	0.41	1 Up early and sustained
A011819_01	At3g61890	homeobox-leucine zipper protein ATHB-12; pr	0	2.21	2.54	2.2	0.05	1 Up early and sustained
A011831_01	At3g51130	putative protein; protein id: At3g51130.1	0	1.16	1.13	1.5	0.60	1 Up early and sustained
A011854_01	At3g45640	mitogen-activated protein kinase 3; protein id:	0	1.08	1.12	1.5	0.60	1 Up early and sustained
A011912_01	At3g45300	isovaleryl-CoA-dehydrogenase precursor (IVC	0	2.96	2.32	2.3	0.05	1 Up early and sustained
A011932_01	At3g61930	hypothetical protein; protein id: At3g61930.1	0	2.07	2.05	1.9	0.11	1 Up early and sustained
A012001_01	At3g06780	expressed protein; protein id: At3g06780.1	0	1.02	1.34	1.6	0.36	1 Up early and sustained
A012086_01	At3g17000	E2, ubiquitin-conjugating enzyme, putative; pr	0	1.02	0.94	1.3	1.42	1 Up early and sustained
A012123_01	At3g18773	pseudogene, unknown protein	0	1.19	1.23	1.8	0.19	1 Up early and sustained
A012367_01	At3g21650	B regulatory subunit of PP2A, putative; proteir	0	0.92	1.14	1.5	0.60	1 Up early and sustained
A012379_01	At3g16110	putative protein disulfide isomerase; protein id	0	1.29	1.40	1.9	0.11	1 Up early and sustained
A012385_01	At3g06040	hypothetical protein; protein id: At3g06040.1	0	1.21	1.08	2.2	0.05	1 Up early and sustained
A012421_01	At3g19500	expressed protein; protein id: At3g19500.1	0	1.06	1.42	1.9	0.11	1 Up early and sustained
A012430_01	At3g59270	putative protein; protein id: At3g59270.1	0	3.26	1.93	2.4	0.05	1 Up early and sustained
A012502_01	At3g07870	F-box protein family; protein id: At3g07870.1	0	1.58	1.75	3.1	0.05	1 Up early and sustained
A012655_01	At3g23970	hypothetical protein; protein id: At3g23970.1	0	1.99	1.84	2.6	0.05	1 Up early and sustained
A012694_01	At3g26580	unknown protein; protein id: At3g26580.1	0	1.44	1.41	1.7	0.36	1 Up early and sustained
A012695_01	At3g62260	protein phosphatase 2C (PP2C); protein id: At	0	1.47	1.61	1.9	0.17	1 Up early and sustained
A012707_01	At3g51000	epoxide hydrolase-like protein; protein id: At3g	0	0.90	1.07	1.3	1.42	1 Up early and sustained
A012738_01	At3g26890	expressed protein; protein id: At3g26890.1	0	0.90	1.05	1.8	0.23	1 Up early and sustained
A012754_01	At3g13750	glycosyl hydrolase family 35 (beta-galactosida	0	2.17	2.02	1.6	0.36	1 Up early and sustained
A012770_01	At3g55980	putative protein; protein id: At3g55980.1	0	0.93	1.19	1.5	0.47	1 Up early and sustained
A012771_01	At3g58750	citrate synthase -like protein; protein id: At3g5	0	1.09	1.06	1.9	0.08	1 Up early and sustained
A012812_01	At3g47950	H ⁺ -transporting ATPase - like protein; protein	0	2.80	2.07	1.9	0.08	1 Up early and sustained
A012838_01	At3g47160	RNA-binding protein-like protein; protein id: At	0	1.40	1.26	1.3	1.42	1 Up early and sustained
A012847_01	At3g15810	expressed protein; protein id: At3g15810.1	0	1.29	1.81	2.9	0.05	1 Up early and sustained
A012944_01	At4g32070	putative protein; protein id: At4g32070.1	0	1.10	1.42	1.5	0.60	1 Up early and sustained
A012964_01	At4g19510	disease resistance protein (TIR-NBS-LRR cla	0	1.03	1.12	1.7	0.27	1 Up early and sustained
A013000_01	At4g34350	putative protein; protein id: At4g34350.1	0	1.39	1.82	1.6	0.41	1 Up early and sustained
A013032_01	At4g24020	putative protein; protein id: At4g24020.1	0	0.99	1.14	1.5	0.47	1 Up early and sustained
A013044_01	At4g23890	putative protein; protein id: At4g23890.1	0	1.17	1.12	1.6	0.41	1 Up early and sustained
A013046_01	At4g21560	putative protein; protein id: At4g21560.1	0	1.02	0.72	1.6	0.41	1 Up early and sustained
A013050_01	At4g01026	expressed protein; protein id: At4g01026.1	0	0.85	1.05	1.6	0.41	1 Up early and sustained

A013086_01	At4g21580	putative NADPH quinone oxidoreductase; pro	0	1.33	0.98	2.0	0.08	1 Up early and sustained
A013095_01	At4g02520	glutathione transferase, putative; protein id: At	0	3.46	2.26	2.4	0.05	1 Up early and sustained
A013240_01	At4g10920	putative protein; protein id: At4g10920.1	0	2.16	1.58	3.3	0.05	1 Up early and sustained
A013435_01	At4g01600	putative ABA-repsonsive protein; protein id: A	0	1.34	1.89	1.8	0.19	1 Up early and sustained
A013697_01	At4g15610	expressed protein; protein id: At4g15610.1	0	3.16	3.27	2.9	0.05	1 Up early and sustained
A013714_01	At4g01610	cathepsin B-like cysteine protease, putative; p	0	1.67	1.71	2.0	0.08	1 Up early and sustained
A013782_01	At4g20930	3-hydroxyisobutyrate dehydrogenase -like pro	0	1.13	0.97	1.7	0.27	1 Up early and sustained
A013805_01	At4g21980	AtAPG8a; symbiosis-related like protein; prote	0	1.54	1.81	2.2	0.05	1 Up early and sustained
A014031_01	At4g26700	fimbrin-like protein (ATFIM1); protein id: At4g	0	1.13	1.49	2.5	0.05	1 Up early and sustained
A014066_01	At4g23880	hypothetical protein; protein id: At4g23880.1	0	2.24	1.62	2.4	0.05	1 Up early and sustained
A014072_01	At4g16520	AtAPG8f; symbiosis-related like protein; prote	0	1.16	1.35	2.2	0.05	1 Up early and sustained
A014097_01	At4g22920	expressed protein; protein id: At4g22920.1	0	2.19	2.96	2.3	0.05	1 Up early and sustained
A014126_01	At4g28025	expressed protein; protein id: At4g28025.1	0	1.09	1.06	1.8	0.23	1 Up early and sustained
A014130_01	At4g30490	putative protein; protein id: At4g30490.1	0	1.00	1.30	1.1	5.44	1 Up early and sustained
A014147_01	At4g36400	actin interacting protein; protein id: At4g36400	0	1.20	0.77	1.5	0.47	1 Up early and sustained
A014161_01	At4g36760	aminopeptidase-like protein; protein id: At4g36	0	1.45	1.00	1.5	0.60	1 Up early and sustained
A014165_01	At4g30790	putative protein; protein id: At4g30790.1	0	1.04	1.00	1.3	1.42	1 Up early and sustained
A014276_01	At4g13530	putative protein; protein id: At4g13530.1	0	1.51	1.37	1.4	1.11	1 Up early and sustained
A014295_01	At4g11570	putative protein; protein id: At4g11570.1	0	1.44	1.60	1.9	0.08	1 Up early and sustained
A014457_01	At4g31510	putative protein; protein id: At4g31510.1	0	1.26	1.29	1.8	0.23	1 Up early and sustained
A014519_01	At4g04460	putative aspartic protease; protein id: At4g044	0	1.77	2.27	2.5	0.05	1 Up early and sustained
A014539_01	At4g16130	galactokinase like protein; protein id: At4g161	0	1.04	1.04	1.5	0.60	1 Up early and sustained
A014646_01	At4g11960	putative protein; protein id: At4g11960.1	0	0.93	1.20	1.5	0.47	1 Up early and sustained
A014702_01	At4g33050	putative protein; protein id: At4g33050.1	0	2.32	2.98	3.4	0.05	1 Up early and sustained
A014758_01	At4g35770	senescence-associated protein sen1; protein id	0	3.33	2.36	2.3	0.05	1 Up early and sustained
A014765_01	At4g17080	hypothetical protein; protein id: At4g17080.1	0	1.01	1.32	2.1	0.05	1 Up early and sustained
A014769_01	At4g02380	coded for by A. thaliana cDNA T46835; protei	0	1.28	1.46	1.9	0.08	1 Up early and sustained
A014798_01	At4g14430	carnitine racemase like protein; protein id: At4	0	1.07	0.78	1.3	1.42	1 Up early and sustained
A014835_01	At4g30630	putative protein; protein id: At4g30630.1	0	0.77	1.00	1.9	0.11	1 Up early and sustained
A014855_01	At4g34320	hypothetical protein common family; protein id	0	2.41	1.97	2.0	0.08	1 Up early and sustained
A014858_01	At4g33666	expressed protein; protein id: At4g33666.1	0	1.86	2.27	3.6	0.05	1 Up early and sustained
A014892_01	At4g37310	cytochrome P450-like protein	0	2.13	2.87	1.1	5.44	1 Up early and sustained
A014936_01	At4g36410	E2, ubiquitin-conjugating enzyme 17 (UBC17)	0	1.17	0.90	1.4	0.75	1 Up early and sustained
A014947_01	At4g03510	E3 ubiquitin ligase, RMA1; protein id: At4g035	0	1.61	1.50	2.5	0.05	1 Up early and sustained
A014984_01	At4g05070	coded for by A. thaliana cDNA T44741; protei	0	1.96	1.41	1.9	0.17	1 Up early and sustained
A015084_01	At4g34390	extra-large G-protein - like; protein id: At4g34	0	0.84	1.04	1.4	0.75	1 Up early and sustained
A015167_01	At4g31390	similar to putative ABC transporter; protein id:	0	1.47	1.70	1.3	1.42	1 Up early and sustained
A015260_01	At4g16370	isp4 like protein; protein id: At4g16370.1	0	0.94	1.10	1.5	0.47	1 Up early and sustained
A015267_01	At4g16480	membrane transporter like protein; protein id:	0	0.97	1.19	1.4	1.11	1 Up early and sustained
A015279_01	At4g16690	cyanohydrin lyase like protein; protein id: At4g	0	1.47	1.20	1.6	0.41	1 Up early and sustained
A015313_01	At4g31240	similar to putative receptor kinase; protein id: .	0	1.17	1.34	1.4	0.75	1 Up early and sustained
A015336_01	At4g32150	synaptobrevin-like protein; protein id: At4g321	0	1.02	1.10	1.7	0.27	1 Up early and sustained
A015351_01	At4g28240	putative wound induced protein; protein id: At	0	1.53	1.74	1.7	0.27	1 Up early and sustained
A015543_01	At5g13180	NAM-like protein; protein id: At5g13180.1	0	1.61	2.14	2.1	0.08	1 Up early and sustained
A015558_01	At5g10650	Pspzf zinc finger protein - like; protein id: At5g	0	2.78	2.60	2.5	0.05	1 Up early and sustained

A015629_01	At5g16370	AMP-binding protein; protein id: At5g16370.1	0	1.85	1.38	1.9	0.17	1	Up early and sustained
A015634_01	At5g40780	amino acid permease; protein id: At5g40780.1	0	1.95	1.78	2.2	0.05	1	Up early and sustained
A015776_01	At5g41350	A.t. genomic DNA, chromosome 5, P1 clone:1	0	0.93	1.17	1.3	1.42	1	Up early and sustained
A015866_01	At5g22920	PGPD14 protein; protein id: At5g22920.1	0	1.47	0.93	1.5	0.47	1	Up early and sustained
A015879_01	At5g57340	expressed protein; protein id: At5g57340.1	0	1.72	1.06	1.8	0.17	1	Up early and sustained
A016148_01	At5g49360	xylosidase glycosyl hydrolase family 3; protein	0	2.68	3.28	2.7	0.05	1	Up early and sustained
A016244_01	At5g16120	lipase-like protein; protein id: At5g16120.1	0	1.41	1.31	2.7	0.05	1	Up early and sustained
A016266_01	At5g47050	putative protein; protein id: At5g47050.1	0	1.19	1.62	1.8	0.19	1	Up early and sustained
A016364_01	At5g48180	unknown protein	0	1.97	2.10	1.3	1.42	1	Up early and sustained
A016369_01	At5g49450	bZIP family transcription factor; protein id: At5	0	2.02	2.06	3.5	0.05	1	Up early and sustained
A016407_01	At5g47070	protein serine threonine kinase-like; protein id	0	1.01	0.94	1.5	0.60	1	Up early and sustained
A016411_01	At5g03180	putative protein; protein id: At5g03180.1	0	1.50	1.79	2.2	0.05	1	Up early and sustained
A016446_01	At5g45890	senescence-specific cysteine protease SAG1;	0	2.69	3.71	1.2	2.11	1	Up early and sustained
A016597_01	At5g01800	putative protein; protein id: At5g01800.1	0	1.04	0.80	1.2	2.11	1	Up early and sustained
A016682_01	At5g54660	expressed protein; protein id: At5g54660.1	0	1.42	1.85	1.9	0.17	1	Up early and sustained
A016703_01	At5g02970	putative protein; protein id: At5g02970.1	0	1.13	1.58	2.4	0.05	1	Up early and sustained
A016817_01	At5g60680	putative protein; protein id: At5g60680.1	0	1.60	1.17	2.2	0.05	1	Up early and sustained
A017000_01	At5g66930	putative protein; protein id: At5g66930.1	0	1.09	1.13	2.2	0.05	1	Up early and sustained
A017044_01	At5g64840	ABC transporter family protein; protein id: At5	0	1.47	1.72	1.4	1.11	1	Up early and sustained
A017072_01	At5g16110	putative protein; protein id: At5g16110.1	0	1.84	1.08	1.1	5.44	1	Up early and sustained
A017277_01	At5g17860	potassium-dependent sodium-calcium exchar	0	1.37	1.77	2.0	0.08	1	Up early and sustained
A017284_01	At5g40690	putative protein; protein id: At5g40690.1	0	3.36	2.81	2.0	0.08	1	Up early and sustained
A017387_01	At5g45800	leucine-rich repeat transmembrane protein kir	0	1.52	1.72	2.2	0.05	1	Up early and sustained
A017468_01	At5g25280	serine-rich protein; protein id: At5g25280.1	0	2.35	2.14	2.3	0.05	1	Up early and sustained
A017486_01	At5g59030	copper transport protein; protein id: At5g5903	0	0.92	1.07	1.7	0.36	1	Up early and sustained
A017575_01	At5g01850	protein kinase ATN1-like protein; protein id: A	0	1.08	1.07	1.6	0.36	1	Up early and sustained
A017595_01	At5g01880	putative protein; protein id: At5g01880.1	0	1.52	1.51	2.7	0.05	1	Up early and sustained
A017640_01	At5g57910	putative protein; protein id: At5g57910.1	0	1.65	2.18	2.7	0.05	1	Up early and sustained
A017656_01	At5g45900	AtAPG7; ubiquitin activating enzyme E1-like p	0	1.36	1.45	1.2	2.11	1	Up early and sustained
A017664_01	At5g46760	bHLH protein; protein id: At5g46760.1	0	1.35	1.18	1.4	0.75	1	Up early and sustained
A017758_01	At5g11070	putative protein; protein id: At5g11070.1	0	1.62	1.19	2.0	0.08	1	Up early and sustained
A017783_01	At5g06980	expressed protein; protein id: At5g06980.1	0	1.29	1.58	1.8	0.23	1	Up early and sustained
A017848_01	At5g59960	putative protein; protein id: At5g59960.1	0	1.61	1.38	1.6	0.36	1	Up early and sustained
A017871_01	At5g10830	embryonic abundant protein -like; protein id: A	0	1.35	1.73	1.8	0.19	1	Up early and sustained
A017890_01	At5g23050	acetyl-CoA synthetase-like protein; protein id:	0	1.26	1.23	1.3	1.42	1	Up early and sustained
A017902_01	At5g42050	putative protein; protein id: At5g42050.1	0	0.87	1.19	1.6	0.36	1	Up early and sustained
A017962_01	At5g04720	disease resistance protein (CC-NBS-LRR clas	0	0.88	1.14	1.4	0.75	1	Up early and sustained
A017977_01	At5g01520	putative protein; protein id: At5g01520.1	0	2.58	3.31	5.3	0.05	1	Up early and sustained
A018058_01	At5g66170	senescence-associated protein; protein id: At	0	1.92	1.54	2.5	0.05	1	Up early and sustained
A018066_01	At5g61820	putative protein; protein id: At5g61820.1	0	1.98	2.75	2.8	0.05	1	Up early and sustained
A018070_01	At5g47540	putative protein; protein id: At5g47540.1	0	1.10	1.34	1.7	0.36	1	Up early and sustained
A018110_01	At5g59960	putative protein; protein id: At5g59960.1	0	1.46	1.66	1.9	0.11	1	Up early and sustained
A018147_01	At5g54170	membrane related protein-like; protein id: At5	0	1.41	1.54	2.5	0.05	1	Up early and sustained
A018153_01	At5g21020	putative protein; protein id: At5g21020.1	0	1.37	1.59	2.0	0.08	1	Up early and sustained
A018157_01	At5g62540	ubiquitin-conjugating enzyme E2-17 kd 3ubiqu	0	1.53	1.06	2.1	0.08	1	Up early and sustained

A018159_01	At5g24160	squalene monooxygenase 1,2 (squalene epo	0	2.55	2.92	3.4	0.05	1 Up early and sustained
A018195_01	At5g51970	sorbitol dehydrogenase-like protein; protein id	0	1.11	1.20	1.7	0.23	1 Up early and sustained
A018264_01	At5g05930	expressed protein; protein id: At5g05930.1	0	1.06	1.14	2.4	0.05	1 Up early and sustained
A018267_01	At5g25220	KNAT3 homeodomain protein; protein id: At5g	0	1.03	1.19	1.8	0.17	1 Up early and sustained
A018348_01	At5g56550	putative protein; protein id: At5g56550.1	0	2.37	2.14	2.5	0.05	1 Up early and sustained
A018427_01	At5g59400	putative protein; protein id: At5g59400.2	0	1.06	1.47	1.9	0.08	1 Up early and sustained
A018531_01	At5g59750	GTP cyclohydrolase II / 3,4-dihydroxy-2-butan	0	1.18	1.47	1.5	0.60	1 Up early and sustained
A018637_01	At5g52630	selenium-binding protein-like; protein id: At5g	0	1.32	1.47	2.4	0.05	1 Up early and sustained
A018818_01	At5g41700	E2, ubiquitin-conjugating enzyme 8 (UBC8); p	0	0.77	1.07	1.4	0.75	1 Up early and sustained
A018925_01	At5g46180	ornithine aminotransferase; protein id: At5g46	0	0.84	1.13	1.5	0.60	1 Up early and sustained
A018949_01	At5g22270	putative protein; protein id: At5g22270.1	0	1.73	1.53	2.1	0.05	1 Up early and sustained
A018964_01	At5g56180	putative protein; protein id: At5g56180.1	0	1.01	1.13	1.4	0.75	1 Up early and sustained
A019174_01	At5g54730	putative protein; protein id: At5g54730.1	0	1.89	2.43	2.8	0.05	1 Up early and sustained
A019247_01	At5g06860	polygalacturonase inhibiting protein (PGIP1); p	0	1.53	1.79	2.0	0.08	1 Up early and sustained
A019466_01	At5g54250	cyclic nucleotide-regulated ion channel (CNGC	0	1.40	1.52	1.7	0.23	1 Up early and sustained
A019544_01	At4g25170	putative protein; protein id: At4g25170.1	0	1.76	1.08	1.6	0.36	1 Up early and sustained
A019617_01	At5g04770	amino acid transport - like protein; protein id: /	0	1.05	0.77	1.3	1.42	1 Up early and sustained
A019659_01	At5g51640	putative protein; protein id: At5g51640.1	0	1.13	1.14	1.7	0.23	1 Up early and sustained
A019668_01	At3g19030	expressed protein; protein id: At3g19030.1	0	1.81	2.17	2.8	0.05	1 Up early and sustained
A019724_01	At5g44580	expressed protein; protein id: At5g44580.1	0	1.81	2.30	2.5	0.05	1 Up early and sustained
A019812_01	At3g51860	Ca2+/H+-exchanging protein-like; protein id: /	0	1.90	2.63	2.3	0.05	1 Up early and sustained
A019874_01	At2g01890	putative purple acid phosphatase; protein id: /	0	3.08	3.65	3.2	0.05	1 Up early and sustained
A019954_01	At1g71040	spore coat protein-like protein; protein id: At1g	0	1.45	1.82	3.1	0.05	1 Up early and sustained
A020009_01	At5g07220	putative protein; protein id: At5g07220.1	0	1.23	1.65	1.7	0.27	1 Up early and sustained
A020064_01	At4g24570	mitochondrial carrier protein family; protein id:	0	1.13	1.21	1.6	0.41	1 Up early and sustained
A020102_01	At5g02840	myb family transcription factor; protein id: At5g	0	1.07	1.08	1.9	0.11	1 Up early and sustained
A020109_01	At1g50290	expressed protein; protein id: At1g50290.1	0	1.30	0.86	1.3	1.11	1 Up early and sustained
A020144_01	At1g68440	expressed protein; protein id: At1g68440.1	0	1.49	0.91	1.5	0.75	1 Up early and sustained
A020145_01	xxxx	No hits found	0	1.56	1.22	1.6	0.47	1 Up early and sustained
A020172_01	At2g01450	putative MAP kinase; protein id: At2g01450.1	0	0.94	1.33	2.4	0.05	1 Up early and sustained
A020189_01	At3g16857	ARR1 protein, putative; protein id: At3g16857.	0	1.23	1.44	2.2	0.05	1 Up early and sustained
A020214_01	At3g47960	putative peptide transporter; protein id: At3g47	0	1.07	0.77	1.1	5.44	1 Up early and sustained
A020221_01	At3g10740	glycosyl hydrolase family 51; protein id: At3g1	0	2.17	2.15	2.7	0.05	1 Up early and sustained
A020290_01	At4g17940	putative protein; protein id: At4g17940.1	0	0.89	1.19	1.3	1.42	1 Up early and sustained
A020344_01	At2g29420	glutathione transferase, putative; protein id: At	0	1.27	1.43	1.5	0.47	1 Up early and sustained
A020350_01	At3g15500	putative jasmonic acid regulatory protein; prot	0	2.75	2.98	1.9	0.11	1 Up early and sustained
A020460_01	At4g16670	hypothetical protein; protein id: At4g16670.1	0	1.82	1.40	1.8	0.23	1 Up early and sustained
A020482_01	At2g23810	hypothetical protein; protein id: At2g23810.1	0	1.19	0.98	1.6	0.41	1 Up early and sustained
A020515_01	At5g58350	MAP kinase; protein id: At5g58350.1	0	1.86	2.04	2.2	0.05	1 Up early and sustained
A020530_01	At1g29240	unknown protein; protein id: At1g29240.1	0	1.25	1.75	2.1	0.05	1 Up early and sustained
A020564_01	At1g27290	expressed protein; protein id: At1g27290.1	0	1.21	0.95	1.6	0.41	1 Up early and sustained
A020580_01	At4g34230	cinnamyl alcohol dehydrogenase - like protein	0	2.16	1.77	1.9	0.11	1 Up early and sustained
A020617_01	At1g54100	aldehyde dehydrogenase homolog, putative; p	0	2.07	1.89	2.7	0.05	1 Up early and sustained
A020633_01	At4g36040	DnaJ-like protein; protein id: At4g36040.1	0	1.51	1.69	1.6	0.47	1 Up early and sustained
A020645_01	At2g01490	expressed protein; protein id: At2g01490.1	0	1.35	1.18	1.7	0.27	1 Up early and sustained

A020654_01	At1g49050	expressed protein; protein id: At1g49050.1	0	1.08	1.41	2.0	0.08	1 Up early and sustained
A020686_01	At2g36630	unknown protein; protein id: At2g36630.1	0	1.60	1.03	1.7	0.23	1 Up early and sustained
A020731_01	At2g40000	putative nematode-resistance protein; protein	0	3.31	2.60	1.7	0.23	1 Up early and sustained
A020741_01	At4g26080	protein phosphatase ABI1; protein id: At4g260	0	1.19	1.38	1.8	0.23	1 Up early and sustained
A020748_01	At2g05540	putative glycine-rich protein; protein id: At2g05	0	3.75	2.70	2.7	0.05	1 Up early and sustained
A020751_01	not annotated	Chr1 W/25637330-25637399	0	1.27	1.43	1.6	0.47	1 Up early and sustained
A020795_01	At1g72150	cytosolic factor, putative; protein id: At1g7215	0	1.32	1.65	2.0	0.08	1 Up early and sustained
A020803_01	At4g37520	peroxidase, putative; protein id: At4g37520.1	0	2.11	2.49	3.4	0.05	1 Up early and sustained
A020816_01	At2g22300	ethylene-induced calmodulin-binding protein, p	0	0.87	1.19	1.3	1.42	1 Up early and sustained
A020828_01	At3g19580	zinc finger protein, putative; protein id: At3g19	0	1.75	2.28	2.0	0.08	1 Up early and sustained
A020836_01	At1g05010	1-aminocyclopropane-1-carboxylate oxidase; p	0	1.78	1.79	1.7	0.23	1 Up early and sustained
A020847_01	At1g10070	tat-binding protein, putative; protein id: At1g10	0	3.25	2.18	2.6	0.05	1 Up early and sustained
A020869_01	At5g54080	homogentisate 1,2-dioxygenase; protein id: At	0	2.03	2.18	2.4	0.05	1 Up early and sustained
A020873_01	At3g21670	nitrate transporter; protein id: At3g21670.1	0	1.22	1.01	1.4	0.75	1 Up early and sustained
A020955_01	At2g16700	actin depolymerizing factor 5; protein id: At2g1	0	1.40	1.65	2.0	0.08	1 Up early and sustained
A020958_01	At1g53580	glyoxalase II, putative (hydroxyacylglutathione	0	1.81	1.89	2.3	0.05	1 Up early and sustained
A021035_01	At5g63190	topoisomerase, putative; protein id: At5g6319	0	1.36	1.32	2.2	0.05	1 Up early and sustained
A021065_01	At2g37130	peroxidase, putative (ATP2a); protein id: At2g	0	1.99	1.78	2.4	0.05	1 Up early and sustained
A021067_01	At1g69890	expressed protein; protein id: At1g69890.1	0	2.03	1.47	2.5	0.05	1 Up early and sustained
A021079_01	At1g10150	expressed protein; protein id: At1g10150.1	0	1.17	1.46	1.6	0.36	1 Up early and sustained
A021085_01	At5g26340	hexose transporter - like protein; protein id: At	0	1.53	1.27	1.9	0.11	1 Up early and sustained
A021093_01	At4g20260	endomembrane-associated protein; protein id	0	1.77	1.97	1.6	0.47	1 Up early and sustained
A021130_01	At1g09070	expressed protein; protein id: At1g09070.1	0	1.09	1.13	1.5	0.60	1 Up early and sustained
A021335_01	At4g15700	glutaredoxin homolog; protein id: At4g15700.1	0	1.51	1.84	2.0	0.08	1 Up early and sustained
A021441_01	At5g59840	GTP-binding protein ara-3; protein id: At5g598	0	0.95	1.23	1.8	0.19	1 Up early and sustained
A021628_01	At2g32190	expressed protein; protein id: At2g32190.1	0	1.93	1.36	1.5	0.47	1 Up early and sustained
A021629_01	At2g32210	expressed protein; protein id: At2g32210.1	0	2.26	2.10	2.5	0.05	1 Up early and sustained
A021719_01	At2g01890	putative purple acid phosphatase; protein id: A	0	3.47	4.09	1.3	1.42	1 Up early and sustained
A021759_01	At1g70680	Ca2+-binding EF-hand common family protei	0	3.08	2.74	2.2	0.05	1 Up early and sustained
A021811_01	At1g80920	J8-like protein; protein id: At1g80920.1	0	2.18	2.97	2.9	0.05	1 Up early and sustained
A021814_01	At2g43820	putative glucosyltransferase; protein id: At2g4	0	2.09	2.92	2.9	0.05	1 Up early and sustained
A021851_01	At5g44580	expressed protein; protein id: At5g44580.1	0	1.93	2.41	2.8	0.05	1 Up early and sustained
A021867_01	At2g40110	unknown protein; protein id: At2g40110.1	0	0.88	1.13	1.4	0.75	1 Up early and sustained
A021890_01	At4g11360	RING-H2 finger protein RHA1b; protein id: At4	0	2.29	1.71	2.4	0.05	1 Up early and sustained
A021921_01	At4g38540	monooxygenase 2 (MO2); protein id: At4g385	0	3.08	3.86	1.3	1.11	1 Up early and sustained
A022019_01	At3g48690	putative protein; protein id: At3g48690.1	0	1.08	1.04	2.0	0.08	1 Up early and sustained
A022125_01	At1g13080	cytochrome p450 family; protein id: At1g1308	0	1.01	1.39	2.2	0.05	1 Up early and sustained
A022126_01	At3g23000	SNF1 related protein kinase (ATSRPK1); prot	0	1.66	1.43	1.4	1.11	1 Up early and sustained
A022377_01	At4g19860	putative protein; protein id: At4g19860.1	0	0.94	1.21	1.8	0.19	1 Up early and sustained
A022397_01	At4g21350	putative protein; protein id: At4g21350.1	0	0.76	1.06	1.1	5.44	1 Up early and sustained
A022401_01	At4g23400	water channel - like protein; protein id: At4g23	0	1.71	2.42	2.7	0.05	1 Up early and sustained
A022555_01	At4g02860	putative protein; protein id: At4g02860.1	0	1.11	1.20	1.7	0.27	1 Up early and sustained
A022735_01	At3g31390	hypothetical protein; protein id: At3g31390.1	0	1.88	2.31	1.8	0.19	1 Up early and sustained
A022781_01	At3g17700	cyclic nucleotide-binding transporter 1 (CNBT	0	0.84	1.01	1.2	2.11	1 Up early and sustained
A022927_01	At5g44290	cyclin-dependent protein kinase-like protein; p	0	1.05	1.43	2.1	0.08	1 Up early and sustained

A023119_01	At5g63970	putative protein; protein id: At5g63970.1	0	0.91	1.01	1.3	1.42	1	Up early and sustained
A023329_01	At3g46530	disease resistance protein, RPP13-like (CC-N	0	1.12	1.44	2.7	0.05	1	Up early and sustained
A023353_01	At2g17110	expressed protein; protein id: At2g17110.1	0	1.00	1.35	2.2	0.05	1	Up early and sustained
A023537_01	At2g36800	putative glucosyl transferase; protein id: At2g3	0	2.04	2.73	1.1	5.44	1	Up early and sustained
A023658_01	At2g36080	putative DNA-binding protein RAV2; protein id	0	1.49	0.95	1.9	0.08	1	Up early and sustained
A024219_01	At5g57710	101 kDa heat shock protein; HSP101-like prot	0	1.28	1.07	1.5	0.60	1	Up early and sustained
A024249_01	At2g40140	putative CCCH-type zinc finger protein; protei	0	1.30	1.39	2.0	0.08	1	Up early and sustained
A024298_01	At4g30270	xyloglucan endotransglycosylase (meri5B); pr	0	2.87	3.56	3.2	0.05	1	Up early and sustained
A024299_01	At3g12020	kinesin-related protein; protein id: At3g12020.	0	1.50	2.03	3.1	0.05	1	Up early and sustained
A024349_01	At1g72900	disease resistance protein (TIR-NBS class), p	0	1.92	1.89	1.6	0.47	1	Up early and sustained
A024350_01	At1g62570	flavin-containing monooxygenase, putative; pr	0	1.35	1.37	1.5	0.60	1	Up early and sustained
A024396_01	At1g55960	membrane related protein CP5, putative; prote	0	1.30	1.39	1.8	0.19	1	Up early and sustained
A024399_01	At3g14270	unknown protein; protein id: At3g14270.1	0	1.09	1.09	1.1	5.44	1	Up early and sustained
A024456_01	At1g58032	hypothetical protein; protein id: At1g58032.1	0	1.32	0.84	1.1	5.44	1	Up early and sustained
A024495_01	At2g27500	glycosyl hydrolase family 17; protein id: At2g2	0	2.05	2.55	1.2	2.11	1	Up early and sustained
A024544_01	At5g02260	expansin, putative; protein id: At5g02260.1	0	0.83	1.11	1.5	0.75	1	Up early and sustained
A024559_01	At1g42550	unknown protein; protein id: At1g42550.1	0	1.14	1.39	2.3	0.05	1	Up early and sustained
A024560_01	At5g61600	DNA binding protein - like; protein id: At5g616	0	2.23	2.06	3.2	0.05	1	Up early and sustained
A024578_01	At3g17810	dehydrogenase, putative; protein id: At3g1781	0	1.52	1.71	1.6	0.47	1	Up early and sustained
A024599_01	At2g25080	glutathione peroxidase, putative; protein id: At	0	1.61	1.42	1.7	0.23	1	Up early and sustained
A024636_01	At1g23310	putative alanine aminotransferase; protein id:	0	1.36	1.64	1.7	0.23	1	Up early and sustained
A024642_01	At2g01420	PIN4; putative auxin transport protein; protein	0	1.03	1.17	1.6	0.36	1	Up early and sustained
A024665_01	At5g58800	quinone reductase family; protein id: At5g5880	0	1.08	1.05	1.9	0.11	1	Up early and sustained
A024676_01	At4g04620	AtAPG8b; putative symbiosis-related protein; |	0	1.11	1.43	2.3	0.05	1	Up early and sustained
A025036_01	At3g62740	glycosyl hydrolase family 1; protein id: At3g62	0	1.20	1.34	1.5	0.60	1	Up early and sustained
A025274_01	At3g51430	strictosidine synthase-related; protein id: At3g	0	1.54	1.71	2.2	0.05	1	Up early and sustained
A025403_01	At2g29340	putative tropinone reductase; protein id: At2g2	0	1.12	0.67	1.3	1.42	1	Up early and sustained
A025408_01	At2g22920	putative serine carboxypeptidase I; protein id:	0	1.35	1.89	2.1	0.08	1	Up early and sustained
A025585_01	At1g63370	flavin-binding monooxygenase, putative; prote	0	1.23	1.02	1.6	0.36	1	Up early and sustained
A025644_01	At1g56280	expressed protein; protein id: At1g56280.1	0	1.06	0.76	1.2	2.11	1	Up early and sustained
A025759_01	At2g22980	putative serine carboxypeptidase I; protein id:	0	2.32	1.48	1.4	1.11	1	Up early and sustained
A025777_01	At4g34030	putative protein; protein id: At4g34030.1	0	1.65	1.39	1.6	0.36	1	Up early and sustained
A025798_01	At1g12780	uridine diphosphate glucose epimerase; prote	0	2.43	1.48	2.0	0.08	1	Up early and sustained
A025909_01	At2g26740	epoxide hydrolase (ATsEH); protein id: At2g26	0	0.83	1.08	1.4	1.11	1	Up early and sustained
A025924_01	At4g30470	cinnamoyl-CoA reductase - like protein; protei	0	1.65	1.93	2.2	0.05	1	Up early and sustained
A025944_01	At5g43060	cysteine protease component of protease-inhibi	0	1.28	0.73	1.9	0.11	1	Up early and sustained
A025995_01	At2g01670	expressed protein; protein id: At2g01670.1	0	1.04	0.99	1.7	0.36	1	Up early and sustained
A025997_01	At3g26180	cytochrome p450 family; protein id: At3g26180	0	1.58	1.33	1.3	1.11	1	Up early and sustained
A025998_01	At1g02300	cathepsin B-like cysteine protease, putative; p	0	1.65	1.43	1.5	0.60	1	Up early and sustained
A006359_01	At2g36330	hypothetical protein; protein id: At2g36330.1	0	0.88	1.05	1.4	0.75	1	Up early and sustained
A006584_01	At2g07330	mutator-like transposase; protein id: At2g0733	0	1.07	1.45	1.2	2.11	1	Up early and sustained
A008712_01	At2g31945	expressed protein; protein id: At2g31945.1	0	3.19	2.31	1.9	0.11	1	Up early and sustained
A014327_01	At4g25390	receptor kinase-like protein; protein id: At4g25	0	1.93	2.55	2.4	0.05	1	Up early and sustained
A016963_01	At5g05140	putative protein; protein id: At5g05140.1	0	1.05	0.88	1.6	0.41	1	Up early and sustained
A021199_01	At3g24420	unknown protein; protein id: At3g24420.1	0	1.25	1.75	1.6	0.36	1	Up early and sustained

A006010_01	At2g37130	peroxidase, putative (ATP2a); protein id: At2g	0	3.29	3.32	3.4	0.05	1 Up early and sustained
A007301_01	At2g26670	heme oxygenase 1 (HO1); protein id: At2g266	0	1.51	1.34	1.6	0.41	1 Up early and sustained
A011737_01	At3g57530	calcium-dependent protein kinase; protein id:	0	1.02	1.08	1.6	0.41	1 Up early and sustained
A012405_01	At3g11020	DRE binding protein (DREB2B); protein id: At	0	0.87	1.11	1.6	0.47	1 Up early and sustained
A012825_01	At3g29240	chloroplast lumen common protein family; pro	0	1.52	1.37	2.7	0.05	1 Up early and sustained
A014791_01	At4g27450	unknown protein; protein id: At4g27450	0	2.76	2.98	3.2	0.05	1 Up early and sustained
A014967_01	At4g23900	expressed protein; protein id: At4g23900.1	0	1.77	1.02	1.9	0.11	1 Up early and sustained
A024776_01	At4g15545	expressed protein; protein id: At4g15545.1	0	0.90	1.06	1.5	0.47	1 Up early and sustained
A025167_01	At3g14640	cytochrome P450, putative; protein id: At3g14	0	1.10	1.25	1.3	1.11	1 Up early and sustained
A006161_01	At2g43820	putative glucosyltransferase; protein id: At2g4	0	2.19	2.65	1.2	2.11	1 Up early and sustained
A000063_01	At1g76560	expressed protein; protein id: At1g76560.1	0	0.81	1.27	2.0	0.08	2 Up progressive
A000065_01	At1g68110	expressed protein; protein id: At1g68110.1	0	0.37	1.21	1.4	0.75	2 Up progressive
A000220_01	At1g27000	bZIP family transcription factor; protein id: At1	0	0.46	1.22	1.2	2.11	2 Up progressive
A000489_01	At1g03550	expressed protein; protein id: At1g03550.1	0	0.70	1.85	2.6	0.05	2 Up progressive
A000567_01	At1g22190	AP2 domain transcription factor RAP2, putativ	0	1.28	1.99	2.5	0.05	2 Up progressive
A000582_01	At1g09430	unknown protein; protein id: At1g09430.1	0	0.86	1.68	2.7	0.05	2 Up progressive
A000619_01	At1g64360	expressed protein; protein id: At1g64360.1	0	1.50	5.28	2.3	0.05	2 Up progressive
A000653_01	At1g11530	thioredoxin h, putative; protein id: At1g11530.	0	1.23	1.90	2.6	0.05	2 Up progressive
A000696_01	At1g68830	putative protein kinase; protein id: At1g68830.	0	0.67	2.17	2.9	0.05	2 Up progressive
A000722_01	At1g15415	hypothetical protein; protein id: At1g15415.1	0	0.33	1.07	1.8	0.19	2 Up progressive
A000731_01	At1g21640	expressed protein; protein id: At1g21640.1	0	1.21	2.34	1.2	2.11	2 Up progressive
A001086_01	At1g60940	putative serine/threonine-protein kinase; prote	0	0.41	1.37	2.4	0.05	2 Up progressive
A001142_01	At1g44820	aminoacylase, putative; protein id: At1g44820	0	0.55	1.14	1.6	0.41	2 Up progressive
A001154_01	At1g21780	unknown protein; protein id: At1g21780.1	0	0.78	1.28	2.1	0.08	2 Up progressive
A001188_01	At1g22710	putative sucrose transport protein, SUC2; prot	0	0.51	1.65	2.2	0.05	2 Up progressive
A001199_01	At1g07010	unknown protein; protein id: At1g07010.1	0	0.48	1.11	1.3	1.11	2 Up progressive
A001227_01	At1g78280	unknown protein; protein id: At1g78280.1	0	0.46	1.03	1.5	0.60	2 Up progressive
A001263_01	At1g20380	prolyl endopeptidase, putative; protein id: At1g	0	0.66	1.16	1.1	5.44	2 Up progressive
A001285_01	At1g50020	tubulin alpha-6 chain, putative; protein id: At1g	0	1.01	1.62	2.2	0.05	2 Up progressive
A001299_01	At1g07600	metallothionein-like protein; protein id: At1g07	0	1.07	2.98	2.7	0.05	2 Up progressive
A001308_01	At1g01725	expressed protein; protein id: At1g01725.1	0	0.57	1.05	1.7	0.27	2 Up progressive
A001339_01	At1g02860	expressed protein; protein id: At1g02860.1	0	1.00	2.03	2.7	0.05	2 Up progressive
A001375_01	At1g02790	polygalacturonase, putative; protein id: At1g02	0	0.34	1.03	1.2	2.11	2 Up progressive
A001392_01	At1g19660	expressed protein; protein id: At1g19660.1	0	1.30	2.12	2.9	0.05	2 Up progressive
A001435_01	At1g62510	similar to 14KD proline-rich protein DC2.15 pr	0	0.87	1.86	2.1	0.05	2 Up progressive
A001441_01	At1g50250	chloroplast FtsH protease; protein id: At1g502	0	0.70	1.51	2.4	0.05	2 Up progressive
A001472_01	At1g26920	expressed protein; protein id: At1g26920.1	0	0.94	1.98	2.7	0.05	2 Up progressive
A001671_01	At1g27980	sphingosine-1-phosphate lyase, putative; prot	0	1.68	2.44	2.4	0.05	2 Up progressive
A001697_01	At1g77450	GRAB1-like protein; protein id: At1g77450.1	0	0.90	2.28	2.1	0.05	2 Up progressive
A001773_01	At1g70530	putative protein kinase; protein id: At1g70530.	0	1.14	1.70	3.0	0.05	2 Up progressive
A001801_01	At1g68190	CONSTANS B-box zinc finger family protein; p	0	0.82	1.26	1.9	0.17	2 Up progressive
A001880_01	At1g76600	expressed protein; protein id: At1g76600.1	0	1.04	1.75	1.1	5.44	2 Up progressive
A001917_01	At1g71697	choline kinase, putative; protein id: At1g71697	0	0.72	1.75	2.1	0.05	2 Up progressive
A002009_01	At1g28140	expressed protein; protein id: At1g28140.1	0	0.38	1.02	2.2	0.05	2 Up progressive
A002031_01	At1g30820	CTP synthase-like protein; protein id: At1g308	0	0.70	1.19	1.8	0.19	2 Up progressive

A002050_01	At1g07200	unknown protein; protein id: At1g07200.1	0	0.82	1.47	2.3	0.05	2 Up progressive
A002065_01	At1g72030	unknown protein; protein id: At1g72030.1	0	0.71	1.21	2.1	0.08	2 Up progressive
A002073_01	At1g47128	cysteine proteinase RD21A; protein id: At1g47128.1	0	1.47	2.12	2.0	0.08	2 Up progressive
A002120_01	At1g48300	hypothetical protein; protein id: At1g48300.1	0	1.00	2.13	3.0	0.05	2 Up progressive
A002149_01	At1g04580	putative aldehyde oxidase; protein id: At1g04580.1	0	1.71	3.71	1.6	0.41	2 Up progressive
A002160_01	At1g72830	CCAAT-binding factor B subunit homolog, putative; protein id: At1g72830.1	0	0.61	1.14	1.8	0.19	2 Up progressive
A002220_01	At1g62370	hypothetical protein; protein id: At1g62370.1	0	1.38	1.99	2.2	0.05	2 Up progressive
A002294_01	At1g20470	hypothetical protein; protein id: At1g20470.1	0	0.82	1.68	1.2	2.11	2 Up progressive
A002672_01	At1g20670	hypothetical protein; protein id: At1g20670.1	0	0.31	1.00	1.5	0.60	2 Up progressive
A002702_01	At1g15100	putative RING-H2 zinc finger protein; protein id: At1g15100.1	0	0.77	1.59	1.8	0.17	2 Up progressive
A002762_01	At1g52880	NAM-like protein; protein id: At1g52880.1	0	1.44	3.41	5.0	0.05	2 Up progressive
A002788_01	At1g17550	protein phosphatase 2C, putative; protein id: At1g17550.1	0	0.40	1.35	2.4	0.05	2 Up progressive
A002798_01	At1g53570	MAP3K alpha protein kinase, putative; protein id: At1g53570.1	0	1.27	1.89	2.4	0.05	2 Up progressive
A002818_01	At1g21920	phosphatidylinositol-4-phosphate 5-kinase, putative; protein id: At1g21920.1	0	0.78	2.63	3.5	0.05	2 Up progressive
A002834_01	At1g10500	unknown protein; protein id: At1g10500.1	0	0.89	1.83	3.0	0.05	2 Up progressive
A002854_01	At1g80310	putative sulfate transporter; protein id: At1g80310.1	0	1.15	2.75	4.2	0.05	2 Up progressive
A002898_01	At1g34630	hypothetical protein; protein id: At1g34630.1	0	0.48	1.28	1.6	0.41	2 Up progressive
A002950_01	At1g52590	expressed protein; protein id: At1g52590.1	0	0.69	1.84	3.0	0.05	2 Up progressive
A003004_01	At1g77930	expressed protein; protein id: At1g77930.1	0	0.73	1.62	1.9	0.17	2 Up progressive
A003012_01	At1g71480	unknown protein; protein id: At1g71480.1	0	0.70	1.62	1.4	1.11	2 Up progressive
A003016_01	At1g55000	expressed protein; protein id: At1g55000.1	0	0.74	1.26	1.6	0.36	2 Up progressive
A003082_01	At1g31750	expressed protein; protein id: At1g31750.1	0	0.75	1.92	1.1	5.44	2 Up progressive
A003287_01	At1g56505	hypothetical protein; protein id: At1g56505.1	0	0.59	1.01	1.4	1.11	2 Up progressive
A003431_01	At1g06460	heat shock protein, putative; protein id: At1g06460.1	0	1.03	1.77	1.7	0.23	2 Up progressive
A003434_01	At1g15350	expressed protein; protein id: At1g15350.1	0	0.73	1.74	3.9	0.05	2 Up progressive
A003530_01	At1g64950	cytochrome p450, putative; protein id: At1g64950.1	0	0.45	1.36	1.9	0.11	2 Up progressive
A003533_01	At1g78140	expressed protein; protein id: At1g78140.1	0	0.37	1.04	2.0	0.08	2 Up progressive
A003536_01	At1g35490	bZIP family transcription factor; protein id: At1g35490.1	0	0.52	1.13	1.2	2.11	2 Up progressive
A003537_01	At1g63800	E2, ubiquitin-conjugating enzyme 5 (UBC5); protein id: At1g63800.1	0	1.43	2.19	4.1	0.05	2 Up progressive
A003540_01	At1g14420	pectate lyase, putative; protein id: At1g14420.1	0	0.53	1.53	1.5	0.60	2 Up progressive
A003606_01	At1g70590	expressed protein; protein id: At1g70590.1	0	0.80	1.24	2.1	0.08	2 Up progressive
A003703_01	At1g48320	hypothetical protein; protein id: At1g48320.1	0	1.05	2.09	2.3	0.05	2 Up progressive
A003869_01	At1g09180	putative GTP-binding protein, SAR1B; protein id: At1g09180.1	0	0.54	1.38	1.7	0.27	2 Up progressive
A003872_01	At1g69570	Dof zinc finger protein; protein id: At1g69570.1	0	1.01	1.76	1.5	0.60	2 Up progressive
A003915_01	At1g31170	expressed protein; protein id: At1g31170.1	0	0.51	1.28	1.9	0.11	2 Up progressive
A003933_01	xxxx	b/t hypothetical protein; protein id: At1g11760.1	0	0.56	1.75	1.6	0.36	2 Up progressive
A003960_01	At1g14130	dioxygenase-like protein; protein id: At1g14130.1	0	1.72	2.78	3.2	0.05	2 Up progressive
A003974_01	At1g21790	expressed protein; protein id: At1g21790.1	0	0.71	1.01	1.3	1.42	2 Up progressive
A004165_01	At1g01240	expressed protein; protein id: At1g01240.1	0	1.48	2.30	3.3	0.05	2 Up progressive
A004244_01	At1g71240	hypothetical protein; protein id: At1g71240.1	0	0.88	1.60	2.2	0.05	2 Up progressive
A004305_01	At1g13670	unknown protein; protein id: At1g13670.1	0	0.47	1.65	2.0	0.08	2 Up progressive
A004458_01	At1g52870	expressed protein; protein id: At1g52870.2	0	1.19	2.39	4.4	0.05	2 Up progressive
A004470_01	At1g19720	DYW7 protein; protein id: At1g19720.1	0	0.41	1.11	1.5	0.60	2 Up progressive
A004491_01	At1g36980	expressed protein; protein id: At1g36980.1	0	0.76	1.20	2.2	0.05	2 Up progressive
A004545_01	At1g26670	V-SNARE protein AtVT11b, putative; protein id: At1g26670.1	0	0.90	1.55	2.4	0.05	2 Up progressive

A004587_01	At1g78670	gamma glutamyl hydrolase, putative; protein id:	0	1.95	3.45	5.9	0.05	2 Up progressive
A004588_01	At1g67920	expressed protein; protein id: At1g67920.1	0	1.56	3.48	4.5	0.05	2 Up progressive
A004603_01	At1g79600	expressed protein; protein id: At1g79600.1	0	0.64	1.78	2.7	0.05	2 Up progressive
A004634_01	At1g01720	NAC domain protein, putative; protein id: At1g	0	1.21	2.44	1.8	0.23	2 Up progressive
A004843_01	At1g05805	bHLH protein; protein id: At1g05805.1	0	0.82	1.58	2.1	0.05	2 Up progressive
A004867_01	At1g45150	hypothetical protein; protein id: At1g45150.1	0	0.65	1.23	1.7	0.23	2 Up progressive
A004931_01	At1g21000	expressed protein; protein id: At1g21000.1	0	1.52	3.08	3.1	0.05	2 Up progressive
A004934_01	At1g49670	ARP protein, putative; protein id: At1g49670.1	0	0.61	1.03	1.2	2.11	2 Up progressive
A004941_01	At3g51830	putative transmembrane protein G5p; protein	0	0.58	1.00	1.7	0.23	2 Up progressive
A005042_01	At4g15760	monooxygenase 1 (MO1), putative; protein id:	0	2.52	3.66	1.4	1.11	2 Up progressive
A005048_01	At1g04970	expressed protein; protein id: At1g04970.1	0	0.91	1.39	2.0	0.08	2 Up progressive
A005129_01	At5g24800	bZIP protein, G/HBF-1-related; protein id: At5g	0	0.73	1.11	1.7	0.27	2 Up progressive
A005164_01	At3g44310	nitrilase 1; protein id: At3g44310.1	0	0.57	1.72	2.1	0.05	2 Up progressive
A005220_01	At3g20770	ethylene-insensitive 3 (EIN3); protein id: At3g	0	0.43	1.01	1.1	5.44	2 Up progressive
A005227_01	At5g25270	putative protein; protein id: At5g25270.1	0	0.80	1.18	1.5	0.60	2 Up progressive
A005249_01	At1g20880	RRM-containing protein; protein id: At1g20880	0	0.94	1.52	2.2	0.05	2 Up progressive
A005417_01	not annotated	Chr1 C/20403687-20403756	0	0.72	1.15	2.0	0.08	2 Up progressive
A005620_01	At5g28020	cysteine synthase; protein id: At5g28020.1	0	1.04	1.56	2.3	0.05	2 Up progressive
A005648_01	At2g04160	subtilisin-like serine protease AIR3; protein id:	0	0.82	2.24	1.8	0.17	2 Up progressive
A005695_01	At1g65800	receptor kinase, putative; protein id: At1g6580	0	1.12	2.96	1.7	0.27	2 Up progressive
A005729_01	At2g25625	auxin-regulated protein; protein id: At2g25625	0	2.94	4.20	2.4	0.05	2 Up progressive
A005733_01	At2g46830	myb-related transcription factor (CCA1); prote	0	0.87	2.11	1.9	0.08	2 Up progressive
A005740_01	At1g12730	expressed protein; protein id: At1g12730.1	0	0.89	1.49	2.1	0.08	2 Up progressive
A005839_01	At5g27150	NHE1 Na ⁺ /H ⁺ exchanger; protein id: At5g271	0	0.54	1.35	1.7	0.36	2 Up progressive
A005933_01	At1g50640	ethylene responsive element binding factor 3	0	0.76	1.10	1.6	0.41	2 Up progressive
A005959_01	At5g03240	polyubiquitin (UBQ3); protein id: At5g03240.1	0	0.97	1.50	2.0	0.08	2 Up progressive
A005969_01	At1g61520	light-harvesting chlorophyll a/b binding protein	0	0.83	1.19	1.5	0.47	2 Up progressive
A006030_01	At2g40880	putative cysteine proteinase inhibitor B (cystat	0	1.29	2.67	4.2	0.05	2 Up progressive
A006043_01	At2g31570	glutathione peroxidase, putative; protein id: At	0	0.30	1.01	1.2	2.11	2 Up progressive
A006046_01	At2g43510	putative trypsin inhibitor; protein id: At2g43510	0	1.85	2.77	2.9	0.05	2 Up progressive
A006050_01	At2g39000	unknown protein; protein id: At2g39000.1	0	1.07	1.53	2.4	0.05	2 Up progressive
A006089_01	At2g20920	unknown protein; protein id: At2g20920.1	0	0.87	2.06	4.4	0.05	2 Up progressive
A006105_01	At2g03340	WRKY family transcription factor; protein id: A	0	0.73	1.25	1.2	2.11	2 Up progressive
A006124_01	At2g05620	expressed protein; protein id: At2g05620.1	0	0.74	1.17	2.3	0.05	2 Up progressive
A006175_01	At2g35690	putative acyl-CoA oxidase; protein id: At2g356	0	0.63	1.11	1.6	0.41	2 Up progressive
A006264_01	At2g37460	nodulin-like protein; protein id: At2g37460.1	0	0.94	2.81	3.1	0.05	2 Up progressive
A006269_01	At2g20180	unknown protein; protein id: At2g20180.1	0	0.77	1.27	1.5	0.47	2 Up progressive
A006273_01	At2g01190	expressed protein; protein id: At2g01190.1	0	0.64	1.36	1.9	0.11	2 Up progressive
A006387_01	At2g38640	unknown protein; protein id: At2g38640.1	0	0.74	2.26	3.2	0.05	2 Up progressive
A006389_01	At2g32800	putative protein kinase; protein id: At2g32800.	0	0.95	1.78	1.7	0.23	2 Up progressive
A006567_01	At2g46600	putative caltractin; protein id: At2g46600.1	0	0.63	2.10	2.1	0.08	2 Up progressive
A006596_01	At2g29350	putative tropinone reductase; protein id: At2g	0	1.46	3.14	2.4	0.05	2 Up progressive
A006681_01	At2g28810	Dof zinc finger protein; protein id: At2g28810.	0	0.61	1.21	1.6	0.41	2 Up progressive
A006710_01	At2g38800	calmodulin-binding protein; protein id: At2g38	0	1.00	1.55	1.9	0.08	2 Up progressive
A006733_01	At2g22010	unknown protein; protein id: At2g22010.1	0	0.36	1.06	1.3	1.42	2 Up progressive

A006754_01	At2g27290	expressed protein; protein id: At2g27290.1	0	0.40	1.18	1.7	0.27	2 Up progressive
A006761_01	At2g31880	leucine-rich repeat transmembrane protein kir	0	1.58	2.52	2.5	0.05	2 Up progressive
A006893_01	At2g38170	high affinity Ca ²⁺ antiporter; protein id: At2g38170.1	0	0.87	1.53	2.0	0.08	2 Up progressive
A006944_01	At2g44490	glycosyl hydrolase family 1; protein id: At2g44490.1	0	1.38	2.84	3.3	0.05	2 Up progressive
A006954_01	At2g39340	unknown protein; protein id: At2g39340.1	0	0.65	1.28	2.4	0.05	2 Up progressive
A006975_01	At2g46680	homeodomain transcription factor (ATHB-7); protein id: At2g46680.1	0	2.01	2.86	2.9	0.05	2 Up progressive
A007000_01	At2g02370	expressed protein; protein id: At2g02370.1	0	0.53	1.30	2.0	0.08	2 Up progressive
A007052_01	At2g27090	hypothetical protein; protein id: At2g27090.1	0	0.40	1.05	1.7	0.23	2 Up progressive
A007090_01	At2g02180	expressed protein; protein id: At2g02180.1	0	0.71	1.05	1.9	0.11	2 Up progressive
A007243_01	At2g39360	putative protein kinase; protein id: At2g39360.1	0	0.83	1.88	2.1	0.08	2 Up progressive
A007283_01	At2g24820	putative Rieske iron-sulfur protein; protein id: At2g24820.1	0	0.66	1.16	1.3	1.42	2 Up progressive
A007284_01	At2g19310	putative small heat shock protein; protein id: At2g19310.1	0	0.50	1.44	2.8	0.05	2 Up progressive
A007294_01	At2g28720	putative histone H2B; protein id: At2g28720.1	0	0.90	2.24	2.8	0.05	2 Up progressive
A007351_01	At2g33360	hypothetical protein; protein id: At2g33360.1	0	0.43	1.08	1.6	0.36	2 Up progressive
A007353_01	At2g32870	unknown protein; protein id: At2g32870.1	0	1.91	4.75	1.8	0.19	2 Up progressive
A007361_01	At2g20960	pEARLI 4 protein; protein id: At2g20960.1	0	0.35	1.06	1.9	0.17	2 Up progressive
A007366_01	At2g17760	putative chloroplast nucleoid DNA-binding protein; protein id: At2g17760.1	0	0.59	1.01	1.6	0.47	2 Up progressive
A007429_01	At2g26690	putative nitrate transporter; protein id: At2g26690.1	0	1.64	2.33	2.1	0.08	2 Up progressive
A007433_01	At2g45220	pectinesterase family; protein id: At2g45220.1	0	1.32	2.80	3.6	0.05	2 Up progressive
A007604_01	At2g04795	expressed protein; protein id: At2g04795.1	0	1.36	2.75	1.5	0.60	2 Up progressive
A007727_01	At2g31950	molybdopterin synthase (CNX2); protein id: At2g31950.1	0	0.97	1.47	1.7	0.36	2 Up progressive
A007746_01	At2g40890	cytochrome p450, putative; protein id: At2g40890.1	0	0.52	1.72	2.1	0.08	2 Up progressive
A007753_01	At2g37240	expressed protein; protein id: At2g37240.1	0	0.36	1.15	2.1	0.08	2 Up progressive
A007770_01	At2g39660	putative protein kinase; protein id: At2g39660.1	0	0.44	1.53	2.1	0.08	2 Up progressive
A007781_01	At2g21620	auxin-regulated protein; protein id: At2g21620.1	0	1.46	2.08	3.4	0.05	2 Up progressive
A007786_01	At2g36410	expressed protein; protein id: At2g36410.1	0	0.74	1.17	1.5	0.47	2 Up progressive
A007830_01	At2g29970	expressed protein; protein id: At2g29970.1	0	0.56	1.35	2.5	0.05	2 Up progressive
A007844_01	At2g36320	expressed protein; protein id: At2g36320.1	0	1.50	2.14	3.1	0.05	2 Up progressive
A007859_01	At2g45040	putative metalloproteinase; protein id: At2g45040.1	0	1.91	3.02	1.4	0.75	2 Up progressive
A007860_01	At2g03310	hypothetical protein; protein id: At2g03310.1	0	1.46	2.89	3.8	0.05	2 Up progressive
A007897_01	At2g16790	putative gluconokinase; protein id: At2g16790.1	0	1.01	2.38	1.5	0.47	2 Up progressive
A007973_01	At2g37650	putative scarecrow gene regulator; protein id: At2g37650.1	0	0.76	1.39	1.1	5.44	2 Up progressive
A008004_01	At2g26570	unknown protein; protein id: At2g26570.1	0	0.40	1.13	2.5	0.05	2 Up progressive
A008042_01	At2g03730	putative uridylyl transferase; protein id: At2g03730.1	0	0.78	1.66	3.4	0.05	2 Up progressive
A008068_01	At2g31130	expressed protein; protein id: At2g31130.1	0	0.82	1.43	1.8	0.19	2 Up progressive
A008214_01	At2g07000	unknown protein; protein id: At2g07000.1	0	1.41	2.28	1.3	1.42	2 Up progressive
A008262_01	At2g46100	unknown protein; protein id: At2g46100.1	0	0.77	1.45	2.4	0.05	2 Up progressive
A008330_01	At2g24550	expressed protein; protein id: At2g24550.1	0	1.04	1.97	1.9	0.08	2 Up progressive
A008459_01	At2g45210	putative auxin-regulated protein; protein id: At2g45210.1	0	2.01	3.46	4.3	0.05	2 Up progressive
A008500_01	At2g35940	BEL1-like homeobox 1 protein (BLH1); protein id: At2g35940.1	0	1.22	2.38	3.1	0.05	2 Up progressive
A008520_01	At2g24450	fasciclin-like arabinogalactan-protein, putative	0	0.40	1.23	1.2	2.11	2 Up progressive
A008576_01	At2g46340	putative photomorphogenesis repressor protein; protein id: At2g46340.1	0	0.70	1.20	1.3	1.42	2 Up progressive
A008582_01	At2g36950	expressed protein; protein id: At2g36950.1	0	1.84	2.97	3.1	0.05	2 Up progressive
A008605_01	At2g22990	putative serine carboxypeptidase I; protein id: At2g22990.1	0	2.09	3.15	3.5	0.05	2 Up progressive
A008648_01	At2g43540	expressed protein; protein id: At2g43540.1	0	0.39	1.03	1.3	1.11	2 Up progressive

A008660_01	At2g30250	WRKY family transcription factor; protein id: A	0	1.55	2.61	1.1	5.44	2 Up progressive
A008673_01	At2g30660	3-hydroxyisobutyryl-coenzyme A hydrolase; pr	0	0.72	1.50	2.7	0.05	2 Up progressive
A008807_01	At2g46860	putative inorganic pyrophosphatase; protein ic	0	0.78	1.38	1.9	0.11	2 Up progressive
A008819_01	At2g47050	putative pectinesterase; protein id: At2g47050	0	0.41	1.08	1.3	1.42	2 Up progressive
A008958_01	At3g61180	putative protein; protein id: At3g61180.1	0	0.49	1.06	1.5	0.47	2 Up progressive
A008961_01	At3g02150	expressed protein; protein id: At3g02150.1	0	0.79	1.94	2.6	0.05	2 Up progressive
A009081_01	At3g11380	hypothetical protein; protein id: At3g11380.1	0	0.38	1.09	1.5	0.60	2 Up progressive
A009105_01	At3g09830	putative protein kinase; protein id: At3g09830.	0	1.32	2.05	3.2	0.05	2 Up progressive
A009145_01	At3g16220	hypothetical protein; protein id: At3g16220.1	0	0.71	1.37	1.9	0.11	2 Up progressive
A009187_01	At3g28270	At14a; protein id: At3g28270.1	0	1.95	2.96	2.8	0.05	2 Up progressive
A009221_01	At3g63310	putative protein; protein id: At3g63310.1	0	0.64	1.17	1.6	0.41	2 Up progressive
A009368_01	At3g51420	strictosidine synthase-related; protein id: At3g	0	0.74	1.30	2.2	0.05	2 Up progressive
A009378_01	At3g27820	monodehydroascorbate reductase, putative; p	0	1.02	1.49	2.7	0.05	2 Up progressive
A009506_01	At3g43230	putative protein; protein id: At3g43230.1	0	0.87	1.42	1.6	0.41	2 Up progressive
A009507_01	At3g19553	amino acid permease, putative; protein id: At3	0	1.19	2.23	1.7	0.27	2 Up progressive
A009583_01	At3g47250	putative protein; protein id: At3g47250.1	0	1.24	2.58	3.5	0.05	2 Up progressive
A009665_01	At3g01250	hypothetical protein; protein id: At3g01250.1	0	0.44	1.05	1.4	0.75	2 Up progressive
A009738_01	At3g46930	protein kinase 6-like protein; protein id: At3g4	0	0.76	1.57	1.7	0.36	2 Up progressive
A009740_01	At3g57390	MADS-box protein; protein id: At3g57390.1	0	0.77	1.25	2.0	0.08	2 Up progressive
A009765_01	At3g24190	expressed protein; protein id: At3g24190.1	0	0.57	1.26	2.3	0.05	2 Up progressive
A009803_01	At3g03480	putative hypersensitivity-related gene; protein	0	1.12	1.69	2.0	0.08	2 Up progressive
A009836_01	At3g01970	WRKY family transcription factor; protein id: A	0	1.44	3.20	1.7	0.27	2 Up progressive
A009989_01	At3g02800	unknown protein; protein id: At3g02800.1	0	0.46	1.30	1.6	0.36	2 Up progressive
A010313_01	At3g15351	expressed protein; protein id: At3g15351.1	0	0.72	1.13	1.5	0.60	2 Up progressive
A010348_01	At3g52620	hypothetical protein; protein id: At3g52620.1	0	0.82	1.72	1.7	0.27	2 Up progressive
A010400_01	At3g56310	glycosyl hydrolase family 27 (alpha-galactosid	0	0.73	1.41	2.2	0.05	2 Up progressive
A010518_01	At3g50770	calmodulin-like protein; protein id: At3g50770.	0	1.28	2.40	2.7	0.05	2 Up progressive
A010527_01	At3g56170	putative protein; protein id: At3g56170.1	0	1.17	1.97	2.2	0.05	2 Up progressive
A010535_01	At3g23170	expressed protein; protein id: At3g23170.1	0	0.51	1.02	1.6	0.47	2 Up progressive
A010555_01	At3g03470	cytochrome p450, putative; protein id: At3g03	0	1.80	3.45	4.8	0.05	2 Up progressive
A010619_01	At3g26510	unknown protein; protein id: At3g26510.1	0	1.62	2.74	2.8	0.05	2 Up progressive
A010632_01	At3g09450	hypothetical protein; protein id: At3g09450.1	0	1.61	3.05	1.2	2.11	2 Up progressive
A010648_01	At3g22890	ATP sulfurylase, putative; protein id: At3g228	0	0.63	2.11	1.7	0.23	2 Up progressive
A010677_01	At3g01100	unknown protein; protein id: At3g01100.1	0	0.72	1.44	2.7	0.05	2 Up progressive
A010690_01	At3g04240	putative O-linked GlcNAc transferase; protein	0	0.56	1.04	1.5	0.60	2 Up progressive
A010693_01	At3g44880	lethal leaf-spot 1 homolog Lls1; protein id: At3	0	0.65	1.46	2.4	0.05	2 Up progressive
A010696_01	At3g04520	L-allo-threonine aldolase, putative; protein id:	0	0.66	1.04	1.6	0.47	2 Up progressive
A010704_01	At3g04350	expressed protein; protein id: At3g04350.1	0	0.73	1.33	1.9	0.17	2 Up progressive
A010874_01	At3g10525	expressed protein; protein id: At3g10525.1	0	1.18	1.73	3.0	0.05	2 Up progressive
A010964_01	At3g56290	putative protein; protein id: At3g56290.1	0	0.93	1.84	2.1	0.05	2 Up progressive
A011007_01	At3g11930	ethylene-responsive protein, putative; protein	0	1.45	2.69	2.8	0.05	2 Up progressive
A011019_01	At3g20530	protein kinase, putative; protein id: At3g20530	0	0.41	1.30	1.4	0.75	2 Up progressive
A011029_01	At3g19895	unknown protein; protein id: At3g19895.1	0	0.65	1.65	2.0	0.08	2 Up progressive
A011033_01	At3g15580	AtAPG8i; expressed protein; protein id: At3g1	0	0.83	1.37	2.3	0.05	2 Up progressive
A011090_01	At3g27390	unknown protein; protein id: At3g27390.1	0	0.80	1.34	1.4	1.11	2 Up progressive

A011109_01	At3g28750	unknown protein; protein id: At3g28750.1	0	0.44	1.41	1.4	0.75	2 Up progressive
A011198_01	At3g60140	glycosyl hydrolase family 1, beta-glucosidase;	0	2.44	3.57	1.8	0.19	2 Up progressive
A011285_01	At3g53960	transporter-like protein; protein id: At3g53960.	0	0.89	2.50	1.6	0.41	2 Up progressive
A011311_01	At3g10230	lycopene beta cyclase; protein id: At3g10230.	0	0.56	1.01	1.7	0.27	2 Up progressive
A011407_01	At3g01230	hypothetical protein; protein id: At3g01230.1	0	0.66	1.80	1.6	0.41	2 Up progressive
A011441_01	At3g10250	expressed protein; protein id: At3g10250.1	0	0.77	1.47	1.7	0.36	2 Up progressive
A011550_01	At3g04140	unknown protein; protein id: At3g04140.1	0	0.56	1.89	1.9	0.17	2 Up progressive
A011726_01	At3g15353	expressed protein; protein id: At3g15353.1	0	1.56	3.45	3.0	0.05	2 Up progressive
A011767_01	At3g13550	E2, ubiquitin-conjugating enzyme, putative; pr	0	0.73	1.27	2.4	0.05	2 Up progressive
A011781_01	At3g51920	putative calmodulin; protein id: At3g51920.1	0	1.39	2.68	2.6	0.05	2 Up progressive
A011820_01	At3g56360	putative protein; protein id: At3g56360.1	0	1.39	2.00	2.3	0.05	2 Up progressive
A011862_01	At3g54140	peptide transport - like protein; protein id: At3g	0	1.52	2.34	3.6	0.05	2 Up progressive
A011864_01	At3g54200	putative protein; protein id: At3g54200.1	0	0.49	1.18	1.1	5.44	2 Up progressive
A011875_01	At3g57690	arabinogalactan-protein, putative (AGP23); pr	0	0.40	1.32	1.8	0.19	2 Up progressive
A011887_01	At3g52070	putative protein; protein id: At3g52070.1	0	0.91	1.78	1.2	2.11	2 Up progressive
A011963_01	At3g27960	hypothetical protein; protein id: At3g27960.1	0	0.80	1.41	1.8	0.23	2 Up progressive
A011976_01	At3g10910	putative RING zinc finger protein; protein id: A	0	1.09	2.20	2.5	0.05	2 Up progressive
A012030_01	At3g02480	expressed protein; protein id: At3g02480.1	0	0.62	1.18	1.4	0.75	2 Up progressive
A012085_01	At3g16940	calmodulin-binding protein; protein id: At3g169	0	0.67	1.14	2.2	0.05	2 Up progressive
A012186_01	At3g02130	leucine-rich repeat transmembrane protein kir	0	0.37	1.02	1.2	2.11	2 Up progressive
A012256_01	At3g10320	unknown protein; protein id: At3g10320.1	0	1.88	2.78	2.4	0.05	2 Up progressive
A012275_01	At3g07700	expressed protein; protein id: At3g07700.1	0	1.08	2.22	3.0	0.05	2 Up progressive
A012283_01	At3g22560	hypothetical protein; protein id: At3g22560.1	0	1.16	1.98	2.0	0.08	2 Up progressive
A012360_01	At3g11310	hypothetical protein; protein id: At3g11310.1	0	0.69	1.05	1.8	0.23	2 Up progressive
A012375_01	At3g12680	hypothetical protein; protein id: At3g12680.1	0	0.61	1.01	1.6	0.41	2 Up progressive
A012386_01	At3g57810	auxin-regulated protein; protein id: At3g57810	0	1.29	2.22	1.2	2.11	2 Up progressive
A012442_01	At3g17930	expressed protein; protein id: At3g17930.1	0	0.46	1.31	1.7	0.36	2 Up progressive
A012468_01	At3g53810	serine/threonine-specific kinase like protein; p	0	0.77	1.40	1.6	0.41	2 Up progressive
A012518_01	At3g60570	expansin family; protein id: At3g60570.1	0	0.39	1.20	1.9	0.17	2 Up progressive
A012572_01	At3g06510	glycosyl hydrolase family 1; protein id: At3g06	0	1.04	1.75	2.9	0.05	2 Up progressive
A012579_01	At3g52400	syntaxin SYP122; protein id: At3g52400.1	0	0.91	2.03	1.3	1.42	2 Up progressive
A012651_01	At3g58490	putative protein; protein id: At3g58490.1	0	0.56	1.19	2.1	0.08	2 Up progressive
A012672_01	At3g52800	zinc finger - like protein; protein id: At3g52800	0	1.08	1.77	2.1	0.05	2 Up progressive
A012685_01	At3g50830	putative cold acclimation protein; protein id: At	0	0.71	1.35	2.2	0.05	2 Up progressive
A012722_01	At3g53410	putative protein; protein id: At3g53410.1	0	0.50	1.08	1.7	0.27	2 Up progressive
A012732_01	At3g06810	acetyl-coA dehydrogenase, putative; protein id	0	1.26	1.83	1.7	0.27	2 Up progressive
A012741_01	At3g10500	expressed protein; protein id: At3g10500.1	0	0.92	1.55	2.0	0.08	2 Up progressive
A012749_01	At3g59060	putative protein; protein id: At3g59060.1	0	1.60	2.54	3.3	0.05	2 Up progressive
A012797_01	At3g27110	expressed protein; protein id: At3g27110.1	0	1.08	2.38	3.2	0.05	2 Up progressive
A012835_01	At3g17510	expressed protein; protein id: At3g17510.1	0	0.50	1.07	1.9	0.17	2 Up progressive
A012860_01	At4g37930	glycine hydroxymethyltransferase like protein;	0	0.70	1.44	2.4	0.05	2 Up progressive
A012865_01	At4g19420	pectinacetylerase family; protein id: At4g19	0	2.56	4.42	4.5	0.05	2 Up progressive
A012888_01	At4g15550	glucosyltransferase like protein; protein id: At4	0	0.65	2.11	3.2	0.05	2 Up progressive
A012934_01	At4g08920	Arabidopsis thaliana flavin-type blue-light phot	0	0.96	1.72	2.4	0.05	2 Up progressive
A012940_01	At4g10060	putative protein; protein id: At4g10060.1	0	0.94	2.32	2.3	0.05	2 Up progressive

A012959_01	At4g14710	expressed protein; protein id: At4g14710.1	0	0.56	1.04	1.3	1.11	2 Up progressive
A012966_01	At4g20070	hyuC-like protein; protein id: At4g20070.1	0	0.66	1.99	2.3	0.05	2 Up progressive
A013004_01	At4g18580	expressed protein; protein id: At4g18580.1	0	0.49	1.55	1.9	0.17	2 Up progressive
A013051_01	At4g08850	receptor protein kinase-like protein; protein id:	0	1.16	2.11	1.2	2.11	2 Up progressive
A013063_01	At4g18530	putative protein; protein id: At4g18530.1	0	0.38	1.20	1.9	0.11	2 Up progressive
A013105_01	At4g38260	putative protein; protein id: At4g38260.1	0	0.30	1.02	1.9	0.08	2 Up progressive
A013107_01	At4g12980	putative protein; protein id: At4g12980.1	0	0.47	1.22	1.6	0.41	2 Up progressive
A013142_01	At4g24120	putative protein; protein id: At4g24120.1	0	0.70	1.94	2.3	0.05	2 Up progressive
A013212_01	At4g15490	UDP-glycosyltransferase, putative; protein id:	0	1.84	3.01	1.4	1.11	2 Up progressive
A013249_01	At4g21810	putative protein; protein id: At4g21810.1	0	0.48	1.02	1.6	0.41	2 Up progressive
A013260_01	At4g10330	hypothetical protein; protein id: At4g10330.1	0	0.59	1.18	1.3	1.11	2 Up progressive
A013467_01	At4g03400	putative GH3-like protein; protein id: At4g03400.1	0	0.44	1.27	1.6	0.36	2 Up progressive
A013468_01	At4g03410	hypothetical protein; protein id: At4g03410.1	0	1.16	1.86	2.7	0.05	2 Up progressive
A013470_01	At4g03560	putative calcium channel; protein id: At4g03560.1	0	1.38	2.37	3.5	0.05	2 Up progressive
A013535_01	At4g14020	expressed protein; protein id: At4g14020.1	0	2.17	4.21	2.8	0.05	2 Up progressive
A013559_01	At4g15620	hypothetical protein; protein id: At4g15620.1	0	0.92	2.86	4.2	0.05	2 Up progressive
A013560_01	At4g15630	expressed protein; protein id: At4g15630.1	0	0.96	1.83	2.7	0.05	2 Up progressive
A013586_01	At4g17070	expressed protein; protein id: At4g17070.1	0	0.39	1.35	2.2	0.05	2 Up progressive
A013605_01	At4g28290	putative protein; protein id: At4g28290.1	0	0.95	1.55	2.2	0.05	2 Up progressive
A013657_01	At4g12080	putative DNA-binding protein; protein id: At4g12080.1	0	0.94	1.98	1.4	0.75	2 Up progressive
A013663_01	At4g12070	putative protein; protein id: At4g12070.1	0	0.62	1.57	1.1	5.44	2 Up progressive
A013695_01	At4g03420	hypothetical protein; protein id: At4g03420.1	0	0.59	1.30	2.1	0.08	2 Up progressive
A013717_01	At4g16190	cysteine proteinase; protein id: At4g16190.1	0	1.19	2.17	2.2	0.05	2 Up progressive
A013719_01	At4g15530	pyruvate,orthophosphate dikinase; protein id:	0	1.78	2.76	3.2	0.05	2 Up progressive
A013796_01	At4g00355	expressed protein; protein id: At4g00355.1	0	0.60	1.19	1.7	0.27	2 Up progressive
A013799_01	At4g30993	expressed protein; protein id: At4g30993.1	0	0.75	1.83	2.5	0.05	2 Up progressive
A013875_01	At4g08290	nodulin-like protein; protein id: At4g08290.1	0	1.60	2.29	1.2	5.44	2 Up progressive
A013980_01	At4g35290	putative protein; protein id: At4g35290.1	0	0.41	1.16	2.1	0.08	2 Up progressive
A014046_01	At4g25000	alpha-amylase - like protein; protein id: At4g25000.1	0	1.30	2.04	2.9	0.05	2 Up progressive
A014056_01	At4g30210	NADPH-ferrihemoprotein reductase (ATR2)	0	0.33	1.07	1.7	0.27	2 Up progressive
A014124_01	At4g27800	protein phosphatase homolog (PPH1); protein	0	0.72	1.02	1.3	1.42	2 Up progressive
A014131_01	At4g14040	selenium-binding protein like; protein id: At4g14040.1	0	1.14	2.04	1.6	0.47	2 Up progressive
A014132_01	At4g38225	expressed protein; protein id: At4g38225.1	0	0.49	1.10	1.3	1.11	2 Up progressive
A014168_01	At4g24700	hypothetical protein; protein id: At4g24700.1	0	0.64	1.49	1.9	0.11	2 Up progressive
A014176_01	At4g39100	ES43 like protein; protein id: At4g39100.1	0	0.73	1.10	1.9	0.08	2 Up progressive
A014224_01	At4g09890	putative protein; protein id: At4g09890.1	0	0.71	1.74	1.8	0.17	2 Up progressive
A014274_01	At4g12830	hydrolase-like protein; protein id: At4g12830.1	0	1.39	2.26	3.2	0.05	2 Up progressive
A014304_01	At4g29110	putative protein; protein id: At4g29110.1	0	1.15	2.48	1.5	0.60	2 Up progressive
A014469_01	At4g28490	leucine-rich repeat transmembrane protein kir	0	1.91	2.77	2.4	0.05	2 Up progressive
A014474_01	At4g08500	MEKK1/MAP kinase kinase kinase; protein id:	0	0.57	1.03	1.4	0.75	2 Up progressive
A014571_01	At4g28270	putative protein; protein id: At4g28270.1	0	1.23	2.17	2.4	0.05	2 Up progressive
A014612_01	At4g13010	putative protein; protein id: At4g13010.1	0	0.71	1.28	1.8	0.19	2 Up progressive
A014622_01	At4g27990	A.t. histone deacetylase mRNA, complete cds	0	0.41	1.14	2.0	0.08	2 Up progressive
A014705_01	At4g35750	putative protein; protein id: At4g35750.1	0	1.46	2.63	2.5	0.05	2 Up progressive
A014842_01	At4g26860	putative proline synthetase associated protein	0	0.74	1.19	1.9	0.17	2 Up progressive

A014860_01	At4g29820	mRNA cleavage factor subunit - like protein; p	0	0.72	1.19	1.7	0.27	2 Up progressive
A014927_01	At4g03290	putative calmodulin; protein id: At4g03290.1	0	0.49	1.30	1.2	2.11	2 Up progressive
A014928_01	At4g03320	putative chloroplast protein import component	0	0.97	1.43	1.8	0.19	2 Up progressive
A014929_01	At4g25650	putative protein; protein id: At4g25650.1	0	0.52	1.32	2.4	0.05	2 Up progressive
A014939_01	At4g25900	possible apospory-associated like protein	0	0.57	1.77	3.4	0.05	2 Up progressive
A014955_01	At4g27480	N-acetylglucosaminyltransferase family (Core-	0	0.76	1.44	2.1	0.05	2 Up progressive
A014976_01	At4g08180	putative protein; protein id: At4g08180.1	0	0.61	1.17	1.5	0.60	2 Up progressive
A015013_01	At4g24990	expressed protein; protein id: At4g24990.1	0	0.78	1.68	2.4	0.05	2 Up progressive
A015071_01	At4g25100	iron superoxide dismutase (FSD1); protein id:	0	1.07	2.32	1.5	0.60	2 Up progressive
A015105_01	At4g04955	expressed protein; protein id: At4g04955.1	0	1.22	2.28	2.2	0.05	2 Up progressive
A015134_01	At4g22710	cytochrome p450 family; protein id: At4g22710	0	1.05	2.53	2.7	0.05	2 Up progressive
A015182_01	At4g13830	DnaJ-like protein; protein id: At4g13830.1	0	1.55	2.51	3.6	0.05	2 Up progressive
A015249_01	At4g35060	copper chaperone (CCH)-related; protein id: A	0	1.04	2.29	2.7	0.05	2 Up progressive
A015339_01	At4g00780	coded for by A. thaliana cDNA T20615; protei	0	1.59	3.69	2.9	0.05	2 Up progressive
A015378_01	At4g32190	putative protein; protein id: At4g32190.1	0	0.29	1.01	1.8	0.19	2 Up progressive
A015422_01	At4g36530	putative protein; protein id: At4g36530.1	0	0.37	1.14	1.6	0.41	2 Up progressive
A015439_01	At4g36790	putative protein; protein id: At4g36790.1	0	0.56	1.41	3.0	0.05	2 Up progressive
A015447_01	At4g36930	bHLH protein, SPATULA; protein id: At4g36930	0	0.64	1.82	2.7	0.05	2 Up progressive
A015448_01	At4g18740	hypothetical protein; protein id: At4g18740.1	0	0.75	1.40	1.6	0.47	2 Up progressive
A015498_01	At5g10930	serine/threonine protein kinase -like protein; p	0	1.33	2.89	2.4	0.05	2 Up progressive
A015504_01	At5g11090	putative protein; protein id: At5g11090.1	0	0.69	1.87	1.8	0.19	2 Up progressive
A015508_01	At5g62770	putative protein; protein id: At5g62770.1	0	0.55	1.64	1.4	0.75	2 Up progressive
A015510_01	At5g62750	putative protein; protein id: At5g62750.1	0	0.61	1.93	2.0	0.08	2 Up progressive
A015534_01	At5g45250	disease resistance protein RPS4 (TIR-NBS-LI	0	0.66	1.42	2.0	0.08	2 Up progressive
A015540_01	At5g53730	hairpin-induced protein, putative (HIN1); prote	0	2.03	3.35	3.8	0.05	2 Up progressive
A015595_01	At5g40670	putative protein; protein id: At5g40670.1	0	0.66	1.68	2.9	0.05	2 Up progressive
A015639_01	At5g25130	cytochrome p450 family; protein id: At5g25130	0	1.35	2.17	2.7	0.05	2 Up progressive
A015647_01	At5g10740	protein phosphatase 2C -like protein; protein i	0	0.70	1.24	1.6	0.41	2 Up progressive
A015649_01	At5g07360	putative amidase; protein id: At5g07360.1	0	0.64	1.36	2.2	0.05	2 Up progressive
A015658_01	At5g03190	putative protein; protein id: At5g03190.1	0	0.88	1.57	1.8	0.23	2 Up progressive
A015679_01	At5g39880	putative protein; protein id: At5g39880.1	0	0.40	1.38	1.9	0.11	2 Up progressive
A015723_01	At5g17290	AtAPG5; protein id: At5g17290.1	0	0.78	1.41	2.6	0.05	2 Up progressive
A015883_01	At5g14120	nodulin-like protein; protein id: At5g14120.1	0	1.11	1.98	2.4	0.05	2 Up progressive
A015892_01	At5g58070	outer membrane lipoprotein - like; protein id: A	0	0.61	1.24	2.0	0.08	2 Up progressive
A015963_01	At5g64530	putative protein; protein id: At5g64530.1	0	0.78	1.53	2.2	0.05	2 Up progressive
A015984_01	At5g40450	putative protein; protein id: At5g40450.1	0	1.93	3.11	2.6	0.05	2 Up progressive
A016048_01	At5g63490	putative protein; protein id: At5g63490.1	0	0.88	1.91	3.6	0.05	2 Up progressive
A016051_01	At5g55620	putative protein; protein id: At5g55620.1	0	0.89	2.33	1.4	1.11	2 Up progressive
A016127_01	At5g23750	putative protein; protein id: At5g23750.1	0	0.75	2.04	1.6	0.41	2 Up progressive
A016186_01	At5g22090	unknown protein; protein id: At5g22090.1	0	0.64	1.36	1.7	0.36	2 Up progressive
A016229_01	At5g67030	zeaxanthin epoxidase precursor (LOS6/ABA1	0	0.95	2.06	3.4	0.05	2 Up progressive
A016255_01	At5g54130	putative protein; protein id: At5g54130.1	0	0.57	1.40	1.6	0.36	2 Up progressive
A016278_01	At5g61590	ethylene responsive element binding factor - li	0	1.07	1.93	2.1	0.08	2 Up progressive
A016323_01	At5g15850	zinc finger protein CONSTANS-LIKE 1 (COL1	0	1.18	1.72	2.2	0.05	2 Up progressive
A016368_01	At5g54960	putative pyruvate decarboxylase	0	1.07	1.59	1.2	2.11	2 Up progressive

A016463_01	At5g49480	NaCl-inducible Ca ²⁺ -binding protein-like;almc	0	0.53	1.85	2.0	0.08	2 Up progressive
A016472_01	At5g46260	disease resistance protein (TIR-NBS-LRR cla	0	0.93	2.34	1.2	2.11	2 Up progressive
A016586_01	At5g06370	putative protein; protein id: At5g06370.1	0	0.73	1.62	1.3	1.42	2 Up progressive
A016612_01	At5g01990	putative protein; protein id: At5g01990.1	0	0.54	1.12	1.8	0.19	2 Up progressive
A016618_01	At5g03330	putative protein; protein id: At5g03330.1	0	1.13	1.64	1.9	0.17	2 Up progressive
A016628_01	At5g54840	SGP1 monomeric G-protein (emb|CAB54517.	0	1.23	2.73	1.5	0.75	2 Up progressive
A016644_01	At5g18240	transfactor-like protein; protein id: At5g18240.	0	0.57	1.12	1.6	0.36	2 Up progressive
A016652_01	At5g18130	putative protein; protein id: At5g18130.1	0	1.89	2.88	3.1	0.05	2 Up progressive
A016731_01	At5g35690	putative protein; protein id: At5g35690.1	0	0.45	1.37	2.3	0.05	2 Up progressive
A016738_01	At5g11650	lysophospholipase - like protein; protein id: At!	0	0.96	1.63	2.2	0.05	2 Up progressive
A016830_01	At5g49890	CLC-c chloride channel protein; protein id: At!	0	0.56	1.07	1.1	5.44	2 Up progressive
A016839_01	At5g57520	CCHH finger protein 2-like protein (pir||S5588;	0	0.91	2.25	3.5	0.05	2 Up progressive
A016904_01	At5g11840	putative protein; protein id: At5g11840.1	0	0.94	2.09	3.2	0.05	2 Up progressive
A016943_01	At5g02290	serine/threonine-specific protein kinase NAK;	0	0.50	1.13	1.6	0.41	2 Up progressive
A016955_01	At5g38895	expressed protein; protein id: At5g38895.1	0	0.90	1.65	2.4	0.05	2 Up progressive
A016956_01	At5g45160	GTP-binding protein-like; root hair defective 3	0	0.77	1.25	1.1	5.44	2 Up progressive
A016960_01	At5g02880	putative protein; protein id: At5g02880.1	0	1.11	1.61	1.5	0.75	2 Up progressive
A016969_01	At5g62570	calmodulin-binding protein; protein id: At5g62!	0	0.95	1.57	1.8	0.23	2 Up progressive
A017034_01	At5g02120	one helix protein (OHP); protein id: At5g02120	0	0.33	1.07	1.5	0.47	2 Up progressive
A017069_01	At5g43450	1-aminocyclopropane-1-carboxylate oxidase;|	0	1.88	3.81	1.6	0.41	2 Up progressive
A017073_01	At5g23660	MtN3-like protein; protein id: At5g23660.1	0	1.54	2.77	4.2	0.05	2 Up progressive
A017100_01	At5g04040	expressed protein; protein id: At5g04040.1	0	0.82	1.26	2.3	0.05	2 Up progressive
A017122_01	At5g46790	putative protein; protein id: At5g46790.1	0	0.62	1.78	2.7	0.05	2 Up progressive
A017128_01	At5g51070	ATP-dependent Clp protease ATP-binding sul	0	1.42	2.40	3.0	0.05	2 Up progressive
A017135_01	At5g45880	Ole e l (main olive allergen)-like protein; prote	0	0.49	1.50	1.7	0.36	2 Up progressive
A017340_01	At5g39785	expressed protein; protein id: At5g39785.1	0	0.40	1.20	1.2	5.44	2 Up progressive
A017360_01	At5g47860	putative protein; protein id: At5g47860.1	0	1.36	2.52	3.2	0.05	2 Up progressive
A017378_01	At5g61960	meiosis protein mei2-related; protein id: At5g!	0	0.47	1.00	1.2	2.11	2 Up progressive
A017394_01	At5g65870	putative protein; protein id: At5g65870.1	0	1.04	1.89	1.8	0.23	2 Up progressive
A017434_01	At5g23210	serine carboxypeptidase II-like protein; proteir	0	0.51	1.03	1.5	0.60	2 Up progressive
A017451_01	At5g12000	putative receptor - like kinase; protein id: At5g	0	0.50	1.48	1.6	0.47	2 Up progressive
A017477_01	At5g45350	expressed protein; protein id: At5g45350.1	0	1.18	2.36	2.6	0.05	2 Up progressive
A017652_01	At5g53550	EspB-like protein; protein id: At5g53550.1	0	1.37	2.19	1.2	2.11	2 Up progressive
A017858_01	At5g16630	putative protein; protein id: At5g16630.1	0	0.61	1.36	2.4	0.05	2 Up progressive
A017867_01	At5g05110	putative cysteine proteinase inhibitor	0	1.26	2.26	3.1	0.05	2 Up progressive
A017868_01	At5g56460	protein kinase-like protein; protein id: At5g564	0	1.03	1.70	1.8	0.19	2 Up progressive
A017872_01	At5g50380	putative protein; protein id: At5g50380.1	0	0.50	1.09	1.6	0.47	2 Up progressive
A017925_01	At5g53450	putative protein; protein id: At5g53450.1	0	0.76	1.98	3.1	0.05	2 Up progressive
A017935_01	At5g42310	maize crp1 protein-like; protein id: At5g42310.	0	0.83	1.18	1.8	0.17	2 Up progressive
A017936_01	At5g59220	protein phosphatase 2C (PP2C); protein id: At!	0	0.91	1.38	1.3	1.42	2 Up progressive
A017980_01	At5g50100	putative protein; protein id: At5g50100.1	0	0.75	1.69	2.1	0.08	2 Up progressive
A017993_01	At5g43850	putative protein; protein id: At5g43850.1	0	0.97	1.62	2.5	0.05	2 Up progressive
A018034_01	At5g10030	bZIP transcription factor, OBF4; protein id: At!	0	0.75	2.00	1.2	2.11	2 Up progressive
A018052_01	At5g61210	syntaxin SNAP33; protein id: At5g61210.1	0	0.56	1.07	1.3	1.11	2 Up progressive
A018068_01	At5g65110	acyl-CoA oxidase (gb|AAC13497.1); protein ic	0	0.76	1.24	1.3	1.11	2 Up progressive

A018085_01	At5g04850	expressed protein; protein id: At5g04850.1	0	0.93	1.47	2.3	0.05	2 Up progressive
A018089_01	At5g09660	microbody NAD-dependent malate dehydroge	0	0.85	1.32	1.8	0.19	2 Up progressive
A018103_01	xxxx	b/t hypothetical protein; protein id: At5g24710.	0	0.69	1.11	2.1	0.08	2 Up progressive
A018139_01	At5g13770	putative protein; protein id: At5g13770.1	0	0.90	1.67	3.4	0.05	2 Up progressive
A018156_01	At5g57350	plasma membrane ATPase 3 (proton pump) (	0	0.91	1.84	2.3	0.05	2 Up progressive
A018189_01	At5g04080	putative protein; protein id: At5g04080.1	0	0.87	2.51	1.6	0.41	2 Up progressive
A018206_01	At5g02630	putative protein; protein id: At5g02630.1	0	0.48	1.25	1.2	2.11	2 Up progressive
A018258_01	At5g39080	acyltransferase -like protein; protein id: At5g39	0	0.84	1.42	2.3	0.05	2 Up progressive
A018270_01	At5g24120	sigma-like factor (emb CAA77213.1); protein i	0	1.32	2.69	2.8	0.05	2 Up progressive
A018272_01	At5g40470	putative protein; protein id: At5g40470.1	0	0.48	1.23	1.5	0.60	2 Up progressive
A018280_01	At5g37070	putative protein; protein id: At5g37070.1	0	0.88	1.55	2.3	0.05	2 Up progressive
A018307_01	At5g55850	NOI protein, nitrate-induced; protein id: At5g55	0	0.41	1.09	1.5	0.60	2 Up progressive
A018319_01	At5g41400	RING zinc finger protein-like; protein id: At5g4	0	0.72	1.22	1.2	2.11	2 Up progressive
A018384_01	At5g61560	putative protein; protein id: At5g61560.1	0	0.75	1.09	1.3	1.42	2 Up progressive
A018423_01	At5g58120	disease resistance protein (TIR-NBS-LRR cla	0	1.30	2.13	2.7	0.05	2 Up progressive
A018564_01	At5g04880	unknown protein; protein id: At5g04880.1	0	0.85	1.48	2.3	0.05	2 Up progressive
A018581_01	At5g52450	efflux family protein, putative; protein id: At5g5	0	0.71	1.70	2.7	0.05	2 Up progressive
A018625_01	At5g12400	putative protein; protein id: At5g12400.1	0	1.87	2.74	3.6	0.05	2 Up progressive
A018715_01	At5g10750	putative protein; protein id: At5g10750.1	0	1.22	2.56	3.2	0.05	2 Up progressive
A018753_01	At5g05220	expressed protein; protein id: At5g05220.1	0	0.70	1.28	2.0	0.08	2 Up progressive
A018827_01	At5g54870	putative protein; protein id: At5g54870.1	0	1.12	2.18	2.5	0.05	2 Up progressive
A018841_01	At5g57040	putative protein; protein id: At5g57040.1	0	0.67	1.53	3.3	0.05	2 Up progressive
A018911_01	At5g19140	aluminium-induced protein - like; protein id: At	0	1.27	2.80	3.2	0.05	2 Up progressive
A018937_01	At5g41800	amino acid permease-like protein; proline tran	0	1.15	3.35	1.7	0.23	2 Up progressive
A019000_01	At5g67370	putative protein; protein id: At5g67370.1	0	1.13	1.82	3.6	0.05	2 Up progressive
A019014_01	At5g47560	sodium-dicarboxylate cotransporter-like; prote	0	1.18	2.32	3.1	0.05	2 Up progressive
A019046_01	At5g57630	SNF1 related protein kinase-like protein; prote	0	1.59	2.41	2.6	0.05	2 Up progressive
A019057_01	At5g43260	expressed protein; protein id: At5g43260.1	0	1.48	2.33	3.6	0.05	2 Up progressive
A019213_01	At5g51180	unknown protein	0	0.73	1.48	1.7	0.27	2 Up progressive
A019252_01	At5g11060	homeobox protein knotted-1 like 4 (KNAT4); p	0	1.22	2.09	2.7	0.05	2 Up progressive
A019383_01	At5g14880	putative cation transport protein; protein id: At	0	0.93	1.52	2.6	0.05	2 Up progressive
A019444_01	At3g08690	E2, ubiquitin-conjugating enzyme 11 (UBC11)	0	0.43	1.29	1.6	0.41	2 Up progressive
A019457_01	At2g18170	MAP kinase (ATMPK7); protein id: At2g18170	0	0.60	1.35	2.2	0.05	2 Up progressive
A019515_01	At4g17840	expressed protein; protein id: At4g17840.1	0	1.14	2.11	2.8	0.05	2 Up progressive
A019560_01	At4g26060	putative protein; protein id: At4g26060.1	0	1.05	2.14	1.4	0.75	2 Up progressive
A019572_01	At4g23850	acyl-CoA synthetase - like protein; protein id: ,	0	0.31	1.01	1.4	0.75	2 Up progressive
A019636_01	xxxx	b/t protein phosphatase 2A regulatory subunit	0	0.42	1.30	1.4	1.11	2 Up progressive
A019663_01	At3g23570	expressed protein; protein id: At3g23570.1	0	0.61	1.93	2.1	0.08	2 Up progressive
A019686_01	At5g53030	putative protein; protein id: At5g53030.1	0	0.56	1.81	2.0	0.08	2 Up progressive
A019692_01	At5g63580	flavonol synthase; protein id: At5g63580.1	0	1.20	3.93	1.9	0.11	2 Up progressive
A019698_01	At5g63790	putative protein; protein id: At5g63790.1	0	1.30	2.73	2.7	0.05	2 Up progressive
A019781_01	At2g46830	myb-related transcription factor (CCA1); prote	0	0.54	1.75	1.9	0.17	2 Up progressive
A019831_01	At2g45910	putative protein kinase; protein id: At2g45910.	0	0.51	1.47	1.4	0.75	2 Up progressive
A019892_01	At1g78290	serine-threonine protein kinase, putative; prot	0	1.92	2.81	3.3	0.05	2 Up progressive
A019926_01	At1g77920	bZIP transcription factor, bZIP50; protein id: A	0	1.29	1.88	2.1	0.05	2 Up progressive

A019940_01	At1g06430	FtsH protease, putative; protein id: At1g06430	0	0.93	1.71	2.4	0.05	2 Up progressive
A019958_01	At1g29970	60S ribosomal protein L18A, putative; protein	0	0.73	1.11	2.2	0.05	2 Up progressive
A019985_01	At3g19800	expressed protein; protein id: At3g19800.1	0	0.89	1.38	2.5	0.05	2 Up progressive
A020033_01	At3g21690	integral membrane protein, putative; protein ic	0	0.69	2.30	3.1	0.05	2 Up progressive
A020045_01	At3g26740	light regulated protein, putative; protein id: At3	0	1.61	2.29	3.5	0.05	2 Up progressive
A020053_01	At3g14067	subtilisin-like serine protease, putative; proteir	0	1.24	1.90	1.8	0.19	2 Up progressive
A020055_01	At5g66052	expressed protein; protein id: At5g66052.1	0	0.69	1.00	1.5	0.60	2 Up progressive
A020062_01	At1g54290	protein translation factor Sui1 homolog, putati	0	1.08	2.03	2.8	0.05	2 Up progressive
A020065_01	At5g62680	peptide transporter; protein id: At5g62680.1	0	0.78	1.89	1.7	0.27	2 Up progressive
A020103_01	At3g54600	putative protein; protein id: At3g54600.1	0	0.47	1.45	1.8	0.23	2 Up progressive
A020105_01	At5g04760	l-box binding factor - like protein; protein id: A	0	1.43	2.47	2.7	0.05	2 Up progressive
A020116_01	At5g12170	putative protein; protein id: At5g12170.1	0	0.83	1.60	2.5	0.05	2 Up progressive
A020121_01	At4g31450	putative protein; protein id: At4g31450.1	0	0.60	1.65	2.8	0.05	2 Up progressive
A020126_01	At5g59960	putative protein; protein id: At5g59960.1	0	1.14	1.67	2.0	0.08	2 Up progressive
A020157_01	At5g27600	long-chain-fatty-acid--CoA ligase-like protein;	0	0.74	1.29	1.4	1.11	2 Up progressive
A020160_01	At1g33970	expressed protein; protein id: At1g33970.1	0	0.85	1.69	1.7	0.36	2 Up progressive
A020192_01	At2g27150	aldehyde oxidase; protein id: At2g27150.1	0	1.57	2.49	2.7	0.05	2 Up progressive
A020225_01	At3g62550	putative protein; protein id: At3g62550.1	0	1.55	2.74	3.2	0.05	2 Up progressive
A020241_01	At5g61530	auxin-regulated protein; protein id: At5g61530	0	0.52	1.07	2.0	0.08	2 Up progressive
A020243_01	At1g07230	unknown protein; protein id: At1g07230.1	0	0.36	1.01	2.3	0.05	2 Up progressive
A020289_01	At1g21680	expressed protein; protein id: At1g21680.1	0	1.40	2.09	2.4	0.05	2 Up progressive
A020317_01	At4g27410	putative protein; protein id: At4g27410.2	0	2.20	3.14	2.5	0.05	2 Up progressive
A020342_01	At2g05630	AtAPG8d; putative microtubule-associated pro	0	0.61	1.18	1.8	0.19	2 Up progressive
A020352_01	At4g39090	cysteine proteinase RD19A; protein id: At4g39	0	1.68	2.38	2.6	0.05	2 Up progressive
A020371_01	At1g75100	expressed protein; protein id: At1g75100.1	0	1.00	1.68	1.7	0.36	2 Up progressive
A020419_01	At2g16740	E2, ubiquitin-conjugating enzyme, putative; pr	0	0.69	2.26	3.0	0.05	2 Up progressive
A020420_01	At1g55450	expressed protein; protein id: At1g55450.1	0	0.85	2.35	1.6	0.41	2 Up progressive
A020438_01	At4g37200	thiol-disulfide interchange like protein; protein	0	0.50	1.17	1.8	0.19	2 Up progressive
A020497_01	At2g47910	expressed protein; protein id: At2g47910.1	0	0.53	1.24	2.5	0.05	2 Up progressive
A020509_01	At3g19010	expressed protein; protein id: At3g19010.1	0	0.99	1.62	2.0	0.08	2 Up progressive
A020529_01	At3g11410	hypothetical protein; protein id: At3g11380.1	0	0.95	1.80	2.4	0.05	2 Up progressive
A020551_01	At4g03260	putative protein phosphatase regulatory subur	0	0.42	1.04	1.5	0.60	2 Up progressive
A020588_01	At3g60690	putative protein; protein id: At3g60690.1	0	1.95	2.98	4.1	0.05	2 Up progressive
A020589_01	At5g65210	bZIP transcription factor, TGA1; protein id: Atf	0	2.08	3.29	3.9	0.05	2 Up progressive
A020602_01	At2g39940	coronatine-insensitive 1 (COI1), AtFBL2; prote	0	0.65	1.14	1.9	0.17	2 Up progressive
A020603_01	At5g06530	ABC transporter family protein; protein id: At5g	0	1.14	2.36	1.9	0.11	2 Up progressive
A020605_01	At2g25450	putative dioxygenase; protein id: At2g25450.1	0	2.79	4.15	4.0	0.05	2 Up progressive
A020613_01	At4g13550	putative protein; protein id: At4g13550.1	0	0.64	2.10	4.1	0.05	2 Up progressive
A020708_01	At1g74910	putative GDP-mannose pyrophosphorylase; p	0	0.60	1.04	1.5	0.60	2 Up progressive
A020710_01	At1g71030	myb family transcription factor; protein id: At1g	0	1.45	2.13	4.1	0.05	2 Up progressive
A020756_01	At3g03270	expressed protein; protein id: At3g03270.1	0	0.97	1.52	2.7	0.05	2 Up progressive
A020761_01	At3g30390	expressed protein; protein id: At3g30390.1	0	0.87	1.32	1.5	0.47	2 Up progressive
A020765_01	At2g22690	expressed protein; protein id: At2g22690.1	0	0.61	1.05	1.6	0.36	2 Up progressive
A020771_01	At5g53350	ATP-dependent Clp protease ATP-binding sul	0	0.80	1.20	1.5	0.47	2 Up progressive
A020784_01	At5g57050	protein phosphatase 2C, ABI2; protein id: At5g	0	0.93	1.73	2.4	0.05	2 Up progressive

A020819_01	At3g48000	aldehyde dehydrogenase (NAD+)-like protein;	0	0.63	1.67	3.2	0.05	2 Up progressive
A020827_01	At3g47730	ABC transporter family protein; protein id: At3g	0	0.60	1.42	1.3	1.42	2 Up progressive
A020917_01	At1g75380	wound-responsive protein, putative; protein id	0	1.13	2.70	3.3	0.05	2 Up progressive
A020929_01	At1g01490	expressed protein; protein id: At1g01490.1	0	1.21	2.06	2.7	0.05	2 Up progressive
A020960_01	At5g07470	peptide methionine sulfoxide reductase (msr);	0	0.60	1.37	1.8	0.17	2 Up progressive
A020971_01	At5g42180	peroxidase, putative; protein id: At5g42180.1	0	1.02	2.18	1.2	2.11	2 Up progressive
A020992_01	At4g15545	expressed protein; protein id: At4g15545.1	0	0.92	1.34	1.8	0.19	2 Up progressive
A021058_01	At5g64280	2-oxoglutarate/malate translocator; protein id:	0	0.59	1.64	2.5	0.05	2 Up progressive
A021071_01	At4g37790	homeobox protein HAT22; protein id: At4g377	0	1.16	2.12	2.1	0.08	2 Up progressive
A021086_01	At1g06650	oxidoreductase, putative; protein id: At1g0665	0	0.68	1.42	2.4	0.05	2 Up progressive
A021129_01	At1g59870	A.t. fasciclin-like arabinogalactan-protein 9 (F	0	0.87	2.28	3.4	0.05	2 Up progressive
A021142_01	not annotated	Chr1 W/13147608-13147677 downstream of ,	0	0.58	1.54	1.8	0.19	2 Up progressive
A021147_01	At5g07220	putative protein; protein id: At5g07220.1	0	0.94	1.48	1.5	0.60	2 Up progressive
A021249_01	At1g07610	metallothionein-like protein; protein id: At1g07	0	1.24	3.78	2.9	0.05	2 Up progressive
A021309_01	At4g01060	myb family transcription factor; protein id: At4g	0	1.34	2.82	2.7	0.05	2 Up progressive
A021466_01	At5g38760	pollen coat -like protein; protein id: At5g38760	0	0.69	1.43	1.9	0.17	2 Up progressive
A021520_01	At2g02390	glutathione transferase, putative; protein id: At	0	1.17	1.96	1.9	0.11	2 Up progressive
A021562_01	At1g13990	expressed protein; protein id: At1g13990.1	0	2.00	3.10	3.6	0.05	2 Up progressive
A021589_01	At2g26750	putative epoxide hydrolase; protein id: At2g26	0	0.67	1.16	1.8	0.23	2 Up progressive
A021594_01	At2g29320	putative tropinone reductase; protein id: At2g2	0	0.97	1.83	3.2	0.05	2 Up progressive
A021607_01	At2g24040	unknown protein; protein id: At2g24040.1	0	0.80	1.60	2.0	0.08	2 Up progressive
A021635_01	At2g09970	unknown protein; protein id: At2g09970.1	0	1.15	1.86	1.1	5.44	2 Up progressive
A021670_01	At1g13990	expressed protein; protein id: At1g13990.1	0	2.23	3.25	4.8	0.05	2 Up progressive
A021709_01	At1g49660	unknown protein; protein id: At1g49660.1	0	0.77	2.38	1.6	0.47	2 Up progressive
A021820_01	At3g26280	cytochrome p450 family; protein id: At3g26280	0	1.21	3.53	4.7	0.05	2 Up progressive
A021843_01	At5g65110	acyl-CoA oxidase (gb|AAC13497.1); protein id:	0	0.66	1.16	1.6	0.47	2 Up progressive
A021850_01	At1g69410	eukaryotic initiation factor 5A , putative; protei	0	0.66	1.52	1.5	0.60	2 Up progressive
A021873_01	At5g18630	triacylglycerol lipase-like protein; protein id: At	0	1.37	2.09	3.6	0.05	2 Up progressive
A021874_01	At3g19800	expressed protein; protein id: At3g19800.1	0	1.19	1.95	2.7	0.05	2 Up progressive
A021907_01	At1g72510	arabinogalactan-protein (AGP20); protein id: A	0	0.81	1.43	2.1	0.08	2 Up progressive
A021913_01	xxxx	b/t pseudogene, putative retroelement pol poly	0	1.26	2.64	3.1	0.05	2 Up progressive
A021922_01	At1g10500	unknown protein; protein id: At1g10500.1	0	0.58	1.61	2.5	0.05	2 Up progressive
A021942_01	At1g13990	expressed protein; protein id: At1g13990.1	0	2.10	3.21	3.6	0.05	2 Up progressive
A021993_01	At4g21980	AtAPG8a; symbiosis-related like protein; prote	0	1.16	1.82	2.0	0.08	2 Up progressive
A022015_01	At5g56150	E2, ubiquitin-conjugating enzyme, putative; pr	0	0.47	1.34	1.6	0.36	2 Up progressive
A022029_01	At4g05050	polyubiquitin UBQ11; protein id: At4g05050.1	0	0.84	1.24	1.2	2.11	2 Up progressive
A022077_01	At3g28070	unknown protein; protein id: At3g28070.1	0	0.70	2.23	2.4	0.05	2 Up progressive
A022105_01	At1g49200	RING-H2 finger protein RHA3a, putative; prote	0	1.82	2.80	1.2	2.11	2 Up progressive
A022112_01	At2g39890	proline transporter 1; protein id: At2g39890.1	0	0.71	1.67	1.9	0.17	2 Up progressive
A022120_01	At3g08720	putative ribosomal-protein S6 kinase (ATPK15	0	0.63	1.22	1.3	1.11	2 Up progressive
A022283_01	At4g28370	hypothetical protein; protein id: At4g28370.1	0	0.62	1.34	1.2	2.11	2 Up progressive
A022306_01	At4g32320	ascorbate peroxidase family; protein id: At4g3	0	0.55	1.46	2.7	0.05	2 Up progressive
A022436_01	At4g37560	formamidase - like protein; protein id: At4g375	0	1.33	2.30	2.2	0.05	2 Up progressive
A022543_01	At4g01430	unknown protein; protein id: At4g01430.1	0	0.86	1.76	1.3	1.42	2 Up progressive
A022619_01	At4g16630	DEAD/DEAH box RNA helicase, putative; prof	0	1.26	2.62	1.1	5.44	2 Up progressive

A022624_01	At4g17780	similar to putative myb-related transcription fa	0	0.99	1.92	1.3	1.42	2 Up progressive
A022808_01	At3g28520	hypothetical protein; protein id: At3g28520.1	0	0.77	1.30	2.1	0.05	2 Up progressive
A022948_01	At5g43630	unknown protein; protein id: At5g43630.1	0	0.89	1.67	1.4	1.11	2 Up progressive
A022987_01	At5g38510	putative protein; protein id: At5g38510.1	0	0.60	1.64	3.0	0.05	2 Up progressive
A023159_01	At1g26970	protein kinase, putative; protein id: At1g26970	0	0.85	1.30	1.7	0.36	2 Up progressive
A023228_01	At1g23840	expressed protein; protein id: At1g23840.1	0	0.70	1.56	1.7	0.23	2 Up progressive
A023242_01	At1g54090	hypothetical protein; protein id: At1g54090.1	0	1.15	1.64	1.7	0.27	2 Up progressive
A023252_01	At1g20880	RRM-containing protein; protein id: At1g20880	0	0.60	1.00	1.2	2.11	2 Up progressive
A023259_01	At1g10300	putative GTP-binding protein; protein id: At1g10300	0	0.83	1.61	2.4	0.05	2 Up progressive
A023354_01	At2g23200	putative protein kinase; protein id: At2g23200	0	0.89	2.09	2.5	0.05	2 Up progressive
A023440_01	At2g38410	unknown protein; protein id: At2g38410.1	0	0.56	1.75	3.1	0.05	2 Up progressive
A023491_01	At2g18860	unknown protein; protein id: At2g18860.1	0	0.47	1.17	1.6	0.47	2 Up progressive
A023523_01	At2g31960	callose synthase (1,3-beta-glucan synthase) f	0	0.34	1.03	1.2	2.11	2 Up progressive
A023896_01	At1g64610	hypothetical protein; protein id: At1g64610.1	0	0.75	1.68	1.3	1.42	2 Up progressive
A023943_01	At1g26120	hypothetical protein; protein id: At1g26120.1	0	0.35	1.04	1.5	0.47	2 Up progressive
A024026_01	At1g70580	putative alanine aminotransferase; protein id:	0	0.52	1.53	2.8	0.05	2 Up progressive
A024107_01	At1g23440	hypothetical protein; protein id: At1g23440.1	0	1.01	1.79	2.4	0.05	2 Up progressive
A024182_01	At1g05560	UDP-glucose transferase(UGT1); protein id: A	0	1.82	3.02	2.9	0.05	2 Up progressive
A024195_01	At1g51500	ABC transporter family protein; protein id: At1	0	0.69	1.28	2.3	0.05	2 Up progressive
A024232_01	At1g01780	LIM domain protein, putative; protein id: At1g0	0	0.72	1.13	1.8	0.23	2 Up progressive
A024326_01	At5g56870	glycosyl hydrolase family 35 (beta-galactosida	0	2.78	4.57	5.0	0.05	2 Up progressive
A024331_01	At1g24300	unknown protein; protein id: At1g24300.1	0	0.56	1.01	1.2	2.11	2 Up progressive
A024372_01	At3g27020	expressed protein; protein id: At3g27020.1	0	0.93	1.61	1.9	0.17	2 Up progressive
A024373_01	At3g20083	pseudogene, cytochrome P450; protein id: At3	0	1.56	2.30	2.6	0.05	2 Up progressive
A024421_01	At5g02020	putative protein; protein id: At5g02020.1	0	1.59	2.96	3.2	0.05	2 Up progressive
A024430_01	At3g42640	plasma membrane H ⁺ -ATPase-like protein; p	0	0.36	1.07	1.2	2.11	2 Up progressive
A024435_01	At5g54940	translation initiation factor-like protein; protein	0	1.21	1.84	2.4	0.05	2 Up progressive
A024442_01	At2g24420	expressed protein; protein id: At2g24420.1	0	0.49	1.07	1.7	0.27	2 Up progressive
A024465_01	At3g28050	expressed protein; protein id: At3g28050.1	0	0.70	1.06	1.2	2.11	2 Up progressive
A024481_01	At4g17340	membrane channel like protein; protein id: At4	0	0.61	2.01	2.9	0.05	2 Up progressive
A024484_01	At1g68660	expressed protein; protein id: At1g68660.1	0	0.66	1.50	2.8	0.05	2 Up progressive
A024496_01	At5g13720	unknown protein; protein id: At5g13720.1	0	0.68	1.23	2.6	0.05	2 Up progressive
A024509_01	At4g23430	putative protein; protein id: At4g23430.1	0	0.49	1.61	2.6	0.05	2 Up progressive
A024514_01	At4g35090	catalase 2; protein id: At4g35090.1	0	0.72	1.45	2.1	0.05	2 Up progressive
A024518_01	At2g25070	protein phosphatase 2C (PP2C); protein id: At	0	0.58	1.21	1.8	0.19	2 Up progressive
A024557_01	At1g27730	salt-tolerance zinc finger protein; protein id: At	0	1.27	2.64	1.4	1.11	2 Up progressive
A024580_01	At5g11680	unknown protein	0	0.70	1.08	1.4	0.75	2 Up progressive
A024610_01	At4g19840	lectin like protein; protein id: At4g19840.1	0	1.55	2.53	2.5	0.05	2 Up progressive
A024611_01	At4g31550	putative putative DNA-binding protein	0	0.55	1.10	1.2	5.44	2 Up progressive
A024612_01	At5g53160	putative protein; protein id: At5g53160.1	0	1.00	1.63	1.7	0.23	2 Up progressive
A024622_01	At2g18960	plasma membrane proton ATPase (PMA); p	0	0.61	1.10	1.2	2.11	2 Up progressive
A024661_01	At5g45710	heat shock transcription factor; protein id: At5	0	0.46	1.02	1.5	0.47	2 Up progressive
A024663_01	At1g14370	protein kinase; protein id: At1g14370.1	0	1.63	2.81	3.1	0.05	2 Up progressive
A024664_01	At3g10450	putative glucose acyltransferase; protein id: A	0	1.28	2.47	3.2	0.05	2 Up progressive
A024862_01	At5g09690	putative protein; protein id: At5g09690.1	0	0.51	1.28	2.1	0.08	2 Up progressive

A024890_01	At4g23180	serine/threonine kinase -like protein; protein id:	0	0.69	1.16	1.5	0.47	2	Up progressive
A025060_01	At3g44300	nitrilase 2; protein id: At3g44300.1	0	2.89	4.77	3.4	0.05	2	Up progressive
A025061_01	At3g28100	unknown protein; protein id: At3g28100.1	0	1.58	4.12	4.6	0.05	2	Up progressive
A025092_01	At3g20940	cytochrome P450, putative; protein id: At3g20	0	0.58	1.83	1.3	1.42	2	Up progressive
A025268_01	At1g08930	zinc finger protein ATZF1, putative; protein id:	0	1.04	2.26	2.2	0.05	2	Up progressive
A025372_01	At5g35450	disease resistance protein (CC-NBS-LRR clas	0	1.03	2.00	2.9	0.05	2	Up progressive
A025406_01	At2g32530	putative cellulose synthase; protein id: At2g32	0	1.61	2.62	1.1	5.44	2	Up progressive
A025588_01	At1g28610	lipase, putative; protein id: At1g28610.1	0	0.65	2.28	3.2	0.05	2	Up progressive
A025727_01	At4g37560	formamidase - like protein; protein id: At4g375	0	1.65	2.87	2.0	0.08	2	Up progressive
A025739_01	At1g73310	putative serine carboxypeptidase; protein id: A	0	1.73	2.78	3.4	0.05	2	Up progressive
A025768_01	At2g33590	putative cinnamoyl-CoA reductase; protein id:	0	0.83	1.40	1.9	0.17	2	Up progressive
A025770_01	At3g14690	cytochrome P450, putative; protein id: At3g14	0	0.69	1.47	2.5	0.05	2	Up progressive
A025787_01	At3g05165	expressed protein; protein id: At3g05165.1	0	0.80	2.03	2.4	0.05	2	Up progressive
A025788_01	At3g14415	glycolate oxidase; protein id: At3g14415.1	0	0.86	1.48	2.3	0.05	2	Up progressive
A025922_01	At4g27830	glycosyl hydrolase family 1; protein id: At4g27	0	0.47	1.32	1.9	0.17	2	Up progressive
A025947_01	At1g72900	disease resistance protein (TIR-NBS class), p	0	1.48	2.14	1.9	0.17	2	Up progressive
A025949_01	At3g14420	glycolate oxidase, putative; protein id: At3g14	0	0.72	1.06	1.4	0.75	2	Up progressive
A025961_01	At4g34180	putative protein; protein id: At4g34180.1	0	0.59	1.62	2.7	0.05	2	Up progressive
A026004_01	At5g48620	disease resistance protein (CC-NBS-LRR clas	0	1.03	1.83	2.7	0.05	2	Up progressive
A026082_01	At3g03270	expressed protein; protein id: At3g03270.1	0	0.90	1.61	2.5	0.05	2	Up progressive
A001151_01	At1g29700	expressed protein; protein id: At1g29700.1	0	0.68	1.29	1.9	0.11	2	Up progressive
A001600_01	At1g31940	expressed protein; protein id: At1g31940.1	0	0.38	1.09	1.6	0.41	2	Up progressive
A002404_01	At1g28280	expressed protein; protein id: At1g28280.1	0	0.63	1.32	1.6	0.41	2	Up progressive
A005682_01	At1g53030	cytochrome C oxidase assembly protein, puta	0	0.56	1.31	2.1	0.05	2	Up progressive
A006638_01	At2g31350	glyoxalase II, putative (hydroxyacylglutathione	0	0.73	1.34	2.0	0.08	2	Up progressive
A016921_01	At5g03560	putative protein; protein id: At5g03560.1	0	0.90	1.62	2.8	0.05	2	Up progressive
A017319_01	At5g35970	DNA helicase-like; protein id: At5g35970.1	0	1.09	2.35	2.7	0.05	2	Up progressive
A017696_01	At5g58787	expressed protein; protein id: At5g58787.1	0	0.63	1.71	2.3	0.05	2	Up progressive
A019148_01	At5g15860	carboxylesterase-like protein; protein id: At5g	0	0.93	1.48	2.2	0.05	2	Up progressive
A019961_01	At1g78200	protein phosphatase 2C (PP2C); protein id: At	0	0.45	1.08	1.6	0.41	2	Up progressive
A020698_01	At1g73500	MAP kinase, putative; protein id: At1g73500.1	0	0.50	1.55	2.2	0.05	2	Up progressive
A025631_01	At1g12640	unknown protein; protein id: At1g12640.1	0	0.84	1.52	2.3	0.05	2	Up progressive
A002438_01	At1g75410	BEL1-like homeodomain 3 protein (BLH3); prc	0	1.35	2.07	2.8	0.05	2	Up progressive
A004544_01	At1g78420	expressed protein; protein id: At1g78420.1	0	0.43	1.00	1.8	0.23	2	Up progressive
A006983_01	At2g47720	hypothetical protein; protein id: At2g47720.1	0	0.75	1.59	2.5	0.05	2	Up progressive
A011464_01	At3g10130	unknown protein; protein id: At3g10130.1	0	0.70	1.48	3.2	0.05	2	Up progressive
A017547_01	At5g55970	putative protein; protein id: At5g55970.1	0	1.44	3.39	4.5	0.05	2	Up progressive
A019031_01	At5g64240	expressed protein; protein id: At5g64240.1	0	1.48	3.02	2.5	0.05	2	Up progressive
A019042_01	At5g65910	expressed protein; protein id: At5g65910.1	0	0.79	1.30	2.2	0.05	2	Up progressive
A019792_01	At2g41140	CPDK-related protein kinase; protein id: At2g	0	0.39	1.08	1.4	1.11	2	Up progressive
A024543_01	At3g15840	expressed protein; protein id: At3g15840.1	0	0.98	1.82	2.0	0.08	2	Up progressive
A026032_01	At2g14470	putative helicase; protein id: At2g14470.1	0	0.72	1.31	2.3	0.05	2	Up progressive
A009463_01	At3g52530	putative protein; protein id: At3g52530.1	0	0.84	1.61	1.1	5.44	2	Up progressive
A000319_01	At1g26820	ribonuclease, RNS3; protein id: At1g26820.1	0	2.11	0.23	1.9	0.11	3	Up early and transient
A000851_01	At1g52710	unknown protein; protein id: At1g52710.1	0	1.77	0.25	1.9	0.11	3	Up early and transient

A001155_01	At1g69490	expressed protein; protein id: At1g69490.1	0	2.92	1.40	1.4	0.75	3 Up early and transient
A001212_01	At1g56220	expressed protein; protein id: At1g56220.1	0	1.73	0.83	1.4	0.75	3 Up early and transient
A001247_01	At1g50420	scarecrow-like 3; protein id: At1g50420.1	0	1.36	0.38	1.2	2.11	3 Up early and transient
A001250_01	At1g03090	putative 3-methylcrotonyl-CoA carboxylase; p	0	1.87	0.94	2.3	0.05	3 Up early and transient
A001418_01	At1g75220	integral membrane protein, putative; protein ic	0	1.30	0.31	1.6	0.41	3 Up early and transient
A001619_01	At1g24160	unknown protein; protein id: At1g24160.1	0	1.08	-0.06	1.6	0.47	3 Up early and transient
A001631_01	At1g35910	trehalose-phosphatase, putative; protein id: At	0	2.01	-0.19	1.6	0.47	3 Up early and transient
A002045_01	At1g74670	GAST1-like protein; protein id: At1g74670.1	0	1.67	0.49	1.2	2.11	3 Up early and transient
A002210_01	At1g43670	fructose 1,6-bisphosphatase, putative; protein	0	1.62	0.59	1.4	1.11	3 Up early and transient
A002258_01	At1g14890	expressed protein; protein id: At1g14890.1	0	1.19	0.17	1.9	0.17	3 Up early and transient
A002284_01	At1g17520	myb-related DNA-binding protein, putative; prc	0	1.07	0.42	1.4	1.11	3 Up early and transient
A002308_01	xxxx	b/t At1g48600.1 phosphoethanolamine N-met	0	1.05	0.20	1.4	0.75	3 Up early and transient
A002409_01	At1g16950	hypothetical protein; protein id: At1g16950.1	0	3.16	-0.16	2.0	0.08	3 Up early and transient
A002491_01	At1g11380	expressed protein; protein id: At1g11380.1	0	1.26	0.29	2.0	0.08	3 Up early and transient
A002539_01	At1g32170	xyloglucan endotransglycosylase (XTR4), put	0	1.77	0.69	2.6	0.05	3 Up early and transient
A002643_01	At1g12010	putative amino-cyclopropane-carboxylic acid c	0	3.77	0.22	2.5	0.05	3 Up early and transient
A002651_01	At1g70410	carbonic anhydrase, putative; protein id: At1g	0	1.06	-0.10	1.7	0.27	3 Up early and transient
A002696_01	At1g55510	branched-chain alpha-keto acid decarboxylas	0	1.54	0.54	1.4	1.11	3 Up early and transient
A003567_01	At1g64660	methionine/cystathionine gamma lyase, putati	0	1.47	-0.57	2.1	0.08	3 Up early and transient
A003736_01	At1g68230	unknown protein; protein id: At1g68230.1	0	1.38	-0.37	2.0	0.08	3 Up early and transient
A004431_01	At1g08630	expressed protein; protein id: At1g08630.1	0	1.76	-0.16	2.3	0.05	3 Up early and transient
A004528_01	At1g08570	putative thioredoxin; protein id: At1g08570.1	0	1.35	0.44	1.1	5.44	3 Up early and transient
A004542_01	At1g55810	uracil phosphoribosyltransferase, putative; prc	0	1.49	0.75	1.2	1.42	3 Up early and transient
A004618_01	At1g11260	glucose transporter; protein id: At1g11260.1	0	2.55	1.28	1.6	0.41	3 Up early and transient
A004682_01	At1g09970	leucine-rich repeat transmembrane protein kir	0	1.32	0.42	1.5	0.60	3 Up early and transient
A005155_01	At1g28660	expressed protein; protein id: At1g28660.1	0	3.78	0.93	2.4	0.05	3 Up early and transient
A005246_01	At1g02660	expressed protein; protein id: At1g02660.1	0	2.17	0.88	2.2	0.05	3 Up early and transient
A005727_01	At3g47340	glutamine-dependent asparagine synthetase;	0	3.28	-1.11	2.4	0.05	3 Up early and transient
A005845_01	xxxx	b/t At1g65840 and At1g65850 Chr1 C/240934	0	1.65	0.23	1.3	1.11	3 Up early and transient
A006087_01	At2g20670	expressed protein; protein id: At2g20670.1	0	3.25	1.14	1.5	0.60	3 Up early and transient
A006099_01	At2g35680	expressed protein; protein id: At2g35680.1	0	1.63	0.83	1.3	1.42	3 Up early and transient
A006104_01	At2g05520	putative glycine-rich protein; protein id: At2g05	0	1.96	1.09	1.5	0.47	3 Up early and transient
A006603_01	At2g32440	ent-kaurenoic acid oxidase (cytochrome P450	0	1.66	0.92	1.9	0.11	3 Up early and transient
A006708_01	At2g38820	expressed protein; protein id: At2g38820.1	0	1.13	0.35	1.2	2.11	3 Up early and transient
A006724_01	At2g22680	copia-like retroelement pol polyprotein; proteir	0	1.39	0.33	1.2	2.11	3 Up early and transient
A006935_01	At2g26170	thromboxane-A synthase(cytochrome p450 fa	0	1.27	-0.17	1.5	0.60	3 Up early and transient
A007064_01	At2g38870	putative protease inhibitor; protein id: At2g388	0	1.29	0.03	1.6	0.41	3 Up early and transient
A007073_01	At2g16660	nodulin-like protein; protein id: At2g16660.1	0	1.38	0.67	1.6	0.41	3 Up early and transient
A007291_01	At2g22470	arabinogalactan-protein (AGP2); protein id: At	0	1.07	-0.03	1.3	1.42	3 Up early and transient
A007306_01	At2g05100	light-harvesting chlorophyll a/b binding protein	0	1.13	0.43	1.6	0.47	3 Up early and transient
A007311_01	At2g25900	putative CCCH-type zinc finger protein; protei	0	1.25	-0.31	1.3	1.42	3 Up early and transient
A007325_01	At2g45820	remorin; protein id: At2g45820.1	0	1.64	0.76	1.7	0.27	3 Up early and transient
A007362_01	At2g33830	auxin-regulated protein; protein id: At2g33830	0	3.11	1.54	1.8	0.19	3 Up early and transient
A007656_01	At2g44130	expressed protein; protein id: At2g44130.1	0	2.89	0.69	2.2	0.05	3 Up early and transient
A007768_01	At2g42620	F-box protein ORE9, AtFBL7; protein id: At2g	0	1.25	0.32	1.3	1.42	3 Up early and transient

A007795_01	At2g47270	expressed protein; protein id: At2g47270.1	0	1.76	0.54	1.9	0.17	3 Up early and transient
A007797_01	At2g32150	putative hydrolase; protein id: At2g32150.1	0	3.64	0.10	2.3	0.05	3 Up early and transient
A007993_01	At2g31810	putative acetolactate synthase; protein id: At2g31810.1	0	1.59	0.70	1.4	1.11	3 Up early and transient
A008007_01	At2g14170	putative methylmalonate semi-aldehyde dehydrogenase; protein id: At2g14170.1	0	1.31	0.27	1.2	2.11	3 Up early and transient
A008415_01	At2g18550	homeodomain protein; protein id: At2g18550.1	0	3.08	0.91	2.0	0.08	3 Up early and transient
A008562_01	At2g02990	ribonuclease, RNS1; protein id: At2g02990.1	0	3.56	0.51	2.2	0.05	3 Up early and transient
A008578_01	At2g38400	putative beta-alanine-pyruvate aminotransferase; protein id: At2g38400.1	0	1.90	-0.11	1.7	0.23	3 Up early and transient
A008873_01	At3g04070	NAM-like protein (no apical meristem); protein id: At3g04070.1	0	3.51	1.88	2.0	0.08	3 Up early and transient
A009088_01	At3g04910	putative mitogen activated protein kinase kinase; protein id: At3g04910.1	0	1.49	0.59	1.4	0.75	3 Up early and transient
A009107_01	At3g57520	glycosyl hydrolase family 36; protein id: At3g57520.1	0	1.62	-0.18	1.4	0.75	3 Up early and transient
A009139_01	At3g51600	non-specific lipid transfer protein; protein id: At3g51600.1	0	1.30	-0.08	1.7	0.36	3 Up early and transient
A009165_01	At3g26100	expressed protein; protein id: At3g26100.1	0	1.51	0.45	1.1	5.44	3 Up early and transient
A009328_01	At3g56880	putative protein; protein id: At3g56880.1	0	1.66	0.70	1.4	1.11	3 Up early and transient
A009530_01	At3g21550	expressed protein; protein id: At3g21550.1	0	1.35	0.06	1.7	0.27	3 Up early and transient
A009890_01	At3g30775	hypothetical protein; protein id: At3g30775.1	0	1.32	-0.38	1.8	0.17	3 Up early and transient
A010065_01	At3g14610	cytochrome P450, putative; protein id: At3g14610.1	0	1.26	-0.17	1.8	0.19	3 Up early and transient
A010579_01	At3g54880	putative protein; protein id: At3g54880.1	0	1.26	0.34	1.6	0.41	3 Up early and transient
A010863_01	At3g21420	expressed protein; protein id: At3g21420.1	0	1.33	0.37	1.2	2.11	3 Up early and transient
A011193_01	At3g22060	receptor kinase common family, putative; protein id: At3g22060.1	0	2.22	0.65	2.2	0.05	3 Up early and transient
A011505_01	At3g52840	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At3g52840.1	0	1.16	0.08	2.1	0.08	3 Up early and transient
A011810_01	At3g04720	hevein-like protein precursor (PR-4); protein id: At3g04720.1	0	2.52	1.26	2.0	0.08	3 Up early and transient
A012155_01	At3g03990	expressed protein; protein id: At3g03990.1	0	1.15	0.56	1.1	5.44	3 Up early and transient
A012396_01	At3g57960	hypothetical protein; protein id: At3g57960.1	0	1.15	0.22	1.1	5.44	3 Up early and transient
A012880_01	At4g11650	osmotin precursor; protein id: At4g11650.1	0	2.24	0.62	1.4	1.11	3 Up early and transient
A013034_01	At4g10910	expressed protein; protein id: At4g10910.1	0	2.43	0.54	2.4	0.05	3 Up early and transient
A013417_01	At4g32480	putative protein; protein id: At4g32480.1	0	1.80	-0.83	1.7	0.36	3 Up early and transient
A013429_01	At4g01330	putative protein kinase; protein id: At4g01330.1	0	1.51	-0.06	1.6	0.36	3 Up early and transient
A013537_01	At4g14270	expressed protein; protein id: At4g14270.1	0	1.78	0.75	1.9	0.08	3 Up early and transient
A013659_01	At4g10610	RNA-binding protein RBP37; protein id: At4g10610.1	0	1.08	-0.11	1.4	0.75	3 Up early and transient
A013676_01	At4g35690	putative protein; protein id: At4g35690.1	0	3.33	0.55	2.4	0.05	3 Up early and transient
A013995_01	At4g24230	putative protein; protein id: At4g24230.1	0	1.97	0.31	2.2	0.05	3 Up early and transient
A014115_01	At4g28040	Medicago nodulin N21-like protein; protein id: At4g28040.1	0	2.70	1.14	1.7	0.23	3 Up early and transient
A014186_01	At4g36730	G-box-binding factor 1; protein id: At4g36730.1	0	1.45	0.17	1.4	0.75	3 Up early and transient
A014526_01	At4g14930	expressed protein; protein id: At4g14930.1	0	2.68	0.34	1.8	0.23	3 Up early and transient
A014688_01	At4g37610	putative protein; protein id: At4g37610.1	0	2.61	0.62	1.6	0.41	3 Up early and transient
A014801_01	At4g25620	unknown protein; protein id: At4g25620.1	0	1.05	-0.19	1.4	1.11	3 Up early and transient
A014802_01	At4g24660	putative protein; protein id: At4g24660.1	0	1.01	0.39	1.5	0.60	3 Up early and transient
A014867_01	At4g36740	homeodomain protein; protein id: At4g36740.1	0	2.89	-0.19	2.0	0.08	3 Up early and transient
A015062_01	At4g38470	protein kinase like protein; protein id: At4g38470.1	0	1.80	0.56	1.4	0.75	3 Up early and transient
A015331_01	At4g24040	glycosyl hydrolase family 37 (trehalase); protein id: At4g24040.1	0	1.42	-0.04	2.0	0.08	3 Up early and transient
A015465_01	At4g37260	myb DNA-binding protein (AtMYB73); protein id: At4g37260.1	0	1.13	-0.53	2.5	0.05	3 Up early and transient
A016034_01	At5g50260	AtCEP1; cysteine proteinase; protein id: At5g50260.1	0	3.55	1.36	1.9	0.11	3 Up early and transient
A016209_01	At5g64260	phi-1-like protein; protein id: At5g64260.1	0	1.21	0.12	1.8	0.19	3 Up early and transient
A016319_01	At5g44610	expressed protein	0	2.41	1.22	2.3	0.05	3 Up early and transient
A016324_01	At5g39610	NAM / CUC2 - like protein; protein id: At5g39610.1	0	2.57	1.43	1.7	0.27	3 Up early and transient

A016359_01	At5g09440	putative protein; protein id: At5g09440.1	0	2.02	0.95	1.7	0.36	3 Up early and transient
A016924_01	At5g42200	putative protein; protein id: At5g42200.1	0	1.67	0.55	1.5	0.47	3 Up early and transient
A017311_01	At5g13330	putative protein; protein id: At5g13330.1	0	1.54	0.65	1.6	0.36	3 Up early and transient
A017692_01	At5g64930	CPR5 protein, putative; protein id: At5g64930.	0	1.08	0.58	1.6	0.41	3 Up early and transient
A018019_01	At5g14740	carbonic anhydrase 2; protein id: At5g14740.1	0	2.55	-0.06	1.8	0.19	3 Up early and transient
A018041_01	At5g19120	conglutin gamma - like protein; protein id: At5g19120.1	0	1.40	-0.31	1.2	2.11	3 Up early and transient
A018240_01	At5g12010	putative protein; protein id: At5g12010.1	0	1.48	0.72	1.2	2.11	3 Up early and transient
A018308_01	At5g16360	putative protein; protein id: At5g16360.1	0	1.42	0.34	1.2	5.44	3 Up early and transient
A018673_01	At5g01920	putative protein; protein id: At5g01920.1	0	2.36	0.65	2.5	0.05	3 Up early and transient
A018934_01	At5g58410	unknown protein; protein id: At5g58410.1	0	1.95	0.46	2.6	0.05	3 Up early and transient
A018974_01	At5g23340	putative protein; protein id: At5g23340.1	0	1.13	0.29	1.3	1.42	3 Up early and transient
A018991_01	At5g21940	unknown protein; protein id: At5g21940.1	0	1.79	0.79	1.3	1.42	3 Up early and transient
A019281_01	At5g14420	putative protein; protein id: At5g14420.1	0	1.17	0.45	1.4	1.11	3 Up early and transient
A019587_01	At4g09030	arabinogalactan-protein (AGP10); protein id: At4g09030.1	0	1.24	-0.33	1.5	0.47	3 Up early and transient
A019608_01	At3g45970	putative protein; protein id: At3g45970.1	0	1.60	-0.65	2.5	0.05	3 Up early and transient
A019611_01	At5g02230	putative protein; protein id: At5g02230.1	0	1.88	0.26	1.5	0.60	3 Up early and transient
A019725_01	At5g54510	auxin-responsive-like protein; protein id: At5g54510.1	0	1.08	0.06	1.8	0.17	3 Up early and transient
A019895_01	At1g44800	nodulin protein, putative; protein id: At1g44800.1	0	1.89	0.86	1.2	2.11	3 Up early and transient
A019941_01	At1g60010	expressed protein; protein id: At1g60010.1	0	1.04	0.24	1.5	0.60	3 Up early and transient
A020070_01	At1g22740	ras-related GTP-binding protein (Rab7); protein id: At1g22740.1	0	1.54	0.07	1.5	0.47	3 Up early and transient
A020076_01	At3g13450	branched chain alpha-keto acid dehydrogenase; protein id: At3g13450.1	0	1.47	0.43	1.6	0.36	3 Up early and transient
A020242_01	At4g36850	putative protein; protein id: At4g36850.1	0	2.02	-0.63	1.3	1.42	3 Up early and transient
A020343_01	At3g21870	PREG-like protein, putative; protein id: At3g21870.1	0	1.43	0.29	2.2	0.05	3 Up early and transient
A020400_01	At3g15630	expressed protein; protein id: At3g15630.1	0	1.97	0.48	1.9	0.11	3 Up early and transient
A020560_01	At3g47340	glutamine-dependent asparagine synthetase; protein id: At3g47340.1	0	3.09	-0.57	2.4	0.05	3 Up early and transient
A020565_01	At3g10980	unknown protein; protein id: At3g10980.1	0	1.04	0.23	1.2	2.11	3 Up early and transient
A020656_01	At3g29810	phytochelatin synthetase-like protein; protein id: At3g29810.1	0	1.20	0.20	1.4	1.11	3 Up early and transient
A020777_01	At2g44500	similar to axi 1 protein from Nicotiana tabacum; protein id: At2g44500.1	0	2.27	1.00	2.7	0.05	3 Up early and transient
A020868_01	At3g10020	expressed protein; protein id: At3g10020.1	0	1.51	0.31	1.6	0.41	3 Up early and transient
A021133_01	At1g11190	bifunctional nuclease bfn1; protein id: At1g11190.1	0	2.90	1.06	2.2	0.05	3 Up early and transient
A021760_01	At1g70670	Ca2+-binding EF-hand common family protein; protein id: At1g70670.1	0	1.58	0.83	1.4	1.11	3 Up early and transient
A021882_01	At5g14180	putative protein; protein id: At5g14180.1	0	2.17	0.60	1.5	0.60	3 Up early and transient
A021937_01	At1g14870	unknown protein; protein id: At1g14870.1	0	1.74	0.04	1.8	0.19	3 Up early and transient
A021968_01	At3g53990	expressed protein; protein id: At3g53990.1	0	1.19	0.48	1.8	0.19	3 Up early and transient
A021978_01	At1g08630	expressed protein; protein id: At1g08630.1	0	1.76	-0.40	2.3	0.05	3 Up early and transient
A022000_01	At5g56540	arabinogalactan-protein (AGP14); protein id: At5g56540.1	0	2.33	0.12	1.8	0.23	3 Up early and transient
A022381_01	At4g27260	GH3 like protein; protein id: At4g27260.1	0	2.11	0.77	2.3	0.05	3 Up early and transient
A023623_01	At2g31560	unknown protein; protein id: At2g31560.1	0	1.36	0.69	1.2	2.11	3 Up early and transient
A023904_01	At1g49130	CONSTANS B-box zinc finger family protein; protein id: At1g49130.1	0	1.03	-0.18	1.4	1.11	3 Up early and transient
A024259_01	At3g48340	AtCEP2; cysteine proteinase; protein id: At3g48340.1	0	3.46	0.67	2.4	0.05	3 Up early and transient
A024360_01	At1g15380	expressed protein; protein id: At1g15380.1	0	2.02	0.57	1.4	0.75	3 Up early and transient
A024501_01	At4g32060	putative protein; protein id: At4g32060.1	0	1.37	0.20	1.1	5.44	3 Up early and transient
A024513_01	At4g37550	formamidase - like protein; protein id: At4g37550.1	0	1.05	0.26	1.7	0.23	3 Up early and transient
A024522_01	At3g09390	metallothionein-like protein; protein id: At3g09390.1	0	1.08	0.31	1.2	5.44	3 Up early and transient
A024527_01	At1g75750	expressed protein; protein id: At1g75750.1	0	2.74	0.38	2.4	0.05	3 Up early and transient

A024538_01	At3g06850	branched chain alpha-keto acid dehydrogenas	0	1.41	0.39	1.7	0.27	3 Up early and transient
A024588_01	At4g37300	putative protein; protein id: At4g37300.1	0	1.33	-0.11	1.5	0.60	3 Up early and transient
A025101_01	At5g16340	AMP-binding protein; protein id: At5g16340.1	0	1.03	0.41	1.4	0.75	3 Up early and transient
A025769_01	At4g34030	putative protein; protein id: At4g34030.1	0	1.83	0.82	1.2	2.11	3 Up early and transient
A025847_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g0	0	1.58	0.05	1.4	0.75	3 Up early and transient
A026002_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g0	0	1.63	0.01	1.6	0.36	3 Up early and transient
A006661_01	At2g16890	putative glucosyltransferase; protein id: At2g1	0	1.00	0.46	1.3	1.11	3 Up early and transient
A007065_01	At2g38910	putative calcium-dependent protein kinase; pr	0	1.45	0.28	1.5	0.60	3 Up early and transient
A007160_01	At2g35770	putative serine carboxypeptidase II; protein id:	0	1.27	0.11	1.4	0.75	3 Up early and transient
A007579_01	At2g28550	AP2 domain protein RAP2.7; protein id: At2g2	0	1.05	0.53	1.1	5.44	3 Up early and transient
A000022_01	At1g12140	hypothetical protein; protein id: At1g12140.1	0	0.05	1.16	2.1	0.08	4 Up late
A000187_01	At1g10080	hypothetical protein; protein id: At1g10080.1	0	-0.06	1.78	1.2	2.11	4 Up late
A000297_01	At1g69720	putative heme oxygenase; protein id: At1g697	0	0.24	1.10	1.3	1.42	4 Up late
A000325_01	At1g20070	hypothetical protein; protein id: At1g20070.1	0	0.41	1.47	2.5	0.05	4 Up late
A000525_01	At1g03050	putative protein destination factor; protein id: /	0	-0.09	1.03	1.4	0.75	4 Up late
A000592_01	At1g51340	expressed protein; protein id: At1g51340.1	0	0.23	1.82	2.5	0.05	4 Up late
A000755_01	At1g24520	putative agp1; protein id: At1g24520.1	0	0.34	1.28	1.6	0.36	4 Up late
A000880_01	At1g25480	hypothetical protein; protein id: At1g25480.1	0	0.46	1.80	1.1	5.44	4 Up late
A001115_01	At1g32100	pinorexinol-lariciresinol reductase, putative; pr	0	0.05	1.93	2.0	0.08	4 Up late
A001216_01	At1g74020	strictosidine synthase family; protein id: At1g7	0	0.83	3.03	3.6	0.05	4 Up late
A001219_01	At1g32160	expressed protein; protein id: At1g32160.1	0	0.14	1.09	1.7	0.23	4 Up late
A001261_01	At1g36370	putative hydroxymethyltransferase; protein id:	0	0.02	1.41	1.2	5.44	4 Up late
A001477_01	At1g14380	expressed protein; protein id: At1g14380.1	0	-0.12	1.01	1.5	0.60	4 Up late
A001481_01	At1g19740	unknown protein; protein id: At1g19740.1	0	0.18	1.03	2.2	0.05	4 Up late
A001612_01	At1g25530	lysine and histidine specific transporter, putati	0	-0.86	1.51	3.2	0.05	4 Up late
A001770_01	At1g08810	myb family transcription factor; protein id: At1g	0	0.09	1.18	1.6	0.47	4 Up late
A001789_01	At1g77320	hypothetical protein; protein id: At1g77320.1	0	-0.36	1.30	1.8	0.19	4 Up late
A001790_01	At1g64970	gamma-tocopherol methyltransferase; protein	0	-0.13	1.37	1.7	0.27	4 Up late
A002013_01	At1g10470	putative response regulator 3; protein id: At1g	0	0.22	1.35	2.7	0.05	4 Up late
A002035_01	At1g49970	ATP-dependent Clp protease proteolytic subu	0	0.11	1.10	1.9	0.08	4 Up late
A002054_01	At1g22750	expressed protein; protein id: At1g22750.1	0	0.37	1.34	1.9	0.08	4 Up late
A002184_01	At1g18880	peptide transporter, putative; protein id: At1g1	0	0.29	2.60	1.4	0.75	4 Up late
A002224_01	At1g78460	hypothetical protein; protein id: At1g78460.1	0	0.25	1.39	1.6	0.41	4 Up late
A002235_01	At1g62990	homeodomain-containing protein HD1, putativ	0	-0.01	1.69	1.8	0.23	4 Up late
A002267_01	At1g55910	expressed protein; protein id: At1g55910.1	0	-0.34	1.11	1.7	0.23	4 Up late
A002349_01	At1g22050	expressed protein; protein id: At1g22050.1	0	0.12	1.71	2.6	0.05	4 Up late
A002376_01	At1g17780	unknown protein; protein id: At1g17780.1	0	0.45	1.67	1.3	1.42	4 Up late
A002408_01	At1g16960	hypothetical protein; protein id: At1g16960.1	0	0.48	1.98	3.0	0.05	4 Up late
A002580_01	At1g22480	uclacyanin II, putative; protein id: At1g22480.1	0	-0.30	2.30	2.9	0.05	4 Up late
A002793_01	At1g54070	unknown protein; protein id: At1g54070.1	0	0.28	1.36	1.6	0.36	4 Up late
A002922_01	At1g80830	metal ion transporter; protein id: At1g80830.1	0	0.36	1.84	2.5	0.05	4 Up late
A003018_01	At1g70810	expressed protein; protein id: At1g70810.1	0	0.82	3.24	2.0	0.08	4 Up late
A003141_01	At1g21065	expressed protein; protein id: At1g21065.1	0	0.53	1.91	3.0	0.05	4 Up late
A003242_01	At1g80300	adenine nucleotide translocase; protein id: At1	0	-0.29	1.27	2.0	0.08	4 Up late
A003497_01	At1g22140	expressed protein; protein id: At1g22140.1	0	0.25	1.10	2.2	0.05	4 Up late

A003503_01	At1g22070	bZIP transcription factor, TGA3; protein id: At1g22070.1	0	0.14	1.12	1.9	0.11	4 Up late
A003528_01	At1g76520	expressed protein; protein id: At1g76520.1	0	0.34	1.22	2.2	0.05	4 Up late
A003576_01	At1g04770	hypothetical protein; protein id: At1g04770.1	0	-0.48	1.71	1.9	0.17	4 Up late
A003691_01	At1g10900	phosphatidylinositol-4-phosphate 5-kinase isoform 1; protein id: At1g10900.1	0	-0.31	1.43	2.4	0.05	4 Up late
A003720_01	At1g72430	expressed protein; protein id: At1g72430.1	0	0.44	1.56	2.7	0.05	4 Up late
A003750_01	At1g47270	F-box containing tubby family protein; protein id: At1g47270.1	0	-0.10	1.02	1.7	0.27	4 Up late
A003804_01	At1g15960	metal ion transporter, putative; protein id: At1g15960.1	0	0.21	1.33	1.2	2.11	4 Up late
A003959_01	At1g13970	hypothetical protein; protein id: At1g13970.1	0	0.33	1.40	1.9	0.17	4 Up late
A003997_01	At1g80170	polygalacturonase, putative; protein id: At1g80170.1	0	-0.69	1.12	2.4	0.05	4 Up late
A004038_01	At1g35190	hyoscyamine 6-dioxygenase hydroxylase, putative; protein id: At1g35190.1	0	0.07	1.14	1.4	1.11	4 Up late
A004272_01	At1g73630	putative calmodulin; protein id: At1g73630.1	0	0.35	1.80	2.5	0.05	4 Up late
A004285_01	At1g63270	ABC transporter family protein; protein id: At1g63270.1	0	0.36	2.58	3.2	0.05	4 Up late
A004314_01	At1g35970	hypothetical protein; protein id: At1g35970.1	0	0.71	4.99	2.8	0.05	4 Up late
A004404_01	At1g66670	ATP-dependent Clp protease proteolytic subunit; protein id: At1g66670.1	0	-0.70	1.64	5.3	0.05	4 Up late
A004442_01	At1g52080	expressed protein; protein id: At1g52080.1	0	0.11	2.13	1.6	0.41	4 Up late
A004769_01	At1g66200	glutamine synthetase, putative; protein id: At1g66200.1	0	-0.03	1.28	1.7	0.27	4 Up late
A004882_01	At1g17540	receptor-like serine threonine kinase, putative; protein id: At1g17540.1	0	-0.14	1.33	1.1	5.44	4 Up late
A005356_01	At4g16840	expressed protein; protein id: At4g16840.1	0	0.16	1.56	2.6	0.05	4 Up late
A005377_01	At1g68945	expressed protein; protein id: At1g68945.1	0	-0.27	1.92	2.3	0.05	4 Up late
A005410_01	At5g26696	nectarin - like protein; protein id: At5g26696.1	0	0.16	1.40	2.1	0.08	4 Up late
A005687_01	At5g58570	expressed protein; protein id: At5g58570.1	0	0.72	2.90	3.6	0.05	4 Up late
A005787_01	At5g25900	cytochrome P450 GA3; protein id: At5g25900.1	0	0.27	1.09	1.9	0.17	4 Up late
A006039_01	At2g03710	MADS-box protein (AGL3); protein id: At2g03710.1	0	0.35	1.55	1.4	0.75	4 Up late
A006102_01	At2g46450	cyclic nucleotide-regulated ion channel, putative; protein id: At2g46450.1	0	-0.21	1.23	1.8	0.19	4 Up late
A006313_01	At2g19000	expressed protein; protein id: At2g19000.1	0	0.22	1.28	1.6	0.47	4 Up late
A006329_01	At2g40850	hypothetical protein; protein id: At2g40850.1	0	0.22	1.57	1.9	0.17	4 Up late
A006568_01	At2g27180	expressed protein; protein id: At2g27180.1	0	0.27	1.20	1.8	0.19	4 Up late
A006595_01	At2g13350	hypothetical protein; protein id: At2g13350.1	0	0.06	1.03	1.5	0.47	4 Up late
A006597_01	At2g29380	protein phosphatase 2C (PP2C), putative; protein id: At2g29380.1	0	0.33	1.49	1.3	1.42	4 Up late
A006622_01	At2g36710	pectinesterase family; protein id: At2g36710.1	0	0.48	3.39	5.6	0.05	4 Up late
A006736_01	At2g46690	putative auxin-regulated protein; protein id: At2g46690.1	0	0.71	3.22	2.3	0.05	4 Up late
A006802_01	At2g37090	unknown protein; protein id: At2g37090.1	0	-0.29	1.39	1.3	1.42	4 Up late
A007260_01	At2g23600	putative acetone-cyanohydrin lyase; protein id: At2g23600.1	0	-0.05	1.46	2.7	0.05	4 Up late
A007302_01	At2g31750	putative glucosyltransferase; protein id: At2g31750.1	0	-0.07	1.86	2.1	0.08	4 Up late
A007334_01	At2g14750	putative adenosine phosphosulfate kinase; protein id: At2g14750.1	0	0.10	1.28	1.5	0.75	4 Up late
A007385_01	At2g40460	putative PTR2 family peptide transporter; protein id: At2g40460.1	0	-0.09	1.21	1.9	0.11	4 Up late
A007618_01	At2g38080	laccase (diphenol oxidase), putative; protein id: At2g38080.1	0	-0.28	2.47	3.5	0.05	4 Up late
A007812_01	At2g23840	unknown protein; protein id: At2g23840.1	0	0.60	2.44	3.0	0.05	4 Up late
A007829_01	At2g46360	hypothetical protein; protein id: At2g46360.1	0	-0.03	1.11	1.7	0.27	4 Up late
A007974_01	At2g15050	putative lipid transfer protein; protein id: At2g15050.1	0	0.24	1.51	1.7	0.27	4 Up late
A008043_01	At2g36020	expressed protein; protein id: At2g36020.1	0	-0.14	1.09	1.6	0.47	4 Up late
A008191_01	At2g22860	unknown protein; protein id: At2g22860.1	0	0.03	1.05	1.3	1.42	4 Up late
A008270_01	At2g46210	putative fatty acid desaturase/cytochrome b5 like domain; protein id: At2g46210.1	0	-0.06	1.13	1.7	0.23	4 Up late
A008272_01	At2g40990	unknown protein; protein id: At2g40990.1	0	0.00	1.27	1.5	0.47	4 Up late
A008472_01	At2g37040	phenylalanine ammonia lyase (PAL1); protein id: At2g37040.1	0	-0.89	1.01	2.4	0.05	4 Up late

A008572_01	At2g42280	bHLH protein; protein id: At2g42280.1	0	0.43	1.66	1.5	0.47	4 Up late
A008867_01	At2g37770	aldo/keto reductase family; protein id: At2g37770.1	0	-0.01	1.56	1.4	0.75	4 Up late
A008924_01	At3g62230	putative protein; protein id: At3g62230.1	0	0.21	1.39	1.3	1.42	4 Up late
A008950_01	At3g11900	putative amino acid transporter protein; protein id: At3g11900.1	0	0.28	1.07	1.9	0.17	4 Up late
A009044_01	At3g62710	glycosyl hydrolase family 3; protein id: At3g62710.1	0	-0.47	1.01	1.8	0.19	4 Up late
A009233_01	At3g43120	indole-3-acetic acid induced protein, related; protein id: At3g43120.1	0	-0.20	1.04	1.7	0.27	4 Up late
A009409_01	At3g15050	hypothetical protein; protein id: At3g15050.1	0	0.09	1.44	1.8	0.19	4 Up late
A009501_01	At3g48740	MTN3-like protein; protein id: At3g48740.1	0	1.03	3.78	5.2	0.05	4 Up late
A009515_01	At3g05400	sugar transporter, putative; protein id: At3g05400.1	0	-0.08	3.22	3.2	0.05	4 Up late
A009845_01	not annotated	Chr3 C/9929563-9929632	0	-0.43	1.16	2.2	0.05	4 Up late
A009926_01	At3g05610	putative pectinesterase; protein id: At3g05610.1	0	0.03	1.27	1.2	5.44	4 Up late
A010414_01	At3g01240	hypothetical protein; protein id: At3g01240.1	0	0.33	1.29	1.5	0.60	4 Up late
A010495_01	At3g04700	hypothetical protein; protein id: At3g04700.1	0	0.24	1.17	1.5	0.60	4 Up late
A010669_01	At3g19550	expressed protein; protein id: At3g19550.1	0	0.32	2.05	2.4	0.05	4 Up late
A010701_01	At3g16040	expressed protein; protein id: At3g16040.1	0	-0.45	1.32	1.1	5.44	4 Up late
A010790_01	At3g10520	class 2 non-symbiotic hemoglobin; protein id: At3g10520.1	0	0.17	1.03	1.4	1.11	4 Up late
A010822_01	At3g13810	zinc finger protein, putative; protein id: At3g13810.1	0	0.06	1.11	2.2	0.05	4 Up late
A010902_01	At3g57330	potential calcium-transporting ATPase 11, plasma membrane; protein id: At3g57330.1	0	0.31	1.55	2.3	0.05	4 Up late
A010949_01	At3g61900	putative protein; protein id: At3g61900.1	0	0.35	2.88	2.3	0.05	4 Up late
A010961_01	At3g59140	ABC transporter family protein; protein id: At3g59140.1	0	-0.67	1.31	1.7	0.27	4 Up late
A011146_01	At3g49570	hypothetical protein; protein id: At3g49570.1	0	-0.74	3.28	2.3	0.05	4 Up late
A011331_01	At3g48180	hypothetical protein; protein id: At3g48180.1	0	0.02	1.02	1.8	0.19	4 Up late
A011359_01	At3g57510	polygalacturonase, putative; protein id: At3g57510.1	0	0.98	5.37	6.1	0.05	4 Up late
A011532_01	At3g49780	putative protein; protein id: At3g49780.1	0	0.53	3.48	6.7	0.05	4 Up late
A011622_01	At3g21250	ABC transporter family protein; protein id: At3g21250.1	0	0.31	1.50	1.8	0.19	4 Up late
A011788_01	At3g21360	unknown protein; protein id: At3g21360.1	0	0.32	1.21	1.6	0.36	4 Up late
A011811_01	At3g19710	branched-chain amino acid aminotransferase, cytosolic; protein id: At3g19710.1	0	0.38	4.95	2.3	0.05	4 Up late
A011896_01	At3g07820	polygalacturonase, putative; protein id: At3g07820.1	0	0.40	1.84	2.3	0.05	4 Up late
A012049_01	At3g02875	IAA-amino acid hydrolase (ILR1); protein id: At3g02875.1	0	0.52	2.03	1.9	0.11	4 Up late
A012104_01	At3g25165	expressed protein; protein id: At3g25165.1	0	0.36	1.50	1.6	0.41	4 Up late
A012113_01	At3g02750	protein phosphatase 2C (PP2C); protein id: At3g02750.1	0	0.34	1.35	1.7	0.27	4 Up late
A012116_01	At3g12520	sulphate transporter, putative; protein id: At3g12520.1	0	-0.68	1.18	1.9	0.11	4 Up late
A012119_01	At3g47420	putative protein; protein id: At3g47420.1	0	-0.46	1.38	1.7	0.36	4 Up late
A012257_01	At3g10340	putative phenylalanine ammonia-lyase; protein id: At3g10340.1	0	-0.50	2.68	2.9	0.05	4 Up late
A012398_01	At3g11650	hairpin-induced protein, putative (HIN1); protein id: At3g11650.1	0	0.26	1.15	2.2	0.05	4 Up late
A012467_01	At3g21230	putative 4-coumarate:CoA ligase 2; protein id: At3g21230.1	0	0.44	2.52	2.1	0.08	4 Up late
A012595_01	At3g62640	putative protein; protein id: At3g62640.1	0	0.18	1.14	1.2	2.11	4 Up late
A012678_01	At3g15510	putative jasmonic acid regulatory protein; protein id: At3g15510.1	0	0.37	3.66	4.9	0.05	4 Up late
A012724_01	At3g53350	putative protein; protein id: At3g53350.1	0	0.17	1.11	1.5	0.47	4 Up late
A012810_01	At3g56240	copper homeostasis factor; protein id: At3g56240.1	0	0.50	2.84	2.8	0.05	4 Up late
A012811_01	At3g11670	digalactosyldiacylglycerol synthase; protein id: At3g11670.1	0	0.02	1.11	2.2	0.05	4 Up late
A012872_01	At4g23990	cellulose synthase catalytic subunit - like protein; protein id: At4g23990.1	0	-1.12	2.44	3.0	0.05	4 Up late
A012986_01	At4g28085	expressed protein; protein id: At4g28085.1	0	0.55	3.24	5.5	0.05	4 Up late
A013627_01	At4g36490	expressed protein; protein id: At4g36490.1	0	0.42	1.71	1.9	0.17	4 Up late
A013732_01	At4g21990	PRH26 protein; protein id: At4g21990.1	0	-0.56	1.33	1.8	0.23	4 Up late

A013744_01	At4g22570	adenine phosphoribosyltransferase (EC 2.4.2.	0	0.28	1.36	2.0	0.08	4 Up late
A014017_01	At4g10380	major intrinsic protein (MIP) - like; protein id: A	0	-0.97	1.92	3.1	0.05	4 Up late
A014581_01	At4g30530	putative protein; protein id: At4g30530.1	0	-0.04	1.75	2.1	0.08	4 Up late
A014611_01	At4g01070	putative flavonol glucosyltransferase; protein i	0	0.71	2.64	2.2	0.05	4 Up late
A014667_01	At4g27390	putative protein; protein id: At4g27390.1	0	0.19	1.27	2.3	0.05	4 Up late
A014746_01	At4g27960	E2, ubiquitin-conjugating enzyme 9 (UBC9); p	0	0.08	1.40	1.5	0.60	4 Up late
A014759_01	xxxx	b/t disease resistance protein (TIR-NBS class	0	0.21	1.71	2.0	0.08	4 Up late
A014876_01	At4g11330	MAP kinase (ATMPK5); protein id: At4g11330	0	0.57	2.70	2.0	0.08	4 Up late
A015380_01	At4g15160	cell wall protein like; protein id: At4g15160.1	0	-0.92	1.19	3.4	0.05	4 Up late
A015483_01	At4g03050	putative oxidoreductase; protein id: At4g03050	0	-1.08	2.44	2.8	0.05	4 Up late
A015487_01	At4g29880	putative protein; protein id: At4g29880.1	0	0.08	1.14	1.6	0.36	4 Up late
A015548_01	At5g04180	carbonate dehydratase - like protein; protein id	0	0.30	1.52	1.5	0.60	4 Up late
A015591_01	At5g15800	MADS-box protein AGL2; protein id: At5g15800	0	0.28	1.09	1.3	1.42	4 Up late
A015641_01	At5g63030	glutaredoxin-like protein; protein id: At5g63030	0	0.46	1.67	2.6	0.05	4 Up late
A015967_01	At5g47530	putative protein; protein id: At5g47530.1	0	0.38	4.15	1.5	0.75	4 Up late
A016055_01	At5g07430	pectinesterase family; protein id: At5g07430.1	0	0.24	1.61	1.9	0.11	4 Up late
A016238_01	At5g54160	O-methyltransferase 1; protein id: At5g54160.	0	-0.97	1.70	2.2	0.05	4 Up late
A016282_01	At5g58320	putative protein; protein id: At5g47050.1	0	-0.13	1.59	1.2	2.11	4 Up late
A016393_01	At5g59310	nonspecific lipid-transfer protein precursor - lik	0	0.26	1.56	1.9	0.11	4 Up late
A016402_01	At5g10180	sulfate transporter; protein id: At5g10180.1	0	0.08	4.64	3.8	0.05	4 Up late
A016423_01	At5g46770	expressed protein; protein id: At5g46770.1	0	0.31	1.52	2.2	0.05	4 Up late
A016462_01	At5g17420	cellulose synthase catalytic subunit (IRX3); pr	0	-0.91	1.12	2.4	0.05	4 Up late
A016473_01	At5g01200	myb family transcription factor; protein id: At5g	0	0.27	1.35	1.3	1.42	4 Up late
A016588_01	At5g01360	putative protein; protein id: At5g01360.1	0	0.42	2.32	1.2	2.11	4 Up late
A016615_01	At5g02090	putative protein; protein id: At5g02090.1	0	1.06	4.00	2.1	0.05	4 Up late
A016762_01	At5g61340	putative protein; protein id: At5g61340.1	0	0.03	1.99	2.6	0.05	4 Up late
A016836_01	At5g49630	amino acid permease 6 (emb CAA65051.1); p	0	0.33	1.88	2.4	0.05	4 Up late
A016898_01	At5g59430	telomere repeat-binding protein; protein id: At	0	0.43	1.84	3.3	0.05	4 Up late
A016930_01	At5g60600	putative protein; protein id: At5g60600.1	0	-0.05	1.17	2.3	0.05	4 Up late
A016951_01	At5g49660	receptor protein kinase; protein id: At5g49660	0	-0.02	1.73	1.8	0.19	4 Up late
A017003_01	At5g05200	unknown protein	0	0.41	1.56	2.3	0.05	4 Up late
A017035_01	At5g02480	putative protein; protein id: At5g02480.1	0	0.07	1.00	1.4	1.11	4 Up late
A017046_01	At5g24530	flavanone 3-hydroxylase-like protein; protein id	0	0.24	1.86	1.9	0.11	4 Up late
A017160_01	At5g57800	lipid transfer protein; glossy1 homolog; protei	0	0.27	1.43	2.2	0.05	4 Up late
A017564_01	At5g61420	myb-related transcription factor(mixta), putativ	0	0.17	1.82	2.3	0.05	4 Up late
A017653_01	At5g53590	unknown protein; protein id: At5g53590.1	0	0.28	1.07	1.2	2.11	4 Up late
A017695_01	At5g58770	dehydrodolichyl diphosphate synthase (DEDC	0	0.94	3.36	3.0	0.05	4 Up late
A017974_01	At5g50030	putative protein; protein id: At5g50030.1	0	0.11	1.21	1.5	0.75	4 Up late
A017983_01	At5g50130	ribitol dehydrogenase-like; protein id: At5g501	0	0.31	1.60	1.3	1.42	4 Up late
A017995_01	At5g44030	cellulose synthase catalytic subunit-like protei	0	-0.18	1.62	2.3	0.05	4 Up late
A018032_01	At5g09220	amino acid transport protein AAP2	0	-0.40	1.78	2.2	0.05	4 Up late
A018064_01	At5g50920	ATP-dependent Clp protease ATP-binding sul	0	0.23	1.30	2.1	0.05	4 Up late
A018163_01	At5g56840	putative protein; protein id: At5g56840.1	0	-0.30	1.77	2.1	0.08	4 Up late
A018259_01	At5g39090	acyltransferase -like protein; protein id: At5g3	0	0.30	3.14	3.3	0.05	4 Up late
A018510_01	At5g14970	seed maturation-like protein; protein id: At5g1	0	0.32	1.18	2.2	0.05	4 Up late

A018516_01	At5g15110	pectate lyase -like protein; protein id: At5g151	0	0.33	1.45	1.5	0.60	4 Up late
A018607_01	At5g54530	putative protein; protein id: At5g54530.1	0	0.07	1.53	1.9	0.11	4 Up late
A018618_01	At5g23090	TATA-binding protein-associated phosphopro	0	0.04	1.01	1.2	5.44	4 Up late
A018655_01	At5g52950	putative protein; protein id: At5g52950.1	0	0.20	1.99	2.5	0.05	4 Up late
A018665_01	At5g35475	similar to Ac-like transposase; protein id: At5g	0	0.26	1.18	1.2	2.11	4 Up late
A018672_01	At5g35170	adenylate kinase -like protein; protein id: At5g	0	0.25	1.25	1.7	0.36	4 Up late
A018709_01	At5g44780	unknown protein; protein id: At5g44780.1	0	-0.12	1.63	2.1	0.05	4 Up late
A018781_01	At5g17670	putative protein; protein id: At5g17670.1	0	0.21	1.46	1.7	0.27	4 Up late
A018823_01	At5g40960	putative protein; protein id: At5g40960.1	0	0.19	2.47	3.1	0.05	4 Up late
A018933_01	At5g13550	sulfate transporter; protein id: At5g13550.1	0	0.26	1.56	1.9	0.11	4 Up late
A018935_01	At5g50800	MtN3-like protein; protein id: At5g50800.1	0	0.46	2.95	1.8	0.19	4 Up late
A019086_01	At5g15140	putative aldose 1-epimerase - like protein; pro	0	0.38	1.38	1.9	0.11	4 Up late
A019451_01	At1g64060	cytochrome b245 beta chain homolog RbohA ₄	0	0.37	1.77	1.2	2.11	4 Up late
A019472_01	At1g65480	flowering signals mediating protein FT; proteir	0	1.00	4.61	5.7	0.05	4 Up late
A019474_01	At1g55560	pectinesterase (pectin methylesterase) family;	0	0.37	1.74	2.4	0.05	4 Up late
A019520_01	At4g21900	putative protein; protein id: At4g21900.1	0	-0.06	1.40	1.1	5.44	4 Up late
A019576_01	At4g29100	putative protein; protein id: At4g29100.1	0	0.34	1.44	1.6	0.36	4 Up late
A019758_01	At4g13770	cytochrome p450 family; protein id: At4g13770	0	0.04	3.75	4.0	0.05	4 Up late
A019785_01	At1g13210	potential phospholipid-transporting ATPase 11	0	0.11	1.56	1.9	0.11	4 Up late
A019893_01	At1g64780	ammonium transporter, putative; protein id: A	0	0.71	2.70	2.4	0.05	4 Up late
A019964_01	At1g74660	expressed protein; protein id: At1g74660.1	0	0.12	1.47	1.4	0.75	4 Up late
A019971_01	At3g01270	putative pectate lyase; protein id: At3g01270.1	0	0.47	1.80	1.9	0.17	4 Up late
A019975_01	At3g01060	unknown protin; protein id: At3g01060.1	0	-0.05	1.04	1.9	0.17	4 Up late
A019976_01	At3g03780	putative methionine synthase; protein id: At3g	0	-0.69	1.37	1.8	0.19	4 Up late
A019995_01	At1g78070	expressed protein; protein id: At1g78070.1	0	0.02	1.07	1.5	0.60	4 Up late
A020008_01	At2g39420	putative phospholipase; protein id: At2g39420	0	-0.35	1.42	2.1	0.05	4 Up late
A020022_01	At5g13750	transporter-like protein	0	0.12	1.93	2.3	0.05	4 Up late
A020186_01	At4g36220	ferulate-5-hydroxylase (FAH1); protein id: At4g	0	-0.45	1.67	2.8	0.05	4 Up late
A020187_01	At3g62020	germin-like protein (GLP10); protein id: At3g6	0	-0.37	1.63	1.6	0.36	4 Up late
A020258_01	At5g22630	chorismate mutase/prephenate dehydratase-l	0	-0.40	1.36	1.7	0.36	4 Up late
A020260_01	At3g01700	arabinogalactan-protein (AGP11); protein id: A	0	0.20	1.21	2.3	0.05	4 Up late
A020306_01	At1g74410	putative RING zinc finger protein; protein id: A	0	0.27	1.29	1.8	0.23	4 Up late
A020345_01	At2g45530	expressed protein; protein id: At2g45530.1	0	0.23	1.29	2.1	0.08	4 Up late
A020427_01	At1g56610	unknown protein; protein id: At1g56610.1	0	0.34	1.24	1.6	0.36	4 Up late
A020671_01	At4g27580	expressed protein; protein id: At4g27580.1	0	0.00	1.19	2.2	0.05	4 Up late
A020760_01	At4g32940	gamma-VPE (vacuolar processing enzyme); p	0	0.35	2.81	3.3	0.05	4 Up late
A020806_01	At2g30860	glutathione transferase, putative; protein id: At	0	-0.12	1.25	1.7	0.27	4 Up late
A020855_01	At3g27925	DegP protease; protein id: At3g27925.1	0	0.40	1.83	2.7	0.05	4 Up late
A020880_01	At4g34050	caffeoyl-CoA 3-O-methyltransferase; protein id	0	-0.25	1.82	2.7	0.05	4 Up late
A020980_01	At5g40370	glutaredoxin -like protein; protein id: At5g4037	0	0.22	1.67	2.4	0.05	4 Up late
A021072_01	At1g23130	Csf-2-related; protein id: At1g23130.1	0	0.90	4.54	3.5	0.05	4 Up late
A021097_01	At5g42980	thioredoxin (clone GIF1) (pir|S58118); protein	0	0.17	1.21	1.2	2.11	4 Up late
A021137_01	At1g64370	expressed protein; protein id: At1g64370.1	0	0.94	4.14	3.6	0.05	4 Up late
A021209_01	not annotated	Chr4 C/16247353-1624739616247353-16247	0	0.34	1.72	2.3	0.05	4 Up late
A021230_01	At3g49580	putative protein; protein id: At3g49580.1	0	-0.60	3.82	2.5	0.05	4 Up late

A021339_01	At5g01610	putative protein; protein id: At5g01610.1	0	0.22	1.15	1.3	1.11	4 Up late
A021354_01	At3g28080	expressed protein; protein id: At3g28080.1	0	-0.11	1.56	1.1	5.44	4 Up late
A021377_01	At3g26860	putative self-incompatibility protein; protein id:	0	-0.14	1.18	1.7	0.36	4 Up late
A021419_01	At5g24660	putative protein; protein id: At5g24660.1	0	-0.38	2.75	2.4	0.05	4 Up late
A021538_01	At1g75440	E2, ubiquitin-conjugating enzyme 16 (UBC16)	0	0.30	1.26	1.5	0.60	4 Up late
A021557_01	At1g51250	unknown protein; protein id: At1g51250.1	0	-0.31	1.15	1.7	0.36	4 Up late
A021595_01	At2g29370	putative tropinone reductase; protein id: At2g2	0	0.07	3.13	2.7	0.05	4 Up late
A021659_01	At2g07640	unknown protein; protein id: At2g07640.1	0	0.22	1.24	2.0	0.08	4 Up late
A021893_01	At4g04830	putative protein; protein id: At4g04830.1	0	-0.14	3.19	4.7	0.05	4 Up late
A021920_01	At5g63330	putative protein; protein id: At5g63330.1	0	0.18	1.25	1.9	0.11	4 Up late
A021976_01	At1g62080	expressed protein; protein id: At1g62080.1	0	0.39	4.27	1.3	1.42	4 Up late
A022001_01	At1g62000	hypothetical protein; protein id: At1g62000.1	0	-0.28	3.08	1.7	0.36	4 Up late
A022358_01	At4g23260	putative protein; protein id: At4g23260.1	0	0.91	3.35	2.1	0.08	4 Up late
A022502_01	At4g27820	glycosyl hydrolase family 1; protein id: At4g27	0	0.34	1.24	2.0	0.08	4 Up late
A022643_01	At5g01570	putative protein; protein id: At5g01570.1	0	-0.06	1.59	2.3	0.05	4 Up late
A022657_01	At3g45950	putative protein; protein id: At3g45950.1	0	-0.21	1.04	2.0	0.08	4 Up late
A022804_01	At3g30280	acyltransferase family; protein id: At3g30280.1	0	0.17	1.50	1.7	0.23	4 Up late
A023091_01	At5g40240	putative protein; protein id: At5g40240.1	0	-0.20	1.30	1.2	2.11	4 Up late
A023114_01	At5g47340	palmitoyl-protein thioesterase precursor-like; p	0	0.07	1.06	1.2	5.44	4 Up late
A023272_01	At1g21720	20S proteasome beta subunit C (PBC1); prote	0	0.34	1.36	2.4	0.05	4 Up late
A023386_01	At2g45800	putative LIM-domain protein; protein id: At2g4	0	0.32	1.13	1.5	0.60	4 Up late
A023620_01	At2g31500	putative calcium-dependent protein kinase; pr	0	-0.38	1.03	1.7	0.27	4 Up late
A023721_01	At1g14880	unknown protein; protein id: At1g14880.1	0	0.73	4.28	1.5	0.60	4 Up late
A023802_01	At1g23350	conserved hypothetical protein; protein id: At1	0	0.35	2.20	1.6	0.47	4 Up late
A024038_01	At1g75280	isoflavone reductase homolog P3; protein id: /	0	-0.97	2.81	2.2	0.05	4 Up late
A024039_01	At1g75300	isoflavone reductase homolog P3, putative; pr	0	-1.46	1.37	2.2	0.05	4 Up late
A024063_01	At3g03430	pollen allergen Bra r II; protein id: At3g03430.1	0	0.34	1.35	1.7	0.27	4 Up late
A024092_01	At3g04090	hypothetical protein; protein id: At3g04090.1	0	-0.04	1.24	2.9	0.05	4 Up late
A024183_01	At5g55930	sexual differentiation process protein ISP4-like	0	0.13	1.18	2.1	0.08	4 Up late
A024250_01	At1g23740	putative auxin-induced protein; protein id: At1g	0	0.17	1.07	1.4	1.11	4 Up late
A024292_01	At1g08930	zinc finger protein ATZF1, putative; protein id:	0	0.29	1.30	1.8	0.19	4 Up late
A024447_01	At1g71880	sucrose transport protein SUC1; protein id: At	0	0.45	2.25	2.9	0.05	4 Up late
A024464_01	At5g16570	expressed protein; protein id: At5g16570.1	0	-0.37	2.93	3.4	0.05	4 Up late
A024502_01	At2g41380	putative embryo-abundant protein; protein id: .	0	0.72	3.62	1.5	0.60	4 Up late
A024508_01	At3g28940	AIG2-like protein; protein id: At3g28940.1	0	0.24	1.39	2.6	0.05	4 Up late
A024512_01	At3g19450	cinnamyl alcohol dehydrogenase; protein id: A	0	-0.35	1.03	1.2	5.44	4 Up late
A024653_01	At5g59700	receptor-like protein kinase precursor - like; pr	0	0.00	1.50	3.1	0.05	4 Up late
A024822_01	At3g46520	A.t. DNA chromosome 3, BAC clone T23J7, a	0	0.32	1.27	2.2	0.05	4 Up late
A024873_01	At4g18220	putative protein; protein id: At4g18220.1	0	0.55	1.98	1.4	0.75	4 Up late
A025313_01	At1g76680	12-oxophytodienoate reductase (OPR1); prote	0	-0.08	1.70	2.0	0.08	4 Up late
A025869_01	At2g47030	pectinesterase family; protein id: At2g47030.1	0	0.27	1.34	1.5	0.47	4 Up late
A025937_01	At3g14650	cytochrome P450, putative; protein id: At3g14	0	0.14	1.04	1.6	0.41	4 Up late
A000790_01	At1g68600	expressed protein; protein id: At1g68600.1	0	0.22	1.92	1.9	0.08	4 Up late
A003140_01	At1g56260	hypothetical protein; protein id: At1g56260.1	0	0.13	1.53	2.5	0.05	4 Up late
A003526_01	At1g69610	unknown protein; protein id: At1g69610.1	0	0.54	3.39	1.4	1.11	4 Up late

A004572_01	At1g11580	pectin methylesterase, putative; protein id: At1	0	0.10	1.07	1.2	2.11	4 Up late
A006166_01	At2g46650	putative cytochrome b5; protein id: At2g46650	0	-0.88	2.43	1.4	0.75	4 Up late
A006299_01	At2g35060	putative potassium transporter; protein id: At2	0	0.17	1.44	1.4	1.11	4 Up late
A008284_01	At2g29670	expressed protein; protein id: At2g29670.1	0	-0.64	1.01	1.7	0.27	4 Up late
A009259_01	At3g44450	putative protein; protein id: At3g44450.1	0	-0.51	2.55	2.5	0.05	4 Up late
A019856_01	At2g47880	putative glutaredoxin; protein id: At2g47880.1	0	0.07	4.14	1.5	0.60	4 Up late
A020865_01	At4g18780	cellulose synthase - like protein; protein id: At	0	-1.30	1.34	1.4	0.75	4 Up late
A020877_01	At5g03170	fasciclin-like arabinogalactan-protein (FLA11);	0	-0.79	1.45	2.0	0.08	4 Up late
A022787_01	xxxx	b/t hypothetical protein At3g32896 and similar	0	-0.06	1.49	1.1	5.44	4 Up late
A009384_01	At3g16920	glycosyl hydrolase family 19 (chitinase); protei	0	0.27	2.85	2.1	0.08	4 Up late
A014149_01	At4g19170	9-cis-epoxycarotenoid dioxygenase (neoxanth	0	0.40	3.23	1.4	0.75	4 Up late
A024446_01	At4g04610	5-adenylylsulfate reductase; protein id: At4g04	0	-0.99	2.10	2.2	0.05	4 Up late
A001491_01	At1g67870	expressed protein; protein id: At1g67870.1	0	0.69	2.44	1.8	0.23	4 Up late
A002620_01	At1g12280	disease resistance protein (CC-NBS-LRR clas	0	0.32	1.48	2.0	0.08	4 Up late
A004957_01	At5g27280	putative protein; protein id: At5g27280.1	0	0.30	1.45	2.4	0.05	4 Up late
A006526_01	At2g43120	similar to pirin-like protein; protein id: At2g431	0	-0.34	1.74	2.5	0.05	4 Up late
A007253_01	At2g20610	putative tyrosine aminotransferase; protein id:	0	-0.12	1.63	1.8	0.23	4 Up late
A009717_01	At3g19150	Kip-related protein 6; protein id: At3g19150.1	0	0.15	1.51	2.0	0.08	4 Up late
A019079_01	At5g43150	unknown protein; protein id: At5g43150.1	0	-0.31	1.79	2.4	0.05	4 Up late
A026000_01	At3g14660	cytochrome P450, putative; protein id: At3g14	0	0.26	1.17	1.6	0.47	4 Up late
A000064_01	At1g68060	unknown protein; protein id: At1g68060.1	0	-0.80	-1.41	1.3	1.11	5 Down early and sustained
A000259_01	At1g66350	RGL1;protein id: At1g66350.1	0	-1.19	-1.25	1.6	0.36	5 Down early and sustained
A000348_01	At1g80280	unknown protein; protein id: At1g80280.1	0	-2.20	-1.92	2.4	0.05	5 Down early and sustained
A000352_01	At1g80270	hypothetical protein; protein id: At1g80270.1	0	-1.72	-2.33	1.8	0.17	5 Down early and sustained
A000358_01	At1g63660	GMP synthase; protein id: At1g63660.1	0	-1.21	-1.48	2.1	0.08	5 Down early and sustained
A000553_01	At1g11820	glycosyl hydrolase family 17; protein id: At1g1	0	-0.80	-1.23	1.9	0.11	5 Down early and sustained
A001052_01	At1g14980	10 kDa chaperonin (CPN10); protein id: At1g1	0	-1.03	-1.24	2.5	0.05	5 Down early and sustained
A001059_01	At1g32900	starch synthase, putative; protein id: At1g3290	0	-0.92	-1.31	1.7	0.27	5 Down early and sustained
A001102_01	At1g07210	hypothetical protein; protein id: At1g07210.1	0	-1.18	-1.63	2.4	0.05	5 Down early and sustained
A001137_01	At1g30690	expressed protein; protein id: At1g30690.1	0	-1.14	-1.39	1.5	0.60	5 Down early and sustained
A001144_01	At1g72260	thionin; protein id: At1g72260.1	0	-3.06	-5.17	4.3	0.05	5 Down early and sustained
A001146_01	At1g48920	nucleolin, putative; protein id: At1g48920.1	0	-0.65	-1.05	1.6	0.47	5 Down early and sustained
A001166_01	At1g45130	glycosyl hydrolase family 35 (beta-galactosida	0	-1.31	-1.74	2.1	0.08	5 Down early and sustained
A001169_01	At1g21750	putative protein disulfide isomerase precursor	0	-1.00	-0.66	1.2	2.11	5 Down early and sustained
A001231_01	At1g63940	monodehydroascorbate reductase, putative; p	0	-0.96	-1.20	1.8	0.17	5 Down early and sustained
A001242_01	At1g52400	glycosyl hydrolase family 1, beta-glucosidase	0	-3.67	-5.98	3.7	0.05	5 Down early and sustained
A001302_01	At1g69700	AtHVA22c; protein id: At1g69700.1	0	-1.16	-1.70	1.5	0.60	5 Down early and sustained
A001369_01	At1g10522	expressed protein; protein id: At1g10522.1	0	-2.40	-2.50	3.9	0.05	5 Down early and sustained
A001558_01	At1g65290	acyl carrier protein, putative; protein id: At1g6	0	-0.70	-1.02	1.5	0.47	5 Down early and sustained
A001578_01	At1g51060	histone H2A, putative; protein id: At1g51060.1	0	-1.10	-1.48	2.1	0.08	5 Down early and sustained
A001602_01	At1g04590	expressed protein; protein id: At1g04590.1	0	-0.67	-1.19	1.7	0.27	5 Down early and sustained
A001720_01	At1g72290	drought induced protein, putative; protein id: A	0	-2.47	-4.42	1.9	0.11	5 Down early and sustained
A001779_01	At1g73940	expressed protein; protein id: At1g73940.1	0	-0.95	-1.56	3.1	0.05	5 Down early and sustained
A001843_01	At1g03475	putative coproporphyrinogen III oxidase; prote	0	-0.91	-1.05	1.5	0.60	5 Down early and sustained
A001939_01	At1g10370	glutathione transferase, putative; protein id: At	0	-0.95	-1.03	1.4	0.75	5 Down early and sustained

A001996_01	At1g07790	histone H2B; protein id: At1g07790.1	0	-1.13	-1.06	1.7	0.23	5 Down early and sustained
A002079_01	At1g77670	putative aminotransferase; protein id: At1g77670.1	0	-1.15	-0.77	1.8	0.19	5 Down early and sustained
A002094_01	At1g74560	putative SET protein, phosphatase 2A inhibitor; protein id: At1g74560.1	0	-1.13	-1.95	3.8	0.05	5 Down early and sustained
A002183_01	At1g74430	myb family transcription factor; protein id: At1g74430.1	0	-1.25	-1.85	1.6	0.41	5 Down early and sustained
A002413_01	At1g16870	unknown protein; protein id: At1g16870.1	0	-0.96	-1.04	1.3	1.42	5 Down early and sustained
A002433_01	At1g53130	unknown protein; protein id: At1g53130.1	0	-2.98	-4.68	2.1	0.05	5 Down early and sustained
A002484_01	At1g76300	small nuclear ribonucleoprotein, putative; protein id: At1g76300.1	0	-0.80	-1.03	1.8	0.17	5 Down early and sustained
A002678_01	At1g61990	hypothetical protein; protein id: At1g61990.1	0	-1.04	-0.69	1.1	5.44	5 Down early and sustained
A002695_01	At1g56340	calreticulin (crt1); protein id: At1g56340.1	0	-1.54	-2.28	2.1	0.05	5 Down early and sustained
A002774_01	At1g61790	hypothetical protein; protein id: At1g61790.1	0	-0.75	-1.06	1.6	0.36	5 Down early and sustained
A002791_01	At1g54030	myosinase-associated protein, putative; protein id: At1g54030.1	0	-1.30	-2.09	1.6	0.41	5 Down early and sustained
A002999_01	At1g56580	expressed protein; protein id: At1g56580.1	0	-1.70	-2.24	2.0	0.08	5 Down early and sustained
A003101_01	At1g06550	3-hydroxyisobutyryl-coenzyme A hydrolase, putative; protein id: At1g06550.1	0	-1.67	-1.11	1.6	0.36	5 Down early and sustained
A003138_01	At1g78570	dTDP-glucose 4,6-dehydratase, putative; protein id: At1g78570.1	0	-1.24	-2.19	2.5	0.05	5 Down early and sustained
A003409_01	At1g21560	hypothetical protein; protein id: At1g21560.1	0	-0.72	-1.07	1.8	0.19	5 Down early and sustained
A003523_01	At1g07220	hypothetical protein; protein id: At1g07220.1	0	-1.04	-1.40	2.3	0.05	5 Down early and sustained
A003653_01	At1g08130	ligase I, putative; protein id: At1g08130.1	0	-1.41	-1.34	1.8	0.19	5 Down early and sustained
A003672_01	At1g70490	putative ADP-ribosylation factor 1; protein id: At1g70490.1	0	-1.03	-0.69	1.3	1.11	5 Down early and sustained
A003673_01	At1g16780	vacuolar-type H+translocating inorganic pyrophosphatase, putative; protein id: At1g16780.1	0	-0.72	-1.20	1.8	0.19	5 Down early and sustained
A003817_01	At1g62280	hypothetical protein; protein id: At1g62280.1	0	-1.09	-1.16	1.2	2.11	5 Down early and sustained
A003844_01	At1g52040	myosinase-binding protein homolog, putative; protein id: At1g52040.1	0	-3.29	-5.19	3.1	0.05	5 Down early and sustained
A003860_01	At1g70350	hypothetical protein; protein id: At1g70350.1	0	-0.81	-1.18	1.3	1.42	5 Down early and sustained
A003863_01	At1g53230	flower development protein cycloidea (cyc3), putative; protein id: At1g53230.1	0	-1.05	-1.46	1.5	0.47	5 Down early and sustained
A003921_01	At1g61570	expressed protein; protein id: At1g61570.1	0	-0.88	-1.26	1.9	0.17	5 Down early and sustained
A004320_01	At1g32480	NAD+ dependent isocitrate dehydrogenase subunit alpha, putative; protein id: At1g32480.1	0	-2.58	-3.55	3.4	0.05	5 Down early and sustained
A004454_01	At1g57720	elongation factor 1B-gamma, putative (eEF-1B); protein id: At1g57720.1	0	-0.81	-1.40	1.8	0.17	5 Down early and sustained
A004537_01	At1g55360	unknown protein; protein id: At1g55360.1	0	-0.86	-1.29	1.4	0.75	5 Down early and sustained
A004557_01	At1g09780	putative 2,3-bisphosphoglycerate-independent phosphoglycerate kinase, putative; protein id: At1g09780.1	0	-1.60	-1.31	1.8	0.17	5 Down early and sustained
A004622_01	At1g44970	peroxidase, putative; protein id: At1g44970.1	0	-3.15	-4.22	3.1	0.05	5 Down early and sustained
A004637_01	At1g34430	dihydrolipoamide S-acetyltransferase, putative; protein id: At1g34430.1	0	-0.84	-1.43	1.7	0.23	5 Down early and sustained
A004744_01	At1g56330	GTP-binding protein (SAR1B); protein id: At1g56330.1	0	-0.87	-1.09	1.9	0.11	5 Down early and sustained
A004797_01	At1g28710	expressed protein; protein id: At1g28710.1	0	-2.13	-3.29	1.9	0.11	5 Down early and sustained
A004839_01	At1g32210	defender against cell death protein, putative; protein id: At1g32210.1	0	-0.78	-1.05	1.7	0.23	5 Down early and sustained
A004853_01	At1g18800	expressed protein; protein id: At1g18800.1	0	-0.89	-1.28	2.1	0.05	5 Down early and sustained
A004910_01	At1g75330	ornithine carbamoyltransferase precursor; protein id: At1g75330.1	0	-0.69	-1.08	1.3	1.42	5 Down early and sustained
A004927_01	At3g49390	RNA-binding protein, putative; protein id: At3g49390.1	0	-1.06	-1.06	1.3	1.11	5 Down early and sustained
A005002_01	At5g26707	glutamyl-tRNA synthetase; protein id: At5g26707.1	0	-0.76	-1.22	1.8	0.17	5 Down early and sustained
A005204_01	At4g32210	putative protein; protein id: At4g32210.1	0	-1.27	-0.95	1.8	0.19	5 Down early and sustained
A005223_01	At5g26800	putative protein; protein id: At5g26800.1	0	-1.37	-1.67	1.9	0.17	5 Down early and sustained
A005390_01	At5g37020	auxin response transcription factor (ARF8); protein id: At5g37020.1	0	-0.97	-1.52	1.8	0.19	5 Down early and sustained
A005661_01	At1g24020	Bet v I allergen family; protein id: At1g24020.1	0	-2.80	-4.07	3.9	0.05	5 Down early and sustained
A005680_01	At1g20430	expressed protein; protein id: At1g20430.1	0	-1.17	-1.67	2.4	0.05	5 Down early and sustained
A005715_01	At1g27435	expressed protein; protein id: At1g27435.1	0	-1.10	-1.17	1.9	0.17	5 Down early and sustained
A005722_01	At1g60770	hypothetical protein; protein id: At1g60770.1	0	-0.83	-1.42	1.8	0.19	5 Down early and sustained
A005723_01	At1g60660	cytochrome b5, putative; protein id: At1g60660.1	0	-1.03	-1.72	2.1	0.08	5 Down early and sustained

A005726_01	At3g62030	peptidylprolyl isomerase ROC4; protein id: At3g62030.1	0	-1.08	-1.85	2.1	0.08	5 Down early and sustained
A005730_01	At2g22670	auxin-regulated protein (IAA8); protein id: At2g22670.1	0	-1.36	-1.58	1.7	0.27	5 Down early and sustained
A005742_01	At3g08580	adenylate translocator; protein id: At3g08580.1	0	-0.66	-1.10	1.5	0.47	5 Down early and sustained
A005754_01	At4g11290	peroxidase, putative; protein id: At4g11290.1	0	-1.37	-0.92	1.4	1.11	5 Down early and sustained
A005864_01	At1g75500	nodulin-like protein; protein id: At1g75500.1	0	-0.92	-1.11	1.7	0.27	5 Down early and sustained
A005984_01	At1g75680	glycosyl hydrolase family 9; protein id: At1g75680.1	0	-1.40	-1.52	1.1	5.44	5 Down early and sustained
A006040_01	At2g47650	putative dTDP-glucose 4-6-dehydratase; protein id: At2g47650.1	0	-1.08	-0.72	1.3	1.42	5 Down early and sustained
A006041_01	At2g43360	biotin synthase (Bio B); protein id: At2g43360.1	0	-1.40	-2.19	3.7	0.05	5 Down early and sustained
A006226_01	At2g30200	putative malonyl-CoA:Acyl carrier protein transacylase; protein id: At2g30200.1	0	-1.00	-1.71	2.3	0.05	5 Down early and sustained
A006243_01	At2g43090	3-isopropylmalate dehydratase, small subunit; protein id: At2g43090.1	0	-0.87	-1.07	1.5	0.75	5 Down early and sustained
A006251_01	At2g30695	expressed protein; protein id: At2g30695.1	0	-0.82	-1.24	1.9	0.17	5 Down early and sustained
A006284_01	At2g45290	putative transketolase precursor; protein id: At2g45290.1	0	-1.65	-1.39	1.3	1.42	5 Down early and sustained
A006419_01	At2g38730	putative peptidyl-prolyl cis-trans isomerase; protein id: At2g38730.1	0	-0.80	-1.34	1.3	1.42	5 Down early and sustained
A006637_01	At2g31360	delta 9 desaturase; protein id: At2g31360.1	0	-0.96	-1.14	1.1	5.44	5 Down early and sustained
A006949_01	At2g45710	putative ribosomal protein S27; protein id: At2g45710.1	0	-0.59	-1.03	1.4	0.75	5 Down early and sustained
A006959_01	At2g22870	putative nucleotide-binding protein; protein id: At2g22870.1	0	-0.86	-1.31	1.4	1.11	5 Down early and sustained
A006972_01	At2g32230	hypothetical protein; protein id: At2g32230.1	0	-1.08	-1.15	1.4	0.75	5 Down early and sustained
A007023_01	At2g14880	expressed protein; protein id: At2g14880.1	0	-0.61	-1.05	1.4	1.11	5 Down early and sustained
A007051_01	At2g27040	Argonaute (AGO1)-like protein; protein id: At2g27040.1	0	-1.49	-2.50	1.7	0.27	5 Down early and sustained
A007218_01	At5g15220	ribosomal protein L27 - like; protein id: At5g15220.1	0	-1.34	-2.04	1.9	0.11	5 Down early and sustained
A007219_01	At2g04030	putative heat shock protein; protein id: At2g04030.1	0	-1.21	-1.10	1.7	0.36	5 Down early and sustained
A007246_01	At2g34870	expressed protein; protein id: At2g34870.1	0	-1.54	-1.69	2.4	0.05	5 Down early and sustained
A007273_01	At2g15690	expressed protein; protein id: At2g15690.1	0	-0.66	-1.04	1.1	5.44	5 Down early and sustained
A007305_01	At2g28950	expansin, putative; protein id: At2g28950.1	0	-2.56	-4.41	4.4	0.05	5 Down early and sustained
A007318_01	At2g31390	putative fructokinase; protein id: At2g31390.1	0	-0.87	-1.23	1.4	1.11	5 Down early and sustained
A007331_01	At2g47590	photolyase/blue-light receptor (PHR2); protein id: At2g47590.1	0	-0.92	-1.01	1.6	0.36	5 Down early and sustained
A007338_01	At2g29530	expressed protein; protein id: At2g29530.1	0	-1.08	-1.66	3.1	0.05	5 Down early and sustained
A007342_01	At2g17280	unknown protein; protein id: At2g17280.1	0	-1.14	-2.00	3.0	0.05	5 Down early and sustained
A007564_01	At2g26680	expressed protein; protein id: At2g26680.1	0	-1.23	-1.10	1.2	2.11	5 Down early and sustained
A007622_01	At2g18330	putative AAA-type ATPase; protein id: At2g18330.1	0	-1.42	-1.78	2.1	0.05	5 Down early and sustained
A007757_01	At2g34050	expressed protein; protein id: At2g34050.1	0	-0.86	-1.05	1.2	2.11	5 Down early and sustained
A007776_01	At2g37230	unknown protein; protein id: At2g37230.1	0	-0.98	-1.39	1.6	0.41	5 Down early and sustained
A007804_01	At2g40480	hypothetical protein; protein id: At2g40480.1	0	-0.82	-1.45	2.0	0.08	5 Down early and sustained
A007929_01	At2g44770	expressed protein; protein id: At2g44770.1	0	-1.01	-1.43	2.1	0.05	5 Down early and sustained
A008005_01	At2g27840	unknown protein; protein id: At2g27840.1	0	-0.88	-1.40	1.6	0.41	5 Down early and sustained
A008198_01	At2g26900	putative Na ⁺ dependent ileal bile acid transporter; protein id: At2g26900.1	0	-0.93	-1.23	1.9	0.11	5 Down early and sustained
A008212_01	At2g23930	putative small nuclear ribonucleoprotein E; protein id: At2g23930.1	0	-1.12	-1.28	1.7	0.27	5 Down early and sustained
A008269_01	At2g27970	CDK-subunit 2; protein id: At2g27970.1	0	-2.51	-1.77	2.4	0.05	5 Down early and sustained
A008305_01	At2g42840	En/Spm-like transposon protein; protein id: At2g42840.1	0	-2.15	-3.20	2.3	0.05	5 Down early and sustained
A008350_01	At2g04730	hypothetical protein; protein id: At2g04730.1	0	-0.78	-1.27	1.2	2.11	5 Down early and sustained
A008386_01	At2g05920	subtilisin-like serine protease, putative; protein id: At2g05920.1	0	-0.79	-1.03	1.5	0.60	5 Down early and sustained
A008583_01	At2g17250	hypothetical protein; protein id: At2g17250.1	0	-0.72	-1.24	1.7	0.36	5 Down early and sustained
A008587_01	At2g28000	putative rubisco subunit binding-protein alpha; protein id: At2g28000.1	0	-1.68	-2.19	2.4	0.05	5 Down early and sustained
A008608_01	At2g47470	putative protein disulfide-isomerase; protein id: At2g47470.1	0	-1.31	-1.68	2.4	0.05	5 Down early and sustained
A008645_01	At2g43460	60S ribosomal protein L38; protein id: At2g43460.1	0	-1.13	-1.90	3.4	0.05	5 Down early and sustained

A008655_01	At2g40800	unknown protein; protein id: At2g40800.1	0	-0.98	-1.39	2.1	0.08	5 Down early and sustained
A008668_01	At2g37860	unknown protein; protein id: At2g37860.1	0	-1.12	-1.33	1.9	0.11	5 Down early and sustained
A008682_01	At2g39670	expressed protein; protein id: At2g39670.1	0	-0.91	-1.19	1.9	0.17	5 Down early and sustained
A008693_01	At2g25110	expressed protein; protein id: At2g25110.1	0	-0.72	-1.06	1.2	2.11	5 Down early and sustained
A008913_01	At3g03920	putative GAR1 protein; protein id: At3g03920.	0	-0.70	-1.22	2.1	0.05	5 Down early and sustained
A008926_01	At3g51800	putative nuclear DNA-binding protein G2p; prc	0	-0.86	-1.43	2.3	0.05	5 Down early and sustained
A008929_01	At3g62300	putative protein; protein id: At3g62300.1	0	-0.73	-1.14	1.5	0.47	5 Down early and sustained
A008944_01	At3g22300	putative 40S ribosomal protein S10; protein id	0	-1.14	-1.48	1.9	0.17	5 Down early and sustained
A008969_01	At3g63130	RAN GTPase activating protein 1 protein; prot	0	-0.87	-1.36	1.9	0.17	5 Down early and sustained
A009102_01	At3g62530	putative protein; protein id: At3g62530.1	0	-0.87	-1.11	2.0	0.08	5 Down early and sustained
A009189_01	At3g28230	unknown protein; protein id: At3g28230.1	0	-0.67	-1.09	1.2	2.11	5 Down early and sustained
A009196_01	At3g55010	phosphoribosylformylglycinamide cyclo-ligas	0	-0.84	-1.30	2.3	0.05	5 Down early and sustained
A009307_01	At3g53890	40S ribosomal protein S21 homolog; protein ic	0	-1.04	-1.78	3.5	0.05	5 Down early and sustained
A009325_01	At3g29320	glucan phosphorylase, putative; protein id: At3	0	-1.53	-2.44	2.1	0.05	5 Down early and sustained
A009340_01	At3g18760	expressed protein; protein id: At3g18760.1	0	-1.46	-2.11	2.7	0.05	5 Down early and sustained
A009517_01	At3g51670	putative protein; protein id: At3g51670.1	0	-0.65	-1.11	1.6	0.41	5 Down early and sustained
A009543_01	At3g16080	putative ribosomal protein; protein id: At3g160	0	-1.06	-1.74	3.2	0.05	5 Down early and sustained
A009618_01	At3g10610	putative 40S ribosomal protein S17; protein id	0	-1.47	-2.48	1.7	0.27	5 Down early and sustained
A009676_01	At3g07590	putative small nuclear ribonucleoprotein (Sm-l	0	-0.76	-1.17	1.6	0.41	5 Down early and sustained
A009753_01	At3g23830	A.t. reversibly glycosylated polypeptide-1 (AtR	0	-1.58	-2.68	1.8	0.23	5 Down early and sustained
A009879_01	At3g10090	putative ribosomal protein S28; protein id: At3	0	-0.74	-1.08	1.6	0.41	5 Down early and sustained
A009911_01	At3g15000	expressed protein; protein id: At3g15000.1	0	-1.45	-1.34	2.5	0.05	5 Down early and sustained
A010051_01	At3g62110	polygalacturonase, putative; protein id: At3g62	0	-1.50	-1.98	2.6	0.05	5 Down early and sustained
A010300_01	At3g47930	L-galactono-1,4-lactone dehydrogenase - like	0	-0.84	-1.36	1.9	0.11	5 Down early and sustained
A010378_01	At3g12145	pseudogene, polygalacturonase inhibitor	0	-2.48	-3.42	3.1	0.05	5 Down early and sustained
A010441_01	At3g09000	expressed protein; protein id: At3g09000.1	0	-0.66	-1.15	1.1	5.44	5 Down early and sustained
A010460_01	At3g15590	DNA-binding protein, putative; protein id: At3g	0	-0.66	-1.04	1.5	0.47	5 Down early and sustained
A010467_01	At3g19790	hypothetical protein; protein id: At3g19790.1	0	-0.77	-1.04	1.6	0.41	5 Down early and sustained
A010517_01	At3g06320	putative 50S ribosomal protein L33; protein id:	0	-1.77	-2.42	2.6	0.05	5 Down early and sustained
A010559_01	At3g56490	protein kinase C inhibitor-like protein; protein i	0	-0.97	-1.11	1.7	0.23	5 Down early and sustained
A010628_01	At3g62840	small nuclear ribonucleoprotein-like protein; p	0	-0.57	-1.01	1.6	0.36	5 Down early and sustained
A010629_01	At3g23990	mitochondrial chaperonin hsp60; protein id: At	0	-1.10	-1.47	2.4	0.05	5 Down early and sustained
A010660_01	At3g20670	histone H2A, putative; protein id: At3g20670.1	0	-1.47	-2.13	3.0	0.05	5 Down early and sustained
A010689_01	At3g49670	leucine-rich repeat transmembrane protein kir	0	-1.19	-1.81	1.9	0.11	5 Down early and sustained
A010709_01	At3g56120	putative protein; protein id: At3g56120.1	0	-0.59	-1.05	2.1	0.08	5 Down early and sustained
A010744_01	At3g62360	putative protein; protein id: At3g62360.1	0	-1.10	-0.84	1.8	0.23	5 Down early and sustained
A010819_01	At3g15940	hypothetical protein; protein id: At3g15940.1	0	-1.10	-1.27	1.1	5.44	5 Down early and sustained
A010926_01	At3g61310	putative DNA-binding protein; protein id: At3g6	0	-0.81	-1.00	1.4	0.75	5 Down early and sustained
A010943_01	At3g52960	peroxiredoxin - like protein; protein id: At3g52	0	-0.95	-1.16	1.3	1.11	5 Down early and sustained
A011078_01	At3g17390	putative s-adenosylmethionine synthetase; prc	0	-1.20	-1.12	1.8	0.19	5 Down early and sustained
A011148_01	At3g04770	putative 40S ribosomal protein; protein id: At3	0	-0.99	-1.41	2.4	0.05	5 Down early and sustained
A011344_01	At3g09820	putative adenosine kinase; protein id: At3g098	0	-1.26	-2.01	2.2	0.05	5 Down early and sustained
A011390_01	At3g06530	hypothetical protein; protein id: At3g06530.1	0	-1.19	-1.06	1.7	0.36	5 Down early and sustained
A011523_01	At3g07200	putative RING zinc finger protein; protein id: A	0	-1.05	-1.72	1.2	2.11	5 Down early and sustained
A011662_01	At3g01980	putative dehydrogenase; protein id: At3g0198	0	-1.04	-1.62	2.5	0.05	5 Down early and sustained

A011666_01	At3g13180	sun protein (fmu protein), putative; protein id:	0	-0.94	-1.20	1.9	0.17	5 Down early and sustained
A011671_01	At3g04400	ribosomal protein L17, putative; protein id: At3	0	-1.02	-1.29	1.7	0.23	5 Down early and sustained
A011678_01	At3g54960	protein disulfide-isomerase-like protein; protei	0	-1.00	-0.89	1.5	0.47	5 Down early and sustained
A011761_01	At3g05000	unknown protein; protein id: At3g05000.1	0	-0.80	-1.10	1.5	0.47	5 Down early and sustained
A011772_01	At3g49240	putative protein; protein id: At3g49240.1	0	-1.05	-1.54	2.6	0.05	5 Down early and sustained
A011861_01	At3g54820	aquaporin/MIP - like protein; protein id: At3g5-	0	-1.72	-2.56	3.2	0.05	5 Down early and sustained
A011872_01	At3g61520	putative protein; protein id: At3g61520.1	0	-1.40	-1.13	1.5	0.60	5 Down early and sustained
A012093_01	At3g07230	putative wound-induced basic protein; protein	0	-1.02	-1.01	1.5	0.47	5 Down early and sustained
A012115_01	At3g18680	uridylate kinase, putative; protein id: At3g1868	0	-1.03	-1.61	2.1	0.08	5 Down early and sustained
A012251_01	At3g18240	expressed protein; protein id: At3g18240.1	0	-1.61	-1.86	2.3	0.05	5 Down early and sustained
A012311_01	At3g05590	putative 60S ribosomal protein L18; protein id:	0	-0.78	-1.24	2.0	0.08	5 Down early and sustained
A012458_01	At3g04120	glyceraldehyde-3-phosphate dehydrogenase (	0	-1.23	-1.12	1.1	5.44	5 Down early and sustained
A012479_01	At3g13230	expressed protein; protein id: At3g13230.1	0	-0.86	-1.48	2.3	0.05	5 Down early and sustained
A012526_01	At3g07770	putative heat-shock protein; protein id: At3g07	0	-1.47	-1.28	2.9	0.05	5 Down early and sustained
A012640_01	At3g54470	similar to UMP synthase {Arabidopsis thaliana	0	-1.06	-1.62	1.8	0.19	5 Down early and sustained
A012752_01	At3g54090	fructokinase - like protein; protein id: At3g540:	0	-1.59	-1.78	2.1	0.08	5 Down early and sustained
A012776_01	At3g48610	putative protein; protein id: At3g48610.1	0	-0.88	-1.28	1.2	2.11	5 Down early and sustained
A012862_01	At4g26900	glutamine amidotransferase/cyclase; protein id:	0	-0.77	-1.23	1.7	0.36	5 Down early and sustained
A013246_01	At4g25890	putative acidic ribosomal protein; protein id: A	0	-1.05	-1.80	2.9	0.05	5 Down early and sustained
A013271_01	At4g31600	putative protein; protein id: At4g31600.1	0	-1.02	-1.15	1.5	0.60	5 Down early and sustained
A013416_01	At4g37910	glycine hydroxymethyltransferase-like protein	0	-1.24	-1.54	2.6	0.05	5 Down early and sustained
A013554_01	not annotated	Chr4 C/7628038-7628107	0	-2.07	-3.49	2.5	0.05	5 Down early and sustained
A013555_01	At4g15200	expressed protein; protein id: At4g15200.1	0	-1.91	-2.87	1.5	0.47	5 Down early and sustained
A013561_01	At4g15640	hypothetical protein; protein id: At4g15640.1	0	-1.52	-2.29	2.3	0.05	5 Down early and sustained
A013625_01	At4g36420	ribosomal protein; protein id: At4g36420.1	0	-0.72	-1.21	2.8	0.05	5 Down early and sustained
A013633_01	At4g36660	hypothetical protein; protein id: At4g36660.1	0	-0.82	-1.37	1.7	0.27	5 Down early and sustained
A013637_01	At4g36940	hypothetical protein; protein id: At4g36940.1	0	-0.93	-1.36	1.4	1.11	5 Down early and sustained
A013669_01	At4g24190	HSP90-like protein; protein id: At4g24190.1	0	-1.22	-1.70	2.6	0.05	5 Down early and sustained
A013755_01	At4g33030	sulfolipid biosynthesis protein SQD1; protein id:	0	-1.40	-1.32	2.1	0.05	5 Down early and sustained
A013774_01	At4g34200	phosphoglycerate dehydrogenase - like protei	0	-1.48	-1.89	2.9	0.05	5 Down early and sustained
A013831_01	At4g29520	putative protein; protein id: At4g29520.1	0	-1.80	-2.12	1.7	0.27	5 Down early and sustained
A014040_01	At4g11320	cysteine proteinase; protein id: At4g11320.1	0	-3.89	-4.70	2.5	0.05	5 Down early and sustained
A014086_01	At4g27900	putative protein; protein id: At4g27900.1	0	-0.97	-1.29	2.8	0.05	5 Down early and sustained
A014146_01	At4g39170	SEC14 - like protein; protein id: At4g39170.1	0	-1.06	-1.06	1.4	0.75	5 Down early and sustained
A014182_01	At4g11820	hydroxymethylglutaryl-CoA synthase; protein id:	0	-0.93	-1.43	2.2	0.05	5 Down early and sustained
A014247_01	At4g10270	probable wound-induced protein; protein id: A	0	-2.47	-2.20	2.0	0.08	5 Down early and sustained
A014275_01	At4g12890	putative protein; protein id: At4g12890.1	0	-3.59	-4.95	2.2	0.05	5 Down early and sustained
A014577_01	At4g02930	mitochondrial elongation factor Tu; protein id:	0	-1.75	-2.60	4.7	0.05	5 Down early and sustained
A014634_01	At4g39730	putative protein; protein id: At4g39730.1	0	-1.57	-1.73	2.2	0.05	5 Down early and sustained
A014706_01	At4g15770	hypothetical protein; protein id: At4g15770.1	0	-0.93	-1.15	2.2	0.05	5 Down early and sustained
A014716_01	At4g13940	adenosylhomocysteinase; protein id: At4g139-	0	-0.90	-1.28	1.9	0.17	5 Down early and sustained
A014721_01	At4g11010	nucleoside diphosphate kinase 3 (ndpk3); pro	0	-1.11	-1.54	2.6	0.05	5 Down early and sustained
A014799_01	At4g02290	glycosyl hydrolase family 9; protein id: At4g02	0	-3.01	-3.87	2.2	0.05	5 Down early and sustained
A015144_01	At4g26780	grpE like protein; protein id: At4g26780.1	0	-1.80	-1.37	1.8	0.19	5 Down early and sustained
A015235_01	At4g25630	fibrillarlin 2 (AtFib2); protein id: At4g25630.1	0	-1.71	-2.43	1.8	0.19	5 Down early and sustained

A015240_01	At4g30220	snRNP Sm protein F - like; protein id: At4g30220.1	0	-1.30	-1.54	2.5	0.05	5 Down early and sustained
A015444_01	At4g33680	putative protein; protein id: At4g33680.1	0	-0.96	-1.09	1.7	0.27	5 Down early and sustained
A015472_01	At4g36680	salt-inducible like protein; protein id: At4g36680.1	0	-1.22	-1.91	2.0	0.08	5 Down early and sustained
A015475_01	At4g16630	DEAD/DEAH box RNA helicase, putative; protein id: At4g16630.1	0	-0.80	-1.27	1.6	0.36	5 Down early and sustained
A015484_01	At4g09320	nucleoside-diphosphate kinase; protein id: At4g09320.1	0	-0.94	-1.39	1.9	0.17	5 Down early and sustained
A015492_01	At4g36360	glycosyl hydrolase family 35 (beta-galactosidase-like); protein id: At4g36360.1	0	-1.72	-2.49	1.8	0.23	5 Down early and sustained
A015585_01	At5g08040	putative protein; protein id: At5g08040.1	0	-1.05	-1.28	1.9	0.11	5 Down early and sustained
A015586_01	At5g40350	myb family transcription factor; protein id: At5g40350.1	0	-1.01	-1.24	1.6	0.36	5 Down early and sustained
A015793_01	At5g23420	expressed protein; protein id: At5g23420.1	0	-2.19	-2.51	2.4	0.05	5 Down early and sustained
A015860_01	At5g44630	terpene synthase/cyclase family; protein id: At5g44630.1	0	-3.01	-4.31	6.8	0.05	5 Down early and sustained
A015895_01	At5g48580	FKBP-type peptidyl-prolyl cis-trans isomerase	0	-1.02	-1.53	2.3	0.05	5 Down early and sustained
A015997_01	At5g67260	cyclin D3;2; protein id: At5g67260.1	0	-0.80	-1.25	2.0	0.08	5 Down early and sustained
A016012_01	At5g46290	3-oxoacyl-(acyl-carrier-protein) synthase I pre-biotin carboxyl carrier protein 1 (BCCP1); protein id: At5g46290.1	0	-0.99	-1.42	2.0	0.08	5 Down early and sustained
A016062_01	At5g16390	histone H2B like protein (emb|CAA69025.1); protein id: At5g16390.1	0	-0.74	-1.10	1.5	0.47	5 Down early and sustained
A016083_01	At5g22880	putative protein phosphatase; protein id: At5g22880.1	0	-2.57	-3.02	3.2	0.05	5 Down early and sustained
A016120_01	At5g10480	putative protein phosphatase; protein id: At5g10480.1	0	-0.98	-1.27	2.2	0.05	5 Down early and sustained
A016447_01	At5g52540	putative protein; protein id: At5g52540.1	0	-1.17	-1.37	1.9	0.11	5 Down early and sustained
A016484_01	At5g16060	hypothetical protein; protein id: At5g16060.1	0	-0.99	-1.70	2.1	0.08	5 Down early and sustained
A016625_01	At5g56940	30S ribosomal protein S16; protein id: At5g56940.1	0	-0.88	-1.09	1.7	0.27	5 Down early and sustained
A016736_01	At5g12080	putative protein; protein id: At5g12080.1	0	-1.56	-1.50	1.9	0.11	5 Down early and sustained
A016907_01	At5g23580	calcium-dependent protein kinase (pir||S7119); protein id: At5g23580.1	0	-1.29	-1.65	1.9	0.11	5 Down early and sustained
A016914_01	At5g02240	putative protein; protein id: At5g02240.1	0	-1.37	-1.56	2.2	0.05	5 Down early and sustained
A016922_01	At5g59850	cytoplasmic ribosomal protein S15a - like; protein id: At5g59850.1	0	-1.31	-2.28	3.9	0.05	5 Down early and sustained
A016929_01	At5g42920	putative protein; protein id: At5g42920.1	0	-0.88	-1.12	2.1	0.08	5 Down early and sustained
A016950_01	At5g61790	calnexin - like protein; protein id: At5g61790.1	0	-0.93	-1.24	2.0	0.08	5 Down early and sustained
A016979_01	At5g23250	succinyl-CoA synthetase, alpha subunit; protein id: At5g23250.1	0	-1.15	-1.45	2.4	0.05	5 Down early and sustained
A017042_01	At5g64860	glycosyl hydrolase family 77 (4-alpha-glucanase-like); protein id: At5g64860.1	0	-1.15	-1.66	1.4	1.11	5 Down early and sustained
A017331_01	At5g12110	elongation factor 1B alpha-subunit (emb|CAB60000.1); protein id: At5g12110.1	0	-0.72	-1.11	1.9	0.11	5 Down early and sustained
A017361_01	At5g47870	putative protein; protein id: At5g47870.1	0	-1.33	-1.02	1.2	2.11	5 Down early and sustained
A017380_01	At5g40480	nuclear pore protein -like; protein id: At5g40480.1	0	-1.85	-2.15	1.8	0.19	5 Down early and sustained
A017513_01	At5g13930	chalcone synthase; protein id: At5g13930.1	0	-3.19	-2.98	2.2	0.05	5 Down early and sustained
A017645_01	At5g59870	histone H2A - like protein; protein id: At5g59870.1	0	-2.63	-2.89	2.4	0.05	5 Down early and sustained
A017667_01	At5g58930	putative protein; protein id: At5g58930.1	0	-1.10	-1.67	1.9	0.11	5 Down early and sustained
A017742_01	At5g22650	histone deacetylase-like protein; protein id: At5g22650.1	0	-0.68	-1.20	2.2	0.05	5 Down early and sustained
A017764_01	At5g61810	peroxisomal Ca-dependent solute carrier - like protein; protein id: At5g61810.1	0	-0.86	-1.20	1.5	0.47	5 Down early and sustained
A017860_01	At5g65310	homeobox-leucine zipper protein ATHB-5 (HCA1); protein id: At5g65310.1	0	-1.84	-2.38	2.6	0.05	5 Down early and sustained
A017897_01	At5g64670	putative protein; protein id: At5g64670.1	0	-1.05	-1.46	1.9	0.11	5 Down early and sustained
A017915_01	At5g62270	putative protein; protein id: At5g62270.1	0	-1.25	-2.01	1.6	0.41	5 Down early and sustained
A017933_01	At5g66470	GTP-binding protein-like; protein id: At5g66470.1	0	-0.97	-1.17	1.4	0.75	5 Down early and sustained
A017942_01	At5g22580	expressed protein; protein id: At5g22580.1	0	-2.86	-4.15	5.9	0.05	5 Down early and sustained
A017971_01	At5g50810	small zinc finger-like protein; protein id: At5g50810.1	0	-1.22	-1.58	2.5	0.05	5 Down early and sustained
A018000_01	At5g08300	succinyl-CoA-ligase alpha subunit; protein id: At5g08300.1	0	-0.86	-1.10	1.9	0.08	5 Down early and sustained
A018006_01	At5g24780	vegetative storage protein Vsp1; protein id: At5g24780.1	0	-2.04	-3.45	2.4	0.05	5 Down early and sustained
A018049_01	At5g64580	putative protein; protein id: At5g64580.1	0	-1.23	-0.93	1.5	0.60	5 Down early and sustained
A018060_01	At5g52840	expressed protein; protein id: At5g52840.1	0	-0.79	-1.08	1.7	0.27	5 Down early and sustained

A018237_01	At5g11890	putative protein; protein id: At5g11890.1	0	-1.15	-1.84	1.8	0.23	5 Down early and sustained
A018355_01	At5g67150	anthranilate N-hydroxycinnamoyl/benzoyltrans	0	-1.22	-1.23	1.3	1.42	5 Down early and sustained
A018395_01	At5g40770	prohibitin (gb|AAC49691.1); protein id: At5g40	0	-1.09	-1.45	2.2	0.05	5 Down early and sustained
A018428_01	At5g59480	putative ripening-related protein - like; protein	0	-1.16	-1.82	2.6	0.05	5 Down early and sustained
A018638_01	At5g46220	putative protein; protein id: At5g46220.1	0	-1.34	-2.05	3.0	0.05	5 Down early and sustained
A018694_01	At5g22550	putative protein; protein id: At5g22550.1	0	-0.89	-1.43	1.2	2.11	5 Down early and sustained
A018803_01	At5g65430	14-3-3 protein GF14 kappa (grf8); protein id: /	0	-1.80	-1.32	2.6	0.05	5 Down early and sustained
A018844_01	At5g43940	alcohol dehydrogenase (EC 1.1.1.1) class III (	0	-0.73	-1.18	2.2	0.05	5 Down early and sustained
A018909_01	At5g64140	40S ribosomal protein S28 (sp|P34789); prote	0	-1.17	-2.04	4.9	0.05	5 Down early and sustained
A019032_01	At5g66530	apospory-associated protein C-like; protein id:	0	-1.10	-1.17	1.2	2.11	5 Down early and sustained
A019041_01	xxxx	b/t putative protein; protein id: At5g14310.1 a	0	-0.68	-1.02	1.2	2.11	5 Down early and sustained
A019127_01	At5g61130	glycosyl hydrolase family 17; protein id: At5g6	0	-1.59	-1.87	2.2	0.05	5 Down early and sustained
A019447_01	At1g68990	DNA-directed RNA polymerase; protein id: At	0	-0.80	-1.31	1.6	0.47	5 Down early and sustained
A019469_01	At4g34870	peptidylprolyl isomerase (cyclophilin); protein i	0	-0.84	-1.46	2.5	0.05	5 Down early and sustained
A019491_01	At3g59970	methylenetetrahydrofolate reductase MTHFR	0	-1.26	-1.75	1.8	0.19	5 Down early and sustained
A019496_01	At1g09210	putative calcium-binding protein, calreticulin; p	0	-1.59	-1.85	2.4	0.05	5 Down early and sustained
A019562_01	At4g31840	putative protein; protein id: At4g31840.1	0	-2.91	-3.41	2.7	0.05	5 Down early and sustained
A019566_01	At4g12600	ribosomal protein L7Ae -like; protein id: At4g1	0	-1.44	-2.21	3.9	0.05	5 Down early and sustained
A019602_01	At5g01620	putative protein; protein id: At5g01620.1	0	-1.00	-1.67	1.3	1.11	5 Down early and sustained
A019630_01	At3g16780	putative ribosomal protein; protein id: At3g167	0	-0.92	-1.37	2.0	0.08	5 Down early and sustained
A019638_01	At3g25220	immunophilin (FKBP15-1); protein id: At3g252	0	-1.10	-1.22	2.0	0.08	5 Down early and sustained
A019640_01	At5g41060	putative protein; protein id: At5g41060.1	0	-1.19	-1.77	1.4	1.11	5 Down early and sustained
A019642_01	At5g48880	3-keto-acyl-CoA thiolase 2 (gb|AAC17877.1);	0	-2.29	-1.53	2.0	0.08	5 Down early and sustained
A019666_01	At3g21190	expressed protein; protein id: At3g21190.1	0	-1.00	-1.42	1.3	1.42	5 Down early and sustained
A019680_01	At5g24420	6-phosphogluconolactonase-like protein; prote	0	-2.31	-3.54	3.4	0.05	5 Down early and sustained
A019771_01	At2g22670	auxin-regulated protein (IAA8); protein id: At2g	0	-1.02	-1.51	2.3	0.05	5 Down early and sustained
A019813_01	At1g33040	expressed protein; protein id: At1g33040.1	0	-1.21	-1.38	2.0	0.08	5 Down early and sustained
A019866_01	At2g37020	translin-like protein; protein id: At2g37020.1	0	-1.45	-1.47	1.5	0.47	5 Down early and sustained
A019952_01	At1g55210	disease resistance response protein-related/ c	0	-1.04	-1.17	1.9	0.11	5 Down early and sustained
A020001_01	At1g55490	rubisco subunit binding-protein beta subunit; p	0	-1.07	-1.89	2.1	0.05	5 Down early and sustained
A020048_01	At2g19520	putative WD-40 repeat protein, MSI4; protein i	0	-1.06	-1.04	2.1	0.08	5 Down early and sustained
A020050_01	At3g53900	uracil phosphoribosyltransferase-like protein; j	0	-2.31	-2.68	2.0	0.08	5 Down early and sustained
A020054_01	At3g56090	putative protein; protein id: At3g56090.1	0	-0.99	-1.17	2.0	0.08	5 Down early and sustained
A020216_01	At1g09630	GTP-binding protein, putative; protein id: At1g	0	-1.19	-1.06	1.3	1.42	5 Down early and sustained
A020217_01	At2g28790	putative thaumatin; protein id: At2g28790.1	0	-1.99	-2.80	3.3	0.05	5 Down early and sustained
A020265_01	At4g13950	expressed protein; protein id: At4g13950.1	0	-1.02	-1.34	1.4	1.11	5 Down early and sustained
A020382_01	At1g71220	putative UDP-glucose:glycoprotein glucosyltra	0	-1.14	-1.01	1.5	0.60	5 Down early and sustained
A020383_01	At2g45030	mitochondrial elongation factor, putative; prote	0	-1.02	-0.83	1.2	2.11	5 Down early and sustained
A020385_01	At2g21160	putative signal sequence receptor, alpha subu	0	-0.70	-1.15	1.7	0.27	5 Down early and sustained
A020406_01	At2g04390	40S ribosomal protein S17; protein id: At2g04	0	-1.00	-1.72	2.9	0.05	5 Down early and sustained
A020410_01	At2g28470	glycosyl hydrolase family 35 (beta-galactosida	0	-1.85	-2.70	3.9	0.05	5 Down early and sustained
A020481_01	At3g18940	expressed protein; protein id: At3g18940.1	0	-0.90	-1.10	1.8	0.23	5 Down early and sustained
A020516_01	At5g20720	chloroplast Cpn21 protein; protein id: At5g207	0	-1.19	-1.69	1.8	0.23	5 Down early and sustained
A020524_01	At3g02040	expressed protein; protein id: At3g02040.1	0	-1.64	-1.29	2.0	0.08	5 Down early and sustained
A020556_01	At3g22840	early light-induced protein; protein id: At3g228	0	-1.51	-1.66	1.7	0.36	5 Down early and sustained

A020594_01	At4g23690	disease resistance response protein family/ di	0	-1.51	-1.99	1.8	0.19	5 Down early and sustained
A020601_01	At1g56210	copper chaperone (CCH)-related; protein id: A	0	-0.70	-1.01	1.2	2.11	5 Down early and sustained
A020653_01	At4g25340	putative protein; protein id: At4g25340.1	0	-1.05	-0.92	1.3	1.42	5 Down early and sustained
A020659_01	At3g03630	O-acetylserine (thiol) lyase; protein id: At3g03	0	-1.06	-1.83	1.4	1.11	5 Down early and sustained
A020727_01	At1g12000	putative pyrophosphate-fructose-6-phosphate	0	-1.46	-1.99	2.9	0.05	5 Down early and sustained
A020730_01	At3g18000	methyltransferase, putative; protein id: At3g18	0	-2.58	-3.23	3.2	0.05	5 Down early and sustained
A020732_01	At4g17190	farnesyl pyrophosphate synthetase 2 (FPS2) (	0	-1.32	-2.13	2.6	0.05	5 Down early and sustained
A020762_01	At1g49760	polyadenylate-binding protein (PABP), putative	0	-0.77	-1.14	1.3	1.42	5 Down early and sustained
A020843_01	At4g30930	WRKY family transcription factor; protein id: A	0	-0.99	-1.68	3.2	0.05	5 Down early and sustained
A020883_01	At2g39930	putative isoamylase; protein id: At2g39930.1	0	-0.70	-1.09	1.2	2.11	5 Down early and sustained
A020905_01	At5g08260	serine-type carboxypeptidase II-like protein; p	0	-2.00	-1.98	2.9	0.05	5 Down early and sustained
A020916_01	At1g11840	glyoxalase I, putative (lactoylglutathione lyase	0	-0.87	-1.16	1.5	0.47	5 Down early and sustained
A020970_01	At4g29680	nucleotide pyrophosphatase - like protein; pro	0	-1.11	-1.45	2.2	0.05	5 Down early and sustained
A021010_01	At1g09590	putative 60S ribosomal protein L21; protein id:	0	-1.25	-2.02	3.5	0.05	5 Down early and sustained
A021021_01	At5g28540	luminal binding protein; protein id: At5g28540.	0	-1.30	-1.91	1.9	0.08	5 Down early and sustained
A021046_01	At2g34480	60S ribosomal protein L18A; protein id: At2g3	0	-0.72	-1.25	1.7	0.27	5 Down early and sustained
A021053_01	At5g24770	vegetative storage protein Vsp2; protein id: At	0	-0.94	-1.34	1.1	5.44	5 Down early and sustained
A021059_01	At1g53240	mitochondrial NAD-dependent malate dehydr	0	-1.13	-1.71	2.8	0.05	5 Down early and sustained
A021062_01	At3g53750	actin (ACT3); protein id: At3g53750.1	0	-1.11	-1.31	1.9	0.08	5 Down early and sustained
A021213_01	At1g07820	histone H4; protein id: At1g07820.1	0	-1.16	-1.11	2.3	0.05	5 Down early and sustained
A021227_01	At3g58200	putative protein; protein id: At3g58200.1	0	-1.19	-1.28	1.1	5.44	5 Down early and sustained
A021299_01	At4g29760	putative protein; protein id: At4g29760.1	0	-1.17	-2.04	3.3	0.05	5 Down early and sustained
A021338_01	At4g30330	small nuclear ribonucleoprotein homolog; prot	0	-1.32	-2.12	2.7	0.05	5 Down early and sustained
A021542_01	At1g54690	histone H2A, putative; protein id: At1g54690.1	0	-1.09	-0.75	1.3	1.11	5 Down early and sustained
A021551_01	At1g04470	unknown protein; protein id: At1g04470.1	0	-1.06	-1.28	1.5	0.60	5 Down early and sustained
A021565_01	At3g46560	small zinc finger-like protein TIM9; protein id:	0	-0.99	-1.67	3.2	0.05	5 Down early and sustained
A021585_01	At2g18990	putative ATP binding protein; protein id: At2g1	0	-1.16	-1.67	2.4	0.05	5 Down early and sustained
A021613_01	At2g28740	histone H4; protein id: At2g28740.1	0	-1.62	-1.84	2.0	0.08	5 Down early and sustained
A021696_01	At1g29250	expressed protein; protein id: At1g29250.1	0	-0.98	-1.58	3.2	0.05	5 Down early and sustained
A021726_01	At1g07070	ribosomal protein, putative; protein id: At1g07	0	-1.08	-1.66	2.1	0.05	5 Down early and sustained
A021739_01	At3g11500	putative small nuclear ribonucleoprotein polyp	0	-0.94	-1.14	1.4	0.75	5 Down early and sustained
A021794_01	At2g02500	putative sugar nucleotide phosphorylase; prot	0	-1.24	-1.64	1.7	0.27	5 Down early and sustained
A021829_01	At5g10390	histone H3 - like protein; protein id: At5g1039	0	-1.96	-1.49	3.1	0.05	5 Down early and sustained
A021891_01	At4g14320	ribosomal protein; protein id: At4g14320.1	0	-0.88	-1.34	2.5	0.05	5 Down early and sustained
A021908_01	At1g09200	expressed protein; protein id: At1g09200.1	0	-1.98	-1.95	2.3	0.05	5 Down early and sustained
A021930_01	At3g46320	F12M12.3; pseudogene, putative histone H4-I	0	-1.79	-1.90	3.2	0.05	5 Down early and sustained
A021932_01	At5g03850	ribosomal protein S28- like; protein id: At5g03	0	-0.72	-1.20	2.0	0.08	5 Down early and sustained
A021938_01	At1g26880	60s ribosomal protein L34; protein id: At1g268	0	-0.92	-1.54	2.8	0.05	5 Down early and sustained
A021941_01	At3g27360	histone H3, putative; protein id: At3g27360.1	0	-2.10	-3.39	4.1	0.05	5 Down early and sustained
A021949_01	At1g14850	nucleoporin, putative; protein id: At1g14850.1	0	-0.64	-1.14	1.3	1.42	5 Down early and sustained
A021955_01	At1g22270	expressed protein; protein id: At1g22270.1	0	-0.68	-1.05	1.7	0.27	5 Down early and sustained
A021966_01	At3g43810	calmodulin 7; protein id: At3g43810.1	0	-1.03	-1.48	1.8	0.19	5 Down early and sustained
A021998_01	At2g02100	plant defensin protein, putative (PDF2.2); prot	0	-1.87	-3.15	4.3	0.05	5 Down early and sustained
A022009_01	At3g23390	putative ribosomal protein; protein id: At3g233	0	-0.95	-1.65	3.3	0.05	5 Down early and sustained
A022047_01	At1g67430	ribosomal protein, putative; protein id: At1g67	0	-1.11	-1.90	3.4	0.05	5 Down early and sustained

A022282_01	At4g28360	expressed protein; protein id: At4g28360.1	0	-1.10	-1.53	1.8	0.17	5 Down early and sustained
A022486_01	At4g11120	putative translation elongation factor ts; protei	0	-0.75	-1.10	1.2	2.11	5 Down early and sustained
A022635_01	At4g37220	cold acclimation protein homolog; protein id: A	0	-0.79	-1.32	1.6	0.41	5 Down early and sustained
A022862_01	At5g55915	nucleolar protein-like; protein id: At5g55915.1	0	-1.02	-1.44	1.7	0.36	5 Down early and sustained
A022882_01	At5g58710	cyclophilin ROC7; protein id: At5g58710.1	0	-0.98	-1.27	2.0	0.08	5 Down early and sustained
A022999_01	At5g63650	serine/threonine-protein kinase; protein id: At5	0	-1.38	-2.17	1.5	0.60	5 Down early and sustained
A023130_01	At5g51080	putative protein; protein id: At5g51080.1	0	-0.76	-1.29	2.5	0.05	5 Down early and sustained
A023158_01	At5g15670	putative protein; protein id: At5g15670.1	0	-1.19	-1.22	1.4	0.75	5 Down early and sustained
A023297_01	At1g73110	rubisco activase, putative; protein id: At1g731	0	-1.11	-1.35	2.4	0.05	5 Down early and sustained
A023363_01	At2g32920	putative protein disulfide isomerase; protein id	0	-0.89	-1.14	2.0	0.08	5 Down early and sustained
A023389_01	At2g45860	hypothetical protein; protein id: At2g45860.1	0	-0.81	-1.01	1.6	0.41	5 Down early and sustained
A023629_01	At2g31670	unknown protein; protein id: At2g31670.1	0	-0.79	-1.12	1.2	2.11	5 Down early and sustained
A024112_01	At2g05220	40S ribosomal protein S17; protein id: At2g05	0	-0.92	-1.31	1.8	0.19	5 Down early and sustained
A024291_01	At1g14320	tumor suppressor, putative; protein id: At1g14	0	-0.97	-1.55	2.1	0.05	5 Down early and sustained
A024306_01	At1g71070	N-acetylglucosaminyltransferase family (Core	0	-0.98	-1.30	2.2	0.05	5 Down early and sustained
A024318_01	At3g48930	cytosolic ribosomal protein S11; protein id: At3	0	-1.19	-2.02	3.2	0.05	5 Down early and sustained
A024346_01	At1g16190	hypothetical protein; protein id: At1g16190.1	0	-0.78	-1.09	1.4	0.75	5 Down early and sustained
A024354_01	At2g39330	putative myrosinase-binding protein; protein ic	0	-2.40	-3.94	2.2	0.05	5 Down early and sustained
A024398_01	At1g53310	phosphoenolpyruvate carboxylase 1, putative;	0	-0.88	-1.14	1.4	0.75	5 Down early and sustained
A024453_01	At1g03860	putative prohibitin 2; protein id: At1g03860.1	0	-0.92	-1.12	2.4	0.05	5 Down early and sustained
A024474_01	At5g66510	ferripyochelin-binding protein-like; protein id: A	0	-1.23	-1.26	2.0	0.08	5 Down early and sustained
A024569_01	At5g15650	reversibly glycosylated polypeptide-3; protein i	0	-1.22	-1.39	1.9	0.11	5 Down early and sustained
A024585_01	At3g52590	ubiquitin extension protein 1 (UBQ1); protein i	0	-0.96	-1.66	2.5	0.05	5 Down early and sustained
A024635_01	At1g79560	FtsH protease, putative; protein id: At1g79560	0	-1.28	-1.84	2.1	0.08	5 Down early and sustained
A024652_01	At1g27450	adenine phosphoribosyltransferase 1, APRT;	0	-1.10	-1.37	2.1	0.08	5 Down early and sustained
A024673_01	At3g59760	cysteine synthase; protein id: At3g59760.1	0	-1.87	-1.70	2.6	0.05	5 Down early and sustained
A024724_01	At5g60140	putative protein; protein id: At5g60140.1	0	-0.69	-1.19	1.5	0.47	5 Down early and sustained
A024785_01	At1g48610	regulatory protein HAL3B; protein id: At1g486	0	-1.50	-2.07	2.5	0.05	5 Down early and sustained
A024856_01	At1g52030	myrosinase binding protein, putative; protein ic	0	-3.03	-3.89	2.5	0.05	5 Down early and sustained
A024863_01	At5g56000	heat shock protein (emb|CAA72514.1); protei	0	-0.86	-1.40	1.5	0.60	5 Down early and sustained
A024874_01	At4g28510	prohibitin-like protein; protein id: At4g28510.1	0	-0.85	-1.37	1.2	2.11	5 Down early and sustained
A024913_01	At4g32390	putative protein; protein id: At4g32390.1	0	-0.79	-1.18	2.1	0.08	5 Down early and sustained
A025190_01	At5g38540	myrosinase binding protein-like; similar to jasr	0	-2.50	-3.87	3.2	0.05	5 Down early and sustained
A025368_01	At1g52030	myrosinase binding protein, putative; protein ic	0	-3.17	-4.97	3.4	0.05	5 Down early and sustained
A025397_01	At2g23010	putative serine carboxypeptidase I; protein id:	0	-1.30	-2.16	1.9	0.11	5 Down early and sustained
A025502_01	At1g64760	glycosyl hydrolase family 17; protein id: At1g6	0	-1.13	-1.85	1.9	0.11	5 Down early and sustained
A025542_01	At1g29310	flower pigmentation protein ATAN11; protein i	0	-0.97	-1.31	1.4	0.75	5 Down early and sustained
A025645_01	At3g11250	60S acidic ribosomal protein, putative; protein	0	-0.89	-1.36	2.6	0.05	5 Down early and sustained
A025728_01	At1g04900	expressed protein; protein id: At1g04900.1	0	-1.37	-1.72	1.8	0.23	5 Down early and sustained
A025730_01	At5g18620	chromatin remodelling complex ATPase chair	0	-1.07	-0.84	1.6	0.41	5 Down early and sustained
A025776_01	At5g39320	UDP-glucose dehydrogenase-like protein; pro	0	-1.35	-1.39	1.7	0.36	5 Down early and sustained
A025870_01	At4g14960	tubulin alpha-6 chain (TUA6); protein id: At4g	0	-0.87	-1.06	1.8	0.19	5 Down early and sustained
A025929_01	At3g49120	peroxidase, putative; protein id: At3g49120.1	0	-1.15	-1.40	1.3	1.42	5 Down early and sustained
A025958_01	At1g50010	tubulin alpha-2/alpha-4 chain, putative; protei	0	-1.31	-1.21	2.6	0.05	5 Down early and sustained
A025984_01	At1g20010	beta tubulin 1, putative; protein id: At1g20010.	0	-1.28	-1.97	1.8	0.23	5 Down early and sustained

A025990_01	At5g56030	heat shock protein 81-2 (HSP81-2) (sp|P5573	0	-1.00	-1.40	1.7	0.27	5 Down early and sustained
A026089_01	At2g37660	expressed protein; protein id: At2g37660.1	0	-0.93	-1.55	1.4	0.75	5 Down early and sustained
A002042_01	At1g49410	expressed protein; protein id: At1g49410.1	0	-1.05	-0.83	1.2	2.11	5 Down early and sustained
A010702_01	At3g16050	putative ethylene-inducible protein; protein id:	0	-1.14	-1.96	2.1	0.08	5 Down early and sustained
A012243_01	At3g03600	putative ribosomal protein S2; protein id: At3g	0	-1.05	-1.46	1.5	0.47	5 Down early and sustained
A020391_01	At4g32570	putative protein; protein id: At4g32570.1	0	-0.98	-1.01	1.4	0.75	5 Down early and sustained
A021618_01	At2g02130	plant defensin protein, putative (PDF2.3); prot	0	-1.40	-0.91	1.5	0.60	5 Down early and sustained
A021825_01	At5g66230	putative protein; protein id: At5g66230.1	0	-2.95	-2.01	2.9	0.05	5 Down early and sustained
A000015_01	At1g17560	ribosomal protein, putative; protein id: At1g17:	0	-1.60	-2.41	2.4	0.05	5 Down early and sustained
A011147_01	At3g16290	FtsH protease, putative; protein id: At3g16290	0	-0.72	-1.08	1.5	0.47	5 Down early and sustained
A015551_01	At5g04210	RRM-containing protein; protein id: At5g04210	0	-1.13	-1.57	1.7	0.27	5 Down early and sustained
A018765_01	At5g60470	putative zinc finger protein; protein id: At5g604	0	-0.84	-1.12	1.5	0.60	5 Down early and sustained
A022274_01	At4g20020	DAG-like protein; protein id: At4g20020.1	0	-0.79	-1.16	1.2	2.11	5 Down early and sustained
A000029_01	At1g78580	trehalose-6-phosphate synthase, putative; pro	0	-0.60	-1.24	1.3	1.11	6 Down progressive
A000253_01	At1g20330	sterol-C-methyltransferase; protein id: At1g20	0	-0.24	-1.27	2.4	0.05	6 Down progressive
A000970_01	At5g10330	putative histidinol-phosphate aminotransferas	0	-0.48	-1.01	1.8	0.23	6 Down progressive
A000992_01	At1g14900	linker histone protein, putative; protein id: At1g	0	-0.52	-1.36	2.5	0.05	6 Down progressive
A001012_01	At1g27360	putative squamosa-promoter binding protein 2	0	-0.38	-1.07	1.2	2.11	6 Down progressive
A001135_01	At1g35720	Ca ²⁺ -dependent membrane-binding protein a	0	-1.09	-2.77	3.9	0.05	6 Down progressive
A001165_01	At1g13280	allene oxide cyclase, putative; protein id: At1g	0	-0.55	-1.87	2.4	0.05	6 Down progressive
A001241_01	At1g64880	expressed protein; protein id: At1g64880.1	0	-0.86	-2.05	1.4	0.75	6 Down progressive
A001340_01	At1g33140	ribosomal protein L9, putative; protein id: At1g	0	-0.81	-1.89	1.9	0.08	6 Down progressive
A001355_01	At1g30795	expressed protein; protein id: At1g30795.1	0	-1.58	-3.57	5.6	0.05	6 Down progressive
A001374_01	At1g25330	helix-loop-helix protein homolog, putative; pro	0	-1.46	-4.48	5.4	0.05	6 Down progressive
A001380_01	At1g31850	unknown protein; protein id: At1g31850.1	0	-0.50	-1.73	3.1	0.05	6 Down progressive
A001387_01	At1g01300	chloroplast nucleoid DNA binding protein, puta	0	-0.82	-2.28	1.5	0.60	6 Down progressive
A001420_01	At1g27370	putative squamosa-promoter binding protein 2	0	-0.67	-1.51	1.8	0.17	6 Down progressive
A001429_01	At1g70710	glycosyl hydrolase family 9 (endo-1,4-beta-glu	0	-0.49	-2.49	2.1	0.08	6 Down progressive
A001566_01	At1g29900	carbamoylphosphate synthetase, putative; pro	0	-0.51	-1.35	1.8	0.19	6 Down progressive
A001645_01	At1g33410	unknown protein; protein id: At1g33410.1	0	-0.53	-1.20	2.0	0.08	6 Down progressive
A001745_01	At1g78210	hypothetical protein; protein id: At1g78210.1	0	-1.03	-2.12	1.5	0.60	6 Down progressive
A001758_01	At1g53000	CMP-KDO synthetase, putative; protein id: At	0	-0.51	-1.29	1.6	0.41	6 Down progressive
A001936_01	At1g20850	cysteine proteinase XCP2; protein id: At1g208	0	-0.36	-1.38	1.8	0.23	6 Down progressive
A001967_01	At1g49430	acyl CoA synthetase, putative; protein id: At1g	0	-0.59	-1.54	2.4	0.05	6 Down progressive
A001988_01	At1g27950	lipid transfer protein, putative; protein id: At1g;	0	-0.60	-1.65	2.7	0.05	6 Down progressive
A002062_01	At1g69830	putative alpha-amylase; protein id: At1g69830	0	-0.99	-1.85	1.3	1.11	6 Down progressive
A002080_01	At1g41880	ribosomal protein; protein id: At1g41880.1	0	-1.08	-2.15	3.2	0.05	6 Down progressive
A002086_01	At1g69620	60S ribosomal protein L34, putative; protein ic	0	-0.69	-1.83	2.6	0.05	6 Down progressive
A002146_01	At1g24360	putative 3-oxoacyl (acyl-carrier protein) reduct	0	-0.38	-1.42	1.8	0.19	6 Down progressive
A002647_01	At1g12330	hypothetical protein; protein id: At1g12330.1	0	-0.65	-2.03	3.5	0.05	6 Down progressive
A002787_01	At1g52300	60S ribosomal protein L37, putative; protein ic	0	-0.62	-1.94	2.7	0.05	6 Down progressive
A002842_01	At1g16340	putative 3-deoxy-D-manno-2-octulosonate-8-ph	0	-0.54	-1.49	2.0	0.08	6 Down progressive
A003154_01	At1g61870	expressed protein; protein id: At1g61870.1	0	-1.17	-2.33	5.3	0.05	6 Down progressive
A003181_01	At1g72090	expressed protein; protein id: At1g72090.1	0	-0.47	-1.15	1.5	0.60	6 Down progressive
A003294_01	At1g19570	dehydroascorbate reductase, putative; protein	0	-0.67	-1.35	2.4	0.05	6 Down progressive

A003359_01	At1g30720	FAD-linked oxidoreductase family; protein id: .	0	-0.77	-1.45	1.2	5.44	6 Down progressive
A003360_01	At1g70600	60S ribosomal protein L27A; protein id: At1g7	0	-0.54	-1.82	2.2	0.05	6 Down progressive
A003389_01	At1g68560	glycosyl hydrolase family 31 (alpha-xylosidase	0	-0.47	-2.42	2.2	0.05	6 Down progressive
A003486_01	At1g76710	unknown protein; protein id: At1g76710.1	0	-0.27	-1.23	2.5	0.05	6 Down progressive
A003617_01	At1g32930	Avr9 elicitor response protein, putative; protei	0	-0.46	-1.24	1.7	0.23	6 Down progressive
A003637_01	At1g16920	GTP binding protein, putative; protein id: At1g	0	-0.89	-2.46	3.1	0.05	6 Down progressive
A003647_01	At1g72970	expressed protein; protein id: At1g72970.1	0	-1.79	-3.75	2.6	0.05	6 Down progressive
A003660_01	At1g07770	ribosomal protein S15; protein id: At1g07770.:	0	-0.64	-1.78	3.1	0.05	6 Down progressive
A003694_01	At1g17880	transcription factor, putative; protein id: At1g1	0	-0.82	-1.62	2.9	0.05	6 Down progressive
A004242_01	At1g34030	ribosomal protein S18, putative; protein id: At1	0	-0.70	-1.38	1.6	0.41	6 Down progressive
A004284_01	At1g63290	putative D-ribulose-5-phosphate-3-epimerase	0	-1.09	-2.84	3.5	0.05	6 Down progressive
A004497_01	At1g26650	expressed protein; protein id: At1g26650.1	0	-0.54	-1.21	1.8	0.17	6 Down progressive
A004526_01	At1g64790	hypothetical protein; protein id: At1g64790.1	0	-0.63	-1.21	1.6	0.41	6 Down progressive
A004652_01	At1g67830	F12A21.4; protein id: At1g67830.1	0	-0.47	-1.84	1.2	2.11	6 Down progressive
A004684_01	At1g08830	copper/zinc superoxidase dismutase (CSD1);	0	-0.94	-2.71	3.9	0.05	6 Down progressive
A004739_01	At1g14460	hypothetical protein; protein id: At1g14460.1	0	-0.39	-1.17	1.4	1.11	6 Down progressive
A004805_01	At1g72370	putative 40S ribosomal protein SA (laminin rex	0	-0.44	-1.43	1.5	0.60	6 Down progressive
A004820_01	At1g18080	G-protein beta family; protein id: At1g18080.1	0	-0.66	-1.68	1.6	0.36	6 Down progressive
A005005_01	At5g20290	putative protein; protein id: At5g20290.1	0	-0.71	-1.87	2.3	0.05	6 Down progressive
A005012_01	At4g15920	cytochrome c oxidoreductase like protein; pro	0	-1.11	-2.18	1.3	1.11	6 Down progressive
A005160_01	At4g21960	peroxidase, putative; protein id: At4g21960.1	0	-0.24	-1.09	1.5	0.60	6 Down progressive
A005389_01	At5g27450	mevalonate kinase; protein id: At5g27450.1	0	-0.26	-1.28	1.1	5.44	6 Down progressive
A005394_01	At5g62700	tubulin beta-2/beta-3 chain (sp|P29512); prote	0	-0.60	-1.83	2.6	0.05	6 Down progressive
A005576_01	At1g75710	unknown protein; protein id: At1g75710.1	0	-0.82	-3.19	5.3	0.05	6 Down progressive
A005590_01	At4g16155	expressed protein; protein id: At4g16155.1	0	-0.80	-1.98	2.6	0.05	6 Down progressive
A005615_01	At1g32540	zinc-finger protein, putative; protein id: At1g32	0	-0.32	-1.40	2.7	0.05	6 Down progressive
A005746_01	At3g49010	60S ribosomal protein L13, BBC1 protein; pro	0	-1.01	-1.91	2.4	0.05	6 Down progressive
A005771_01	At5g27850	putative 60S ribosomal protein	0	-0.84	-1.88	3.1	0.05	6 Down progressive
A006070_01	At2g26330	putative receptor-like protein kinase, ERECTA	0	-0.80	-2.17	1.4	0.75	6 Down progressive
A006090_01	At2g02850	putative basic blue protein (plantacyanin); pro	0	-1.89	-5.16	1.8	0.19	6 Down progressive
A006100_01	At2g33370	60S ribosomal protein L23; protein id: At2g33:	0	-0.92	-2.32	3.9	0.05	6 Down progressive
A006202_01	At2g28080	putative glucosyltransferase; protein id: At2g2	0	-0.84	-1.79	2.8	0.05	6 Down progressive
A006233_01	At2g19940	putative N-acetyl-gamma-glutamyl-phosphate	0	-0.74	-1.59	1.7	0.27	6 Down progressive
A006239_01	At2g01720	putative ribophorin I; protein id: At2g01720.1	0	-0.38	-1.17	1.2	2.11	6 Down progressive
A006288_01	At2g03420	hypothetical protein; protein id: At2g03420.1	0	-0.42	-1.01	1.2	2.11	6 Down progressive
A006400_01	At2g32650	expressed protein; protein id: At2g32650.1	0	-0.47	-1.03	1.2	5.44	6 Down progressive
A006579_01	At2g22080	En/Spm-like transposon protein; protein id: At:	0	-0.23	-1.01	2.2	0.05	6 Down progressive
A006716_01	At2g17230	expressed protein; protein id: At2g17230.1	0	-0.83	-2.49	3.1	0.05	6 Down progressive
A006726_01	At2g20340	putative tyrosine decarboxylase; protein id: At:	0	-0.76	-1.45	1.4	0.75	6 Down progressive
A006781_01	At2g35780	putative serine carboxypeptidase II; protein id:	0	-0.35	-1.22	1.2	2.11	6 Down progressive
A006847_01	At2g29980	omega-3 fatty acid desaturase, endoplasmic r	0	-1.23	-2.73	2.6	0.05	6 Down progressive
A006928_01	At2g34350	nodulin-like protein; protein id: At2g34350.1	0	-0.61	-1.49	1.5	0.60	6 Down progressive
A006988_01	At2g47940	DegP2 protease; protein id: At2g47940.1	0	-0.43	-1.03	1.4	0.75	6 Down progressive
A007061_01	At2g37120	expressed protein; protein id: At2g37120.1	0	-0.85	-2.05	2.7	0.05	6 Down progressive
A007290_01	At2g01250	putative ribosomal protein L7; protein id: At2g	0	-0.70	-1.78	2.1	0.08	6 Down progressive

A007300_01	At2g44060	similar to late embryogenesis abundant protei	0	-0.48	-1.49	2.0	0.08	6 Down progressive
A007333_01	At2g29540	DNA-directed RNA polymerase 14 kDa subun	0	-0.88	-1.66	1.7	0.27	6 Down progressive
A007373_01	At2g44650	chloroplast chaperonin 10; protein id: At2g446	0	-0.43	-1.05	1.5	0.60	6 Down progressive
A007475_01	At2g05790	glycosyl hydrolase family 17; protein id: At2g0	0	-0.79	-3.99	2.5	0.05	6 Down progressive
A007627_01	At2g42220	rhodanese-like domain protein; protein id: At2	0	-0.77	-1.95	1.8	0.17	6 Down progressive
A007733_01	At2g31410	expressed protein; protein id: At2g31410.1	0	-0.21	-1.05	1.3	1.11	6 Down progressive
A007744_01	At2g27810	putative membrane transporter; protein id: At2	0	-0.46	-1.28	1.1	5.44	6 Down progressive
A007805_01	At2g31170	putative cysteinyl-tRNA synthetase; protein id:	0	-0.57	-1.11	1.2	2.11	6 Down progressive
A007815_01	At2g43550	putative trypsin inhibitor; protein id: At2g43550	0	-1.41	-2.81	2.7	0.05	6 Down progressive
A007816_01	At2g43530	putative trypsin inhibitor; protein id: At2g43530	0	-0.91	-2.35	2.6	0.05	6 Down progressive
A007949_01	At2g24090	putative chloroplast ribosomal protein L35; prc	0	-0.76	-1.51	2.0	0.08	6 Down progressive
A007975_01	At2g22420	putative peroxidase; protein id: At2g22420.1	0	-0.20	-1.03	1.4	1.11	6 Down progressive
A008017_01	At2g33800	30S ribosomal protein S5; protein id: At2g338	0	-0.40	-1.15	1.3	1.11	6 Down progressive
A008055_01	At2g02320	hypothetical protein; protein id: At2g02320.1	0	-1.23	-3.23	4.0	0.05	6 Down progressive
A008056_01	At2g38540	putative nonspecific lipid-transfer protein; prot	0	-0.83	-3.28	2.9	0.05	6 Down progressive
A008060_01	At2g05210	hypothetical protein; protein id: At2g05210.1	0	-0.48	-1.48	2.7	0.05	6 Down progressive
A008131_01	At2g03980	putative GDSL-motif lipase/hydrolase; protein	0	-0.73	-1.46	1.3	1.42	6 Down progressive
A008143_01	At2g27590	expressed protein; protein id: At2g27590.1	0	-0.44	-1.18	1.8	0.17	6 Down progressive
A008254_01	At2g34810	FAD-linked oxidoreductase family; protein id: .	0	-0.84	-2.06	1.3	1.42	6 Down progressive
A008432_01	At2g11910	expressed protein; protein id: At2g11910.1	0	-0.46	-1.04	2.2	0.05	6 Down progressive
A008445_01	At2g43030	50S ribosomal protein L3; protein id: At2g43030	0	-0.62	-1.26	1.7	0.27	6 Down progressive
A008452_01	At2g39390	60S ribosomal protein L35; protein id: At2g393	0	-0.84	-1.80	2.8	0.05	6 Down progressive
A008548_01	At2g39770	GDP-mannose pyrophosphorylase; protein id:	0	-0.41	-1.20	1.9	0.17	6 Down progressive
A008549_01	At2g05990	enoyl-ACP reductase (enr-A); protein id: At2g0	0	-1.20	-2.55	3.9	0.05	6 Down progressive
A008621_01	At2g18390	putative ADP-ribosylation factor; protein id: At	0	-0.59	-1.17	1.9	0.11	6 Down progressive
A008652_01	At2g46470	OXA1 protein (OXA1p), putative; protein id: At	0	-0.64	-1.57	2.3	0.05	6 Down progressive
A008663_01	At2g41840	40S ribosomal protein S2; protein id: At2g418	0	-0.30	-1.44	2.5	0.05	6 Down progressive
A008686_01	At2g45440	putative dihydrodipicolinate synthase; protein i	0	-0.32	-1.25	1.7	0.27	6 Down progressive
A008727_01	At2g41650	unknown protein; protein id: At2g41650.1	0	-0.95	-2.49	5.1	0.05	6 Down progressive
A008731_01	At2g28900	putative membrane channel protein; protein id	0	-0.60	-1.88	2.5	0.05	6 Down progressive
A008855_01	At2g42740	60S ribosomal protein L11B; protein id: At2g4	0	-0.46	-1.19	1.9	0.11	6 Down progressive
A008857_01	At2g32690	unknown protein; protein id: At2g32690.1	0	-1.07	-3.13	3.3	0.05	6 Down progressive
A008883_01	At3g51010	expressed protein; protein id: At3g51010.1	0	-0.80	-1.56	2.8	0.05	6 Down progressive
A008904_01	At3g62870	60S RIBOSOMAL PROTEIN L7A protein; prot	0	-0.71	-2.03	2.4	0.05	6 Down progressive
A008920_01	At3g17160	unknown protein; protein id: At3g17160.1	0	-1.16	-2.23	3.0	0.05	6 Down progressive
A008934_01	At3g20050	t-complex polypeptide 1 homologue; protein ic	0	-0.53	-1.01	1.3	1.42	6 Down progressive
A008937_01	At3g53020	60S ribosomal protein - like; protein id: At3g53	0	-0.53	-1.25	2.3	0.05	6 Down progressive
A009016_01	At3g22310	putative RNA helicase; protein id: At3g22310.	0	-0.55	-1.09	2.4	0.05	6 Down progressive
A009031_01	At3g56340	40S ribosomal protein S26 homologue; protein ic	0	-0.67	-1.60	2.9	0.05	6 Down progressive
A009087_01	At3g45140	lipoxygenase AtLOX2; protein id: At3g45140.1	0	-0.85	-2.16	2.5	0.05	6 Down progressive
A009147_01	At3g18130	protein kinase C-receptor/G-protein, putative;	0	-1.04	-2.57	4.2	0.05	6 Down progressive
A009256_01	At3g04840	putative 40S ribosomal protein S3A (S phase	0	-0.88	-1.85	2.5	0.05	6 Down progressive
A009369_01	At3g46210	putative protein; protein id: At3g46210.1	0	-0.22	-1.05	1.4	1.11	6 Down progressive
A009480_01	At3g18560	expressed protein; protein id: At3g18560.1	0	-0.57	-1.14	1.6	0.41	6 Down progressive
A009491_01	At3g30370	hypothetical protein; protein id: At3g30370.1	0	-0.51	-1.30	1.5	0.47	6 Down progressive

A009524_01	At3g11210	expressed protein; protein id: At3g11210.1	0	-0.52	-1.39	1.2	5.44	6 Down progressive
A009566_01	At3g55360	synaptic glycoprotein SC2-like protein; protein	0	-0.56	-1.33	1.9	0.11	6 Down progressive
A009568_01	At3g15640	putative cytochrome c oxidase subunit Vb; prc	0	-0.45	-1.41	1.2	2.11	6 Down progressive
A010190_01	At3g55420	putative protein; protein id: At3g55420.1	0	-0.59	-1.41	1.2	2.11	6 Down progressive
A010296_01	At3g19400	cysteine proteinase; protein id: At3g19400.1	0	-0.75	-1.48	1.7	0.27	6 Down progressive
A010320_01	At3g12390	nascent polypeptide associated complex alph	0	-0.84	-1.84	3.0	0.05	6 Down progressive
A010365_01	At3g06700	ribosomal protein L29, putative; protein id: At3	0	-0.68	-1.43	2.4	0.05	6 Down progressive
A010369_01	At3g44890	RP19 gene for chloroplast ribosomal protein C	0	-0.59	-1.27	1.9	0.11	6 Down progressive
A010393_01	At3g54400	nucleoid DNA-binding - like protein; protein id:	0	-1.32	-3.14	4.5	0.05	6 Down progressive
A010506_01	At3g54920	pectate lyase - like protein; protein id: At3g549	0	-0.34	-1.71	1.7	0.23	6 Down progressive
A010526_01	At3g55005	expressed protein; protein id: At3g55005.1	0	-0.36	-1.11	1.8	0.19	6 Down progressive
A010548_01	xxxx	b/t glycosyl transferase, putative; protein id: At	0	-0.36	-1.40	1.9	0.08	6 Down progressive
A010679_01	At3g57560	acetylglutamate kinase-like protein; protein id:	0	-0.78	-1.46	2.3	0.05	6 Down progressive
A010733_01	At3g27740	carbamoyl phosphate synthetase small subun	0	-0.86	-2.14	2.7	0.05	6 Down progressive
A010750_01	At3g49220	pectinesterase - like protein; protein id: At3g49	0	-1.04	-1.96	2.7	0.05	6 Down progressive
A011304_01	At3g21110	phosphoribosyamidoimidazole-succinocarbox	0	-0.50	-1.07	2.3	0.05	6 Down progressive
A011342_01	At3g05060	putative SAR DNA-binding protein-1; protein id:	0	-0.86	-1.62	1.6	0.41	6 Down progressive
A011396_01	At3g08740	putative elongation factor P (EF-P); protein id:	0	-0.60	-1.49	2.0	0.08	6 Down progressive
A011419_01	At3g05180	putative nodulin; protein id: At3g05180.1	0	-0.58	-1.10	1.3	1.42	6 Down progressive
A011479_01	At3g03980	putative short-chain type dehydrogenase/redu	0	-0.42	-1.08	1.6	0.47	6 Down progressive
A011548_01	At3g04290	putative GDSL-motif lipase/acylhydrolase; pro	0	-2.38	-4.84	1.8	0.19	6 Down progressive
A011650_01	At3g09200	putative 60S acidic ribosomal protein P0; prot	0	-0.57	-1.24	1.9	0.17	6 Down progressive
A011673_01	At3g09440	heat-shock protein (At-hsc70-3); protein id: At	0	-0.37	-1.38	1.2	2.11	6 Down progressive
A011689_01	At3g50060	myb DNA-binding protein (MYB77); protein id:	0	-0.37	-1.29	1.6	0.47	6 Down progressive
A011717_01	At3g11830	putative T-complex protein 1, ETA subunit; pr	0	-0.19	-1.00	1.4	0.75	6 Down progressive
A011814_01	At3g52930	fructose bisphosphate aldolase - like protein; j	0	-0.44	-1.47	1.5	0.47	6 Down progressive
A011822_01	At3g58610	ketol-acid reductoisomerase; protein id: At3g5	0	-0.52	-1.57	1.5	0.60	6 Down progressive
A011858_01	At3g54080	putative protein; protein id: At3g54080.1	0	-0.68	-1.32	2.2	0.05	6 Down progressive
A011935_01	At3g62460	putative protein; protein id: At3g62460.1	0	-0.55	-1.07	1.3	1.11	6 Down progressive
A011949_01	At3g57150	putative protein; protein id: At3g57150.1	0	-0.76	-1.86	1.8	0.19	6 Down progressive
A011986_01	xxxx	b/t hypothetical protein At3g13880.1 & myb fa	0	-0.49	-1.10	1.9	0.11	6 Down progressive
A011988_01	At3g17465	ribosomal protein L3; protein id: At3g17465.1	0	-0.53	-1.51	3.0	0.05	6 Down progressive
A012028_01	At3g16370	putative APG protein; protein id: At3g16370.1	0	-0.80	-2.77	3.4	0.05	6 Down progressive
A012039_01	At3g02560	putative 40S ribosomal protein; protein id: At3	0	-0.47	-1.80	2.5	0.05	6 Down progressive
A012080_01	At3g12610	DNA-damage-repair/toleration protein, putativ	0	-0.65	-2.84	2.6	0.05	6 Down progressive
A012131_01	At3g05560	putative 60S ribosomal protein L22; protein id:	0	-0.84	-1.83	3.0	0.05	6 Down progressive
A012185_01	At3g51160	GDP-D-mannose-4,6-dehydratase (MUR1); p	0	-0.43	-1.07	1.4	1.11	6 Down progressive
A012203_01	At3g14930	uroporphyrinogen decarboxylase, putative; prc	0	-0.30	-1.02	1.3	1.42	6 Down progressive
A012247_01	At3g25040	ER lumen retaining receptor (HDEL receptor),	0	-0.49	-1.03	1.6	0.41	6 Down progressive
A012259_01	At3g07540	expressed protein; protein id: At3g07540.1	0	-0.66	-3.32	1.5	0.47	6 Down progressive
A012309_01	At3g28500	acidic ribosomal protein P2b (rpp2b), putative	0	-0.64	-1.60	2.6	0.05	6 Down progressive
A012324_01	At3g56070	peptidylprolyl isomerase; protein id: At3g5607	0	-1.24	-2.72	4.0	0.05	6 Down progressive
A012382_01	At3g55690	putative protein; protein id: At3g55690.1	0	-0.61	-1.18	1.5	0.60	6 Down progressive
A012429_01	At3g29690	hypothetical protein; protein id: At3g29690.1	0	-1.46	-3.39	1.6	0.36	6 Down progressive
A012454_01	At3g50070	cyclin D3;3; protein id: At3g50070.1	0	-0.77	-1.91	3.5	0.05	6 Down progressive

A012493_01	At3g50100	exonuclease, putative; protein id: At3g50100.1	0	-0.83	-1.59	2.1	0.08	6 Down progressive
A012578_01	At3g25920	50S ribosomal protein L15, chloroplast precursor; protein id: At3g25920.1	0	-0.55	-1.71	1.7	0.36	6 Down progressive
A012581_01	At3g02550	expressed protein; protein id: At3g02550.1	0	-0.92	-2.66	2.2	0.05	6 Down progressive
A012590_01	At3g55280	ribosomal L23a - like protein; protein id: At3g55280.1	0	-0.74	-1.88	3.2	0.05	6 Down progressive
A012641_01	At3g25660	glutamyl-tRNA amidotransferase subunit A, putative; protein id: At3g25660.1	0	-0.44	-1.06	1.7	0.36	6 Down progressive
A012647_01	At3g16400	putative lectin; protein id: At3g16400.1	0	-0.33	-1.62	1.1	5.44	6 Down progressive
A012654_01	At3g23940	dihydroxyacid dehydratase, putative; protein id: At3g23940.1	0	-1.17	-2.39	3.1	0.05	6 Down progressive
A012700_01	At3g52500	expressed protein; protein id: At3g52500.1	0	-0.99	-2.24	3.0	0.05	6 Down progressive
A012773_01	At3g18080	glycosyl hydrolase family 1; protein id: At3g18080.1	0	-0.62	-1.96	2.1	0.05	6 Down progressive
A012796_01	At3g61820	putative protein; protein id: At3g61820.1	0	-1.08	-2.71	1.6	0.41	6 Down progressive
A012808_01	At3g20790	unknown protein; protein id: At3g20790.1	0	-0.31	-1.58	1.1	5.44	6 Down progressive
A012844_01	At3g04920	putative ribosomal protein s19 or s24; protein id: At3g04920.1	0	-0.51	-1.80	2.3	0.05	6 Down progressive
A012899_01	At4g09800	S18.A ribosomal protein; protein id: At4g09800.1	0	-0.26	-1.10	2.1	0.05	6 Down progressive
A013036_01	At4g38430	putative protein; protein id: At4g38430.1	0	-0.25	-1.20	1.6	0.41	6 Down progressive
A013047_01	At4g35630	phosphoserine aminotransferase; protein id: At4g35630.1	0	-0.63	-1.32	1.5	0.60	6 Down progressive
A013119_01	At4g31700	ribosomal protein S6 - like; protein id: At4g31700.1	0	-0.71	-2.32	2.2	0.05	6 Down progressive
A013164_01	At4g16720	ribosomal protein; protein id: At4g16720.1	0	-0.60	-1.16	1.8	0.19	6 Down progressive
A013299_01	At4g39880	putative protein; protein id: At4g39880.1	0	-0.65	-1.30	2.2	0.05	6 Down progressive
A013488_01	At4g04890	homeodomain protein, Protodermal factor2 (P2); protein id: At4g04890.1	0	-0.45	-1.41	2.1	0.05	6 Down progressive
A013606_01	At4g28660	photosystem II protein W - like; protein id: At4g28660.1	0	-0.72	-1.46	1.8	0.19	6 Down progressive
A013614_01	At4g30500	putative protein; protein id: At4g30500.1	0	-0.55	-1.22	1.7	0.27	6 Down progressive
A013658_01	At4g21150	putative protein; protein id: At4g21150.1	0	-0.43	-1.06	1.2	2.11	6 Down progressive
A013691_01	At4g09960	MADS-box protein; protein id: At4g09960.1	0	-0.85	-2.77	2.8	0.05	6 Down progressive
A013711_01	At4g15910	drought-induced protein like; protein id: At4g15910.1	0	-0.74	-2.82	1.5	0.60	6 Down progressive
A013856_01	At4g20270	leucine-rich repeat transmembrane protein kir1; protein id: At4g20270.1	0	-0.84	-2.48	1.5	0.60	6 Down progressive
A013872_01	At4g38770	extensin - like protein; protein id: At4g38770.1	0	-1.19	-2.49	2.3	0.05	6 Down progressive
A013989_01	At5g45775	expressed protein; protein id: At5g45775.2	0	-0.57	-1.82	3.0	0.05	6 Down progressive
A014075_01	At4g00490	glycosyl hydrolase family 14 (beta-amylase); protein id: At4g00490.1	0	-0.71	-1.52	2.2	0.05	6 Down progressive
A014139_01	At4g20130	hypothetical protein; protein id: At4g20130.1	0	-0.53	-1.15	1.6	0.41	6 Down progressive
A014203_01	At4g38750	hypothetical protein; protein id: At4g38750.1	0	-0.51	-1.23	1.2	2.11	6 Down progressive
A014213_01	At4g27090	ribosomal protein L14 -like protein; protein id: At4g27090.1	0	-0.66	-1.50	1.9	0.08	6 Down progressive
A014256_01	At4g10480	putative alpha NAC; protein id: At4g10480.1	0	-0.47	-1.70	1.6	0.41	6 Down progressive
A014286_01	At4g27070	tryptophan synthase beta-subunit (TSB2); protein id: At4g27070.1	0	-0.48	-1.04	1.6	0.41	6 Down progressive
A014464_01	At4g03210	xyloglucan endotransglycosylase, putative; protein id: At4g03210.1	0	-2.13	-4.64	3.7	0.05	6 Down progressive
A014600_01	At4g17520	nuclear RNA binding protein A-like protein; protein id: At4g17520.1	0	-0.33	-1.11	1.2	2.11	6 Down progressive
A014615_01	At4g25740	putative ribosomal protein S10; protein id: At4g25740.1	0	-0.69	-1.50	2.5	0.05	6 Down progressive
A014632_01	At4g34620	putative ribosomal protein S16; protein id: At4g34620.1	0	-0.63	-1.63	2.0	0.08	6 Down progressive
A014655_01	At4g14420	elicitor like protein; protein id: At4g14420.1	0	-0.64	-1.37	2.2	0.05	6 Down progressive
A014750_01	At4g39330	cinnamyl-alcohol dehydrogenase CAD1; protein id: At4g39330.1	0	-1.18	-2.77	2.8	0.05	6 Down progressive
A014771_01	At4g00100	putative ribosomal protein S13; protein id: At4g00100.1	0	-0.49	-1.34	1.8	0.19	6 Down progressive
A014904_01	At4g02150	AtKAP alpha; protein id: At4g02150.1	0	-0.57	-1.07	1.9	0.17	6 Down progressive
A015072_01	At4g39200	ribosomal protein S25; protein id: At4g39200.1	0	-0.36	-1.61	2.3	0.05	6 Down progressive
A015077_01	At4g26110	nucleosome assembly protein I-like protein; protein id: At4g26110.1	0	-0.46	-1.07	1.8	0.23	6 Down progressive
A015095_01	At4g23820	polygalacturonase, putative; protein id: At4g23820.1	0	-0.80	-3.37	1.6	0.47	6 Down progressive
A015126_01	At4g16660	HSP like protein; protein id: At4g16660.1	0	-0.57	-1.16	1.1	5.44	6 Down progressive

A015147_01	At4g07410	unknown protein; protein id: At4g07410.1	0	-0.40	-1.05	1.2	2.11	6 Down progressive
A015181_01	At4g31460	putative protein; protein id: At4g31460.1	0	-0.57	-1.18	2.4	0.05	6 Down progressive
A015242_01	At4g33260	fizzy-related (FZR), putative; protein id: At4g3:	0	-1.39	-2.83	1.6	0.36	6 Down progressive
A015286_01	At4g31985	expressed protein; protein id: At4g31985.1	0	-0.77	-1.52	2.7	0.05	6 Down progressive
A015294_01	At4g19985	expressed protein; protein id: At4g19985.1	0	-0.23	-1.01	1.3	1.42	6 Down progressive
A015302_01	At4g18730	ribosomal protein L11, cytosolic; protein id: At:	0	-0.37	-1.47	2.3	0.05	6 Down progressive
A015464_01	At4g37240	putative protein; protein id: At4g37240.1	0	-0.59	-1.99	2.5	0.05	6 Down progressive
A015524_01	At5g08280	hydroxymethylbilane synthase; protein id: At5g:	0	-0.62	-1.18	1.5	0.60	6 Down progressive
A015797_01	At5g39410	expressed protein; protein id: At5g39410.1	0	-0.40	-1.15	1.3	1.11	6 Down progressive
A015837_01	At5g62230	putative protein; protein id: At5g62230.1	0	-0.85	-1.85	1.8	0.19	6 Down progressive
A015840_01	At5g62290	putative protein; protein id: At5g62290.1	0	-0.51	-1.24	1.9	0.11	6 Down progressive
A015841_01	At5g20070	putative protein; protein id: At5g20070.1	0	-0.26	-1.02	1.4	0.75	6 Down progressive
A015940_01	At5g60200	Dof zinc finger protein; protein id: At5g60200.:	0	-0.77	-1.78	1.9	0.11	6 Down progressive
A015948_01	At5g51750	subtilisin-like serine protease; protein id: At5g:	0	-1.74	-3.81	1.7	0.23	6 Down progressive
A015982_01	At5g10360	40S ribosomal protein S6; protein id: At5g1036	0	-0.51	-1.73	2.7	0.05	6 Down progressive
A015995_01	At5g61020	putative protein; protein id: At5g61020.1	0	-0.36	-1.25	1.7	0.23	6 Down progressive
A016175_01	At5g65010	asparagine synthetase (gb|AAC72837.1); prot	0	-1.33	-2.86	3.3	0.05	6 Down progressive
A016187_01	At5g62300	ribosomal protein S20 - like; protein id: At5g6:	0	-0.68	-1.89	2.2	0.05	6 Down progressive
A016198_01	At5g19780	tubulin alpha-5 chain; protein id: At5g19780.1	0	-0.45	-1.53	1.3	1.11	6 Down progressive
A016285_01	At5g48230	acetyl-CoA C-acetyltransferase; protein id: At:	0	-0.27	-1.08	1.9	0.17	6 Down progressive
A016376_01	At5g56360	calmodulin-binding protein; protein id: At5g56:	0	-0.69	-1.56	2.2	0.05	6 Down progressive
A016453_01	At5g47210	putative protein; protein id: At5g47210.1	0	-0.44	-1.57	1.5	0.47	6 Down progressive
A016466_01	At5g01090	lectin - like protein; protein id: At5g01090.1	0	-0.52	-1.36	2.3	0.05	6 Down progressive
A016676_01	At5g02540	putative protein; protein id: At5g02540.1	0	-0.93	-2.52	2.2	0.05	6 Down progressive
A016860_01	At5g09760	pectin methylesterase - like protein; protein id	0	-0.79	-1.81	1.2	2.11	6 Down progressive
A016977_01	At5g50790	MtN3-like protein; protein id: At5g50790.1	0	-0.32	-1.39	2.8	0.05	6 Down progressive
A017010_01	At5g02960	putative protein; protein id: At5g02960.1	0	-0.51	-1.55	2.1	0.08	6 Down progressive
A017015_01	At5g17870	plastid-specific ribosomal protein 6 precursor	0	-0.54	-1.33	1.7	0.36	6 Down progressive
A017016_01	At5g02450	60S ribosomal protein - like; protein id: At5g0:	0	-0.53	-2.07	3.3	0.05	6 Down progressive
A017022_01	At5g41050	expressed protein; protein id: At5g41050.1	0	-0.21	-1.01	1.8	0.23	6 Down progressive
A017026_01	At5g17770	NADH-cytochrome b5 reductase; protein id: A	0	-0.57	-1.10	1.5	0.60	6 Down progressive
A017038_01	At5g26000	glycosyl hydrolase family 1, myrosinase precu	0	-0.80	-4.01	5.0	0.05	6 Down progressive
A017048_01	At5g52650	putative protein; protein id: At5g52650.1	0	-0.66	-1.69	3.0	0.05	6 Down progressive
A017049_01	At5g14210	leucine-rich repeat transmembrane protein kir	0	-0.56	-1.56	2.8	0.05	6 Down progressive
A017063_01	At5g08620	DEAD/DEAH box RNA helicase, putative	0	-0.90	-1.83	2.5	0.05	6 Down progressive
A017088_01	At5g15350	putative protein; protein id: At5g15350.1	0	-0.95	-1.99	2.6	0.05	6 Down progressive
A017092_01	At5g15230	GASA4; protein id: At5g15230.1	0	-1.02	-2.87	4.3	0.05	6 Down progressive
A017095_01	At5g58960	putative protein; protein id: At5g58960.1	0	-0.80	-1.67	1.9	0.11	6 Down progressive
A017207_01	At5g55220	trigger factor-like protein; protein id: At5g5522	0	-0.66	-1.25	1.3	1.42	6 Down progressive
A017293_01	At5g03740	histone deacetylase -like protein; protein id: A:	0	-0.61	-1.45	1.6	0.41	6 Down progressive
A017466_01	At5g11640	TITL putative protein; protein id: At5g11640.1	0	-0.54	-1.15	1.8	0.19	6 Down progressive
A017657_01	At5g45930	magnesium chelatase subunit of protochlorophy	0	-0.68	-1.31	1.4	1.11	6 Down progressive
A017659_01	At5g44730	Dreg-2 like protein; protein id: At5g44730.1	0	-0.46	-1.15	1.9	0.11	6 Down progressive
A017701_01	At5g47930	putative ribosomal protein S27:AT5g47930	0	-0.86	-1.66	2.5	0.05	6 Down progressive
A017714_01	At5g47500	pectinesterase family; protein id: At5g47500.1	0	-0.74	-3.58	2.5	0.05	6 Down progressive

A017768_01	At5g13120	peptidyl-prolyl isomerase protein; protein id: A	0	-0.62	-1.27	1.4	1.11	6 Down progressive
A017808_01	At5g51820	phosphoglucosyltransferase (emb|CAB64725.1); p	0	-0.45	-1.17	1.3	1.42	6 Down progressive
A017837_01	At5g09650	inorganic pyrophosphatase - like protein; prote	0	-0.71	-1.38	1.8	0.23	6 Down progressive
A017894_01	At5g02870	60S ribosomal protein - like; protein id: At5g02	0	-1.22	-2.21	3.4	0.05	6 Down progressive
A017972_01	At5g50000	protein kinase; protein id: At5g50000.1	0	-0.23	-1.14	1.9	0.11	6 Down progressive
A018028_01	At5g39740	ribosomal protein L5 - like; protein id: At5g397	0	-0.45	-1.77	1.8	0.17	6 Down progressive
A018042_01	At5g66860	putative protein; protein id: At5g66860.1	0	-0.44	-1.07	2.3	0.05	6 Down progressive
A018071_01	At5g46700	senescence-associated protein 5-like protein;	0	-0.94	-1.97	1.5	0.60	6 Down progressive
A018277_01	At5g08180	nhp2-like protein; protein id: At5g08180.1	0	-0.94	-1.95	3.3	0.05	6 Down progressive
A018297_01	At5g47190	putative protein; protein id: At5g47190.1	0	-0.68	-1.40	1.6	0.41	6 Down progressive
A018343_01	At5g57280	protein carboxyl methylase-like; protein id: At5	0	-0.43	-1.29	2.7	0.05	6 Down progressive
A018506_01	At5g16070	TCP-1 chaperonin-like protein; protein id: At5g	0	-0.66	-1.89	3.0	0.05	6 Down progressive
A018635_01	At5g61980	GCN4-complementing protein - like; protein id	0	-0.21	-1.14	1.7	0.27	6 Down progressive
A018662_01	At5g35540	putative protein; protein id: At5g35540.1	0	-1.09	-2.02	2.2	0.05	6 Down progressive
A018840_01	At5g40950	50S ribosomal protein L27; protein id: At5g409	0	-0.31	-1.08	1.3	1.42	6 Down progressive
A018869_01	At5g60670	60S ribosomal protein L12 - like; protein id: At	0	-0.76	-2.74	2.1	0.08	6 Down progressive
A018915_01	At5g65440	putative protein; protein id: At5g65440.1	0	-0.69	-2.03	2.6	0.05	6 Down progressive
A019145_01	At5g22740	glucosyltransferase-like protein; protein id: At5	0	-0.57	-2.45	3.5	0.05	6 Down progressive
A019187_01	At5g60960	putative protein; protein id: At5g60960.1	0	-0.58	-1.45	1.9	0.17	6 Down progressive
A019261_01	At5g55230	putative protein; protein id: At5g55230.1	0	-0.70	-1.33	2.0	0.08	6 Down progressive
A019305_01	At5g37300	putative protein; protein id: At5g37300.1	0	-0.87	-3.35	2.2	0.05	6 Down progressive
A019324_01	At5g23310	iron superoxide dismutase (FSD3); protein id:	0	-0.96	-2.03	2.5	0.05	6 Down progressive
A019480_01	At3g57490	40S ribosomal protein S2 homolog; protein id:	0	-0.77	-1.78	2.6	0.05	6 Down progressive
A019485_01	At3g46970	starch phosphorylase, putative; protein id: At3	0	-0.60	-1.59	1.4	1.11	6 Down progressive
A019517_01	At4g18030	putative protein; protein id: At4g18030.1	0	-0.63	-1.19	1.6	0.41	6 Down progressive
A019538_01	At4g33790	male sterility 2-like protein; protein id: At4g337	0	-1.09	-2.69	1.3	1.42	6 Down progressive
A019641_01	At3g28900	60S ribosomal protein L34, putative; protein ic	0	-0.82	-2.05	2.7	0.05	6 Down progressive
A019710_01	At5g23900	60S ribosomal protein L13; protein id: At5g239	0	-0.35	-1.84	2.0	0.08	6 Down progressive
A019741_01	At5g01240	LAX1 / AUX1 -like permease; protein id: At5g0	0	-0.34	-1.34	1.8	0.19	6 Down progressive
A019748_01	At1g70370	aromatic rich glycoprotein, putative; protein id:	0	-0.93	-2.97	1.6	0.47	6 Down progressive
A019761_01	At1g04680	putative pectate lyase A11; protein id: At1g046	0	-0.70	-2.02	3.0	0.05	6 Down progressive
A019828_01	At2g29390	putative C-4 sterol methyl oxidase; protein id:	0	-0.41	-1.06	1.3	1.42	6 Down progressive
A019834_01	At2g35120	glycine decarboxylase complex H-protein; pro	0	-0.48	-1.11	1.7	0.23	6 Down progressive
A019858_01	At2g39010	putative aquaporin (water channel protein); pr	0	-0.42	-1.43	2.1	0.05	6 Down progressive
A019882_01	At2g20490	expressed protein; protein id: At2g20490.1	0	-0.74	-1.57	2.4	0.05	6 Down progressive
A019885_01	At2g21580	40S ribosomal protein S25; protein id: At2g21	0	-0.71	-1.39	2.4	0.05	6 Down progressive
A019887_01	At2g36160	40S ribosomal protein S14; protein id: At2g36	0	-0.66	-1.63	2.9	0.05	6 Down progressive
A019991_01	At1g73230	putative transcription factor BTF3 (RNA polym	0	-0.79	-1.46	2.6	0.05	6 Down progressive
A020012_01	At4g26590	isp4 like protein; protein id: At4g26590.1	0	-0.81	-2.07	1.3	1.42	6 Down progressive
A020014_01	At2g45470	fasciclin-like arabinogalactan-protein (FLA8);	0	-1.13	-2.26	3.1	0.05	6 Down progressive
A020016_01	At4g17460	homeobox-leucine zipper protein HAT1 (HD-Z	0	-0.67	-2.02	2.8	0.05	6 Down progressive
A020039_01	xxxx	b/t hypothetical protein; protein id: At3g02510.	0	-0.74	-1.65	2.4	0.05	6 Down progressive
A020071_01	At1g22990	copper chaperone (CCH)-related; protein id: A	0	-0.61	-1.82	1.8	0.17	6 Down progressive
A020086_01	At2g39460	60S ribosomal protein L23A; protein id: At2g3	0	-0.71	-1.54	2.7	0.05	6 Down progressive
A020197_01	At4g01310	putative L5 ribosomal protein; protein id: At4g	0	-0.68	-1.31	1.4	1.11	6 Down progressive

A020300_01	At1g22780	putative 40S ribosomal protein S18; protein id	0	-0.46	-2.00	2.7	0.05	6 Down progressive
A020303_01	At5g19510	elongation factor 1B alpha-subunit; protein id:	0	-0.30	-1.58	1.6	0.36	6 Down progressive
A020314_01	At2g28190	copper/zinc superoxide dismutase (CSD2); pr	0	-1.40	-3.70	1.7	0.27	6 Down progressive
A020340_01	At3g43980	ribosomal S29 -like protein; protein id: At3g43	0	-0.77	-1.62	3.0	0.05	6 Down progressive
A020349_01	At3g26060	putative peroxiredoxin; protein id: At3g26060.	0	-0.54	-1.91	1.5	0.60	6 Down progressive
A020381_01	At5g28060	40S ribosomal protein S19 - like; protein id: At	0	-0.82	-2.06	2.5	0.05	6 Down progressive
A020390_01	At2g22500	mitochondrial carrier protein family; protein id:	0	-0.73	-1.36	1.1	5.44	6 Down progressive
A020428_01	At1g17840	ABC transporter family protein; protein id: At1	0	-0.31	-1.10	1.3	1.42	6 Down progressive
A020440_01	At5g46430	ribosomal protein L32; protein id: At5g46430.1	0	-0.46	-1.32	2.0	0.08	6 Down progressive
A020550_01	At3g07110	putative 60S ribosomal protein L13A; protein i	0	-0.66	-1.88	2.4	0.05	6 Down progressive
A020557_01	At5g23740	40S ribosomal protein S11; protein id: At5g23	0	-0.62	-1.33	1.6	0.36	6 Down progressive
A020599_01	At1g79500	2-dehydro-3-deoxyphosphooctonate aldolase,	0	-1.01	-2.03	2.5	0.05	6 Down progressive
A020643_01	At4g28050	senescence-associated protein -like; protein ic	0	-0.76	-1.90	1.3	1.42	6 Down progressive
A020689_01	At3g44750	putative histone deacetylase; protein id: At3g4	0	-1.60	-2.88	4.9	0.05	6 Down progressive
A020697_01	At1g78630	ribosomal protein L13, putative; protein id: At1	0	-0.45	-1.32	1.5	0.60	6 Down progressive
A020704_01	At1g02205	hypothetical protein; protein id: At1g02205.1	0	-0.59	-1.56	1.6	0.36	6 Down progressive
A020733_01	At5g47770	farnesyl pyrophosphate synthetase 1 (FPS1) (	0	-0.93	-1.95	2.3	0.05	6 Down progressive
A020735_01	At4g02500	putative glycosyltransferase; protein id: At4g0:	0	-0.63	-1.85	2.1	0.08	6 Down progressive
A020797_01	At5g52470	fibrillarin 1 AtFib1/SKIP7; protein id: At5g5247	0	-0.46	-1.24	2.3	0.05	6 Down progressive
A020835_01	At1g29070	plastid ribosomal protein L34 precursor, putati	0	-0.53	-1.27	1.5	0.60	6 Down progressive
A020842_01	At1g04270	putative 40S ribosomal protein S15; protein id	0	-0.76	-1.53	2.9	0.05	6 Down progressive
A020910_01	At5g13710	24-sterol C-methyltransferase; protein id: At5g	0	-0.33	-1.61	2.5	0.05	6 Down progressive
A020919_01	At3g25860	dihydrolipoamide S-acetyltransferase; protein	0	-0.87	-2.22	2.8	0.05	6 Down progressive
A020930_01	At1g48750	lipid transfer protein, putative; protein id: At1g.	0	-0.58	-3.06	4.3	0.05	6 Down progressive
A020974_01	At5g43270	squamosa promoter binding protein-like 2 (err	0	-0.58	-1.57	2.0	0.08	6 Down progressive
A020978_01	At3g20210	vacuolar processing enzyme/asparaginyl endo	0	-1.45	-2.96	2.2	0.05	6 Down progressive
A020998_01	At2g47610	60S ribosomal protein L7A; protein id: At2g47	0	-0.76	-1.67	2.4	0.05	6 Down progressive
A020999_01	At1g58380	ribosomal protein S2, putative; protein id: At1g	0	-0.61	-1.40	2.0	0.08	6 Down progressive
A021037_01	At4g12420	pectinesterase (pectin methylesterase) family;	0	-0.66	-2.03	1.8	0.17	6 Down progressive
A021044_01	At4g24780	putative pectate lyase; protein id: At4g24780.1	0	-1.13	-2.27	2.1	0.08	6 Down progressive
A021049_01	At2g27720	60S acidic ribosomal protein P2; protein id: At	0	-0.55	-1.50	2.1	0.08	6 Down progressive
A021100_01	At1g02780	ribosomal protein L19, putative; protein id: At1	0	-0.63	-1.26	1.8	0.17	6 Down progressive
A021222_01	At3g62250	ubiquitin extension protein (UBQ5); protein id:	0	-0.58	-1.52	2.3	0.05	6 Down progressive
A021233_01	At3g59540	60S RIBOSOMAL PROTEIN L38-like protein;	0	-0.79	-1.58	2.4	0.05	6 Down progressive
A021252_01	At3g45030	40S ribosomal protein; protein id: At3g45030	0	-0.50	-1.45	2.3	0.05	6 Down progressive
A021253_01	At5g15200	40S ribosomal protein - like; protein id: At5g15	0	-0.66	-2.25	2.2	0.05	6 Down progressive
A021261_01	At4g36130	putative ribosomal protein L8; protein id: At4g;	0	-0.37	-1.55	1.8	0.19	6 Down progressive
A021274_01	At4g26230	putative ribosomal protein; protein id: At4g262	0	-0.46	-1.65	2.7	0.05	6 Down progressive
A021293_01	At4g29770	expressed protein; protein id: At4g29770.1	0	-0.75	-1.49	2.6	0.05	6 Down progressive
A021303_01	At3g47370	40S ribosomal protein S20-like protein; proteir	0	-0.68	-1.28	1.5	0.60	6 Down progressive
A021344_01	At5g07090	40S ribosomal protein S4; protein id: At5g070	0	-0.43	-1.85	1.8	0.19	6 Down progressive
A021389_01	At3g18740	60S ribosomal protein, putative; protein id: At	0	-0.88	-1.73	2.6	0.05	6 Down progressive
A021434_01	At5g45750	putative Rab-type small GTP-binding protein	0	-0.75	-1.76	2.6	0.05	6 Down progressive
A021472_01	At5g43640	40S ribosomal protein S15; protein id: At5g43	0	-0.52	-1.04	1.2	2.11	6 Down progressive
A021494_01	At5g40130	60S RIBOSOMAL PROTEIN L5 -like; protein i	0	-0.69	-1.58	3.0	0.05	6 Down progressive

A021497_01	At5g56670	40S ribosomal protein S30 homolog (emb|CA	0	-0.96	-2.02	3.9	0.05	6 Down progressive
A021500_01	At5g47700	60S acidic ribosomal protein P1-like protein; p	0	-0.74	-1.49	2.6	0.05	6 Down progressive
A021510_01	At5g58420	ribosomal protein S4 - like; protein id: At5g584	0	-0.72	-1.97	2.7	0.05	6 Down progressive
A021517_01	At5g09510	ribosomal protein S15-like; protein id: At5g095	0	-0.55	-1.21	1.7	0.27	6 Down progressive
A021539_01	At1g29410	phosphoribosylanthranilate isomerase; proteir	0	-0.28	-1.03	1.8	0.23	6 Down progressive
A021577_01	At1g01100	acidic ribosomal protein, putative; protein id: A	0	-0.58	-1.50	2.8	0.05	6 Down progressive
A021593_01	At2g29310	putative tropinone reductase; protein id: At2g2	0	-0.26	-1.41	1.2	1.42	6 Down progressive
A021601_01	At2g37600	60S ribosomal protein L36; protein id: At2g376	0	-0.63	-1.64	2.8	0.05	6 Down progressive
A021647_01	At2g20450	60S ribosomal protein L14; protein id: At2g204	0	-0.66	-1.39	2.5	0.05	6 Down progressive
A021701_01	At1g27400	putative 60S ribosomal protein L17; protein id:	0	-0.94	-1.91	3.3	0.05	6 Down progressive
A021712_01	At1g3135	pseudogene, putative 60s ribosomal protein; p	0	-0.89	-2.04	3.1	0.05	6 Down progressive
A021730_01	At3g06680	ribosomal protein L29, putative; protein id: At3	0	-0.97	-1.82	3.2	0.05	6 Down progressive
A021771_01	At3g02190	putative ribosomal protein L39; protein id: At3	0	-0.58	-1.55	3.2	0.05	6 Down progressive
A021782_01	At3g09500	putative 60S ribosomal protein L35; protein id:	0	-0.55	-1.56	2.5	0.05	6 Down progressive
A021802_01	At4g29410	putative protein; protein id: At4g29410.1	0	-1.05	-2.22	3.1	0.05	6 Down progressive
A021803_01	At3g44010	ribosomal protein S29 - like; protein id: At3g44	0	-0.56	-1.05	1.9	0.11	6 Down progressive
A021856_01	At2g32060	40S ribosomal protein S12; protein id: At2g32	0	-0.37	-1.27	2.4	0.05	6 Down progressive
A021857_01	At5g56710	60S ribosomal protein L31; protein id: At5g567	0	-0.61	-1.75	3.3	0.05	6 Down progressive
A021884_01	At1g23290	60s ribosomal protein l27a.; protein id: At1g23	0	-0.69	-1.91	2.9	0.05	6 Down progressive
A021889_01	At5g02610	ribosomal protein L35 - like; protein id: At5g02	0	-0.41	-1.32	2.2	0.05	6 Down progressive
A021903_01	At3g61640	arabinogalactan-protein (AGP20); protein id: A	0	-0.48	-1.08	1.4	1.11	6 Down progressive
A021905_01	At3g53740	60S RIBOSOMAL PROTEIN L36 homolog; pr	0	-0.46	-1.22	1.9	0.17	6 Down progressive
A021931_01	At3g14600	putative 60S ribosomal protein L18A; protein i	0	-0.76	-1.88	2.5	0.05	6 Down progressive
A021933_01	At2g19750	40S ribosomal protein S30; protein id: At2g19	0	-0.54	-1.05	2.3	0.05	6 Down progressive
A021950_01	At3g53430	60S RIBOSOMAL PROTEIN L12 -like; proteir	0	-0.42	-1.26	2.1	0.05	6 Down progressive
A021961_01	At2g36170	ubiquitin extension protein (UBQ2); protein id:	0	-0.83	-1.69	2.9	0.05	6 Down progressive
A021971_01	At5g35530	40S ribosomal protein S3; protein id: At5g355	0	-0.36	-1.20	1.6	0.36	6 Down progressive
A021982_01	At2g44120	60S ribosomal protein L7; protein id: At2g441	0	-0.47	-2.21	2.8	0.05	6 Down progressive
A021992_01	At2g27710	60S acidic ribosomal protein P2; protein id: At	0	-0.82	-1.75	2.3	0.05	6 Down progressive
A021994_01	At1g74060	putative 60S ribosomal protein L6; protein id: ,	0	-0.44	-1.08	1.6	0.47	6 Down progressive
A021997_01	At5g16130	40S ribosomal protein S7-like; protein id: At5g	0	-0.57	-2.44	2.7	0.05	6 Down progressive
A022010_01	At4g18100	ribosomal protein L32 -like protein; protein id:	0	-0.89	-2.13	2.8	0.05	6 Down progressive
A022018_01	At3g52580	putative ribosomal protein S14; protein id: At3	0	-0.65	-1.41	2.1	0.05	6 Down progressive
A022021_01	At3g11940	40S ribosomal protein S5, putative; protein id:	0	-0.86	-2.08	3.0	0.05	6 Down progressive
A022026_01	At4g15000	ribosomal protein; protein id: At4g15000.1	0	-0.69	-2.03	2.6	0.05	6 Down progressive
A022044_01	At3g25520	ribosomal protein, putative; protein id: At3g255	0	-0.59	-2.05	2.2	0.05	6 Down progressive
A022107_01	At4g34670	Putative S-phase-specific ribosomal protein; p	0	-0.51	-1.69	2.4	0.05	6 Down progressive
A022202_01	At3g60450	putative protein; protein id: At3g60450.1	0	-0.40	-1.13	1.4	1.11	6 Down progressive
A022225_01	At3g50280	anthranilate N-hydroxycinnamoyl/benzoyltrans	0	-0.56	-2.26	1.4	1.11	6 Down progressive
A022790_01	At5g41370	DNA excision repair cross-complementing prc	0	-0.34	-1.12	1.5	0.60	6 Down progressive
A022821_01	At5g53720	RRM-containing protein; protein id: At5g53720	0	-1.74	-3.80	4.9	0.05	6 Down progressive
A022844_01	At5g43080	cyclin A3;1; protein id: At5g43080.1	0	-0.35	-1.62	2.2	0.05	6 Down progressive
A022919_01	At5g61170	40S ribosomal protein S19 - like; protein id: At5	0	-1.04	-1.88	2.8	0.05	6 Down progressive
A022990_01	At5g38590	putative protein; protein id: At5g38590.1	0	-0.90	-2.08	2.6	0.05	6 Down progressive
A023137_01	At5g06110	cell division related protein-like; protein id: At5	0	-0.29	-1.15	1.5	0.47	6 Down progressive

A023347_01	At2g40590	40S ribosomal protein S26; protein id: At2g40	0	-0.48	-1.31	2.0	0.08	6 Down progressive
A023457_01	At2g19720	40S ribosomal protein S15A; protein id: At2g1	0	-0.56	-1.72	2.0	0.08	6 Down progressive
A023476_01	At2g45970	cytochrome P450, putative; protein id: At2g45	0	-0.71	-1.94	3.2	0.05	6 Down progressive
A023824_01	At1g50660	unknown protein; protein id: At1g50660.1	0	-0.38	-1.09	1.2	2.11	6 Down progressive
A024051_01	At3g05230	expressed protein; protein id: At3g05230.1	0	-0.80	-1.44	1.3	1.11	6 Down progressive
A024101_01	At1g08210	expressed protein; protein id: At1g08210.1	0	-0.46	-1.11	1.6	0.36	6 Down progressive
A024105_01	At2g27530	60S ribosomal protein L10A; protein id: At2g2	0	-0.90	-1.76	2.7	0.05	6 Down progressive
A024215_01	At4g36250	aldehyde dehydrogenase like protein; protein	0	-0.71	-1.38	2.4	0.05	6 Down progressive
A024310_01	At2g47110	ubiquitin extension protein (UBQ6); protein id:	0	-0.72	-1.78	2.4	0.05	6 Down progressive
A024311_01	At2g19620	putative SF21 protein {Helianthus annuus}; pr	0	-0.99	-1.95	3.1	0.05	6 Down progressive
A024342_01	At1g29470	unknown protein; protein id: At1g29470.1	0	-0.65	-1.34	1.2	2.11	6 Down progressive
A024343_01	At1g56110	SAR DNA binding protein, putative; protein id:	0	-1.00	-1.95	1.9	0.11	6 Down progressive
A024361_01	At2g31610	40S ribosomal protein S3, putative; protein id:	0	-0.49	-1.84	2.0	0.08	6 Down progressive
A024392_01	At2g40510	40S ribosomal protein S26; protein id: At2g40	0	-0.62	-1.27	2.1	0.05	6 Down progressive
A024410_01	At3g60770	ribosomal protein S13 -like; protein id: At3g60	0	-0.50	-1.50	1.9	0.11	6 Down progressive
A024443_01	At2g25210	60S ribosomal protein L39; protein id: At2g25;	0	-0.70	-1.77	3.5	0.05	6 Down progressive
A024521_01	At1g17200	expressed protein; protein id: At1g17200.1	0	-0.40	-1.91	3.4	0.05	6 Down progressive
A024531_01	At1g36160	hypothetical protein; protein id: At1g36160.1	0	-0.27	-1.09	1.2	1.42	6 Down progressive
A024562_01	At1g43170	ribosomal protein; protein id: At1g43170.1	0	-0.47	-1.65	2.2	0.05	6 Down progressive
A024586_01	At1g19920	sulfate adenylyltransferase; protein id: At1g19	0	-0.32	-1.63	2.4	0.05	6 Down progressive
A024630_01	At1g18540	60S ribosomal protein L6, putative; protein id:	0	-0.94	-1.88	2.2	0.05	6 Down progressive
A024637_01	At1g48830	40S ribosomal protein S7 homolog, putative; p	0	-0.73	-1.66	2.8	0.05	6 Down progressive
A024644_01	At3g49910	60S RIBOSOMAL PROTEIN - like; protein id:	0	-0.54	-1.68	1.7	0.23	6 Down progressive
A024647_01	At3g28860	multidrug resistance P-glycoprotein, putative;	0	-0.92	-2.57	1.5	0.60	6 Down progressive
A024725_01	At5g50150	putative protein; protein id: At5g50150.1	0	-0.47	-2.25	3.6	0.05	6 Down progressive
A024978_01	At4g01560	expressed protein; protein id: At4g01560.1	0	-0.61	-1.17	2.2	0.05	6 Down progressive
A025085_01	At5g11230	putative protein; protein id: At5g11230.1	0	-0.79	-1.69	1.8	0.23	6 Down progressive
A025479_01	At2g42580	expressed protein; protein id: At2g42580.1	0	-0.33	-1.22	1.7	0.36	6 Down progressive
A025900_01	At1g71890	putative sucrose transport protein; protein id: ;	0	-0.31	-1.40	2.0	0.08	6 Down progressive
A025969_01	At3g09630	putative 60S ribosomal protein L1; protein id: ;	0	-0.61	-1.63	2.1	0.08	6 Down progressive
A004129_01	At1g33475	similar to RRM-containing protein; protein id: ;	0	-0.70	-1.71	1.2	2.11	6 Down progressive
A005189_01	At1g76405	auxin-regulated protein; protein id: At1g76405	0	-0.71	-1.64	1.6	0.41	6 Down progressive
A007839_01	At2g43270	putative myb-related transcription factor; prote	0	-0.74	-1.67	1.2	2.11	6 Down progressive
A012676_01	At3g43720	lipid-transfer protein-like protein; protein id: At	0	-0.54	-1.13	1.2	2.11	6 Down progressive
A016737_01	At5g11630	putative protein; protein id: At5g11630.1	0	-0.60	-1.36	2.0	0.08	6 Down progressive
A017675_01	At5g42060	putative protein; protein id: At5g42060.1	0	-0.57	-1.52	1.7	0.27	6 Down progressive
A019735_01	At5g62070	putative protein; protein id: At5g62070.1	0	-0.65	-1.17	1.2	2.11	6 Down progressive
A009204_01	At3g55110	ABC transporter family protein; protein id: At3;	0	-0.45	-1.86	2.3	0.05	6 Down progressive
A009718_01	At3g24830	60S ribosomal protein, putative; protein id: At;	0	-0.45	-1.71	2.6	0.05	6 Down progressive
A013881_01	At4g32270	compared to genome	0	-0.87	-1.58	1.7	0.36	6 Down progressive
A019001_01	At5g22440	60S ribosomal protein L10A; protein id: At5g2	0	-0.73	-2.10	2.7	0.05	6 Down progressive
A001129_01	At1g78370	glutathione transferase, putative; protein id: At	0	-2.57	-0.56	1.8	0.19	7 Down early and transient
A002142_01	At1g56450	20S proteasome beta subunit G1 (PBG1); pro	0	-1.00	-0.63	1.1	5.44	7 Down early and transient
A002437_01	At1g75390	bZIP transcription factor ATB2, putative; prote	0	-1.30	-0.47	1.2	2.11	7 Down early and transient
A002988_01	At1g04220	putative beta-ketoacyl-CoA synthase; protein i	0	-1.64	-0.44	1.2	5.44	7 Down early and transient

A004549_01	xxxx	b/t hypothetical protein; protein id: At1g30670.	0	-1.62	-0.72	2.6	0.05	7 Down early and transient
A005195_01	At3g55440	cytosolic triosephosphatisomerase; protein id:	0	-1.26	-0.81	1.6	0.36	7 Down early and transient
A006197_01	At2g01610	unknown protein; protein id: At2g01610.1	0	-1.61	0.32	2.2	0.05	7 Down early and transient
A007428_01	At2g16990	putative tetracycline transporter protein; protei	0	-1.21	-0.46	1.3	1.42	7 Down early and transient
A008753_01	At2g41950	hypothetical protein; protein id: At2g41950.1	0	-1.35	-0.75	1.5	0.47	7 Down early and transient
A009255_01	At3g22240	expressed protein; protein id: At3g22240.1	0	-1.11	-0.26	1.8	0.19	7 Down early and transient
A009949_01	At3g54640	tryptophan synthase alpha chain; protein id: A	0	-1.35	-0.75	1.5	0.60	7 Down early and transient
A010541_01	At3g17070	peroxidase, putative; protein id: At3g17070.1	0	-1.39	-0.33	1.4	0.75	7 Down early and transient
A011606_01	At3g55120	chalcone isomerase; protein id: At3g55120.1	0	-2.09	-1.12	2.3	0.05	7 Down early and transient
A014189_01	At4g39210	glucose-1-phosphate adenylyltransferase (AP	0	-1.03	-0.20	1.3	1.11	7 Down early and transient
A015356_01	At4g30810	A.t. putative transcription factor (MYB98) mRN	0	-1.01	-0.52	1.3	1.42	7 Down early and transient
A016536_01	At5g47060	putative protein; protein id: At5g47060.1	0	-1.09	0.50	2.0	0.08	7 Down early and transient
A017452_01	At5g09990	expressed protein; protein id: At5g09990.1	0	-1.46	0.13	1.2	2.11	7 Down early and transient
A018176_01	At5g03760	putative protein; protein id: At5g03760.1	0	-1.11	-0.54	1.4	1.11	7 Down early and transient
A018678_01	At5g55560	putative protein; protein id: At5g55560.1	0	-1.10	-0.50	1.4	1.11	7 Down early and transient
A019074_01	At5g09570	putative protein; protein id: At5g09570.1	0	-1.22	-0.73	1.1	5.44	7 Down early and transient
A019532_01	At4g19690	Fe(II) transport protein; protein id: At4g19690.	0	-1.68	-0.40	1.4	0.75	7 Down early and transient
A019650_01	At5g55180	glycosyl hydrolase family 17; protein id: At5g5	0	-1.50	-0.67	1.3	1.42	7 Down early and transient
A019843_01	At2g38310	expressed protein; protein id: At2g38310.1	0	-1.45	-0.83	1.7	0.23	7 Down early and transient
A019861_01	At2g37470	putative histone H2B; protein id: At2g37470.1	0	-1.47	-0.48	1.8	0.17	7 Down early and transient
A019942_01	At1g07090	expressed protein; protein id: At1g07090.1	0	-1.14	0.01	1.2	5.44	7 Down early and transient
A020798_01	At1g58280	unknown protein; protein id: At1g58280.1	0	-1.43	-0.93	1.6	0.41	7 Down early and transient
A021223_01	At2g17560	putative HMG protein; protein id: At2g17560.1	0	-1.15	-0.64	1.2	2.11	7 Down early and transient
A021823_01	At4g30810	serine carboxypeptidase II - like protein; prote	0	-1.25	-0.77	1.7	0.27	7 Down early and transient
A022996_01	At5g38690	putative protein; protein id: At5g38690.1	0	-1.02	-0.46	1.1	5.44	7 Down early and transient
A023041_01	At5g08570	pyruvate kinase; protein id: At5g08570.1	0	-1.14	-0.74	1.9	0.08	7 Down early and transient
A024248_01	At5g54670	kinesin-like protein C (katC); protein id: At5g5	0	-1.70	-0.64	1.2	5.44	7 Down early and transient
A024485_01	At1g22410	3-deoxy-D-arabino-heptulosonate 7-phosphat	0	-1.33	0.02	1.7	0.27	7 Down early and transient
A025683_01	At1g68740	putative receptor protein; protein id: At1g6874	0	-1.49	0.77	1.8	0.19	7 Down early and transient
A016527_01	At5g56500	rubisco subunit binding-protein beta subunit p	0	-1.83	-1.16	2.5	0.05	7 Down early and transient
A000031_01	At1g19670	expressed protein; protein id: At1g19670.1	0	-0.22	-1.78	2.3	0.05	8 Down late
A000146_01	At1g19850	auxin response transcription factor; protein id:	0	0.33	-1.44	1.9	0.08	8 Down late
A000157_01	At1g77060	carboxyphosphoenolpyruvate mutase, puta	0	-0.09	-1.20	1.8	0.23	8 Down late
A000406_01	At1g32470	glycine cleavage system H protein precursor,	0	-0.06	-1.17	1.6	0.47	8 Down late
A000473_01	At1g03710	hypothetical protein; protein id: At1g03710.1	0	-0.14	-1.31	2.2	0.05	8 Down late
A000548_01	At1g19330	expressed protein; protein id: At1g19330.1	0	0.32	-1.17	1.7	0.23	8 Down late
A000742_01	At1g18450	expressed protein; protein id: At1g18450.1	0	0.03	-1.06	1.7	0.27	8 Down late
A001098_01	At1g35780	expressed protein; protein id: At1g35780.1	0	-0.22	-1.70	2.4	0.05	8 Down late
A001455_01	At1g25260	expressed protein; protein id: At1g25260.1	0	-0.20	-1.45	2.0	0.08	8 Down late
A001679_01	At1g55330	arabinogalactan-protein (AGP21); protein id: A	0	-0.26	-2.43	3.1	0.05	8 Down late
A002081_01	At1g65960	glutamate decarboxylase 2 (GAD 2); protein ic	0	-0.28	-1.57	2.7	0.05	8 Down late
A002418_01	At1g16705	expressed protein; protein id: At1g16705.1	0	0.96	-1.97	3.1	0.05	8 Down late
A002741_01	At1g72610	germin-like protein; protein id: At1g72610.1	0	-0.14	-2.39	3.0	0.05	8 Down late
A003547_01	At1g71790	actin capping protein beta-2, putative; protein	0	-0.22	-1.35	2.3	0.05	8 Down late
A003698_01	At1g30520	hypothetical protein; protein id: At1g30520.1	0	-0.06	-1.38	2.8	0.05	8 Down late

A004689_01	At1g55260	expressed protein; protein id: At1g55260.1	0	-0.45	-2.47	3.8	0.05	8 Down late
A004696_01	At1g26150	Pto kinase interactor, putative; protein id: At1g26150.1	0	-0.04	-1.23	1.6	0.36	8 Down late
A004846_01	At1g07570	protein kinase APK1A; protein id: At1g07570.1	0	-0.11	-1.29	1.5	0.47	8 Down late
A005069_01	At4g39660	alanine:glyoxylate aminotransferase 2 homolog	0	0.08	-1.23	1.5	0.47	8 Down late
A005075_01	At1g23940	gamma-adaptin, putative; protein id: At1g23940.1	0	-0.34	-2.52	1.4	0.75	8 Down late
A005208_01	At1g60590	polygalacturonase, putative; protein id: At1g60590.1	0	1.00	-1.99	2.4	0.05	8 Down late
A005354_01	At3g41979	5SrRNA; protein id: At3g41979	0	-0.25	-1.54	1.2	5.44	8 Down late
A005714_01	At5g25460	unknown protein	0	-0.46	-3.24	6.4	0.05	8 Down late
A005916_01	xxxx	b/t putative protein; protein id: At4g13490.1	0	0.17	-1.19	1.5	0.47	8 Down late
A005946_01	At1g76090	S-adenosyl-methionine-sterol-C-methyltransferase	0	0.37	-1.13	2.7	0.05	8 Down late
A006049_01	At2g10940	expressed protein; protein id: At2g10940.1	0	-0.11	-2.90	3.9	0.05	8 Down late
A006051_01	At2g18020	60S ribosomal protein L2; protein id: At2g18020.1	0	-0.16	-1.45	1.3	1.42	8 Down late
A006063_01	At2g38530	putative nonspecific lipid-transfer protein; protein id: At2g38530.1	0	0.39	-2.22	2.3	0.05	8 Down late
A006181_01	At2g14900	similar to gibberellin-regulated proteins; protein id: At2g14900.1	0	0.36	-1.80	4.0	0.05	8 Down late
A006824_01	At2g33810	putative squamosa-promoter binding protein; protein id: At2g33810.1	0	0.41	-2.54	3.6	0.05	8 Down late
A007357_01	At2g37190	60S ribosomal protein L12; protein id: At2g37190.1	0	-0.43	-2.46	4.0	0.05	8 Down late
A007370_01	At2g37270	40S ribosomal protein S5; protein id: At2g37270.1	0	0.05	-1.24	1.4	0.75	8 Down late
A007964_01	At2g06850	xyloglucan endotransglycosylase (ext/EXGT)-like protein; protein id: At2g06850.1	0	-0.21	-3.42	4.1	0.05	8 Down late
A007970_01	At2g15090	putative fatty acid elongase; protein id: At2g15090.1	0	0.50	-1.41	1.3	1.42	8 Down late
A008512_01	At5g18380	putative 40S ribosomal protein S16	0	-0.08	-1.53	1.8	0.23	8 Down late
A008601_01	At2g03240	unknown protein; protein id: At2g03240.1	0	0.31	-1.73	3.8	0.05	8 Down late
A008649_01	At2g40430	expressed protein; protein id: At2g40430.1	0	-0.07	-1.34	1.2	2.11	8 Down late
A008881_01	At3g02180	expressed protein; protein id: At3g02180.1	0	-0.30	-1.76	3.6	0.05	8 Down late
A009037_01	At3g62720	alpha galactosyltransferase-like protein; protein id: At3g62720.1	0	0.32	-1.11	2.0	0.08	8 Down late
A009148_01	At3g16250	putative 2Fe-2S iron-sulfur cluster protein; protein id: At3g16250.1	0	0.33	-1.27	2.3	0.05	8 Down late
A009590_01	At3g06550	unknown protein; protein id: At3g06550.1	0	-0.10	-1.02	2.3	0.05	8 Down late
A009744_01	At3g07460	expressed protein; protein id: At3g07460.1	0	-0.07	-1.04	1.8	0.19	8 Down late
A010599_01	At3g02080	putative 40S ribosomal protein S19; protein id: At3g02080.1	0	0.09	-1.39	2.1	0.08	8 Down late
A010680_01	At3g56610	putative protein; protein id: At3g56610.1	0	0.54	-2.83	1.5	0.60	8 Down late
A010708_01	At3g57800	putative protein; protein id: At3g57800.1	0	0.24	-1.23	1.2	5.44	8 Down late
A010731_01	At3g27690	light harvesting chlorophyll A/B binding protein; protein id: At3g27690.1	0	1.05	-1.73	1.5	0.47	8 Down late
A010898_01	At3g53620	inorganic pyrophosphatase -like protein; protein id: At3g53620.1	0	0.43	-1.07	2.0	0.08	8 Down late
A011190_01	At3g55290	oxidoreductase -like protein; protein id: At3g55290.1	0	0.33	-1.06	2.4	0.05	8 Down late
A011320_01	At3g17150	hypothetical protein; protein id: At3g17150.1	0	0.01	-2.95	2.3	0.05	8 Down late
A011569_01	At3g06130	expressed protein; protein id: At3g06130.1	0	-0.14	-1.37	3.2	0.05	8 Down late
A011614_01	At3g14240	subtilisin-like serine protease; protein id: At3g14240.1	0	-0.31	-2.53	3.3	0.05	8 Down late
A011722_01	At3g46040	cytoplasmic ribosomal protein S15a -like; protein id: At3g46040.1	0	-0.11	-1.31	2.8	0.05	8 Down late
A011766_01	At3g23750	receptor-like kinase, putative; protein id: At3g23750.1	0	0.01	-1.17	2.3	0.05	8 Down late
A012159_01	At3g09950	hypothetical protein; protein id: At3g09950.1	0	1.20	-0.95	2.6	0.05	8 Down late
A012331_01	At3g16240	delta tonoplast integral protein (delta-TIP); protein id: At3g16240.1	0	-0.03	-2.98	5.2	0.05	8 Down late
A012371_01	At3g55760	putative protein; protein id: At3g55760.1	0	-0.13	-1.27	1.7	0.27	8 Down late
A012422_01	At3g06380	F-box containing tubby family protein; protein id: At3g06380.1	0	-0.06	-1.14	1.4	1.11	8 Down late
A012633_01	At3g16870	GATA zinc finger protein; protein id: At3g16870.1	0	-0.11	-1.11	1.7	0.27	8 Down late
A012748_01	At3g48580	xyloglucan endotransglycosylase, putative; protein id: At3g48580.1	0	1.48	-2.20	2.7	0.05	8 Down late
A012813_01	At3g19820	cell elongation protein, Dwarf1; protein id: At3g19820.1	0	-0.44	-2.89	3.7	0.05	8 Down late

A012883_01	At4g37870	phosphoenolpyruvate carboxykinase (ATP) -li	0	-0.21	-1.50	1.7	0.23	8 Down late
A012889_01	At4g13540	putative protein; protein id: At4g13540.1	0	0.75	-2.93	1.5	0.47	8 Down late
A013087_01	At4g22670	HSP associated protein like; protein id: At4g2:	0	-0.06	-1.12	1.5	0.60	8 Down late
A013188_01	At4g08950	putative phi-1-like phosphate-induced protein;	0	0.11	-2.63	2.4	0.05	8 Down late
A013699_01	At4g17560	putative protein; protein id: At4g17560.1	0	-0.22	-1.31	1.5	0.47	8 Down late
A013733_01	At4g22000	expressed protein; protein id: At4g22000.1	0	-0.24	-1.44	2.6	0.05	8 Down late
A013903_01	At4g31290	unknown protein; protein id: At4g31290.1	0	0.40	-1.90	4.3	0.05	8 Down late
A014068_01	At4g23870	putative protein	0	1.27	-1.37	1.6	0.41	8 Down late
A014169_01	At4g18910	major intrinsic protein (MIP)- like; protein id: A	0	0.65	-1.08	2.3	0.05	8 Down late
A014310_01	At4g39400	brassinosteroid insensitive 1 gene (BR11); pro	0	0.17	-1.87	3.0	0.05	8 Down late
A015109_01	At4g35950	rac-like GTP-binding protein, putative; protein	0	-0.24	-1.33	1.1	5.44	8 Down late
A015345_01	At4g00870	bHLH protein; protein id: At4g00870.1	0	0.35	-3.08	3.5	0.05	8 Down late
A015877_01	At5g55120	putative protein; protein id: At5g55120.1	0	0.09	-1.22	2.9	0.05	8 Down late
A015938_01	At5g22500	male sterility 2-like protein (emb|CAA68191.1)	0	0.68	-1.21	1.6	0.41	8 Down late
A016095_01	At5g62190	DEAD/DEAH box RNA helicase PRH75; prote	0	0.17	-1.20	1.3	1.42	8 Down late
A016335_01	At5g62670	plasma membrane proton ATPase-like; protei	0	-0.12	-1.36	2.1	0.05	8 Down late
A016372_01	At5g57110	calcium-transporting ATPase; protein id: At5g:	0	-0.06	-1.52	1.9	0.11	8 Down late
A016673_01	At5g54630	putative protein; protein id: At5g54630.1	0	0.23	-1.21	2.1	0.08	8 Down late
A017116_01	At5g62390	KED - like protein; protein id: At5g62390.1	0	-0.11	-1.63	2.1	0.08	8 Down late
A017195_01	At5g24510	60s acidic ribosomal protein P1; protein id: At!	0	0.22	-1.99	1.3	1.42	8 Down late
A017746_01	At5g42680	putative protein; protein id: At5g42680.1	0	-0.21	-1.30	1.8	0.19	8 Down late
A017815_01	At4g13261	hypothetical protein; protein id: At4g13261.1	0	1.01	-2.94	2.5	0.05	8 Down late
A018300_01	At5g08050	putative protein; protein id: At5g08050.1	0	0.20	-1.25	1.5	0.60	8 Down late
A018450_01	At5g48490	putative protein; protein id: At5g48490.1	0	0.66	-2.27	4.5	0.05	8 Down late
A018711_01	At5g44820	putative protein; protein id: At5g44820.1	0	0.18	-1.10	1.6	0.41	8 Down late
A018891_01	At5g20630	germin-like protein; protein id: At5g20630.1	0	-0.27	-4.53	1.6	0.36	8 Down late
A019002_01	At5g22460	putative protein; protein id: At5g22460.1	0	0.95	-1.95	1.4	0.75	8 Down late
A019027_01	At5g13980	glycosyl hydrolase family 38 (alpha-mannosid:	0	-0.01	-1.52	1.7	0.27	8 Down late
A019186_01	At5g13140	putative protein; protein id: At5g13140.1	0	-0.08	-3.65	1.6	0.41	8 Down late
A019398_01	At5g04430	KH domain protein Nova, putative; protein id: .	0	-0.05	-1.29	1.6	0.41	8 Down late
A019580_01	At4g01410	synaptobrevin VAMP713; protein id: At4g0141	0	0.10	-1.04	1.9	0.17	8 Down late
A019591_01	At4g15440	hydroperoxide lyase (HPOL) like protein; prote	0	0.08	-1.91	2.9	0.05	8 Down late
A019718_01	At5g53880	expressed protein; protein id: At5g53880.1	0	-0.27	-2.04	2.7	0.05	8 Down late
A019934_01	At3g16950	dihydrolipoamide dehydrogenase, putative; pr	0	-0.02	-1.17	2.7	0.05	8 Down late
A020213_01	At1g79990	putative coatomer protein complex, subunit be	0	-0.18	-1.08	1.3	1.42	8 Down late
A020436_01	At2g36930	expressed protein; protein id: At2g36930.1	0	0.57	-1.04	1.6	0.41	8 Down late
A020452_01	At3g13520	arabinogalactan-protein (AGP12); protein id: /	0	-0.23	-2.06	3.8	0.05	8 Down late
A020501_01	At5g61440	thioredoxin-like 3; protein id: At5g61440.1	0	0.64	-2.40	3.6	0.05	8 Down late
A020559_01	At3g60530	GATA zinc finger protein; protein id: At3g6053	0	-0.36	-2.53	2.2	0.05	8 Down late
A020592_01	At5g48480	expressed protein; protein id: At5g48480.1	0	-0.19	-1.09	1.5	0.60	8 Down late
A020606_01	At5g52920	pyruvate kinase; protein id: At5g52920.1	0	-0.09	-1.20	1.6	0.36	8 Down late
A020754_01	At3g02110	putative serine carboxypeptidase II; protein id:	0	-0.20	-1.21	2.4	0.05	8 Down late
A020852_01	At1g15930	40S ribosomal protein S12, putative; protein ic	0	0.07	-1.17	1.6	0.41	8 Down late
A021026_01	At5g65730	xyloglucan endo-transglycosylase-like protein	0	0.74	-1.60	2.7	0.05	8 Down late
A021040_01	At4g21960	peroxidase, putative; protein id: At4g21960.1	0	-0.14	-1.12	1.6	0.41	8 Down late

A021074_01	At1g03870	fasciclin-like arabinogalactan-protein (FLA9); j	0	0.09	-1.94	1.3	1.11	8 Down late
A021107_01	At5g64680	unknown protein; protein id: At5g64680.1	0	-0.13	-1.46	2.4	0.05	8 Down late
A021411_01	At5g18020	auxin-induced protein-like; protein id: At5g180	0	0.41	-2.53	1.5	0.60	8 Down late
A021476_01	At5g05590	phosphoribosylanthranilate isomerase; proteir	0	-0.14	-1.20	2.5	0.05	8 Down late
A021749_01	At1g29460	auxin-induced protein, putative; protein id: At1	0	0.83	-1.60	2.1	0.08	8 Down late
A021909_01	At1g57860	60S ribosomal protein L21, putative; protein ic	0	-0.21	-1.34	2.0	0.08	8 Down late
A022020_01	At1g30230	elongation factor 1-beta, putative; protein id: A	0	0.16	-1.13	1.4	1.11	8 Down late
A022043_01	At1g74050	putative 60S ribosomal protein L6; protein id: ,	0	0.10	-1.43	1.5	0.60	8 Down late
A022164_01	At3g51270	putative protein; protein id: At3g51270.1	0	-0.08	-1.22	1.3	1.11	8 Down late
A022275_01	At5g65700	leucine-rich repeat transmembrane protein kir	0	-0.12	-1.32	2.1	0.08	8 Down late
A022689_01	At3g56030	putative protein; protein id: At3g56030.1	0	0.52	-1.27	1.9	0.08	8 Down late
A023079_01	At5g42230	serine carboxypeptidase-II like; protein id: At5	0	0.08	-2.38	3.9	0.05	8 Down late
A024104_01	At1g17030	hypothetical protein; protein id: At1g17030.1	0	0.19	-2.23	1.4	1.11	8 Down late
A024174_01	At5g24610	putative protein; protein id: At5g24610.1	0	-0.21	-1.17	1.6	0.36	8 Down late
A024332_01	At3g16180	putative transport protein; protein id: At3g1618	0	-0.41	-2.97	4.2	0.05	8 Down late
A024353_01	At4g20170	putative protein; protein id: At4g20170.1	0	0.01	-1.18	1.7	0.23	8 Down late
A024454_01	At3g22120	unknown protein; protein id: At3g22120.1	0	0.42	-3.83	3.9	0.05	8 Down late
A024510_01	At3g05490	expressed protein; protein id: At3g05490.1	0	-0.04	-1.66	1.2	5.44	8 Down late
A024633_01	At1g66180	expressed protein; protein id: At1g66180.1	0	-0.08	-2.59	3.7	0.05	8 Down late
A024649_01	At1g29670	lipase/hydrolase, putative; protein id: At1g296	0	0.06	-1.59	2.2	0.05	8 Down late
A024657_01	At2g17360	putative ribosomal protein S4; protein id: At2g	0	-0.11	-1.48	1.5	0.60	8 Down late
A024687_01	At1g52190	peptide transporter, putative; protein id: At1g5	0	-0.34	-2.33	2.9	0.05	8 Down late
A025844_01	At1g15910	transcriptional regulator, putative; protein id: A	0	-0.11	-1.56	2.4	0.05	8 Down late
A008935_01	At3g05910	pectinacetylerase, putative; protein id: At3g	0	0.23	-1.15	1.1	5.44	8 Down late

Table S4. Genes up-regulated from 0-1 to 2-3 DPA

0-1 DPA to 2-3 DPA up-regulated genes based on 3% FDR 2-class SAM after technical replicas averaged and 2-fold change after biological replicas averaged. Normalized Log₂ (mean ratio relative to 0-1 DPA mean) and 3% FDR 2-class SAM Score (d) and q value are shown.

Oligo ID	AGI	Annotation	0-1 DPA Mean	2-3 DPA Mean	Score(d) SAM 2-class (FDR 3%)	q-value SAM 2-class (FDR 3%)
A005155_01	At1g28660	expressed protein; protein id: At1g28660.1	0	3.78	2.5	0.09
A002643_01	At1g12010	putative amino-cyclopropane-carboxylic acid oxidase (ACC oxida	0	3.77	2.4	0.09
A020748_01	At2g05540	putative glycine-rich protein; protein id: At2g05540.1	0	3.75	3.4	0.09
A007797_01	At2g32150	putative hydrolase; protein id: At2g32150.1	0	3.64	3.4	0.09
A008562_01	At2g02990	ribonuclease, RNS1; protein id: At2g02990.1	0	3.56	2.4	0.09
A016034_01	At5g50260	AtCEP1; cysteine proteinase; protein id: At5g50260.1	0	3.55	1.5	1.00
A008873_01	At3g04070	NAM-like protein (no apical meristem); protein id: At3g04070.1	0	3.51	3.3	0.09
A021719_01	At2g01890	putative purple acid phosphatase; protein id: At2g01890.1	0	3.47	1.4	1.29
A013095_01	At4g02520	glutathione transferase, putative; protein id: At4g02520.1	0	3.46	2.9	0.09
A024259_01	At3g48340	AtCEP2; cysteine proteinase; protein id: At3g48340.1	0	3.46	3.1	0.09
A017284_01	At5g40690	putative protein; protein id: At5g40690.1	0	3.36	2.7	0.09
A013676_01	At4g35690	putative protein; protein id: At4g35690.1	0	3.33	2.4	0.09
A014758_01	At4g35770	senescence-associated protein sen1; protein id: At4g35770.1	0	3.33	2.4	0.09
A020731_01	At2g40000	putative nematode-resistance protein; protein id: At2g40000.1	0	3.31	2.4	0.09
A006010_01	At2g37130	peroxidase, putative (ATP2a); protein id: At2g37130.1	0	3.29	4.4	0.09
A005727_01	At3g47340	glutamine-dependent asparagine synthetase; protein id: At3g473-	0	3.28	3.8	0.09
A012430_01	At3g59270	putative protein; protein id: At3g59270.1	0	3.26	3.0	0.09
A020847_01	At1g10070	tat-binding protein, putative; protein id: At1g10070.1	0	3.25	3.2	0.09
A006087_01	At2g20670	expressed protein; protein id: At2g20670.1	0	3.25	2.7	0.09
A007696_01	At2g39400	putative phospholipase; protein id: At2g39400.1	0	3.23	2.3	0.09
A000061_01	At1g76590	expressed protein; protein id: At1g76590.1	0	3.20	3.4	0.09
A008712_01	At2g31945	expressed protein; protein id: At2g31945.1	0	3.19	2.2	0.09
A013697_01	At4g15610	expressed protein; protein id: At4g15610.1	0	3.16	4.0	0.09
A002409_01	At1g16950	hypothetical protein; protein id: At1g16950.1	0	3.16	2.4	0.09
A017612_01	At5g57550	xyloglucan endotransglycosylase (XTR3); protein id: At5g57550.1	0	3.11	1.4	1.29
A007362_01	At2g33830	auxin-regulated protein; protein id: At2g33830.1	0	3.11	3.7	0.09
A020560_01	At3g47340	glutamine-dependent asparagine synthetase; protein id: At3g473-	0	3.09	4.1	0.09
A008415_01	At2g18550	homeodomain protein; protein id: At2g18550.1	0	3.08	2.0	0.09
A019874_01	At2g01890	putative purple acid phosphatase; protein id: At2g01890.1	0	3.08	2.4	0.09
A021921_01	At4g38540	monooxygenase 2 (MO2); protein id: At4g38540.1	0	3.08	1.4	1.00
A021759_01	At1g70680	Ca ²⁺ -binding EF-hand common family protein, putative; protein ic	0	3.08	4.5	0.09
A007977_01	At2g18050	histone H1; protein id: At2g18050.1	0	3.03	3.1	0.09
A002917_01	At1g68620	expressed protein; protein id: At1g68620.1	0	3.00	2.5	0.09
A004612_01	At1g67860	expressed protein; protein id: At1g67860.1	0	2.98	2.9	0.09
A011912_01	At3g45300	isovaleryl-CoA-dehydrogenase precursor (IVD); protein id: At3g44	0	2.96	3.7	0.09

A005729_01	At2g25625	auxin-regulated protein; protein id: At2g25625.1	0	2.94	1.8	0.39
A001155_01	At1g69490	expressed protein; protein id: At1g69490.1	0	2.92	1.8	0.39
A005751_01	At4g37520	peroxidase, putative; protein id: At4g37520.1	0	2.92	4.2	0.09
A021133_01	At1g11190	bifunctional nuclease bfn1; protein id: At1g11190.1	0	2.90	2.7	0.09
A025060_01	At3g44300	nitrilase 2; protein id: At3g44300.1	0	2.89	2.5	0.09
A014867_01	At4g36740	homeodomain protein; protein id: At4g36740.1	0	2.89	2.2	0.09
A007656_01	At2g44130	expressed protein; protein id: At2g44130.1	0	2.89	2.5	0.09
A006919_01	At2g46950	cytochrome p450, putative; protein id: At2g46950.1	0	2.87	2.9	0.09
A024298_01	At4g30270	xyloglucan endotransglycosylase (meri5B); protein id: At4g30270	0	2.87	2.3	0.09
A004276_01	At1g03660	unknown; protein id: At1g03660.1	0	2.84	4.0	0.09
A003084_01	At1g05340	expressed protein; protein id: At1g05340.1	0	2.81	3.0	0.09
A007820_01	At2g14560	unknown protein; protein id: At2g14560.1	0	2.80	1.3	2.22
A012812_01	At3g47950	H ⁺ -transporting ATPase - like protein; protein id: At3g47950.1	0	2.80	2.3	0.09
A020605_01	At2g25450	putative dioxygenase; protein id: At2g25450.1	0	2.79	2.7	0.09
A024326_01	At5g56870	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At5g	0	2.78	3.1	0.09
A015558_01	At5g10650	Pspzf zinc finger protein - like; protein id: At5g10650.1	0	2.78	4.9	0.09
A014791_01	At4g27450	unknown protein; protein id: At4g27450	0	2.76	2.9	0.09
A020350_01	At3g15500	putative jasmonic acid regulatory protein; protein id: At3g15500.1	0	2.75	2.4	0.09
A024527_01	At1g75750	expressed protein; protein id: At1g75750.1	0	2.74	3.5	0.09
A008391_01	At2g05910	unknown protein; protein id: At2g05910.1	0	2.73	1.4	1.50
A014115_01	At4g28040	Medicago nodulin N21-like protein; protein id: At4g28040.1	0	2.70	2.5	0.09
A016446_01	At5g45890	senescence-specific cysteine protease SAG12; protein id: At5g45	0	2.69	1.9	0.39
A014526_01	At4g14930	expressed protein; protein id: At4g14930.1	0	2.68	2.4	0.09
A016148_01	At5g49360	xylosidase glycosyl hydrolase family 3; protein id: At5g49360.1	0	2.68	2.6	0.09
A007535_01	At2g15960	expressed protein; protein id: At2g15960.1	0	2.67	5.2	0.09
A000827_01	At1g80160	expressed protein; protein id: At1g80160.1	0	2.67	2.8	0.09
A017913_01	At5g63800	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At5g	0	2.66	1.3	2.13
A009011_01	At3g22640	expressed protein; protein id: At3g22640.1	0	2.64	2.7	0.09
A025898_01	At1g78830	expressed protein; protein id: At1g78830.1,	0	2.63	1.1	2.59
A012369_01	At3g44240	CCR4-associated factor 1-like protein; protein id: At3g44240.1	0	2.63	1.4	1.50
A014688_01	At4g37610	putative protein; protein id: At4g37610.1	0	2.61	2.2	0.09
A017977_01	At5g01520	putative protein; protein id: At5g01520.1	0	2.58	4.6	0.09
A016324_01	At5g39610	NAM / CUC2 - like protein; protein id: At5g39610.1	0	2.57	2.0	0.16
A012865_01	At4g19420	pectinacetylesterase family; protein id: At4g19420.1	0	2.56	3.4	0.09
A018019_01	At5g14740	carbonic anhydrase 2; protein id: At5g14740.1	0	2.55	3.7	0.09
A004618_01	At1g11260	glucose transporter; protein id: At1g11260.1	0	2.55	2.5	0.09
A018159_01	At5g24160	squalene monooxygenase 1,2 (squalene epoxidase 1,2) (SQP1,2	0	2.55	4.4	0.09
A000828_01	At1g80180	expressed protein; protein id: At1g80180.1	0	2.54	2.5	0.09
A025575_01	At1g02660	expressed protein; protein id: At1g02660.1	0	2.53	1.3	1.72
A005042_01	At4g15760	monooxygenase 1 (MO1), putative; protein id: At4g15760.1	0	2.52	1.4	1.50
A011810_01	At3g04720	hevein-like protein precursor (PR-4); protein id: At3g04720.1	0	2.52	4.1	0.09
A001121_01	At1g58180	carbonic anhydrase, putative; protein id: At1g58180.1	0	2.51	3.5	0.09
A000410_01	At1g02610	hypothetical protein; protein id: At1g02610.1	0	2.49	2.7	0.09
A011130_01	At3g14280	unknown protein; protein id: At3g14280.1	0	2.45	2.8	0.09
A011198_01	At3g60140	glycosyl hydrolase family 1, beta-glucosidase; protein id: At3g601	0	2.44	2.2	0.09

A013034_01	At4g10910	expressed protein; protein id: At4g10910.1	0	2.43	3.0	0.09
A025798_01	At1g12780	uridine diphosphate glucose epimerase; protein id: At1g12780.1	0	2.43	3.1	0.09
A004223_01	At1g09500	putative cinnamyl alcohol dehydrogenase; protein id: At1g09500.1	0	2.43	1.3	2.22
A006885_01	At2g02710	putative receptor-like protein kinase; protein id: At2g02710.1	0	2.42	2.4	0.09
A016319_01	At5g44610	expressed protein	0	2.41	3.2	0.09
A014855_01	At4g34320	hypothetical protein common family; protein id: At4g34320.1	0	2.41	2.2	0.09
A001451_01	At1g21400	branched-chain alpha keto-acid dehydrogenase, putative; protein id: At1g21400.1	0	2.37	2.4	0.09
A018348_01	At5g56550	putative protein; protein id: At5g56550.1	0	2.37	2.3	0.09
A018673_01	At5g01920	putative protein; protein id: At5g01920.1	0	2.36	3.2	0.09
A024469_01	At5g59820	zinc finger protein Zat12; protein id: At5g59820.1	0	2.35	1.3	1.72
A017468_01	At5g25280	serine-rich protein; protein id: At5g25280.1	0	2.35	2.4	0.09
A005366_01	At5g20250	glycosyl hydrolase family 36; protein id: At5g20250.1	0	2.35	2.2	0.09
A000098_01	xxxx	b/t hypothetical protein; protein id: At1g12450 and leucine-rich repeat	0	2.35	1.3	1.72
A007336_01	At2g28400	hypothetical protein; protein id: At2g28400.1	0	2.34	2.1	0.09
A022000_01	At5g56540	arabinogalactan-protein (AGP14); protein id: At5g56540.1	0	2.33	2.1	0.09
A014702_01	At4g33050	putative protein; protein id: At4g33050.1	0	2.32	3.2	0.09
A025759_01	At2g22980	putative serine carboxypeptidase I; protein id: At2g22980.1	0	2.32	1.9	0.39
A021890_01	At4g11360	RING-H2 finger protein RHA1b; protein id: At4g11360.1	0	2.29	2.9	0.09
A002676_01	At1g61810	glycosyl hydrolase family 1; protein id: At1g61810.1	0	2.29	3.4	0.09
A007750_01	At2g33480	putative NAM (no apical meristem)-like protein; protein id: At2g33480.1	0	2.28	2.4	0.09
A020777_01	At2g44500	similar to axi 1 protein from Nicotiana tabacum; protein id: At2g44500.1	0	2.27	2.9	0.09
A021629_01	At2g32210	expressed protein; protein id: At2g32210.1	0	2.26	3.1	0.09
A008854_01	At2g29470	glutathione transferase, putative; protein id: At2g29470.2	0	2.25	1.7	0.67
A001303_01	At1g15670	expressed protein; protein id: At1g15670.1	0	2.25	2.7	0.09
A023279_01	At4g04750	putative sugar transporter; protein id: At4g04750.1	0	2.25	1.2	2.22
A024336_01	At3g48360	putative protein; protein id: At3g48360.1	0	2.25	1.2	2.22
A014066_01	At4g23880	hypothetical protein; protein id: At4g23880.1	0	2.24	2.7	0.09
A021670_01	At1g13990	expressed protein; protein id: At1g13990.1	0	2.23	4.5	0.09
A024560_01	At5g61600	DNA binding protein - like; protein id: At5g61600.1	0	2.23	3.7	0.09
A008692_01	At2g15890	expressed protein; protein id: At2g15890.1	0	2.22	1.9	0.39
A011193_01	At3g22060	receptor kinase common family, putative; protein id: At3g22060.1	0	2.22	4.8	0.09
A011819_01	At3g61890	homeobox-leucine zipper protein ATHB-12; protein id: At3g61890.1	0	2.21	1.8	0.39
A020317_01	At4g27410	putative protein; protein id: At4g27410.2	0	2.20	2.0	0.09
A004704_01	At1g28330	dormancy-associated protein, putative; protein id: At1g28330.1	0	2.20	2.5	0.09
A014097_01	At4g22920	expressed protein; protein id: At4g22920.1	0	2.19	2.2	0.09
A006161_01	At2g43820	putative glucosyltransferase; protein id: At2g43820.1	0	2.19	1.3	2.13
A001970_01	At1g06570	4-hydroxyphenylpyruvate dioxygenase (HPD); protein id: At1g06570.1	0	2.18	2.9	0.09
A003186_01	At1g67070	phosphomannose isomerase, putative; protein id: At1g67070.1	0	2.18	4.1	0.09
A021811_01	At1g80920	J8-like protein; protein id: At1g80920.1	0	2.18	2.2	0.09
A010307_01	At3g26165	pseudogene, cytochrome P450 At3g26165	0	2.18	2.8	0.09
A005246_01	At1g02660	expressed protein; protein id: At1g02660.1	0	2.17	2.8	0.09
A021882_01	At5g14180	putative protein; protein id: At5g14180.1	0	2.17	1.2	2.38
A013535_01	At4g14020	expressed protein; protein id: At4g14020.1	0	2.17	1.5	0.99
A012754_01	At3g13750	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At3g13750.1	0	2.17	2.4	0.09
A006022_01	At4g20260	endomembrane-associated protein; protein id: At4g20260.1	0	2.17	2.1	0.09

A020221_01	At3g10740	glycosyl hydrolase family 51; protein id: At3g10740.1	0	2.17	3.0	0.09
A002698_01	At1g54740	hypothetical protein; protein id: At1g54740.1	0	2.16	1.3	2.13
A013240_01	At4g10920	putative protein; protein id: At4g10920.1	0	2.16	5.3	0.09
A020580_01	At4g34230	cinnamyl alcohol dehydrogenase - like protein; protein id: At4g34230.1	0	2.16	2.0	0.09
A004437_01	At1g80440	expressed protein; protein id: At1g80440.1	0	2.13	2.0	0.09
A008722_01	At2g18700	putative trehalose-6-phosphate synthase; protein id: At2g18700.1	0	2.13	2.7	0.09
A014892_01	At4g37310	cytochrome P450-like protein	0	2.13	1.3	2.13
A010318_01	At3g51730	putative protein; protein id: At3g51730.1	0	2.12	2.4	0.09
A006021_01	not annotated	EST ethylene-responsive element binding protein.(by NCBI blast)	0	2.12	2.4	0.09
A020803_01	At4g37520	peroxidase, putative; protein id: At4g37520.1	0	2.11	4.4	0.09
A022381_01	At4g27260	GH3 like protein; protein id: At4g27260.1	0	2.11	2.5	0.09
A000319_01	At1g26820	ribonuclease, RNS3; protein id: At1g26820.1	0	2.11	2.4	0.09
A021942_01	At1g13990	expressed protein; protein id: At1g13990.1	0	2.10	2.8	0.09
A020615_01	At1g61820	glycosyl hydrolase family 1; protein id: At1g61820.1	0	2.10	1.2	2.38
A003510_01	At1g10140	expressed protein; protein id: At1g10140.1	0	2.09	3.0	0.09
A021814_01	At2g43820	putative glucosyltransferase; protein id: At2g43820.1	0	2.09	2.4	0.09
A008605_01	At2g22990	putative serine carboxypeptidase I; protein id: At2g22990.1	0	2.09	2.4	0.09
A020589_01	At5g65210	bZIP transcription factor, TGA1; protein id: At5g65210.1	0	2.08	2.7	0.09
A009906_01	At3g06420	AtAPG8h; expressed protein; protein id: At3g06420.1	0	2.07	2.4	0.09
A020617_01	At1g54100	aldehyde dehydrogenase homolog, putative; protein id: At1g54100.1	0	2.07	2.6	0.09
A011932_01	At3g61930	hypothetical protein; protein id: At3g61930.1	0	2.07	2.9	0.09
A024495_01	At2g27500	glycosyl hydrolase family 17; protein id: At2g27500.1	0	2.05	1.3	2.22
A006799_01	At2g23430	Kip-related protein 1; protein id: At2g23430.1	0	2.05	1.3	2.13
A007304_01	At2g37540	putative oxidoreductase; protein id: At2g37540.1	0	2.04	1.2	2.59
A023537_01	At2g36800	putative glucosyl transferase; protein id: At2g36800.1	0	2.04	1.3	2.22
A015540_01	At5g53730	hairpin-induced protein, putative (HIN1); protein id: At5g53730.1	0	2.03	2.2	0.09
A017335_01	At5g10770	nucleoid DNA-binding protein cnd41 - like protein; protein id: At5g10770.1	0	2.03	1.4	1.50
A020869_01	At5g54080	homogentisate 1,2-dioxygenase; protein id: At5g54080.1	0	2.03	2.6	0.09
A021067_01	At1g69890	expressed protein; protein id: At1g69890.1	0	2.03	4.0	0.09
A003475_01	At1g80920	J8-like protein; protein id: At1g80920.1	0	2.03	3.0	0.09
A024360_01	At1g15380	expressed protein; protein id: At1g15380.1	0	2.02	2.8	0.09
A016369_01	At5g49450	bZIP family transcription factor; protein id: At5g49450.1	0	2.02	3.4	0.09
A016359_01	At5g09440	putative protein; protein id: At5g09440.1	0	2.02	1.9	0.16
A020242_01	At4g36850	putative protein; protein id: At4g36850.1	0	2.02	2.3	0.09
A008459_01	At2g45210	putative auxin-regulated protein; protein id: At2g45210.1	0	2.01	2.5	0.09
A006975_01	At2g46680	homeodomain transcription factor (ATHB-7); protein id: At2g46680.1	0	2.01	2.4	0.09
A001631_01	At1g35910	trehalose-phosphatase, putative; protein id: At1g35910.1	0	2.01	1.6	0.76
A003093_01	At1g17700	hypothetical protein; protein id: At1g17700.1	0	2.01	1.3	2.22
A021562_01	At1g13990	expressed protein; protein id: At1g13990.1	0	2.00	2.6	0.09
A001180_01	At1g70290	trehalose-6-phosphate synthase, putative; protein id: At1g70290.1	0	2.00	3.0	0.09
A015263_01	At4g01870	hypothetical protein; protein id: At4g01870.1	0	2.00	1.1	2.76
A009848_01	At3g02140	expressed protein; protein id: At3g02140.1	0	2.00	3.2	0.09
A000124_01	At1g23040	expressed protein; protein id: At1g23040.1	0	1.99	2.0	0.09
A012655_01	At3g23970	hypothetical protein; protein id: At3g23970.1	0	1.99	3.4	0.09
A021065_01	At2g37130	peroxidase, putative (ATP2a); protein id: At2g37130.1	0	1.99	2.7	0.09

A018066_01	At5g61820	putative protein; protein id: At5g61820.1	0	1.98	3.1	0.09
A016364_01	At5g48180	unknown protein	0	1.97	1.9	0.31
A013995_01	At4g24230	putative protein; protein id: At4g24230.1	0	1.97	3.1	0.09
A000382_01	At1g11080	serine carboxypeptidase isolog; protein id: At1g11080.1	0	1.97	2.8	0.09
A020400_01	At3g15630	expressed protein; protein id: At3g15630.1	0	1.97	2.9	0.09
A014984_01	At4g05070	coded for by A. thaliana cDNA T44741; protein id: At4g05070.1	0	1.96	3.0	0.09
A006104_01	At2g05520	putative glycine-rich protein; protein id: At2g05520.1	0	1.96	3.7	0.09
A004587_01	At1g78670	gamma glutamyl hydrolase, putative; protein id: At1g78670.1	0	1.95	3.4	0.09
A020588_01	At3g60690	putative protein; protein id: At3g60690.1	0	1.95	2.9	0.09
A009187_01	At3g28270	At14a; protein id: At3g28270.1	0	1.95	1.7	0.67
A018934_01	At5g58410	unknown protein; protein id: At5g58410.1	0	1.95	4.0	0.09
A015634_01	At5g40780	amino acid permease; protein id: At5g40780.1	0	1.95	2.6	0.09
A004243_01	At1g26800	expressed protein; protein id: At1g26800.1	0	1.94	2.1	0.09
A021628_01	At2g32190	expressed protein; protein id: At2g32190.1	0	1.93	2.5	0.09
A021851_01	At5g44580	expressed protein; protein id: At5g44580.1	0	1.93	2.2	0.09
A015984_01	At5g40450	putative protein; protein id: At5g40450.1	0	1.93	2.4	0.09
A003989_01	At1g11210	expressed protein; protein id: At1g11210.1	0	1.93	3.3	0.09
A019892_01	At1g78290	serine-threonine protein kinase, putative; protein id: At1g78290.1	0	1.92	2.2	0.09
A018058_01	At5g66170	senescence-associated protein; protein id: At5g66170.1	0	1.92	2.9	0.09
A024349_01	At1g72900	disease resistance protein (TIR-NBS class), putative; protein id: A	0	1.92	2.1	0.09
A007859_01	At2g45040	putative metalloproteinase; protein id: At2g45040.1	0	1.91	1.2	2.22
A014469_01	At4g28490	leucine-rich repeat transmembrane protein kinase, putative; prote	0	1.91	2.2	0.09
A010383_01	At3g45010	carboxypeptidase precursor-like protein; protein id: At3g45010.1	0	1.91	1.8	0.39
A001567_01	At1g07040	expressed protein; protein id: At1g07040.1	0	1.90	2.5	0.09
A002143_01	At1g30040	unknown protein; protein id: At1g30040.1	0	1.90	1.1	2.76
A019812_01	At3g51860	Ca ²⁺ /H ⁺ -exchanging protein-like; protein id: At3g51860.1	0	1.90	2.3	0.09
A002008_01	At1g47960	expressed protein; protein id: At1g47960.1	0	1.90	1.9	0.16
A008578_01	At2g38400	putative beta-alanine-pyruvate aminotransferase; protein id: At2g	0	1.90	2.7	0.09
A021052_01	At2g34430	photosystem II type I chlorophyll a /b binding protein; protein id: A	0	1.90	1.2	2.59
A016652_01	At5g18130	putative protein; protein id: At5g18130.1	0	1.89	2.1	0.09
A019895_01	At1g44800	nodulin protein, putative; protein id: At1g44800.1	0	1.89	1.3	2.13
A019507_01	At4g28530	NAM / CUC2 -like protein; protein id: At4g28530.1	0	1.89	1.2	2.22
A019174_01	At5g54730	putative protein; protein id: At5g54730.1	0	1.89	2.8	0.09
A004859_01	At1g66760	MATE efflux family protein, putative; protein id: At1g66760.2	0	1.88	1.2	2.59
A022735_01	At3g31390	hypothetical protein; protein id: At3g31390.1	0	1.88	1.8	0.39
A012256_01	At3g10320	unknown protein; protein id: At3g10320.1	0	1.88	2.0	0.16
A003266_01	At1g55920	serine acetyltransferase; protein id: At1g55920.1	0	1.88	1.2	2.38
A019611_01	At5g02230	putative protein; protein id: At5g02230.1	0	1.88	2.0	0.09
A001250_01	At1g03090	putative 3-methylcrotonyl-CoA carboxylase; protein id: At1g03090	0	1.87	3.8	0.09
A018625_01	At5g12400	putative protein; protein id: At5g12400.1	0	1.87	2.3	0.09
A021109_01	At5g53970	putative tyrosine aminotransferase	0	1.86	1.2	2.59
A014858_01	At4g33666	expressed protein; protein id: At4g33666.1	0	1.86	4.4	0.09
A001254_01	At1g18270	unknown protein; protein id: At1g18270.1	0	1.86	2.5	0.09
A020515_01	At5g58350	MAP kinase; protein id: At5g58350.1	0	1.86	1.9	0.16
A015629_01	At5g16370	AMP-binding protein; protein id: At5g16370.1	0	1.85	2.1	0.09

A006046_01	At2g43510	putative trypsin inhibitor; protein id: At2g43510.1	0	1.85	1.9	0.31
A008818_01	At2g41100	calmodulin-like protein; protein id: At2g41100.1	0	1.84	2.8	0.09
A008582_01	At2g36950	expressed protein; protein id: At2g36950.1	0	1.84	2.0	0.09
A007590_01	At2g23450	putative protein kinase; protein id: At2g23450.1	0	1.84	2.0	0.09
A013212_01	At4g15490	UDP-glycosyltransferase, putative; protein id: At4g15490.1	0	1.84	1.2	2.38
A017072_01	At5g16110	putative protein; protein id: At5g16110.1	0	1.84	2.1	0.09
A004408_01	At1g49500	expressed protein; protein id: At1g49500.1	0	1.84	1.6	0.67
A009434_01	At3g57720	protein kinase - like protein; protein id: At3g57720.1	0	1.83	2.4	0.09
A025769_01	At4g34030	putative protein; protein id: At4g34030.1	0	1.83	2.6	0.09
A020460_01	At4g16670	hypothetical protein; protein id: At4g16670.1	0	1.82	1.9	0.39
A024182_01	At1g05560	UDP-glucose transferase(UGT1); protein id: At1g05560.1	0	1.82	1.9	0.39
A022105_01	At1g49200	RING-H2 finger protein RHA3a, putative; protein id: At1g49200.1	0	1.82	1.2	2.38
A010805_01	At3g03870	expressed protein; protein id: At3g03870.1	0	1.82	2.8	0.09
A019668_01	At3g19030	expressed protein; protein id: At3g19030.1	0	1.81	2.7	0.09
A019724_01	At5g44580	expressed protein; protein id: At5g44580.1	0	1.81	1.9	0.16
A020958_01	At1g53580	glyoxalase II, putative (hydroxyacylglutathione hydrolase); protein	0	1.81	2.0	0.09
A011815_01	At3g05900	unknown protein; protein id: At3g05900.1	0	1.80	1.2	2.38
A013417_01	At4g32480	putative protein; protein id: At4g32480.1	0	1.80	2.3	0.09
A015062_01	At4g38470	protein kinase like protein; protein id: At4g38470.1	0	1.80	2.5	0.09
A006274_01	At2g17036	F-box protein family; protein id: At2g17036.1	0	1.80	1.2	2.59
A010555_01	At3g03470	cytochrome p450, putative; protein id: At3g03470.1	0	1.80	2.4	0.09
A004597_01	At1g23390	Kelch repeat containing F-box protein family; protein id: At1g23390.1	0	1.79	2.4	0.09
A018991_01	At5g21940	unknown protein; protein id: At5g21940.1	0	1.79	1.7	0.55
A018251_01	At5g14360	putative protein; protein id: At5g14360.1	0	1.79	2.4	0.09
A013719_01	At4g15530	pyruvate,orthophosphate dikinase; protein id: At4g15530.1	0	1.78	2.3	0.09
A013537_01	At4g14270	expressed protein; protein id: At4g14270.1	0	1.78	3.2	0.09
A020836_01	At1g05010	1-aminocyclopropane-1-carboxylate oxidase; protein id: At1g05010.1	0	1.78	2.1	0.09
A000851_01	At1g52710	unknown protein; protein id: At1g52710.1	0	1.77	2.1	0.09
A002539_01	At1g32170	xyloglucan endotransglycosylase (XTR4), putative; protein id: At1g32170.1	0	1.77	3.8	0.09
A021093_01	At4g20260	endomembrane-associated protein; protein id: At4g20260.1	0	1.77	2.0	0.09
A014519_01	At4g04460	putative aspartic protease; protein id: At4g04460.1	0	1.77	2.3	0.09
A014967_01	At4g23900	expressed protein; protein id: At4g23900.1	0	1.77	2.3	0.09
A023437_01	At2g38340	DREB-like AP2 domain transcription factor; protein id: At2g38340.1	0	1.76	1.1	2.76
A019544_01	At4g25170	putative protein; protein id: At4g25170.1	0	1.76	2.2	0.09
A004431_01	At1g08630	expressed protein; protein id: At1g08630.1	0	1.76	2.1	0.09
A002473_01	At1g69110	pseudogene, putative ribosomal protein	0	1.76	2.0	0.09
A021978_01	At1g08630	expressed protein; protein id: At1g08630.1	0	1.76	2.0	0.16
A007795_01	At2g47270	expressed protein; protein id: At2g47270.1	0	1.76	2.4	0.09
A011437_01	At3g07350	expressed protein; protein id: At3g07350.1	0	1.76	1.2	2.38
A021954_01	At2g05380	expressed protein; protein id: At2g05380.1	0	1.75	1.1	2.76
A020828_01	At3g19580	zinc finger protein, putative; protein id: At3g19580.1	0	1.75	2.0	0.09
A007347_01	At2g23320	WRKY family transcription factor; protein id: At2g23320.1	0	1.75	2.3	0.09
A006227_01	At2g30230	hypothetical protein; protein id: At2g30230.1	0	1.74	1.9	0.16
A006826_01	At2g19570	putative cytidine deaminase; protein id: At2g19570.1	0	1.74	1.5	0.99
A021937_01	At1g14870	unknown protein; protein id: At1g14870.1	0	1.74	3.0	0.09

A025739_01	At1g73310	putative serine carboxypeptidase; protein id: At1g73310.1	0	1.73	3.2	0.09
A001212_01	At1g56220	expressed protein; protein id: At1g56220.1	0	1.73	1.9	0.39
A018949_01	At5g22270	putative protein; protein id: At5g22270.1	0	1.73	2.7	0.09
A024994_01	At4g05120	putative protein; protein id: At4g05120.1	0	1.73	1.2	2.59
A012839_01	At3g08860	putative aminotransferase; protein id: At3g08860.1	0	1.72	1.1	3.25
A025873_01	At5g16970	quinone oxidoreductase -like protein; protein id: At5g16970.1	0	1.72	1.1	2.76
A015879_01	At5g57340	expressed protein; protein id: At5g57340.1	0	1.72	3.0	0.09
A007148_01	At2g42750	expressed protein; protein id: At2g42750.1	0	1.72	2.9	0.09
A003960_01	At1g14130	dioxygenase-like protein; protein id: At1g14130.1	0	1.72	2.1	0.09
A004495_01	At1g68520	CONSTANS B-box zinc finger family protein; protein id: At1g68520.1	0	1.71	2.9	0.09
A022401_01	At4g23400	water channel - like protein; protein id: At4g23400.1	0	1.71	2.4	0.09
A002855_01	At1g32700	expressed protein; protein id: At1g32700.1	0	1.70	1.8	0.39
A006235_01	At2g42790	putative citrate synthase; protein id: At2g42790.1	0	1.69	1.8	0.42
A001671_01	At1g27980	sphingosine-1-phosphate lyase, putative; protein id: At1g27980.1	0	1.68	1.9	0.31
A002244_01	At1g53560	expressed protein; protein id: At1g53560.1	0	1.68	2.8	0.09
A020352_01	At4g39090	cysteine proteinase RD19A; protein id: At4g39090.1	0	1.68	1.7	0.55
A001197_01	At1g27320	putative sensory transduction histidine kinase; protein id: At1g27320.1	0	1.68	1.9	0.31
A013714_01	At4g01610	cathepsin B-like cysteine protease, putative; protein id: At4g01610.1	0	1.67	2.0	0.16
A016924_01	At5g42200	putative protein; protein id: At5g42200.1	0	1.67	2.8	0.09
A008664_01	At2g45170	AtAPG8e; putative microtubule-associated protein; protein id: At2g45170.1	0	1.67	2.5	0.09
A002045_01	At1g74670	GAST1-like protein; protein id: At1g74670.1	0	1.67	1.5	0.88
A006603_01	At2g32440	ent-kaurenoic acid oxidase (cytochrome P450 family); protein id: At2g32440.1	0	1.66	2.4	0.09
A009328_01	At3g56880	putative protein; protein id: At3g56880.1	0	1.66	1.6	0.76
A022126_01	At3g23000	SNF1 related protein kinase (ATSRPK1); protein id: At3g23000.1	0	1.66	1.3	1.72
A025924_01	At4g30470	cinnamoyl-CoA reductase - like protein; protein id: At4g30470.1	0	1.65	1.8	0.39
A006421_01	At2g38230	similar to SOR1 from the fungus <i>Cercospora nicotianae</i> ; protein id: At2g38230.1	0	1.65	2.4	0.09
A017640_01	At5g57910	putative protein; protein id: At5g57910.1	0	1.65	2.1	0.09
A025727_01	At4g37560	formamidase - like protein; protein id: At4g37560.1	0	1.65	1.1	2.76
A025998_01	At1g02300	cathepsin B-like cysteine protease, putative; protein id: At1g02300.1	0	1.65	2.6	0.09
A005845_01	xxxx	b/t At1g65840 and At1g65850 Chr1 C/24093474-24093529	0	1.65	1.3	2.22
A025777_01	At4g34030	putative protein; protein id: At4g34030.1	0	1.65	2.3	0.09
A007325_01	At2g45820	remorin; protein id: At2g45820.1	0	1.64	3.3	0.09
A007429_01	At2g26690	putative nitrate transporter; protein id: At2g26690.1	0	1.64	2.0	0.16
A006099_01	At2g35680	expressed protein; protein id: At2g35680.1	0	1.63	1.8	0.39
A024663_01	At1g14370	protein kinase; protein id: At1g14370.1	0	1.63	2.0	0.16
A026002_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g07440.1	0	1.63	3.1	0.09
A001093_01	At1g79270	expressed protein; protein id: At1g79270.1	0	1.62	2.3	0.09
A017758_01	At5g11070	putative protein; protein id: At5g11070.1	0	1.62	2.4	0.09
A006897_01	At2g32880	unknown protein; protein id: At2g32880.1	0	1.62	1.1	2.76
A010619_01	At3g26510	unknown protein; protein id: At3g26510.1	0	1.62	1.7	0.67
A009107_01	At3g57520	glycosyl hydrolase family 36; protein id: At3g57520.1	0	1.62	2.4	0.09
A002210_01	At1g43670	fructose 1,6-bisphosphatase, putative; protein id: At1g43670.1	0	1.62	2.7	0.09
A024599_01	At2g25080	glutathione peroxidase, putative; protein id: At2g25080.1	0	1.61	2.2	0.09
A020045_01	At3g26740	light regulated protein, putative; protein id: At3g26740.1	0	1.61	2.7	0.09
A017848_01	At5g59960	putative protein; protein id: At5g59960.1	0	1.61	2.4	0.09

A014947_01	At4g03510	E3 ubiquitin ligase, RMA1; protein id: At4g03510.1	0	1.61	2.8	0.09
A015543_01	At5g13180	NAM-like protein; protein id: At5g13180.1	0	1.61	1.9	0.31
A012749_01	At3g59060	putative protein; protein id: At3g59060.1	0	1.60	2.1	0.09
A019608_01	At3g45970	putative protein; protein id: At3g45970.1	0	1.60	1.9	0.31
A000612_01	At1g13245	expressed protein; protein id: At1g13245.1	0	1.60	2.1	0.09
A004511_01	At1g15740	expressed protein; protein id: At1g15740.1	0	1.60	1.8	0.39
A016817_01	At5g60680	putative protein; protein id: At5g60680.1	0	1.60	2.8	0.09
A013875_01	At4g08290	nodulin-like protein; protein id: At4g08290.1	0	1.60	1.2	2.59
A020686_01	At2g36630	unknown protein; protein id: At2g36630.1	0	1.60	1.9	0.39
A019046_01	At5g57630	SNF1 related protein kinase-like protein; protein id: At5g57630.1	0	1.59	2.5	0.09
A007993_01	At2g31810	putative acetolactate synthase; protein id: At2g31810.1	0	1.59	2.3	0.09
A015339_01	At4g00780	coded for by A. thaliana cDNA T20615; protein id: At4g00780.1	0	1.59	1.3	2.13
A004915_01	At1g60140	trehalose-6-phosphate synthase, putative; protein id: At1g60140.1	0	1.59	2.8	0.09
A005086_01	At1g22930	unknown protein; protein id: At1g22930.1	0	1.59	2.0	0.09
A024421_01	At5g02020	putative protein; protein id: At5g02020.1	0	1.59	1.8	0.39
A011307_01	At3g59210	putative protein; protein id: At3g59210.1	0	1.59	1.6	0.88
A020273_01	At5g57655	expressed protein; protein id: At5g57655.2	0	1.58	2.1	0.09
A004921_01	At1g08920	putative sugar transport protein, ERD6; protein id: At1g08920.1	0	1.58	1.1	2.76
A025061_01	At3g28100	unknown protein; protein id: At3g28100.1	0	1.58	2.1	0.09
A025847_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g07440.1	0	1.58	3.2	0.09
A025997_01	At3g26180	cytochrome p450 family; protein id: At3g26180.1	0	1.58	1.8	0.39
A012502_01	At3g07870	F-box protein family; protein id: At3g07870.1	0	1.58	2.6	0.09
A006761_01	At2g31880	leucine-rich repeat transmembrane protein kinase, putative; protein id: At2g31880.1	0	1.58	1.9	0.31
A016988_01	At5g57685	unknown protein; protein id: At5g57685.1	0	1.58	2.0	0.16
A021760_01	At1g70670	Ca ²⁺ -binding EF-hand common family protein, putative; protein id: At1g70670.1	0	1.58	2.3	0.09
A003538_01	At1g03610	expressed protein; protein id: At1g03610.1	0	1.57	2.7	0.09
A006763_01	At2g05160	RRM-containing protein; protein id: At2g05160.1	0	1.57	1.1	2.76
A001495_01	At1g52890	NAM-like protein; protein id: At1g52890.1	0	1.57	2.0	0.09
A020192_01	At2g27150	aldehyde oxidase; protein id: At2g27150.1	0	1.57	2.0	0.16
A011726_01	At3g15353	expressed protein; protein id: At3g15353.1	0	1.56	1.3	2.22
A024373_01	At3g20083	pseudogene, cytochrome P450; protein id: At3g20083	0	1.56	2.1	0.09
A000120_01	At1g69600	hypothetical protein; protein id: At1g69600.1	0	1.56	1.1	2.76
A004588_01	At1g67920	expressed protein; protein id: At1g67920.1	0	1.56	2.0	0.09
A020145_01	xxxx	No hits found	0	1.56	2.1	0.09
A020225_01	At3g62550	putative protein; protein id: At3g62550.1	0	1.55	2.0	0.09
A005557_01	At3g51890	putative protein; protein id: At3g51890.1	0	1.55	3.6	0.09
A008773_01	At2g32860	glycosyl hydrolase family 1; protein id: At2g32860.1	0	1.55	1.1	3.25
A015182_01	At4g13830	DnaJ-like protein; protein id: At4g13830.1	0	1.55	2.1	0.09
A024610_01	At4g19840	lectin like protein; protein id: At4g19840.1	0	1.55	1.6	0.67
A008742_01	At2g33380	RD20 protein; protein id: At2g33380.1	0	1.55	1.1	2.76
A020070_01	At1g22740	ras-related GTP-binding protein (Rab7); protein id: At1g22740.1	0	1.54	1.5	0.99
A002696_01	At1g55510	branched-chain alpha-keto acid decarboxylase E1 beta subunit; protein id: At1g55510.1	0	1.54	3.3	0.09
A017073_01	At5g23660	MtN3-like protein; protein id: At5g23660.1	0	1.54	2.3	0.09
A025274_01	At3g51430	strictosidine synthase-related; protein id: At3g51430.1	0	1.54	2.0	0.09
A013805_01	At4g21980	AtAPG8a; symbiosis-related like protein; protein id: At4g21980.1	0	1.54	2.0	0.16

A017311_01	At5g13330	putative protein; protein id: At5g13330.1	0	1.54	2.3	0.09
A005562_01	At1g23870	trehalose 6-phosphate synthase, putative; protein id: At1g23870.1	0	1.54	2.6	0.09
A019247_01	At5g06860	polygalacturonase inhibiting protein (PGIP1); protein id: At5g06860.1	0	1.53	2.0	0.09
A006771_01	At2g35900	hypothetical protein; protein id: At2g35900.1	0	1.53	2.7	0.09
A015351_01	At4g28240	putative wound induced protein; protein id: At4g28240.1	0	1.53	1.4	1.29
A018157_01	At5g62540	ubiquitin-conjugating enzyme E2-17 kd 3ubiquitin-protein ligase 3	0	1.53	2.6	0.09
A021085_01	At5g26340	hexose transporter - like protein; protein id: At5g26340.1	0	1.53	2.5	0.09
A005009_01	xxxx	b/t unknown protein; protein id: At1g49030.1 and unknown protein	0	1.52	3.0	0.09
A017387_01	At5g45800	leucine-rich repeat transmembrane protein kinase, putative; protein id: At5g45800.1	0	1.52	2.6	0.09
A024578_01	At3g17810	dehydrogenase, putative; protein id: At3g17810.1	0	1.52	2.1	0.09
A011862_01	At3g54140	peptide transport - like protein; protein id: At3g54140.1	0	1.52	2.4	0.09
A017595_01	At5g01880	putative protein; protein id: At5g01880.1	0	1.52	2.5	0.09
A012825_01	At3g29240	chloroplast lumen common protein family; protein id: At3g29240.1	0	1.52	2.8	0.09
A004931_01	At1g21000	expressed protein; protein id: At1g21000.1	0	1.52	1.4	1.29
A012747_01	At3g15450	expressed protein; protein id: At3g15450.1	0	1.52	1.4	1.29
A013429_01	At4g01330	putative protein kinase; protein id: At4g01330.1	0	1.51	2.3	0.09
A014276_01	At4g13530	putative protein; protein id: At4g13530.1	0	1.51	1.9	0.16
A020633_01	At4g36040	DnaJ-like protein; protein id: At4g36040.1	0	1.51	1.6	0.67
A007301_01	At2g26670	heme oxygenase 1 (HO1); protein id: At2g26670.1	0	1.51	2.1	0.09
A021335_01	At4g15700	glutaredoxin homolog; protein id: At4g15700.1	0	1.51	2.0	0.16
A009165_01	At3g26100	expressed protein; protein id: At3g26100.1	0	1.51	1.5	1.00
A020868_01	At3g10020	expressed protein; protein id: At3g10020.1	0	1.51	3.0	0.09
A002088_01	At1g25550	expressed protein; protein id: At1g25550.1	0	1.51	1.1	3.25
A023277_01	At1g47540	trypsin inhibitor 2, putative; protein id: At1g47540.1	0	1.51	2.9	0.09
A007844_01	At2g36320	expressed protein; protein id: At2g36320.1	0	1.50	2.8	0.09
A016411_01	At5g03180	putative protein; protein id: At5g03180.1	0	1.50	1.9	0.31
A002441_01	At1g27100	unknown protein; protein id: At1g27100.1	0	1.50	1.9	0.31
A006811_01	At2g13360	alanine-glyoxylate aminotransferase; protein id: At2g13360.1	0	1.50	2.9	0.09
A001784_01	At1g73870	CONSTANS B-box zinc finger family protein; protein id: At1g73870.1	0	1.50	1.1	2.76
A024299_01	At3g12020	kinesin-related protein; protein id: At3g12020.1	0	1.50	2.2	0.09
A009088_01	At3g04910	putative mitogen activated protein kinase kinase; protein id: At3g04910.1	0	1.49	2.1	0.09
A004542_01	At1g55810	uracil phosphoribosyltransferase, putative; protein id: At1g55810.1	0	1.49	3.0	0.09
A011777_01	At3g13445	transcription initiation factor TFIID-1 (TATA sequence-binding protein); protein id: At3g13445.1	0	1.49	2.1	0.09
A020144_01	At1g68440	expressed protein; protein id: At1g68440.1	0	1.49	2.1	0.09
A023658_01	At2g36080	putative DNA-binding protein RAV2; protein id: At2g36080.1	0	1.49	2.2	0.09
A009305_01	At3g22750	expressed protein; protein id: At3g22750.1	0	1.49	2.0	0.09
A019031_01	At5g64240	expressed protein; protein id: At5g64240.1	0	1.48	1.2	2.38
A018240_01	At5g12010	putative protein; protein id: At5g12010.1	0	1.48	1.8	0.42
A025947_01	At1g72900	disease resistance protein (TIR-NBS class), putative; protein id: At1g72900.1	0	1.48	1.6	0.88
A010658_01	At3g55610	delta-1-pyrroline-5-carboxylate synthetase; protein id: At3g55610.1	0	1.48	1.9	0.39
A004165_01	At1g01240	expressed protein; protein id: At1g01240.1	0	1.48	2.6	0.09
A019057_01	At5g43260	expressed protein; protein id: At5g43260.1	0	1.48	2.4	0.09
A002515_01	At1g07590	DNA-binding protein, putative; protein id: At1g07590.1	0	1.48	1.1	2.76
A012748_01	At3g48580	xyloglucan endotransglycosylase, putative; protein id: At3g48580.1	0	1.48	1.1	2.76
A024682_01	At5g40890	CLC-a chloride channel protein; protein id: At5g40890.1	0	1.48	1.4	1.29

A015167_01	At4g31390	similar to putative ABC transporter; protein id: At4g31390.1	0	1.47	1.2	2.38
A002073_01	At1g47128	cysteine proteinase RD21A; protein id: At1g47128.1	0	1.47	1.6	0.76
A003567_01	At1g64660	methionine/cystathionine gamma lyase, putative; protein id: At1g64660.1	0	1.47	2.6	0.09
A012695_01	At3g62260	protein phosphatase 2C (PP2C); protein id: At3g62260.1	0	1.47	1.7	0.55
A020076_01	At3g13450	branched chain alpha-keto acid dehydrogenase E1 beta subunit; protein id: At3g13450.1	0	1.47	2.4	0.09
A015866_01	At5g22920	PGPD14 protein; protein id: At5g22920.1	0	1.47	1.7	0.55
A015279_01	At4g16690	cyanohydrin lyase like protein; protein id: At4g16690.1	0	1.47	1.9	0.16
A017044_01	At5g64840	ABC transporter family protein; protein id: At5g64840.1	0	1.47	2.0	0.16
A010617_01	At3g05160	putative sugar transporter; protein id: At3g05160.1	0	1.47	2.5	0.09
A018110_01	At5g59960	putative protein; protein id: At5g59960.1	0	1.46	1.6	0.67
A007781_01	At2g21620	auxin-regulated protein; protein id: At2g21620.2	0	1.46	2.8	0.09
A006596_01	At2g29350	putative tropinone reductase; protein id: At2g29350.1	0	1.46	1.7	0.67
A007860_01	At2g03310	hypothetical protein; protein id: At2g03310.1	0	1.46	2.1	0.09
A014705_01	At4g35750	putative protein; protein id: At4g35750.1	0	1.46	1.6	0.76
A011007_01	At3g11930	ethylene-responsive protein, putative; protein id: At3g11930.2	0	1.45	1.9	0.31
A019954_01	At1g71040	spore coat protein-like protein; protein id: At1g71040.1	0	1.45	2.7	0.09
A020710_01	At1g71030	myb family transcription factor; protein id: At1g71030.1	0	1.45	2.8	0.09
A005182_01	At2g28305	expressed protein; protein id: At2g28305.1	0	1.45	1.7	0.55
A001136_01	At1g21410	F-box protein family; protein id: At1g21410.1	0	1.45	1.9	0.39
A014161_01	At4g36760	aminopeptidase-like protein; protein id: At4g36760.1	0	1.45	2.7	0.09
A014186_01	At4g36730	G-box-binding factor 1; protein id: At4g36730.1	0	1.45	2.0	0.16
A007065_01	At2g38910	putative calcium-dependent protein kinase; protein id: At2g38910.1	0	1.45	2.9	0.09
A005981_01	At1g20620	catalase 3; protein id: At1g20620.1	0	1.44	2.0	0.09
A009836_01	At3g01970	WRKY family transcription factor; protein id: At3g01970.1	0	1.44	1.1	3.25
A011094_01	At3g21790	putative UDP-glucose glucosyltransferase; protein id: At3g21790.1	0	1.44	2.0	0.09
A017547_01	At5g55970	putative protein; protein id: At5g55970.1	0	1.44	1.8	0.39
A002762_01	At1g52880	NAM-like protein; protein id: At1g52880.1	0	1.44	2.1	0.09
A012694_01	At3g26580	unknown protein; protein id: At3g26580.1	0	1.44	2.0	0.09
A014295_01	At4g11570	putative protein; protein id: At4g11570.1	0	1.44	2.6	0.09
A022324_01	At4g21930	putative protein; protein id: At4g21930.1	0	1.44	1.2	2.38
A003537_01	At1g63800	E2, ubiquitin-conjugating enzyme 5 (UBC5); protein id: At1g63800.1	0	1.43	2.7	0.09
A020343_01	At3g21870	PREG-like protein, putative; protein id: At3g21870.1	0	1.43	3.0	0.09
A020105_01	At5g04760	I-box binding factor - like protein; protein id: At5g04760.1	0	1.43	1.5	0.99
A007075_01	At2g21180	expressed protein; protein id: At2g21180.1	0	1.43	1.9	0.31
A016682_01	At5g54660	expressed protein; protein id: At5g54660.1	0	1.42	1.4	1.00
A018308_01	At5g16360	putative protein; protein id: At5g16360.1	0	1.42	1.6	0.88
A015331_01	At4g24040	glycosyl hydrolase family 37 (trehalase); protein id: At4g24040.1	0	1.42	1.8	0.39
A017128_01	At5g51070	ATP-dependent Clp protease ATP-binding subunit (ClpD), ERD1	0	1.42	2.0	0.16
A004048_01	At1g18470	expressed protein; protein id: At1g18470.1	0	1.41	2.2	0.09
A007704_01	At2g39570	expressed protein; protein id: At2g39570.1	0	1.41	2.2	0.09
A008214_01	At2g07000	unknown protein; protein id: At2g07000.1	0	1.41	1.1	3.25
A016980_01	At5g55700	glycosyl hydrolase family 14 (beta-amylase); protein id: At5g55700.1	0	1.41	1.5	0.99
A024538_01	At3g06850	branched chain alpha-keto acid dehydrogenase E2 subunit; protein id: At3g06850.1	0	1.41	3.3	0.09
A016244_01	At5g16120	lipase-like protein; protein id: At5g16120.1	0	1.41	2.6	0.09
A018147_01	At5g54170	membrane related protein-like; protein id: At5g54170.1	0	1.41	2.5	0.09

A020289_01	At1g21680	expressed protein; protein id: At1g21680.1	0	1.40	2.2	0.09
A003614_01	At1g33050	unknown protein; protein id: At1g33050.1	0	1.40	2.0	0.09
A012838_01	At3g47160	RNA-binding protein-like protein; protein id: At3g47160.1	0	1.40	1.8	0.42
A018041_01	At5g19120	conglutin gamma - like protein; protein id: At5g19120.1	0	1.40	1.7	0.55
A019466_01	At5g54250	cyclic nucleotide-regulated ion channel (CNGC4); protein id: At5g	0	1.40	2.2	0.09
A020955_01	At2g16700	actin depolymerizing factor 5; protein id: At2g16700.1	0	1.40	2.2	0.09
A013000_01	At4g34350	putative protein; protein id: At4g34350.1	0	1.39	1.8	0.42
A011820_01	At3g56360	putative protein; protein id: At3g56360.1	0	1.39	2.0	0.09
A011781_01	At3g51920	putative calmodulin; protein id: At3g51920.1	0	1.39	1.5	0.88
A002488_01	At1g76110	unknown protein; protein id: At1g76110.1	0	1.39	2.2	0.09
A014274_01	At4g12830	hydrolase-like protein; protein id: At4g12830.1	0	1.39	3.0	0.09
A006724_01	At2g22680	copa-like retroelement pol polyprotein; protein id: At2g22680.1	0	1.39	1.3	2.22
A003736_01	At1g68230	unknown protein; protein id: At1g68230.1	0	1.38	2.1	0.09
A002220_01	At1g62370	hypothetical protein; protein id: At1g62370.1	0	1.38	1.8	0.39
A007073_01	At2g16660	nodulin-like protein; protein id: At2g16660.1	0	1.38	2.3	0.09
A006944_01	At2g44490	glycosyl hydrolase family 1; protein id: At2g44490.1	0	1.38	1.6	0.88
A013470_01	At4g03560	putative calcium channel; protein id: At4g03560.1	0	1.38	1.9	0.16
A021873_01	At5g18630	triacylglycerol lipase-like protein; protein id: At5g18630.1	0	1.37	2.6	0.09
A017277_01	At5g17860	potassium-dependent sodium-calcium exchanger - like protein; p	0	1.37	1.7	0.55
A018153_01	At5g21020	putative protein; protein id: At5g21020.1	0	1.37	1.7	0.55
A024501_01	At4g32060	putative protein; protein id: At4g32060.1	0	1.37	1.4	1.29
A011429_01	At3g20250	pumilio-family RNA-binding protein, putative; protein id: At3g2025	0	1.37	1.6	0.88
A011631_01	At3g61260	putative DNA-binding protein; protein id: At3g61260.1	0	1.37	2.0	0.09
A008667_01	At2g46030	E2, ubiquitin-conjugating enzyme 6 (UBC6); protein id: At2g46030	0	1.37	2.1	0.09
A001240_01	At1g28260	hypothetical protein; protein id: At1g28260.1	0	1.37	2.3	0.09
A007966_01	At2g31800	putative protein kinase; protein id: At2g31800.1	0	1.37	3.1	0.09
A023623_01	At2g31560	unknown protein; protein id: At2g31560.1	0	1.36	1.7	0.55
A001247_01	At1g50420	scarecrow-like 3; protein id: At1g50420.1	0	1.36	1.7	0.55
A017360_01	At5g47860	putative protein; protein id: At5g47860.1	0	1.36	1.9	0.31
A017656_01	At5g45900	AtAPG7; ubiquitin activating enzyme E1-like protein; protein id: At	0	1.36	1.3	2.22
A021035_01	At5g63190	topoisomerase, putative; protein id: At5g63190.1	0	1.36	2.1	0.09
A024636_01	At1g23310	putative alanine aminotransferase; protein id: At1g23310.1	0	1.36	1.8	0.42
A017664_01	At5g46760	bHLH protein; protein id: At5g46760.1	0	1.35	2.5	0.09
A024350_01	At1g62570	flavin-containing monooxygenase, putative; protein id: At1g62570	0	1.35	2.0	0.09
A017871_01	At5g10830	embryonic abundant protein -like; protein id: At5g10830.1	0	1.35	2.7	0.09
A009530_01	At3g21550	expressed protein; protein id: At3g21550.1	0	1.35	1.8	0.39
A004528_01	At1g08570	putative thioredoxin; protein id: At1g08570.1	0	1.35	1.6	0.88
A015639_01	At5g25130	cytochrome p450 family; protein id: At5g25130.1	0	1.35	2.2	0.09
A025408_01	At2g22920	putative serine carboxypeptidase I; protein id: At2g22920.1	0	1.35	1.5	0.88
A002438_01	At1g75410	BEL1-like homeodomain 3 protein (BLH3); protein id: At1g75410.	0	1.35	1.9	0.31
A020645_01	At2g01490	expressed protein; protein id: At2g01490.1	0	1.35	1.9	0.39
A016420_01	At5g02160	putative protein	0	1.35	1.3	2.13
A013435_01	At4g01600	putative ABA-repsponsive protein; protein id: At4g01600.1	0	1.34	1.3	1.72
A021309_01	At4g01060	myb family transcription factor; protein id: At4g01060.1	0	1.34	1.2	2.59
A014229_01	At4g10080	putative protein; protein id: At4g10080.1	0	1.34	1.8	0.39

A007794_01	At2g01850	xyloglucan endotransglycosylase (EXGT-A3); protein id: At2g018	0	1.34	2.6	0.09
A024588_01	At4g37300	putative protein; protein id: At4g37300.1	0	1.33	1.8	0.42
A005629_01	At5g21170	AKIN beta1; protein id: At5g21170.1	0	1.33	2.3	0.09
A009525_01	At3g53420	plasma membrane intrinsic protein 2a; protein id: At3g53420.1	0	1.33	1.4	1.00
A014919_01	At4g38060	putative protein; protein id: At4g38060.1	0	1.33	1.7	0.67
A010863_01	At3g21420	expressed protein; protein id: At3g21420.1	0	1.33	1.8	0.39
A015498_01	At5g10930	serine/threonine protein kinase -like protein; protein id: At5g10930	0	1.33	1.1	3.25
A024689_01	At5g48160	putative protein; protein id: At5g48160.1	0	1.33	1.4	1.29
A013086_01	At4g21580	putative NADPH quinone oxidoreductase; protein id: At4g21580.1	0	1.33	2.3	0.09
A022436_01	At4g37560	formamidase - like protein; protein id: At4g37560.1	0	1.33	1.2	2.38
A010323_01	At3g52480	putative protein; protein id: At3g52480.1	0	1.33	1.6	0.76
A009890_01	At3g30775	hypothetical protein; protein id: At3g30775.1	0	1.32	2.5	0.09
A007433_01	At2g45220	pectinesterase family; protein id: At2g45220.1	0	1.32	2.0	0.16
A009105_01	At3g09830	putative protein kinase; protein id: At3g09830.1	0	1.32	2.5	0.09
A018637_01	At5g52630	selenium-binding protein-like; protein id: At5g52630.1	0	1.32	2.5	0.09
A000639_01	At1g16320	unknown protein; protein id: At1g16320.1	0	1.32	1.9	0.31
A024456_01	At1g58032	hypothetical protein; protein id: At1g58032.1	0	1.32	1.9	0.31
A020795_01	At1g72150	cytosolic factor, putative; protein id: At1g72150.1	0	1.32	2.1	0.09
A004682_01	At1g09970	leucine-rich repeat transmembrane protein kinase, putative; prote	0	1.32	2.5	0.09
A018270_01	At5g24120	sigma-like factor (emb CAA77213.1); protein id: At5g24120.1	0	1.32	1.5	0.88
A002118_01	At1g78080	AP2 domain protein RAP2.4; protein id: At1g78080.1	0	1.31	2.4	0.09
A000652_01	At1g29050	expressed protein; protein id: At1g29050.1	0	1.31	2.2	0.09
A003544_01	At1g16720	unknown protein; protein id: At1g16720.1	0	1.31	1.8	0.39
A008007_01	At2g14170	putative methylmalonate semi-aldehyde dehydrogenase; protein i	0	1.31	2.3	0.09
A009557_01	At3g12320	expressed protein; protein id: At3g12320.1	0	1.31	1.1	2.76
A000856_01	At1g27300	expressed protein; protein id: At1g27300.1	0	1.30	1.7	0.67
A019698_01	At5g63790	putative protein; protein id: At5g63790.1	0	1.30	1.4	1.50
A024249_01	At2g40140	putative CCCH-type zinc finger protein; protein id: At2g40140.1	0	1.30	1.9	0.31
A001392_01	At1g19660	expressed protein; protein id: At1g19660.1	0	1.30	1.8	0.42
A001418_01	At1g75220	integral membrane protein, putative; protein id: At1g75220.1	0	1.30	2.0	0.09
A001874_01	At1g72680	putative cinnamyl-alcohol dehydrogenase; protein id: At1g72680.	0	1.30	2.2	0.09
A014046_01	At4g25000	alpha-amylase - like protein; protein id: At4g25000.1	0	1.30	2.5	0.09
A020109_01	At1g50290	expressed protein; protein id: At1g50290.1	0	1.30	1.4	1.29
A024396_01	At1g55960	membrane related protein CP5, putative; protein id: At1g55960.1	0	1.30	2.1	0.09
A009139_01	At3g51600	non-specific lipid transfer protein; protein id: At3g51600.1	0	1.30	1.8	0.39
A021796_01	At3g05880	low temperature and salt responsive protein LT16A; protein id: At3	0	1.30	2.0	0.09
A018423_01	At5g58120	disease resistance protein (TIR-NBS-LRR class), putative; protei	0	1.30	2.0	0.09
A012379_01	At3g16110	putative protein disulfide isomerase; protein id: At3g16110.1	0	1.29	2.1	0.09
A012847_01	At3g15810	expressed protein; protein id: At3g15810.1	0	1.29	2.2	0.09
A007064_01	At2g38870	putative protease inhibitor; protein id: At2g38870.1	0	1.29	3.0	0.09
A006030_01	At2g40880	putative cysteine proteinase inhibitor B (cystatin B); protein id: At2	0	1.29	2.0	0.09
A017783_01	At5g06980	expressed protein; protein id: At5g06980.1	0	1.29	1.4	1.29
A019926_01	At1g77920	bZIP transcription factor, bZIP50; protein id: At1g77920.1	0	1.29	2.4	0.09
A014769_01	At4g02380	coded for by A. thaliana cDNA T46835; protein id: At4g02380.1	0	1.28	2.5	0.09
A024664_01	At3g10450	putative glucose acyltransferase; protein id: At3g10450.1	0	1.28	1.6	0.76

A000814_01	At1g74840	myb family transcription factor; protein id: At1g74840.1	0	1.28	1.6	0.76
A000567_01	At1g22190	AP2 domain transcription factor RAP2, putative; protein id: At1g22190.1	0	1.28	1.6	0.88
A025944_01	At5g43060	cysteine protease component of protease-inhibitor complex; protein id: At5g43060.1	0	1.28	2.1	0.09
A024219_01	At5g57710	101 kDa heat shock protein; HSP101-like protein; protein id: At5g57710.1	0	1.28	2.2	0.09
A010518_01	At3g50770	calmodulin-like protein; protein id: At3g50770.1	0	1.28	2.3	0.09
A002798_01	At1g53570	MAP3K alpha protein kinase, putative; protein id: At1g53570.1	0	1.27	1.8	0.42
A020344_01	At2g29420	glutathione transferase, putative; protein id: At2g29420.1	0	1.27	1.6	0.67
A020751_01	not annotated	Chr1 W/25637330-25637399	0	1.27	1.3	1.72
A006935_01	At2g26170	thromboxane-A synthase(cytochrome p450 family), putative; protein id: At2g26170.1	0	1.27	1.4	1.29
A011227_01	At3g60420	putative protein; protein id: At3g60420.1	0	1.27	1.1	2.76
A014068_01	At4g23870	putative protein	0	1.27	2.2	0.09
A018911_01	At5g19140	aluminium-induced protein - like; protein id: At5g19140.1	0	1.27	1.5	0.99
A000795_01	At1g66980	kinase, putative; protein id: At1g66980.1	0	1.27	1.9	0.39
A011957_01	At3g06210	hypothetical protein; protein id: At3g06210.1	0	1.27	2.2	0.09
A007160_01	At2g35770	putative serine carboxypeptidase II; protein id: At2g35770.1	0	1.27	2.5	0.09
A003675_01	At1g70520	putative protein kinase; protein id: At1g70520.1	0	1.27	1.9	0.39
A021131_01	At1g76180	dehydrin, putative; protein id: At1g76180.1	0	1.27	2.7	0.09
A002491_01	At1g11380	expressed protein; protein id: At1g11380.1	0	1.26	3.0	0.09
A010065_01	At3g14610	cytochrome P450, putative; protein id: At3g14610.1	0	1.26	2.1	0.09
A017890_01	At5g23050	acetyl-CoA synthetase-like protein; protein id: At5g23050.1	0	1.26	1.7	0.55
A014457_01	At4g31510	putative protein; protein id: At4g31510.1	0	1.26	2.0	0.09
A021913_01	xxxx	b/t pseudogene, putative retroelement pol polyprotein; protein id: At21913.1	0	1.26	1.5	1.00
A010579_01	At3g54880	putative protein; protein id: At3g54880.1	0	1.26	2.3	0.09
A017867_01	At5g05110	putative cysteine proteinase inhibitor	0	1.26	1.7	0.42
A007530_01	At2g03550	putative esterase; protein id: At2g03550.1	0	1.26	1.8	0.39
A012732_01	At3g06810	acetyl-coA dehydrogenase, putative; protein id: At3g06810.1	0	1.26	1.9	0.16
A011763_01	At3g14990	4-methyl-5-(b-hydroxyethyl)-thiazole monophosphate biosynthesis	0	1.26	1.8	0.39
A006056_01	At2g37970	expressed protein; protein id: At2g37970.1	0	1.25	1.4	1.50
A007311_01	At2g25900	putative CCCH-type zinc finger protein; protein id: At2g25900.1	0	1.25	1.5	1.00
A021199_01	At3g24420	unknown protein; protein id: At3g24420.1	0	1.25	1.3	2.13
A010464_01	At3g19900	expressed protein; protein id: At3g19900.1	0	1.25	1.9	0.31
A007768_01	At2g42620	F-box protein ORE9, AtFBL7; protein id: At2g42620.1	0	1.25	2.1	0.09
A020530_01	At1g29240	unknown protein; protein id: At1g29240.1	0	1.25	2.5	0.09
A019587_01	At4g09030	arabinogalactan-protein (AGP10); protein id: At4g09030.1	0	1.24	1.6	0.88
A020053_01	At3g14067	subtilisin-like serine protease, putative; protein id: At3g14067.1	0	1.24	1.3	2.22
A021249_01	At1g07610	metallothionein-like protein; protein id: At1g07610.1	0	1.24	1.6	0.88
A008481_01	At2g21120	unknown protein; protein id: At2g21120.1	0	1.24	2.0	0.09
A009583_01	At3g47250	putative protein; protein id: At3g47250.1	0	1.24	1.6	0.88
A020189_01	At3g16857	ARR1 protein, putative; protein id: At3g16857.1	0	1.23	1.8	0.39
A014571_01	At4g28270	putative protein; protein id: At4g28270.1	0	1.23	1.4	1.50
A020009_01	At5g07220	putative protein; protein id: At5g07220.1	0	1.23	1.4	1.29
A025585_01	At1g63370	flavin-binding monooxygenase, putative; protein id: At1g63370.1	0	1.23	1.9	0.16
A000653_01	At1g11530	thioredoxin h, putative; protein id: At1g11530.1	0	1.23	1.8	0.42
A002126_01	At1g02850	glycosyl hydrolase family 1; protein id: At1g02850.1	0	1.23	2.1	0.09
A004177_01	At1g63180	uridine diphosphate glucose epimerase, putative; protein id: At1g63180.1	0	1.23	2.4	0.09

A015105_01	At4g04955	expressed protein; protein id: At4g04955.1	0	1.22	1.5	0.88
A018715_01	At5g10750	putative protein; protein id: At5g10750.1	0	1.22	1.6	0.76
A008500_01	At2g35940	BEL1-like homeobox 1 protein (BLH1); protein id: At2g35940.1	0	1.22	1.8	0.42
A010364_01	At3g11100	expressed protein; protein id: At3g11100.1	0	1.22	1.7	0.55
A019252_01	At5g11060	homeobox protein knotted-1 like 4 (KNAT4); protein id: At5g11060.1	0	1.22	1.6	0.76
A020873_01	At3g21670	nitrate transporter; protein id: At3g21670.1	0	1.22	1.6	0.76
A013880_01	At4g02020	polycomb group - like protein; protein id: At4g02020.1	0	1.22	1.4	1.50
A012385_01	At3g06040	hypothetical protein; protein id: At3g06040.1	0	1.21	2.2	0.09
A004735_01	At1g68580	unknown protein; protein id: At1g68580.1	0	1.21	2.0	0.09
A007756_01	At2g41250	hypothetical protein; protein id: At2g41250.1	0	1.21	1.5	0.99
A021820_01	At3g26280	cytochrome p450 family; protein id: At3g26280.1	0	1.21	1.6	0.88
A024435_01	At5g54940	translation initiation factor-like protein; protein id: At5g54940.2	0	1.21	2.4	0.09
A025772_01	At4g26530	fructose-bisphosphate aldolase - like protein; protein id: At4g26530.1	0	1.21	1.4	1.29
A016209_01	At5g64260	phi-1-like protein; protein id: At5g64260.1	0	1.21	2.6	0.09
A020929_01	At1g01490	expressed protein; protein id: At1g01490.1	0	1.21	2.0	0.16
A020564_01	At1g27290	expressed protein; protein id: At1g27290.1	0	1.21	2.0	0.09
A012159_01	At3g09950	hypothetical protein; protein id: At3g09950.1	0	1.20	2.3	0.09
A014147_01	At4g36400	actin interacting protein; protein id: At4g36400.1	0	1.20	1.8	0.39
A020656_01	At3g29810	phytochelatin synthetase-like protein; protein id: At3g29810.1	0	1.20	2.0	0.16
A025036_01	At3g62740	glycosyl hydrolase family 1; protein id: At3g62740.1	0	1.20	1.6	0.76
A021874_01	At3g19800	expressed protein; protein id: At3g19800.1	0	1.19	2.4	0.09
A004458_01	At1g52870	expressed protein; protein id: At1g52870.2	0	1.19	2.4	0.09
A020482_01	At2g23810	hypothetical protein; protein id: At2g23810.1	0	1.19	1.8	0.42
A013129_01	At4g25640	putative protein; protein id: At4g25640.1	0	1.19	1.5	0.99
A020741_01	At4g26080	protein phosphatase ABI1; protein id: At4g26080.1	0	1.19	1.6	0.88
A021968_01	At3g53990	expressed protein; protein id: At3g53990.1	0	1.19	2.6	0.09
A002258_01	At1g14890	expressed protein; protein id: At1g14890.1	0	1.19	2.3	0.09
A013717_01	At4g16190	cysteine proteinase; protein id: At4g16190.1	0	1.19	1.2	2.38
A020363_01	At2g39800	delta-1-pyrroline 5-carboxylase synthetase (P5C1); protein id: At2g39800.1	0	1.19	1.6	0.88
A007422_01	At2g48020	putative sugar transporter; protein id: At2g48020.1	0	1.19	2.0	0.09
A012123_01	At3g18773	pseudogene, unknown protein	0	1.19	1.9	0.16
A016266_01	At5g47050	putative protein; protein id: At5g47050.1	0	1.19	1.4	1.29
A017477_01	At5g45350	expressed protein; protein id: At5g45350.1	0	1.18	1.5	0.99
A019014_01	At5g47560	sodium-dicarboxylate cotransporter-like; protein id: At5g47560.1	0	1.18	1.8	0.39
A001092_01	At1g64860	plastid RNA polymerase sigma-subunit; protein id: At1g64860.1	0	1.18	1.5	1.00
A016323_01	At5g15850	zinc finger protein CONSTANS-LIKE 1 (COL1); protein id: At5g15850.1	0	1.18	1.4	1.00
A010390_01	At3g15770	hypothetical protein; protein id: At3g15770.1	0	1.18	1.3	1.72
A018531_01	At5g59750	GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phosphate synthase	0	1.18	1.6	0.67
A010874_01	At3g10525	expressed protein; protein id: At3g10525.1	0	1.18	2.0	0.09
A013044_01	At4g23890	putative protein; protein id: At4g23890.1	0	1.17	2.1	0.09
A014936_01	At4g36410	E2, ubiquitin-conjugating enzyme 17 (UBC17); protein id: At4g36410.1	0	1.17	1.8	0.39
A015313_01	At4g31240	similar to putative receptor kinase; protein id: At4g31240.1	0	1.17	1.8	0.39
A021520_01	At2g02390	glutathione transferase, putative; protein id: At2g02390.1	0	1.17	1.1	2.76
A011613_01	At3g23640	glycosyl hydrolase family 31; protein id: At3g23640.1	0	1.17	1.4	1.29
A021079_01	At1g10150	expressed protein; protein id: At1g10150.1	0	1.17	2.0	0.09

A008637_01	At2g43400	putative electron transfer flavoprotein ubiquinone oxidoreductase	0	1.17	2.5	0.09
A010527_01	At3g56170	putative protein; protein id: At3g56170.1	0	1.17	1.4	1.50
A019281_01	At5g14420	putative protein; protein id: At5g14420.1	0	1.17	2.6	0.09
A019301_01	At5g47040	Lon protease homolog 1 precursor; protein id: At5g47040.1	0	1.17	1.3	1.72
A003114_01	At1g19450	integral membrane protein, putative; protein id: At1g19450.1	0	1.16	1.7	0.42
A012283_01	At3g22560	hypothetical protein; protein id: At3g22560.1	0	1.16	1.3	2.22
A021071_01	At4g37790	homeobox protein HAT22; protein id: At4g37790.1	0	1.16	1.9	0.31
A021993_01	At4g21980	AtAPG8a; symbiosis-related like protein; protein id: At4g21980.1	0	1.16	1.3	2.13
A003518_01	At1g79380	expressed protein; protein id: At1g79380.1	0	1.16	1.7	0.67
A012739_01	At3g57300	helicase-like protein; protein id: At3g57300.1	0	1.16	1.3	1.72
A014072_01	At4g16520	AtAPG8f; symbiosis-related like protein; protein id: At4g16520.1	0	1.16	1.8	0.42
A011505_01	At3g52840	glycosyl hydrolase family 35 (beta-galactosidase); protein id: At3g52840.1	0	1.16	2.3	0.09
A013468_01	At4g03410	hypothetical protein; protein id: At4g03410.1	0	1.16	2.1	0.09
A025916_01	At1g02305	expressed protein; protein id: At1g02305.1	0	1.16	1.4	1.29
A004774_01	At1g04970	expressed protein; protein id: At1g04970.1	0	1.16	1.9	0.16
A011831_01	At3g51130	putative protein; protein id: At3g51130.1	0	1.16	1.6	0.88
A012155_01	At3g03990	expressed protein; protein id: At3g03990.1	0	1.15	1.4	1.00
A001105_01	At1g14330	hypothetical protein; protein id: At1g14330.1	0	1.15	1.7	0.55
A002854_01	At1g80310	putative sulfate transporter; protein id: At1g80310.1	0	1.15	1.7	0.67
A012396_01	At3g57960	hypothetical protein; protein id: At3g57960.1	0	1.15	1.8	0.39
A009296_01	At3g27090	gda-1, putative; protein id: At3g27090.1	0	1.15	1.4	1.72
A023242_01	At1g54090	hypothetical protein; protein id: At1g54090.1	0	1.15	2.1	0.09
A020126_01	At5g59960	putative protein; protein id: At5g59960.1	0	1.14	1.3	2.13
A019515_01	At4g17840	expressed protein; protein id: At4g17840.1	0	1.14	1.6	0.76
A024559_01	At1g42550	unknown protein; protein id: At1g42550.1	0	1.14	2.0	0.09
A001773_01	At1g70530	putative protein kinase; protein id: At1g70530.1	0	1.14	2.7	0.09
A003636_01	At1g05840	expressed protein; protein id: At1g05840.1	0	1.14	1.5	0.88
A015465_01	At4g37260	myb DNA-binding protein (AtMYB73); protein id: At4g37260.1	0	1.13	1.8	0.39
A019000_01	At5g67370	putative protein; protein id: At5g67370.1	0	1.13	2.6	0.09
A013782_01	At4g20930	3-hydroxyisobutyrate dehydrogenase -like protein; protein id: At4g20930.1	0	1.13	1.7	0.55
A014031_01	At4g26700	fimbrin-like protein (ATFIM1); protein id: At4g26700.1	0	1.13	1.9	0.31
A018974_01	At5g23340	putative protein; protein id: At5g23340.1	0	1.13	1.7	0.55
A006708_01	At2g38820	expressed protein; protein id: At2g38820.1	0	1.13	1.8	0.42
A016618_01	At5g03330	putative protein; protein id: At5g03330.1	0	1.13	1.4	1.50
A000888_01	At1g50730	hypothetical protein; protein id: At1g50730.1	0	1.13	2.0	0.09
A007306_01	At2g05100	light-harvesting chlorophyll a/b binding protein; protein id: At2g05100.1	0	1.13	2.1	0.09
A016845_01	At5g35170	adenylate kinase -like protein; protein id: At5g35170.1	0	1.13	1.1	3.25
A020064_01	At4g24570	mitochondrial carrier protein family; protein id: At4g24570.1	0	1.13	2.2	0.09
A020917_01	At1g75380	wound-responsive protein, putative; protein id: At1g75380.1	0	1.13	1.2	2.22
A005097_01	At3g51840	acyl-coA dehydrogenase; protein id: At3g51840.1	0	1.13	1.6	0.67
A008733_01	At2g17450	putative RING zinc finger protein; protein id: At2g17450.1	0	1.13	1.8	0.39
A016703_01	At5g02970	putative protein; protein id: At5g02970.1	0	1.13	1.7	0.55
A019659_01	At5g51640	putative protein; protein id: At5g51640.1	0	1.13	2.3	0.09
A023329_01	At3g46530	disease resistance protein, RPP13-like (CC-NBS class), putative;	0	1.12	2.1	0.09
A002797_01	At1g54710	expressed protein; protein id: At1g54710.1	0	1.12	1.5	1.00

A018827_01	At5g54870	putative protein; protein id: At5g54870.1	0	1.12	1.6	0.67
A025403_01	At2g29340	putative tropinone reductase; protein id: At2g29340.1	0	1.12	1.9	0.31
A009803_01	At3g03480	putative hypersensitivity-related gene; protein id: At3g03480.1	0	1.12	1.4	1.29
A016210_01	At5g14780	formate dehydrogenase; protein id:At5g14780.1	0	1.12	1.4	1.72
A005835_01	At1g75730	hypothetical protein; protein id: At1g75730.1	0	1.11	1.4	1.29
A009551_01	At3g45780	nonphototropic hypocotyl 1; protein id: At3g45780.1	0	1.11	2.6	0.09
A022555_01	At4g02860	putative protein; protein id: At4g02860.1	0	1.11	1.5	1.00
A003130_01	At1g30090	expressed protein; protein id: At1g30090.1	0	1.11	1.3	1.72
A024676_01	At4g04620	AtAPG8b; putative symbiosis-related protein; protein id: At4g04620.1	0	1.11	1.7	0.55
A008454_01	At2g20730	unknown protein; protein id: At2g20730.1	0	1.11	2.0	0.16
A016227_01	At5g48540	33 kDa secretory protein-like; protein id: At5g48540.1	0	1.11	1.8	0.39
A018467_01	At5g52250	G-protein beta-subunit (transducin) family; protein id: At5g52250.1	0	1.11	1.4	1.00
A015883_01	At5g14120	nodulin-like protein; protein id: At5g14120.1	0	1.11	1.5	0.99
A016960_01	At5g02880	putative protein; protein id: At5g02880.1	0	1.11	1.2	2.38
A018195_01	At5g51970	sorbitol dehydrogenase-like protein; protein id: At5g51970.1	0	1.11	1.9	0.39
A025946_01	At1g35670	calcium-dependent protein kinase; protein id: At1g35670.1	0	1.11	2.0	0.16
A018070_01	At5g47540	putative protein; protein id: At5g47540.1	0	1.10	1.7	0.55
A001378_01	At1g32460	expressed protein; protein id: At1g32460.1	0	1.10	2.0	0.09
A025167_01	At3g14640	cytochrome P450, putative; protein id: At3g14640.1	0	1.10	1.2	2.38
A012944_01	At4g32070	putative protein; protein id: At4g32070.1	0	1.10	2.3	0.09
A021045_01	At2g35820	expressed protein; protein id: At2g35820.1	0	1.10	1.1	2.76
A011976_01	At3g10910	putative RING zinc finger protein; protein id: At3g10910.1	0	1.09	1.3	2.22
A017319_01	At5g35970	DNA helicase-like; protein id: At5g35970.1	0	1.09	1.6	0.88
A014126_01	At4g28025	expressed protein; protein id: At4g28025.1	0	1.09	1.8	0.39
A002736_01	At1g29760	hypothetical protein; protein id: At1g29760.1	0	1.09	1.4	1.29
A012771_01	At3g58750	citrate synthase -like protein; protein id: At3g58750.1	0	1.09	2.1	0.09
A017000_01	At5g66930	putative protein; protein id: At5g66930.1	0	1.09	2.2	0.09
A021130_01	At1g09070	expressed protein; protein id: At1g09070.1	0	1.09	1.6	0.67
A002838_01	At1g08980	expressed protein; protein id: At1g08980.1	0	1.09	2.4	0.09
A016949_01	At5g17300	expressed protein; protein id: At5g17300.1	0	1.09	1.3	1.72
A024399_01	At3g14270	unknown protein; protein id: At3g14270.1	0	1.09	1.8	0.42
A011854_01	At3g45640	mitogen-activated protein kinase 3; protein id: At3g45640.1	0	1.08	1.5	0.99
A024665_01	At5g58800	quinone reductase family; protein id: At5g58800.1	0	1.08	2.1	0.09
A001619_01	At1g24160	unknown protein; protein id: At1g24160.1	0	1.08	1.6	0.67
A022019_01	At3g48690	putative protein; protein id: At3g48690.1	0	1.08	2.0	0.09
A017575_01	At5g01850	protein kinase ATN1-like protein; protein id: At5g01850.1	0	1.08	2.1	0.09
A012797_01	At3g27110	expressed protein; protein id: At3g27110.1	0	1.08	1.8	0.39
A020654_01	At1g49050	expressed protein; protein id: At1g49050.1	0	1.08	2.6	0.09
A004173_01	At1g29800	unknown protein; protein id: At1g29800.1	0	1.08	1.9	0.16
A012275_01	At3g07700	expressed protein; protein id: At3g07700.1	0	1.08	1.8	0.39
A012672_01	At3g52800	zinc finger - like protein; protein id: At3g52800.1	0	1.08	1.3	1.72
A017692_01	At5g64930	CPR5 protein, putative; protein id: At5g64930.1	0	1.08	1.7	0.42
A020062_01	At1g54290	protein translation factor Sui1 homolog, putative; protein id: At1g54290.1	0	1.08	2.1	0.09
A024522_01	At3g09390	metallothionein-like protein; protein id: At3g09390.1	0	1.08	1.4	1.00
A013659_01	At4g10610	RNA-binding protein RBP37; protein id: At4g10610.1	0	1.08	1.7	0.67

A001222_01	At1g78320	glutathione transferase, putative; protein id: At1g78320.1	0	1.08	1.5	0.99
A004151_01	At1g33110	unknown protein; protein id: At1g33110.1	0	1.08	1.4	1.29
A008532_01	At2g33150	3-ketoacyl-CoA thiolase; protein id: At2g33150.1	0	1.08	1.9	0.39
A019725_01	At5g54510	auxin-responsive-like protein; protein id: At5g54510.1	0	1.08	1.9	0.39
A001299_01	At1g07600	metallothionein-like protein; protein id: At1g07600.1	0	1.07	1.6	0.88
A004896_01	At1g09570	putative phytochrome A; protein id: At1g09570.1	0	1.07	2.0	0.16
A006050_01	At2g39000	unknown protein; protein id: At2g39000.1	0	1.07	2.3	0.09
A020214_01	At3g47960	putative peptide transporter; protein id: At3g47960.1	0	1.07	1.6	0.88
A016141_01	At5g41790	myosin heavy chain-like protein; protein id: At5g41790.1	0	1.07	1.6	0.67
A002284_01	At1g17520	myb-related DNA-binding protein, putative; protein id: At1g17520.	0	1.07	1.6	0.67
A007291_01	At2g22470	arabinogalactan-protein (AGP2); protein id: At2g22470.1	0	1.07	1.2	2.59
A020570_01	At5g57660	putative CONSTANS B-box zinc finger protein; protein id: At5g57	0	1.07	1.2	2.38
A014798_01	At4g14430	carnitine racemase like protein; protein id: At4g14430.1	0	1.07	1.4	1.29
A016278_01	At5g61590	ethylene responsive element binding factor - like; protein id: At5g	0	1.07	1.2	2.59
A020102_01	At5g02840	myb family transcription factor; protein id: At5g02840.1	0	1.07	1.9	0.31
A002737_01	At1g28580	lipase, putative; protein id: At1g28580.1	0	1.07	1.4	1.50
A002651_01	At1g70410	carbonic anhydrase, putative; protein id: At1g70410.1	0	1.06	2.0	0.09
A018427_01	At5g59400	putative protein; protein id: At5g59400.2	0	1.06	1.8	0.39
A025644_01	At1g56280	expressed protein; protein id: At1g56280.1	0	1.06	1.3	1.72
A001091_01	At1g64680	expressed protein; protein id: At1g64680.1	0	1.06	2.4	0.09
A006277_01	At2g35800	putative mitochondrial carrier protein; protein id: At2g35800.1	0	1.06	1.6	0.76
A018264_01	At5g05930	expressed protein; protein id: At5g05930.1	0	1.06	2.2	0.09
A011732_01	At3g62420	bZIP family transcription factor; protein id: At3g62420.1	0	1.06	1.9	0.39
A012421_01	At3g19500	expressed protein; protein id: At3g19500.1	0	1.06	2.2	0.09
A001284_01	At1g79040	photosystem II polypeptide, putative; protein id: At1g79040.1	0	1.05	1.4	1.29
A007579_01	At2g28550	AP2 domain protein RAP2.7; protein id: At2g28550.1	0	1.05	1.7	0.42
A001959_01	At1g04400	putative cryptochrome 2 apoprotein; protein id: At1g04400.1	0	1.05	1.6	0.76
A006291_01	At2g33990	putative SF16 protein {Helianthus annuus}; protein id: At2g33990	0	1.05	2.2	0.09
A007959_01	At2g45980	expressed protein; protein id: At2g45980.1	0	1.05	2.3	0.09
A014801_01	At4g25620	unknown protein; protein id: At4g25620.1	0	1.05	1.1	2.76
A011607_01	At3g52340	expressed protein; protein id: At3g52340.1	0	1.05	2.2	0.09
A024513_01	At4g37550	formamidase - like protein; protein id: At4g37550.1	0	1.05	2.3	0.09
A015134_01	At4g22710	cytochrome p450 family; protein id: At4g22710.1	0	1.05	1.3	2.13
A016963_01	At5g05140	putative protein; protein id: At5g05140.1	0	1.05	1.9	0.39
A003703_01	At1g48320	hypothetical protein; protein id: At1g48320.1	0	1.05	1.1	2.76
A010731_01	At3g27690	light harvesting chlorophyll A/B binding protein, putative; protein id	0	1.05	2.2	0.09
A019617_01	At5g04770	amino acid transport - like protein; protein id: At5g04770.1	0	1.05	1.5	0.99
A022927_01	At5g44290	cyclin-dependent protein kinase-like protein; protein id: At5g4429	0	1.05	2.1	0.09
A015088_01	At4g34920	putative protein; protein id: At4g34920.1	0	1.04	1.5	1.00
A019941_01	At1g60010	expressed protein; protein id: At1g60010.1	0	1.04	1.7	0.55
A020565_01	At3g10980	unknown protein; protein id: At3g10980.1	0	1.04	1.9	0.31
A014165_01	At4g30790	putative protein; protein id: At4g30790.1	0	1.04	2.1	0.09
A014539_01	At4g16130	galactokinase like protein; protein id: At4g16130.1	0	1.04	1.4	1.29
A000555_01	At1g72180	leucine-rich repeat transmembrane protein kinase, putative; prote	0	1.04	1.8	0.42
A005620_01	At5g28020	cysteine synthase; protein id: At5g28020.1	0	1.04	1.6	0.88

A008330_01	At2g24550	expressed protein; protein id: At2g24550.1	0	1.04	1.2	2.59
A015249_01	At4g35060	copper chaperone (CCH)-related; protein id: At4g35060.1	0	1.04	1.5	0.99
A009077_01	At3g25690	unknown protein; protein id: At3g25690.1	0	1.04	1.6	0.76
A025268_01	At1g08930	zinc finger protein ATZF1, putative; protein id: At1g08930.1	0	1.04	1.2	2.59
A025995_01	At2g01670	expressed protein; protein id: At2g01670.1	0	1.04	1.9	0.16
A008183_01	At2g26030	F-box protein; protein id: At2g26030.1	0	1.04	1.5	0.99
A016597_01	At5g01800	putative protein; protein id: At5g01800.1	0	1.04	1.3	2.13
A012572_01	At3g06510	glycosyl hydrolase family 1; protein id: At3g06510.1	0	1.04	1.7	0.55
A018267_01	At5g25220	KNAT3 homeodomain protein; protein id: At5g25220.1	0	1.03	1.5	0.88
A026004_01	At5g48620	disease resistance protein (CC-NBS-LRR class), putative; protein id: At5g48620.1	0	1.03	1.9	0.16
A017868_01	At5g56460	protein kinase-like protein; protein id: At5g56460.1	0	1.03	1.7	0.67
A023904_01	At1g49130	CONSTANS B-box zinc finger family protein; protein id: At1g49130.1	0	1.03	1.6	0.76
A001827_01	At1g17050	geranyl diphosphate synthase (GPPS)(dimethylallyltransferase), putative; protein id: At1g17050.1	0	1.03	2.0	0.09
A009501_01	At3g48740	MTN3-like protein; protein id: At3g48740.1	0	1.03	1.3	1.72
A012964_01	At4g19510	disease resistance protein (TIR-NBS-LRR class), putative; protein id: At4g19510.1	0	1.03	1.6	0.88
A025372_01	At5g35450	disease resistance protein (CC-NBS-LRR class), putative; protein id: At5g35450.1	0	1.03	1.8	0.42
A003431_01	At1g06460	heat shock protein, putative; protein id: At1g06460.1	0	1.03	1.4	1.50
A024642_01	At2g01420	PIN4; putative auxin transport protein; protein id: At2g01420.1	0	1.03	1.5	0.99
A025101_01	At5g16340	AMP-binding protein; protein id: At5g16340.1	0	1.03	1.6	0.76
A012001_01	At3g06780	expressed protein; protein id: At3g06780.1	0	1.02	1.3	2.22
A009378_01	At3g27820	monodehydroascorbate reductase, putative; protein id: At3g27820.1	0	1.02	2.2	0.09
A006253_01	At2g24180	cytochrome p450 family; protein id: At2g24180.1	0	1.02	1.6	0.67
A013046_01	At4g21560	putative protein; protein id: At4g21560.1	0	1.02	1.8	0.42
A011737_01	At3g57530	calcium-dependent protein kinase; protein id: At3g57530.1	0	1.02	2.1	0.09
A006817_01	At2g14910	unknown protein; protein id: At2g14910.1	0	1.02	1.6	0.67
A009121_01	At3g63210	putative protein; protein id: At3g63210.1	0	1.02	1.7	0.55
A015336_01	At4g32150	synaptobrevin-like protein; protein id: At4g32150.1	0	1.02	1.4	1.29
A012086_01	At3g17000	E2, ubiquitin-conjugating enzyme, putative; protein id: At3g17000.1	0	1.02	1.2	2.59
A002732_01	At1g73680	feebly-like protein; protein id: At1g73680.1	0	1.02	1.7	0.67
A013974_01	At4g24400	serine/threonine kinase-like protein; protein id: At4g24400.1	0	1.02	1.4	1.29
A016407_01	At5g47070	protein serine threonine kinase-like; protein id: At5g47070.1	0	1.01	1.9	0.31
A017815_01	At4g13261	hypothetical protein; protein id: At4g13261.1	0	1.01	1.3	2.13
A000853_01	At1g52680	expressed protein; protein id: At1g52680.1	0	1.01	1.1	2.76
A001285_01	At1g50020	tubulin alpha-6 chain, putative; protein id: At1g50020.1	0	1.01	2.2	0.09
A001861_01	At1g78510	geranyl diphosphate synthase (GPPS)(dimethylallyltransferase), putative; protein id: At1g78510.1	0	1.01	1.4	1.29
A014765_01	At4g17080	hypothetical protein; protein id: At4g17080.1	0	1.01	1.7	0.55
A014802_01	At4g24660	putative protein; protein id: At4g24660.1	0	1.01	2.2	0.09
A024107_01	At1g23440	hypothetical protein; protein id: At1g23440.1	0	1.01	1.4	1.50
A003121_01	At1g55110	zinc finger protein, putative; protein id: At1g55110.1	0	1.01	1.6	0.76
A018964_01	At5g56180	putative protein; protein id: At5g56180.1	0	1.01	1.6	0.67
A022125_01	At1g13080	cytochrome p450 family; protein id: At1g13080.1	0	1.01	2.2	0.09
A002011_01	At1g20440	hypothetical protein; protein id: At1g20440.1	0	1.01	1.3	1.72
A006710_01	At2g38800	calmodulin-binding protein; protein id: At2g38800.1	0	1.00	1.2	2.59
A010276_01	At3g54500	putative protein; protein id: At3g54500.1	0	1.00	2.5	0.09
A005208_01	At1g60590	polygalacturonase, putative; protein id: At1g60590.1	0	1.00	1.7	0.55

A025971_01	At1g08510	acyl-(acyl carrier protein) thioesterase, putative; protein id: At1g08510.1	0	1.00	1.4	1.50
A023353_01	At2g17110	expressed protein; protein id: At2g17110.1	0	1.00	1.9	0.39
A006661_01	At2g16890	putative glucosyltransferase; protein id: At2g16890.2	0	1.00	1.6	0.88
A009780_01	At3g01520	expressed protein; protein id: At3g01520.1	0	1.00	1.4	1.50

Table S5. Enriched GO terms within the different expression profiles

Over-represented and under-represented GO terms within the 8 SOM groups resulting after a 4x2 SOM analysis of the differentially expressed genes in the 0-1, 2-3 and 10-14 DPA dataset. In black, non redundant GO terms. Significant enriched GO terms were considered when adjusted p value < 0.05. GO level of the term; AGI, number and percentage of genes included in the SOM at the level; AGI, number and percentage of genes included platform at the level; and adjusted p value of significance are shown.

Enriched GO terms in SOMs of Up-regulated genes

SOM1 - Up early and sustained

Over-represented	Level	Genes in SOM	Number in SOM	% of annotated in SOM at the level	Genes in platform	Number in platform	% of annotated in platform at the level	#1 vs #2	Adjusted p value
autophagy (GO:0006914)	3	At4g21980,At4g16100,At4g16101	6	2.4%	At5g61500,At2g44140,At2g44141	13	0.1%	95.59% 4.41%	1.0E-04
aging (GO:0007568)	3	At5g66170,At4g30100,At4g30101	13	3.6%	At2g42620,At3g49620,At5g59560	52	0.4%	89.24% 10.76%	1.1E-04
response to abiotic stimulus (GO:0009628)	3	At4g35770,At1g53670,At1g53671	36	14.6%	At3g53110,At1g54050,At1g54051	760	6.6%	69% 31%	2.7E-04
response to stress (GO:0006950)	3	At1g12780,At3g49620,At3g49621	36	14.6%	At1g53670,At3g05210,At3g05211	889	7.7%	65.55% 34.45%	3.4E-03
catabolic process (GO:0009056)	3	At3g10740,At1g22920,At1g22921	26	10.5%	At1g71770,At1g77440,At1g77441	562	4.8%	68.49% 31.51%	3.4E-03
response to external stimulus (GO:0009605)	3	At4g35770,At2g30100,At2g30101	11	4.5%	At4g21440,At5g58140,At3g49620	197	1.7%	72.4% 27.6%	4.2E-02
response to osmotic stress (GO:0006970)	4	At3g45640,At3g51000,At3g51001	14	6.0%	At5g50720,At2g37180,At4g21440	195	1.8%	77.22% 22.78%	1.3E-02
response to water (GO:0009415)	4	At1g56280,At3g19580,At3g19581	10	4.3%	At5g25610,At5g52310,At2g46505	115	1.0%	80.42% 19.58%	1.3E-02
cellular catabolic process (GO:0044248)	4	At1g21410,At1g53670,At1g53671	26	11.1%	At5g41240,At1g65120,At2g46505	539	4.9%	69.49% 30.51%	1.3E-02
response to water deprivation (GO:0009414)	5	At1g56280,At3g19580,At3g19581	10	4.7%	At5g25610,At5g52310,At2g46505	107	1.1%	81.81% 18.19%	1.4E-02
response to salt stress (GO:0009651)	5	At3g19580,At4g21440,At4g21441	13	6.1%	At4g21440,At1g10940,At5g59560	173	1.7%	78.34% 21.66%	1.4E-02
cofactor catabolic process (GO:0051187)	5	At4g22920,At2g46505,At2g46506	5	2.4%	At4g26970,At2g46505,At4g21440	19	0.2%	92.68% 7.32%	1.4E-02

SOM2 - Up progressive

Over-represented GO terms	Level	Genes in SOM	Number in SOM	% of annotated in SOM at the level	Genes in platform	Number in platform	% of annotated in platform at the level	#1 vs #2	Adjusted p value
response to stress (GO:0006950)	3	At5g58070,At3g11410,At3g11411	55	16.4%	At1g12780,At1g53670,At3g05210	870	7.6%	68.49% 31.51%	7.4E-06
response to abiotic stimulus (GO:0009628)	3	At5g27150,At5g51000,At5g51001	45	13.4%	At3g53110,At1g54050,At1g54051	751	6.5%	67.32% 32.68%	2.1E-04
circadian rhythm (GO:0007623)	3	At4g25100,At5g16100,At5g16101	6	1.8%	At5g59560,At3g46640,At3g46641	29	0.3%	87.67% 12.33%	5.9E-03
response to chemical stimulus (GO:0042221)	3	At4g24120,At5g05210,At5g05211	49	14.6%	At3g04730,At1g69190,At4g21440	1036	9.0%	61.92% 38.08%	1.2E-02
autophagy (GO:0006914)	3	At4g21980,At2g05210,At2g05211	4	1.2%	At5g61500,At4g16520,At2g46505	15	0.1%	90.16% 9.84%	1.3E-02
stomatal movement (GO:0010118)	3	At3g11410,At4g05210,At4g05211	5	1.5%	At4g26080,At5g46860,At2g46505	28	0.2%	85.99% 14.01%	1.4E-02
response to biotic stimulus (GO:0009607)	3	At5g52450,At2g46505,At2g46506	20	6.0%	At1g58340,At4g00860,At4g21440	356	3.1%	65.89% 34.11%	3.8E-02
response to osmotic stress (GO:0006970)	4	At2g46830,At5g27150,At5g27151	18	5.8%	At5g50720,At2g37180,At4g21440	191	1.7%	76.84% 23.16%	1.4E-03
response to water (GO:0009415)	4	At5g57050,At2g22920,At2g22921	12	3.8%	At5g25610,At5g52310,At2g46505	113	1.0%	78.9% 21.1%	6.1E-03
response to inorganic substance (GO:0010035)	4	At1g07610,At2g46505,At2g46506	10	3.2%	At3g12750,At1g03120,At5g59560	82	0.7%	81.11% 18.89%	6.1E-03
ureide metabolic process (GO:0010135)	4	At4g04955,At4g21440,At4g21441	2	0.6%		0	0.0%	100% 0%	1.6E-02

response to water deprivation (GO:0009414)	5	At5g57050,At2g22100	12	4.1%	At5g25610,At5g52310,At2g22100	105	1.0%	79.79%	20.21%	1.7E-02
response to salt stress (GO:0009651)	5	At5g27150,At4g00800	16	5.5%	At4g21440,At1g10940,At5g27150	170	1.7%	76.48%	23.52%	1.7E-02
Under-represented GO terms										
anatomical structure development (GO:0048856)	3	At5g15850,At3g60600	10	3.0%	At2g20370,At1g10470,At4g15850	15	8.1%	26.99%	73.01%	4.0E-03
reproductive process (GO:0022414)	3	At4g36930,At5g11000	5	1.5%	At2g37260,At2g35210,At3g36930	19	5.1%	22.68%	77.32%	1.2E-02
primary metabolic process (GO:0044238)	3	At1g69410,At1g14000	162	48.4%	At1g71750,At1g67520,At5g69410	5988	57.3%	45.78%	54.22%	1.4E-03
nucleobase, nucleoside, nucleotide and nucleic acid metabolism (GO:0009790)	4	At1g68190,At3g00200	36	11.5%	At4g04450,At1g67880,At2g68190	2378	21.6%	34.77%	65.23%	9.1E-04
embryonic development (GO:0009790)	4		0	0.0%	At5g49820,At5g55940,At1g68190	341	3.1%	0%	100%	6.1E-03
organelle organization and biogenesis (GO:0009790)	4	At2g35940,At1g77000	4	1.3%	At1g18800,At1g18450,At5g35940	557	5.1%	20.18%	79.82%	1.6E-02
reproductive developmental process (GO:0003006)	4	At2g46340,At3g44000	4	1.3%	At5g10360,At3g61880,At2g46340	548	5.0%	20.44%	79.56%	2.1E-02
seed development (GO:0048316)	6		0	0.0%	At1g79860,At3g48750,At2g46340	355	4.1%	0%	100%	2.1E-02
SOM3 - Up early and transient										

Over-represented GO terms	Level	Genes in SOM	Number in SOM	% of annotated in SOM at the level	Genes in platform	Number in platform	% of annotated in platform at the level	#1 vs #2	Adjusted p value	
aging (GO:0007568)	3	At2g42620,At1g66000	5	6.0%	At3g49620,At5g24770,At5g42620	55	0.5%	92.8%	7.2%	3.6E-03
nitrogen compound metabolic process (GO:0006800)	3	At1g03090,At1g66000	9	10.8%	At5g43430,At3g44720,At2g03090	387	3.3%	76.73%	23.27%	3.6E-02
response to endogenous stimulus (GO:0009719)	3	At4g27260,At2g00500	14	16.9%	At4g37680,At2g34680,At4g27260	819	7.0%	70.79%	29.21%	3.6E-02
amino acid and derivative metabolic process (GO:0006755)	4	At1g03090,At1g66000	10	12.8%	At2g35500,At2g37040,At3g03090	433	3.9%	76.92%	23.08%	4.5E-02
amine metabolic process (GO:0009308)	4	At1g64660,At5g00700	9	11.5%	At1g66860,At3g57050,At5g64660	336	3.0%	79.45%	20.55%	4.5E-02
anatomical structure morphogenesis (GO:0009719)	4	At3g45970,At2g20500	9	11.5%	At2g34680,At1g32240,At4g45970	376	3.3%	77.55%	22.45%	4.5E-02
response to organic substance (GO:0010033)	4	At5g64930,At3g11000	4	5.1%	At1g31930,At3g51770,At3g64930	65	0.6%	89.88%	10.12%	4.5E-02
nitrogen compound catabolic process (GO:0044270)	5	At1g64660,At3g30775	6	8.1%	At1g64660,At3g30775,At1g64660	40	0.4%	95.45%	4.55%	2.5E-04
amine catabolic process (GO:0009310)	6	At1g64660,At3g30775	6	9.2%	At3g07570,At1g11860,At5g64660	36	0.4%	95.8%	4.2%	1.9E-04
amino acid catabolic process (GO:0009063)	7	At1g64660,At3g30775	6	12.2%	At3g07570,At1g11860,At5g64660	36	0.5%	95.93%	4.07%	1.6E-04
SOM4 - Up late										

Over-represented GO terms	Level	Genes in SOM	Number in SOM	% of annotated in SOM at the level	Genes in platform	Number in platform	% of annotated in platform at the level	#1 vs #2	Adjusted p value	
response to chemical stimulus (GO:0042221)	3	At4g21900,At1g77000	29	17.7%	At3g04730,At1g69190,At4g21900	1056	9.0%	66.18%	33.82%	1.1E-02
response to biotic stimulus (GO:0009607)	3	At1g64780,At5g60600	14	8.5%	At1g58340,At4g00860,At4g64780	362	3.1%	73.38%	26.62%	1.1E-02
secondary metabolic process (GO:0019748)	3	At3g19710,At4g11000	13	7.9%	At5g37170,At3g09710,At1g19710	327	2.8%	73.91%	26.09%	1.1E-02
establishment of localization (GO:0051234)	3	At5g13750,At5g50000	41	21.3%	At1g20240,At1g16010,At5g13750	1528	3.1%	62.01%	37.99%	3.4E-02
external encapsulating structure organization and biogenesis (GO:0009719)	4	At5g07430,At3g00500	10	6.3%	At3g06830,At3g45970,At2g07430	180	1.6%	79.51%	20.49%	2.4E-02
response to other organism (GO:0051707)	4	At3g28940,At1g77000	13	8.1%	At3g15210,At1g12210,At3g28940	326	2.9%	73.58%	26.42%	2.9E-02
ATP-dependent proteolysis (GO:0006510)	7	At1g19740,At1g49000	4	4.8%	At5g47040,At3g05790,At5g19740	19	0.3%	94.53%	5.47%	4.3E-02
cell wall biosynthetic process (sensu Magnoliophyta) (GO:0009719)	7	At5g17420,At4g11000	5	6.0%	At4g11150,At2g28110,At2g17420	41	0.6%	90.92%	9.08%	4.3E-02
secondary cell wall biosynthetic process (sensu Magnoliophyta) (GO:0009719)	8	At5g17420,At4g11000	5	7.9%	At2g28110,At3g13890,At4g17420	8	0.2%	98.09%	1.91%	1.2E-04
Under-represented GO terms										

macromolecule metabolic process (GO:0043170)	3	At1g12280 At1g71750	44	26.8%	At4g19820 At3g44240 At3g71750	5004	42.8%	38.52%	61.48%	1.9E-03
primary metabolic process (GO:0044238)	3	At2g42280 At5g25900	69	42.1%	At1g71750 At1g67520 At1g67520	6689	57.2%	42.37%	57.63%	3.8E-03
nucleobase, nucleoside, nucleotide and nucleic acid metabolic process (GO:0019538)	4	At1g62990 At5g36940	15	9.4%	At4g04450 At1g67880 At2g42280	2399	21.5%	30.39%	69.61%	1.2E-02
protein metabolic process (GO:0019538)	4	At2g31500 At1g22800	23	14.4%	At5g65450 At5g57990 At3g71750	2931	26.2%	35.4%	64.6%	2.4E-02
biopolymer metabolic process (GO:0043283)	4	At1g12280 At1g71750	29	18.1%	At3g01300 At1g08970 At3g71750	3379	30.2%	37.47%	62.53%	2.4E-02

Enriched GO terms in SOMs of Down-regulated genes

SOM5 - Down early and sustained

Over-represented GO terms	Level	Genes in SOM	Number in SOM	% of annotated in SOM at the level	Genes in platform	Number in platform	% of annotated in platform at the level	#1 vs #2	Adjusted p value
biosynthetic process (GO:0009058)	3	At1g57720 At3g11720	83	31.6%	At4g26310 At1g71770 At1g71770	2006	17.3%	64.58% 35.42%	1.6E-06
cellular component organization and biogenesis (GO:0044238)	3	At4g14960 At3g55900	56	21.3%	At3g09520 At2g40060 At2g40060	1316	11.4%	65.24% 34.76%	1.6E-04
response to stress (GO:0006950)	3	At2g47590 At1g16900	34	12.9%	At1g12780 At1g53670 At3g71750	891	7.7%	62.71% 37.29%	4.5E-02
macromolecule metabolic process (GO:0043170)	3	At1g32900 At2g36940	135	51.3%	At4g19820,At3g44240,At3g71750	4913	42.4%	54.77% 45.23%	4.5E-02
cellular developmental process (GO:0048869)	3	At2g27040 At1g07700	21	8.0%	At2g37620 At1g27720 At1g71750	473	4.1%	66.17% 33.83%	4.5E-02
primary metabolic process (GO:0044238)	3	At3g52590 At4g24190	172	65.4%	At1g71750,At1g67520,At1g67520	6585	56.8%	53.51% 46.49%	4.7E-02
organelle organization and biogenesis (GO:0006999)	4	At1g18800 At3g22800	42	16.5%	At1g18450 At5g48030 At4g19820	519	4.7%	77.92% 22.08%	5.2E-10
cellular biosynthetic process (GO:0044249)	4	At1g57720 At3g11720	80	31.5%	At1g69410 At1g05190 At3g71750	1829	16.5%	65.61% 34.39%	5.1E-07
ribonucleoprotein complex biogenesis and assembly (GO:0044249)	4	At1g48920 At3g11720	18	7.1%	At1g24240 At5g25780 At5g25780	158	1.4%	83.25% 16.75%	3.7E-06
response to temperature stimulus (GO:0009266)	4	At4g24190 At5g22240	15	5.9%	At2g22240 At4g03430 At3g71750	270	2.4%	70.79% 29.21%	3.4E-02
metabolic compound salvage (GO:0043094)	4	At4g36940 At5g52590	5	2.0%	At1g49820 At1g49140 At4g19820	38	0.3%	85.16% 14.84%	4.1E-02
one-carbon compound metabolic process (GO:0006999)	4	At5g43940 At2g47590	6	2.4%	At3g07610 At3g03300 At5g25780	61	0.6%	81.1% 18.9%	4.9E-02
cell differentiation (GO:0030154)	4	At2g27040 At1g07700	21	8.3%	At1g26630 At3g09360 At5g25780	456	4.1%	66.76% 33.24%	4.9E-02
ribosome biogenesis and assembly (GO:0042254)	5	At2g34480 At3g11720	18	7.6%	At1g16740 At5g08180 At3g71750	86	0.8%	89.99% 10.01%	5.1E-09
macromolecule biosynthetic process (GO:0009059)	5	At1g57720 At3g11720	54	22.8%	At4g26310 At1g71770 At4g19820	1122	11.0%	67.4% 32.6%	3.7E-05
chromosome organization and biogenesis (GO:0044238)	5	At1g54690 At3g22800	15	6.3%	At5g40820 At5g17690 At3g71750	1446	1.4%	81.53% 18.47%	2.4E-04
sulfur compound biosynthetic process (GO:0044238)	5	At3g59760 At3g11720	5	2.1%	At5g04620 At3g22460 At3g71750	26	0.3%	89.2% 10.8%	2.4E-02
cell development (GO:0048468)	5	At1g07820 At2g27040	20	8.4%	At3g54870 At2g44070 At1g71750	388	3.8%	68.89% 31.11%	3.8E-02
formaldehyde metabolic process (GO:0046292)	5	At5g43940 At2g47590	2	0.8%	At4g10750	1	0.0%	98.85% 1.15%	4.8E-02
DNA metabolic process (GO:0006259)	5	At1g18800 At2g47590	18	7.6%	At1g57820 At4g31150 At1g71750	347	3.4%	69.02% 30.98%	4.9E-02
translation (GO:0006412)	6	At3g10610 At1g07700	43	20.9%	At2g39990 At1g02780 At3g71750	442	5.1%	80.53% 19.47%	2.9E-12
DNA packaging (GO:0006323)	6	At1g18800 At3g22800	15	7.3%	At2g33610 At1g18450 At4g19820	117	1.3%	84.5% 15.5%	4.2E-05
protein folding (GO:0006457)	6	At5g48580 At2g07700	18	8.7%	At5g48030 At1g74250 At1g71750	191	2.2%	80.03% 19.97%	1.3E-04
chromosome organization and biogenesis (sensu lato) (GO:0044238)	6	At5g59870 At5g22800	15	7.3%	At4g13460 At3g04380 At3g71750	139	1.6%	82.1% 17.9%	1.5E-04
cellular component assembly (GO:0022607)	6	At1g54690 At3g22800	17	8.3%	At5g25780 At5g27670 At1g71750	215	2.5%	77.07% 22.93%	1.1E-03
biopolymer biosynthetic process (GO:0043284)	6	At1g32900 At5g11720	10	4.9%	At3g25140 At1g02730 At3g71750	114	1.3%	78.86% 21.14%	2.4E-02
establishment and/or maintenance of chromatin architecture (GO:0044238)	7	At1g18800 At3g22800	15	11.4%	At2g33610 At1g18450 At4g19820	117	1.7%	86.93% 13.07%	8.7E-06
translational elongation (GO:0006414)	7	At4g11120 At1g57720	7	5.3%	At5g24510 At1g35550 At1g71750	27	0.4%	93.08% 6.92%	5.4E-04
macromolecule complex assembly (GO:0065003)	7	At1g18800 At3g22800	15	11.4%	At3g05210 At2g24060 At2g40060	200	2.9%	79.56% 20.44%	1.6E-03
chromatin assembly or disassembly (GO:0006333)	8	At1g18800 At3g22800	15	15.2%	At5g65360 At4g40040 At1g71750	67	1.3%	91.98% 8.02%	9.3E-09

protein-DNA complex assembly (GO:0065004)	8	At1g18800 At3g20	13	13.1%	At5g02560 At5g12910 At3	55	1.5%	89.77%	10.23%	2.0E-06
chromatin assembly (GO:0031497)	9	At4g13940 At1g74	15	23.1%	At5g02560 At5g12910 At3	55	2.2%	91.27%	8.73%	1.9E-08
Under-represented GO terms										
regulation of biological process (GO:0050789)	3	At5g37020 At5g10	20	7.6%	At1g68090 At3g53310 At4	1977	17.1%	30.83%	69.17%	2.6E-04
phosphorus metabolic process (GO:0006793)	4	At4g32210 At3g49	4	1.6%	At3g52890 At5g12090 At1	1007	9.1%	14.77%	85.23%	6.2E-05
regulation of metabolic process (GO:0019222)	4	At5g22650 At2g27	15	5.9%	At2g22750 At4g11400 At1	1576	14.2%	29.34%	70.66%	1.2E-03
regulation of cellular process (GO:0050794)	4	At5g37020 At5g10	18	7.1%	At3g53310 At2g43060 At5	1760	15.9%	30.85%	69.15%	1.2E-03
biopolymer metabolic process (GO:0043283)	4	At1g32900 At5g10	53	20.9%	At3g01300,At1g08970,At3	3355	30.3%	40.8%	59.2%	2.2E-02
biopolymer modification (GO:0043412)	5	At3g52590 At1g70	9	3.8%	At2g35510 At2g35160 At2	1603	15.8%	19.43%	80.57%	1.6E-06
phosphate metabolic process (GO:0006796)	5	At4g32210 At3g49	4	1.7%	At3g52890 At5g12090 At1	1006	9.9%	14.59%	85.41%	8.3E-05
transcription (GO:0006350)	5	At5g60470 At1g74	14	5.9%	At1g76510 At1g80390 At1	1560	15.3%	27.82%	72.18%	7.0E-04
regulation of cellular metabolic process (GO:00313	5	At5g40350 At5g10	15	6.3%	At3g54620 At3g60390 At2	1556	15.3%	29.3%	70.7%	2.0E-03
peptide/protein amino-terminal blocking (GO:00	5	At1g70490	1	0.4%	At1g05870 At1g69880 At2	397	3.9%	9.76%	90.24%	4.8E-02
protein modification (GO:0006464)	6	At1g16190 At3g52	8	3.9%	At2g45910 At5g40880 At4	1560	17.8%	17.9%	82.1%	4.9E-07
phosphorylation (GO:0016310)	6	At4g32210 At3g49	4	1.9%	At2g02780 At1g64210 At5	956	10.9%	15.1%	84.9%	1.5E-04
regulation of nucleobase, nucleoside, nucleotide ar	6	At5g22650 At2g27	13	6.3%	At2g22750 At4g11400 At1	1502	17.2%	26.9%	73.1%	4.4E-04
lipoprotein metabolic process (GO:0042157)	6	At1g70490	1	0.5%	At3g06270 At5g22130 At5	412	4.7%	9.35%	90.65%	4.4E-02
post-translational protein modification (GO:004368	7	At3g52590 At3g49	6	4.6%	At3g62250 At3g54790 At4	1120	16.4%	21.75%	78.25%	6.4E-03
regulation of transcription (GO:0045449)	7	At5g37020 At5g20	13	9.9%	At5g45710 At4g31680 At1	1484	21.7%	31.25%	68.75%	4.6E-02
protein amino acid phosphorylation (GO:00064	8	At3g49670 At5g10	3	3.0%	At2g45910 At4g01330 At1	885	17.2%	14.98%	85.02%	4.9E-03
SOM6 - Down progressive										

Over-represented GO terms	Level	Genes in SOM	Number in SOM	% of annotated in SOM at the level	Genes in platform	Number in platform	% of annotated in platform at the level	#1 vs #2	Adjusted p value	
biosynthetic process (GO:0009058)	3	At2g37600 At5g40	176	54.0%	At4g26310 At1g71770 At1	1913	16.6%	76.49%	23.51%	1.1E-49
macromolecule metabolic process (GO:0043170)	3	At3g24830 At4g	200	61.4%	At4g19820 At3g44240 At3	4848	42.1%	59.33%	40.67%	1.7E-10
primary metabolic process (GO:0044238)	3	At4g35630 At3g00	239	73.3%	At1g71750 At1g67520 At1	6519	56.6%	56.45%	43.55%	1.4E-08
cellular component organization and biogenesis (G	3	At4g02150 At1g40	71	21.8%	t3g09520 At2g40060 At2g0	1300	11.3%	65.88%	34.12%	1.1E-06
cellular metabolic process (GO:0044237)	3	At4g35630 At3g00	248	76.1%	At1g71750 At1g67520 At5	7234	62.8%	54.8%	45.2%	4.8E-06
cellular biosynthetic process (GO:0044249)	4	At4g35630 At3g00	171	52.9%	At1g69410 At1g05190 At3	1738	15.8%	77.03%	22.97%	3.0E-49
ribonucleoprotein complex biogenesis and assemb	4	At3g06700 At1g60	44	13.6%	At1g24240 At5g25780 At5	132	1.2%	91.91%	8.09%	9.5E-28
cellular macromolecule metabolic process (GO:00	4	At3g09200 At5g10	178	55.1%	At1g69410 At5g47070 At1	2873	26.1%	67.87%	32.13%	1.1E-25
protein metabolic process (GO:0019538)	4	At5g47930 At5g40	169	52.3%	At5g65450 At5g57990 At3	2785	25.3%	67.41%	32.59%	8.9E-23
organelle organization and biogenesis (GO:000690	4	At3g49010 At5g00	52	16.1%	At1g18800 At1g18450 At5	744	4.6%	77.69%	22.31%	7.4E-13
urea cycle intermediate metabolic process (GO	4	At3g57560 At3g27	3	0.9%	At4g08900 At4g24830 At2	9	0.1%	91.91%	8.09%	4.5E-02
macromolecule biosynthetic process (GO:0009059	5	At2g37600 At5g40	149	48.7%	At4g26310 At1g71770 At4	1027	10.2%	82.74%	17.26%	1.2E-59
ribosome biogenesis and assembly (GO:004220	5	At5g08180 At3g50	43	14.1%	At1g16740 At1g64510 At3	61	0.6%	95.88%	4.12%	7.4E-37
cellular protein metabolic process (GO:0044267)	5	At1g16740 At1g60	61	55.2%	At1g69410 At5g47070 At1	2749	27.2%	67.01%	32.99%	3.8E-22
translation (GO:0006412)	6	At1g02780 At1g50	137	49.1%	At2g39990 At3g02660 At1	348	4.0%	92.46%	7.54%	2.6E-100
biopolymer biosynthetic process (GO:0043284)	6	At3g09200 At3g20	14	5.0%	At3g25140 At1g32900 At1	110	1.3%	79.85%	20.15%	1.9E-03
translational elongation (GO:0006414)	7	At3g09200 At3g20	8	6.5%	At5g24510 At1g35550 At4	26	0.4%	94.49%	5.51%	3.8E-05
amino acid biosynthetic process (GO:0008652)	7	At1g29900 At4g27	10	8.1%	At5g13280 At2g43750 At1	106	1.9%	81.33%	18.67%	2.0E-02

Under-represented GO terms

regulation of biological process (GO:0050789)	3	At2g37120 At1g22	18	5.5%	At4g26310 At1g71770 At1	1913	17.2%	24.33%	75.67%	1.4E-08
establishment of localization (GO:0051234)	3	At2g39010 At2g22	20	6.1%	At1g20240 At1g16010 At5	1543	13.4%	31.43%	68.57%	3.6E-04
cell communication (GO:0007154)	3	At3g56070 At4g22	10	3.1%	At3g06640 At3g45640 At1	834	7.2%	29.77%	70.23%	1.6E-02
biopolymer metabolic process (GO:0043283)	4	At3g62250 At4g22	44	13.6%	At3g01300 At1g08970 At3	3364	30.6%	30.84%	69.16%	6.9E-11
nucleobase, nucleoside, nucleotide and nucleic aci	4	At3g50060 At3g52	25	7.7%	At4g04450 At1g67880 At2	2389	21.7%	26.29%	73.71%	6.2E-10
regulation of metabolic process (GO:0019222)	4	At5g45750 At4g02	12	3.7%	At2g22750 At4g11400 At1	1579	14.3%	20.58%	79.42%	1.6E-08
phosphorus metabolic process (GO:0006793)	4	At5g27450 At4g22	4	1.2%	At3g52890 At5g12090 At1	1007	9.2%	11.93%	88.07%	6.7E-08
regulation of cellular process (GO:0050794)	4	At2g37120 At1g22	17	5.3%	At3g53310 At2g43060 At5	1761	16.0%	24.76%	75.24%	8.4E-08
transport (GO:0006810)	4	At3g28860 At5g02	20	6.2%	At5g37860 At1g14670 At5	1526	13.9%	30.88%	69.12%	3.0E-04
signal transduction (GO:0007165)	4	At3g56070 At4g22	9	2.8%	At3g06640 At3g45640 At1	771	7.0%	28.46%	71.54%	1.9E-02
regulation of cellular metabolic process (GO:00313	5	At4g04890 At4g02	12	3.9%	At3g54620 At3g60390 At2	1558	15.4%	20.29%	79.71%	2.7E-08
biopolymer modification (GO:0043412)	5	At3g62250 At4g22	13	4.3%	At2g35510 At2g35160 At2	1599	15.8%	21.18%	78.82%	3.3E-08
transcription (GO:0006350)	5	At3g50060 At5g42	13	4.3%	At1g76510 At1g80390 At1	1561	15.4%	21.58%	78.42%	5.9E-08
phosphate metabolic process (GO:0006796)	5	At5g27450 At4g22	4	1.3%	At3g52890 At5g12090 At1	1006	10.0%	11.61%	88.39%	7.7E-08
RNA metabolic process (GO:0016070)	5	At4g17460 At3g42	11	3.6%	At5g66980 At1g51600 At2	1169	11.6%	23.72%	76.28%	5.6E-05
ion transport (GO:0006811)	5	At1g22990	1	0.3%	At5g37860 At5g62670 At5	370	3.7%	8.2%	91.8%	1.4E-02
protein modification (GO:0006464)	6	At4g19985 At3g62	12	4.3%	At2g45910 At5g40880 At4	1556	17.9%	19.36%	80.64%	4.0E-09
regulation of nucleobase, nucleoside, nucleotic	6	At5g45750 At4g02	12	4.3%	At2g22750 At4g11400 At1	1503	17.3%	19.91%	80.09%	1.4E-08
phosphorylation (GO:0016310)	6	At5g50000 At5g12	4	1.4%	At2g02780 At1g64210 At5	956	11.0%	11.52%	88.48%	1.4E-07
RNA biosynthetic process (GO:0032774)	6	At4g04890 At4g02	7	2.5%	At3g09370 At5g60450 At3	877	10.1%	19.9%	80.1%	1.5E-04
post-translational protein modification (GO:004	7	At3g62250 At4g22	5	4.1%	At3g54790 At4g31100 At5	1121	16.3%	19.92%	80.08%	1.1E-02
SOM8 - Down late										

Over-represented GO term	Level	Genes in SOM	Number in SOM	% of annotated in SOM at the level	Genes in platform	Number in platform	% of annotated in platform at the level	#1 vs #2	Adjusted p value
translation (GO:0006412)	6	At5g24510 At1g22	13	21.7%	At2g39990 At1g02780 At3	472	5.3%	80.34% 19.66%	5.6E-03

Table S6. Enriched GO terms within the genes up-regulated from 0-1 to 2-3 DPA

Over-represented and under-represented GO terms within the genes identified as up-regulated from 0-1 DPA to 2-3 DPA. In black, non-redundant GO terms. Significant enriched GO terms were considered when adjusted p value < 0.05. GO level of the term; AGI, number and percentage of genes included in 2-3 dpa up-regulated genes at the level; AGI, number and percentage of genes included platform at the level; and adjusted p value of significance are shown.

Over-represented GO terms	Level	Genes 2-3 DPA Up	Number in 2-3 DPA Up	% of annotated in 2-3 Up at the level	Genes in platform	Number in platform	% of annotated in platform at the level	2-3 DPA Up vs Platform	Adjusted p value
aging (GO:0007568)	3	At2g42620 At1g6616	16	3.6%	At3g49620 At5g24770 At5g53110 At1g54050 At1g53670 At3g05210 At3g04730 At1g69190 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	44	0.4%	90.19% 9.81%	2.8E-08
response to abiotic stimulus (GO:0009628)	3	At4g35770 At2g27170	66	14.6%	At3g53110 At1g54050 At1g53670 At3g05210 At3g04730 At1g69190 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	730	6.4%	69.56% 30.44%	5.9E-08
response to stress (GO:0006950)	3	At1g12780 At2g30670	71	15.7%	At1g53670 At3g05210 At3g04730 At1g69190 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	854	7.5%	67.76% 32.24%	1.8E-07
response to chemical stimulus (GO:0042221)	3	At4g37790 At1g54050	75	16.6%	At3g04730 At1g69190 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	1010	8.9%	65.24% 34.76%	4.1E-06
response to external stimulus (GO:0009605)	3	At4g35770 At4g00670	22	4.9%	At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	186	1.6%	74.94% 25.06%	1.7E-04
catabolic process (GO:0009056)	3	At3g10740 At1g27170	43	9.5%	At1g71770 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	545	4.8%	66.61% 33.39%	3.4E-04
autophagy (GO:0006914)	3	At4g21980 At4g16150	6	1.3%	At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	13	0.1%	92.11% 7.89%	4.5E-04
response to endogenous stimulus (GO:0009719)	3	At5g19140 At4g30670	52	11.5%	At4g37680 At2g34680 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	781	6.9%	62.73% 37.27%	3.4E-03
cellular response to stimulus (GO:0051716)	3	At2g45170 At3g47170	6	1.3%	At1g73730 At1g66270 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	25	0.2%	85.85% 14.15%	6.4E-03
response to water (GO:0009415)	4	At2g21620 At1g56160	22	5.2%	At5g25610 At5g52310 At2g19140 At4g30670 At5g19140 At4g30670	103	0.9%	84.57% 15.43%	1.7E-07
response to osmotic stress (GO:0006970)	4	At2g33380 At3g47170	24	5.7%	At5g50720 At2g37180 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	185	1.7%	76.9% 23.1%	7.2E-05
cellular catabolic process (GO:0044248)	4	At1g27980 At1g66160	35	9.7%	At5g41240 At1g65120 At2g19140 At4g30670 At5g19140 At4g30670	524	4.8%	66.76% 33.24%	2.5E-03
response to extracellular stimulus (GO:0009991)	4	At5g54730 At2g47170	8	1.9%	At3g23430 At1g78380 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	31	0.3%	84.73% 15.27%	5.5E-03
response to organic substance (GO:0010033)	4	At5g64930 At3g47170	10	2.4%	At1g31930 At3g51770 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	59	0.5%	81.31% 18.69%	5.5E-03
response to hormone stimulus (GO:0009725)	4	At5g19140 At4g30670	39	9.2%	At4g37680 At2g34680 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	540	5.0%	64.96% 35.04%	8.5E-03
response to inorganic substance (GO:0010033)	4	At1g07610 At5g00670	11	2.6%	At3g12750 At1g03120 At5g19140 At4g30670	81	0.7%	77.71% 22.29%	1.1E-02
multicellular organismal aging (GO:0010259)	4	At5g45890 At5g66160	5	1.2%	At3g52430 At5g17290 At1g23010 At3g52190 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	16	0.2%	88.91% 11.09%	1.4E-02
response to water deprivation (GO:0009414)	5	At2g21620 At1g56160	22	5.6%	At5g25610 At5g52310 At2g19140 At4g30670 At5g19140 At4g30670	95	1.0%	85.49% 14.51%	1.1E-07
response to abscisic acid stimulus (GO:0009725)	5	At1g76180 At3g10740	24	6.1%	At4g21440 At5g23720 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	176	1.8%	77.62% 22.38%	8.1E-05
response to salt stress (GO:0009651)	5	At3g19580 At4g30670	22	5.6%	At4g21440 At1g10940 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	164	1.6%	77.34% 22.66%	2.1E-04
nitrogen compound catabolic process (GO:0044248)	5	At1g64660 At3g47170	10	2.5%	At3g07570 At1g11860 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	36	0.4%	87.6% 12.4%	5.0E-04
energy reserve metabolic process (GO:0006112)	5	At1g70290 At1g30670	6	1.5%	At4g27550 At5g10100 At4g21440 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	19	0.2%	88.93% 11.07%	1.2E-02
response to carbohydrate stimulus (GO:0009743)	5	At4g35770 At5g56160	10	2.5%	At4g37680 At5g67030 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	58	0.6%	81.43% 18.57%	1.2E-02
organ senescence (GO:0010260)	5	At5g45890 At5g66160	5	1.3%	At3g52430 At5g11520 At5g19140 At4g30670	11	0.1%	92.04% 7.96%	1.2E-02
response to nutrient levels (GO:0031667)	5	At2g45170 At3g47170	7	1.8%	At1g23010 At3g52190 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	29	0.3%	86% 14%	1.3E-02
senescence (sensu Magnoliophyta) (GO:0010144)	5	At5g45890 At5g66160	5	1.3%	At3g52430 At5g17290 At1g23010 At3g52190 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	15	0.2%	89.45% 10.55%	2.5E-02
cellular response to extracellular stimulus (GO:0009725)	5	At2g45170 At3g47170	6	1.5%	At1g23010 At3g52190 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	25	0.3%	85.93% 14.07%	2.9E-02
response to desiccation (GO:0009269)	6	At2g21620 At1g76160	7	2.1%	At5g25610 At5g52310 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	10	0.1%	94.65% 5.35%	5.9E-04
amine catabolic process (GO:0009310)	6	At1g64660 At3g47170	9	2.6%	At3g07570 At1g11860 At5g58140 At3g10740 At1g27170 At1g77440 At1g21980 At4g16150 At5g61500 At2g44140 At2g19140 At4g30670 At5g19140 At4g30670	33	0.4%	87.34% 12.66%	4.3E-03
organ senescence (sensu Magnoliophyta) (GO:0010144)	6	At5g45890 At5g66160	5	1.5%	At3g52430 At5g11520 At5g19140 At4g30670	10	0.1%	92.67% 7.33%	1.5E-02
response to starvation (GO:0042594)	6	At1g54710 At5g56160	7	2.1%	At1g09020 At3g49620 At2g19140 At4g30670 At5g19140 At4g30670	26	0.3%	87.19% 12.81%	1.5E-02

response to sucrose stimulus (GO:0009744)	6 At4g35770 At5g20	7	2.1%	At4g37680 At4g01900 At4	27	0.3%	86.77%	13.23%	1.6E-02
amino acid catabolic process (GO:0009063)	7 At1g64660 At3g44	9	3.6%	At3g07570 At1g11860 At5	33	0.5%	88.1%	11.9%	5.2E-03
response to absence of light (GO:0009646)	7 At2g41100 At2g38	4	1.6%	At5g20230 At1g64520 At5	5	5.0%	95.6%	4.4%	2.4E-02
leaf senescence (GO:0010150)	7 At5g45890 At5g64	5	2.0%	At3g52430 At5g11520 At5	10	0.2%	93.14%	6.86%	2.4E-02
disaccharide metabolic process (GO:0005984)	7 At5g56870 At1g70	10	4.0%	At1g04920 At2g40840 At5	66	1.0%	80.45%	19.55%	2.7E-02
branched chain family amino acid metabolic pro	7 At3g45300 At2g33	6	2.4%	At3g45300 At2g31810 At4	21	0.3%	88.58%	11.42%	2.7E-02
branched chain family amino acid catabolic p	8 At3g45300 At4g34	4	2.1%	At5g65940 At5g43430	2	0.0%	98.13%	1.87%	1.2E-02
trehalose metabolic process (GO:0005991)	8 At1g70290 At1g33	6	3.1%	At5g51460 At4g27550 At5	16	0.3%	90.8%	9.2%	2.4E-02

Under-represented GO terms

cellular component organization and biogeni	3 At4g24570 At5g55	32	7.1%	At3g09520 At2g40060 At2	1339	11.7%	37.66%	62.34%	9.5E-03
reproductive process (GO:0022414)	3 At4g37300 At4g02	10	2.2%	At2g37260 At2g35210 At3	581	5.1%	30.32%	69.68%	2.1E-02
protein localization (GO:0008104)	3 At1g09070 At5g43	4	0.9%	At3g61450 At4g35450 At3	325	2.9%	23.73%	76.27%	4.0E-02
nucleobase, nucleoside, nucleotide and nucl	4 At3g13445 At4g33	60	14.1%	At4g04450 At1g67880 At2	2354	21.6%	39.55%	60.45%	4.8E-03
translation (GO:0006412)	6 At3g06040 At1g13	4	1.2%	At2g39990 At1g02780 At3	481	5.6%	17.38%	82.62%	9.2E-03

Table S7. Genes contributing to the second PC but not on the first PC in the PCA over the differentially expressed genes from the complete dataset

Genes contributing to the second principal component ([PC2 Score]>1.3) but not on the first principal component ([PC1 Score]<1.3) on the PCA over the differentially expressed genes in the complete dataset. Normalized Log2 (mean ratio relative to 0-1 DPA mean), Scores in the first and in the second principal components in the PCA analysis, and 3% FDR multiclass SAM Score (d) and q value are shown.

Oligo ID	AGI	Annotation	PC2 Score	PC1 Score	0-1 DPA Mean	2-3 DPA Mean	4-5 DPA Mean	6-7 DPA Mean	8-9 DPA Mean	10-11 DPA Mean	12-14 DPA Mean	Score(d) SAM MC (FDR 3%)	q-value SAM MC (FDR 3%)
A002643_01	At1g12010	putative amino-cyclopropane-carboxylic acid c	3.70	0.89	0	3.77	3.34	1.71	0.33	-0.08	-0.08	0.3	0.96
A007797_01	At2g32150	putative hydrolase; protein id: At2g32150.1	3.37	0.93	0	3.64	2.80	1.45	0.45	0.11	0.10	0.4	0.86
A024259_01	At3g48340	AtCEP2; cysteine proteinase; protein id: At3g4	3.26	0.32	0	3.46	3.41	1.97	0.86	0.24	1.10	0.1	1.28
A008562_01	At2g02990	ribonuclease, RNS1; protein id: At2g02990.1	3.26	0.46	0	3.56	3.18	1.69	0.87	0.06	0.97	0.3	0.95
A005155_01	At1g28660	expressed protein; protein id: At1g28660.1	3.11	0.27	0	3.78	3.25	1.20	0.88	0.77	1.09	0.3	0.95
A013676_01	At4g35690	putative protein; protein id: At4g35690.1	2.90	0.28	0	3.33	3.01	1.65	1.44	0.85	0.26	0.2	1.01
A016034_01	At5g50260	AtCEP1; cysteine proteinase; protein id: At5g4	2.86	-0.34	0	3.55	3.29	2.60	1.41	1.57	1.25	1.0	0.76
A024527_01	At1g75750	expressed protein; protein id: At1g75750.1	2.68	0.44	0	2.74	2.64	1.90	0.53	0.26	0.51	0.1	1.10
A018019_01	At5g14740	carbonic anhydrase 2; protein id: At5g14740.1	2.49	0.72	0	2.55	2.17	1.42	0.65	0.13	-0.25	1.2	0.74
A008873_01	At3g04070	NAM-like protein (no apical meristem); proteir	2.46	-0.85	0	3.51	3.19	2.47	1.85	1.28	2.48	0.1	1.05
A014688_01	At4g37610	putative protein; protein id: At4g37610.1	2.45	0.12	0	2.61	2.59	2.28	0.90	0.56	0.68	0.6	0.83
A012880_01	At4g11650	osmotin precursor; protein id: At4g11650.1	2.41	-0.12	0	2.24	3.11	2.47	1.45	0.59	0.65	1.2	0.72
A021133_01	At1g11190	bifunctional nuclease bfn1; protein id: At1g11	2.36	-0.25	0	2.90	2.80	1.95	1.36	0.68	1.44	0.1	1.19
A008415_01	At2g18550	homeodomain protein; protein id: At2g18550.	2.30	-0.02	0	3.08	2.41	1.49	1.29	0.97	0.85	0.7	0.81
A007656_01	At2g44130	expressed protein; protein id: At2g44130.1	2.24	0.21	0	2.89	2.21	1.45	0.60	1.18	0.45	0.3	0.95
A014115_01	At4g28040	Medicago nodulin N21-like protein; protein id:	2.24	-0.27	0	2.70	2.71	2.28	1.11	1.32	0.96	1.6	0.68
A007362_01	At2g33830	auxin-regulated protein; protein id: At2g33830	2.24	-0.81	0	3.11	2.93	2.82	2.33	1.88	1.20	1.2	0.73
A014526_01	At4g14930	expressed protein; protein id: At4g14930.1	2.21	0.54	0	2.68	1.91	0.93	0.33	0.08	0.61	1.2	0.73
A018673_01	At5g01920	putative protein; protein id: At5g01920.1	2.13	0.06	0	2.36	2.32	2.08	0.85	0.81	0.50	0.1	1.60
A012430_01	At3g59270	putative protein; protein id: At3g59270.1	2.11	-1.20	0	3.26	3.18	2.68	2.92	2.27	1.59	0.2	0.99
A011193_01	At3g22060	receptor kinase common family, putative; prot	2.11	-0.19	0	2.22	2.65	2.35	1.66	0.92	0.38	0.1	1.59
A019608_01	At3g45970	putative protein; protein id: At3g45970.1	2.07	1.13	0	1.60	1.65	0.90	-0.19	-0.74	-0.56	0.1	1.45
A024469_01	At5g59820	zinc finger protein Zat12; protein id: At5g5982	2.02	-0.26	0	2.35	2.53	2.15	1.22	0.93	0.98	4.5	0.63
A022000_01	At5g56540	arabinogalactan-protein (AGP14); protein id: /	2.02	0.82	0	2.33	1.67	0.22	-0.29	-0.24	0.47	1.0	0.75
A002917_01	At1g68620	expressed protein; protein id: At1g68620.1	1.97	-0.99	0	3.00	2.92	2.30	1.81	1.79	2.12	0.2	1.02
A020777_01	At2g44500	similar to axi 1 protein from Nicotiana tabacun	1.91	-0.19	0	2.27	2.33	2.02	0.76	0.92	1.08	0.1	1.39
A021882_01	At5g14180	putative protein; protein id: At5g14180.1	1.89	0.10	0	2.17	2.12	1.42	0.72	0.31	0.88	1.6	0.70
A011810_01	At3g04720	hevein-like protein precursor (PR-4); protein ic	1.88	-0.58	0	2.52	2.65	2.15	1.86	1.73	0.78	0.1	1.18
A004618_01	At1g11260	glucose transporter; protein id: At1g11260.1	1.86	-0.57	0	2.55	2.44	2.22	1.62	1.31	1.26	1.0	0.75
A002045_01	At1g74670	GAST1-like protein; protein id: At1g74670.1	1.84	-0.22	0	1.67	2.52	2.52	1.62	0.72	0.26	0.2	1.00
A008712_01	At2g31945	expressed protein; protein id: At2g31945.1	1.84	-1.13	0	3.19	2.87	1.82	1.61	1.88	2.74	1.2	0.72
A001631_01	At1g35910	trehalose-phosphatase, putative; protein id: A	1.84	0.95	0	2.01	1.45	0.09	-0.16	-0.06	-0.31	2.2	0.67
A000319_01	At1g26820	ribonuclease, RNS3; protein id: At1g26820.1	1.82	0.35	0	2.11	1.72	1.09	0.72	-0.14	0.60	0.2	0.99
A018934_01	At5g58410	unknown protein; protein id: At5g58410.1	1.80	0.16	0	1.95	1.93	1.74	0.66	0.49	0.43	0.1	1.76
A001155_01	At1g69490	expressed protein; protein id: At1g69490.1	1.80	-0.45	0	2.92	2.16	1.19	1.27	0.78	2.02	1.6	0.70

A009107_01	At3g57520	glycosyl hydrolase family 36; protein id: At3g5	1.78	0.84	0	1.62	1.39	1.13	-0.39	-0.23	-0.13	0.8	0.77
A005246_01	At1g02660	expressed protein; protein id: At1g02660.1	1.77	-0.16	0	2.17	2.21	1.57	0.89	0.63	1.14	0.1	1.60
A021937_01	At1g14870	unknown protein; protein id: At1g14870.1	1.77	0.44	0	1.74	1.83	1.08	0.57	-0.18	0.27	0.1	1.07
A020847_01	At1g10070	tat-binding protein, putative; protein id: At1g10070.1	1.73	-1.25	0	3.25	2.72	2.08	2.57	2.57	1.80	0.1	1.23
A005366_01	At5g20250	glycosyl hydrolase family 36; protein id: At5g20250.1	1.69	-0.98	0	2.35	2.71	2.61	1.83	1.55	1.80	4.5	0.63
A008578_01	At2g38400	putative beta-alanine-pyruvate aminotransferase; protein id: At2g38400.1	1.68	0.70	0	1.90	1.29	0.71	0.29	-0.10	-0.13	1.6	0.68
A006104_01	At2g05520	putative glycine-rich protein; protein id: At2g05520.1	1.65	-0.53	0	1.96	2.56	2.25	1.67	1.92	0.27	0.5	0.84
A002539_01	At1g32170	xyloglucan endotransglycosylase (XTR4), putative; protein id: At1g32170.1	1.65	-0.24	0	1.77	2.21	2.10	1.31	0.80	0.57	0.1	2.27
A019587_01	At4g09030	arabinogalactan-protein (AGP10); protein id: At4g09030.1	1.61	0.83	0	1.24	1.43	0.82	-0.34	-0.61	-0.05	0.1	1.05
A022381_01	At4g27260	GH3 like protein; protein id: At4g27260.1	1.59	-0.10	0	2.11	1.91	1.26	0.96	0.64	0.91	0.1	1.19
A016319_01	At5g44610	expressed protein	1.57	-0.28	0	2.41	1.95	1.10	0.75	0.90	1.54	0.1	1.19
A003736_01	At1g68230	unknown protein; protein id: At1g68230.1	1.57	0.64	0	1.38	1.50	0.79	0.52	-0.46	-0.18	0.1	1.16
A018251_01	At5g14360	putative protein; protein id: At5g14360.1	1.56	0.49	0	1.79	1.32	0.85	-0.19	-0.33	<invalid>	0.2	1.01
A012159_01	At3g09950	hypothetical protein; protein id: At3g09950.1	1.54	1.07	0	1.20	0.90	0.79	0.35	-1.09	-0.81	0.5	0.84
A019611_01	At5g02230	putative protein; protein id: At5g02230.1	1.52	0.40	0	1.88	1.29	0.90	0.23	-0.21	0.72	0.3	0.92
A012369_01	At3g44240	CCR4-associated factor 1-like protein; protein id: At3g44240.1	1.52	-0.08	0	2.63	1.51	0.78	1.49	0.98	0.61	0.8	0.79
A007795_01	At2g47270	expressed protein; protein id: At2g47270.1	1.51	0.13	0	1.76	1.66	1.35	0.38	0.40	0.68	0.8	0.77
A026002_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g07440.1	1.50	0.53	0	1.63	1.34	0.84	0.31	0.01	0.01	0.8	0.79
A025847_01	At5g07440	glutamate dehydrogenase 2; protein id: At5g07440.1	1.50	0.47	0	1.58	1.44	0.90	0.35	-0.03	0.13	1.2	0.73
A016924_01	At5g42200	putative protein; protein id: At5g42200.1	1.48	-0.04	0	1.67	1.84	1.56	0.89	0.54	0.56	1.6	0.70
A013034_01	At4g10910	expressed protein; protein id: At4g10910.1	1.47	0.13	0	2.43	1.32	0.60	1.25	0.76	0.31	0.1	1.13
A012812_01	At3g47950	H+-transporting ATPase - like protein; protein id: At3g47950.1	1.47	-0.81	0	2.80	2.16	1.34	0.79	1.72	2.41	4.5	0.62
A009890_01	At3g30775	hypothetical protein; protein id: At3g30775.1	1.47	0.90	0	1.32	1.09	0.51	-0.31	-0.55	-0.21	0.2	0.97
A006935_01	At2g26170	thromboxane-A synthase(cytochrome p450 family 17C subfamily 1 member 1); protein id: At2g26170.1	1.47	0.71	0	1.27	1.28	0.85	-0.29	-0.44	0.10	0.4	0.89
A021628_01	At2g32190	expressed protein; protein id: At2g32190.1	1.47	-0.63	0	1.93	2.35	1.81	1.05	0.82	1.90	0.1	1.23
A025798_01	At1g12780	uridine diphosphate glucose epimerase; protein id: At1g12780.1	1.46	-0.81	0	2.43	2.12	2.07	1.93	1.58	1.37	0.2	0.97
A016359_01	At5g09440	putative protein; protein id: At5g09440.1	1.46	-0.35	0	2.02	1.95	1.64	1.31	0.99	0.90	0.7	0.81
A013429_01	At4g01330	putative protein kinase; protein id: At4g01330.1	1.45	0.52	0	1.51	1.27	1.00	0.37	-0.08	-0.04	0.5	0.85
A013995_01	At4g24230	putative protein; protein id: At4g24230.1	1.44	0.34	0	1.97	1.30	0.78	0.37	0.74	0.09	0.1	1.43
A020400_01	At3g15630	expressed protein; protein id: At3g15630.1	1.43	0.12	0	1.97	1.43	1.08	0.85	0.50	0.45	0.7	0.81
A003567_01	At1g64660	methionine/cystathionine gamma lyase, putative; protein id: At1g64660.1	1.42	1.15	0	1.47	0.71	-0.06	-0.66	-0.68	-0.35	0.1	1.09
A016324_01	At5g39610	NAM / CUC2 - like protein; protein id: At5g39610.1	1.42	-0.53	0	2.57	1.89	0.97	1.26	1.03	1.83	1.0	0.74
A025759_01	At2g22980	putative serine carboxypeptidase I; protein id: At2g22980.1	1.42	-0.85	0	2.32	2.15	2.25	2.00	1.85	1.10	1.6	0.68
A021978_01	At1g08630	expressed protein; protein id: At1g08630.1	1.40	1.03	0	1.76	0.81	-0.45	-0.05	-0.24	-0.56	0.1	1.15
A003186_01	At1g67070	phosphomannose isomerase, putative; protein id: At1g67070.1	1.40	-0.33	0	2.18	1.90	1.20	0.19	1.40	1.47	0.2	1.02
A009139_01	At3g51600	non-specific lipid transfer protein; protein id: At3g51600.1	1.39	0.42	0	1.30	1.51	0.97	0.62	-0.02	-0.14	0.3	0.91
A015062_01	At4g38470	protein kinase like protein; protein id: At4g38470.1	1.35	0.05	0	1.80	1.53	1.07	0.73	0.57	0.56	1.6	0.68
A014855_01	At4g34320	hypothetical protein common family; protein id: At4g34320.1	1.34	-1.25	0	2.41	2.57	1.94	2.15	1.58	2.37	0.1	1.09
A002677_01	At1g61890	expressed protein; protein id: At1g61890.1	1.32	1.26	0	0.74	0.77	0.40	-0.61	-1.01	-0.92	0.1	1.45
A004431_01	At1g08630	expressed protein; protein id: At1g08630.1	1.31	0.80	0	1.76	0.86	-0.21	0.10	-0.01	-0.31	0.1	1.28
A006021_01	not annotated EST	ethylene-responsive element binding protein; protein id: At1g08630.1	1.30	-1.00	0	2.12	2.29	2.17	1.62	1.58	1.86	4.5	0.63
A010541_01	At3g17070	peroxidase, putative; protein id: At3g17070.1	-1.34	0.20	0	-1.39	-1.01	-0.87	-0.27	-0.36	-0.29	2.2	0.64
A018803_01	At5g65430	14-3-3 protein GF14 kappa (grf8); protein id: At5g65430.1	-1.41	1.08	0	-1.80	-1.91	-1.53	-1.20	-1.40	-1.23	0.1	1.18
A021829_01	At5g10390	histone H3 - like protein; protein id: At5g10390.1	-1.42	1.26	0	-1.96	-1.95	-1.78	-1.50	-1.52	-1.46	0.1	1.31

A025911_01	At4g23560	glycosyl hydrolase family 9; protein id: At4g23	-1.42	0.81	0	-0.90	-2.07	-2.20	-2.58	-1.38	1.09	0.6	0.83
A019861_01	At2g37470	putative histone H2B; protein id: At2g37470.1	-1.45	0.39	0	-1.47	-1.33	-1.15	-0.54	-0.44	-0.53	0.3	0.93
A006284_01	At2g45290	putative transketolase precursor; protein id: A	-1.45	0.83	0	-1.65	-1.85	-1.16	-0.31	-0.74	-1.71	2.2	0.64
A011606_01	At3g55120	chalcone isomerase; protein id: At3g55120.1	-1.46	0.88	0	-2.09	-1.51	-1.42	-1.29	-1.38	-0.87	0.1	1.50
A003101_01	At1g06550	3-hydroxyisobutyryl-coenzyme A hydrolase, p	-1.49	0.72	0	-1.67	-1.81	-1.08	-0.30	-0.77	-1.45	2.2	0.67
A019633_01	At3g22850	unknown protein; protein id: At3g22850.1	-1.50	0.54	0	-1.73	-1.38	-1.27	-1.25	-0.59	-0.45	1.0	0.75
A015380_01	At4g15160	cell wall protein like; protein id: At4g15160.1	-1.55	-1.19	0	-0.92	-0.21	0.39	1.15	1.37	1.01	0.1	1.69
A019532_01	At4g19690	Fe(II) transport protein; protein id: At4g19690.	-1.56	0.27	0	-1.68	-1.17	-1.33	-0.56	-0.63	-0.17	1.6	0.70
A003997_01	At1g80170	polygalacturonase, putative; protein id: At1g80	-1.57	-1.09	0	-0.69	-0.38	-0.15	1.28	1.38	0.86	0.1	1.25
A016536_01	At5g47060	putative protein; protein id: At5g47060.1	-1.57	-0.42	0	-1.09	-1.03	-0.36	-0.01	0.28	0.72	0.1	1.15
A016527_01	At5g56500	rubisco subunit binding-protein beta subunit p	-1.59	0.97	0	-1.83	-2.12	-1.49	-1.20	<invalid>	-1.16	0.1	1.49
A019642_01	At5g48880	3-keto-acyl-CoA thiolase 2 (gb|AAC17877.1);	-1.62	1.25	0	-2.29	-2.05	-1.85	-1.64	-1.59	-1.48	2.2	0.64
A024485_01	At1g22410	3-deoxy-D-arabino-heptulosonate 7-phosphat	-1.63	-0.30	0	-1.33	-1.14	-0.25	0.66	0.36	-0.32	2.2	0.67
A014945_01	At4g14680	ATP-sulfurylase; protein id: At4g14680.1	-1.63	-0.79	0	-0.88	-0.79	-0.38	0.38	0.55	1.31	1.6	0.69
A011436_01	At3g09190	MZB10.23; pseudogene, lectin GB:AAD56334	-1.63	-0.01	0	-1.04	-1.52	-1.03	-0.07	0.17	-0.11	2.2	0.67
A012116_01	At3g12520	sulphate transporter, putative; protein id: At3g	-1.66	-0.92	0	-0.68	-0.75	-0.50	0.43	0.85	1.51	0.1	1.10
A008472_01	At2g37040	phenylalanine ammonia lyase (PAL1); protein	-1.70	-1.25	0	-0.89	-0.67	0.69	1.72	1.07	0.95	1.6	0.69
A017452_01	At5g09990	expressed protein; protein id: At5g09990.1	-1.91	-0.18	0	-1.46	-1.52	-1.18	-0.17	-0.18	0.43	1.6	0.69
A001612_01	At1g25530	lysine and histidine specific transporter, putati	-1.97	-1.27	0	-0.86	-0.72	-0.46	0.70	1.33	1.70	0.1	1.59
A006197_01	At2g01610	unknown protein; protein id: At2g01610.1	-2.01	-0.37	0	-1.61	-1.41	-0.86	-0.14	0.06	0.57	0.2	0.96
A025683_01	At1g68740	putative receptor protein; protein id: At1g6874	-2.24	-0.76	0	-1.49	-1.38	-0.97	0.22	0.48	1.06	1.0	0.75
A001129_01	At1g78370	glutathione transferase, putative; protein id: A	-2.40	0.24	0	-2.57	-2.13	-1.45	-0.91	-0.87	-0.26	0.5	0.84

Table S8. Enriched GO terms within the genes positively contributing to the second PC, but not to the first PC, in the PCA over the differentially expressed genes from the complete dataset

Enriched GO terms and genes included within the genes positively contributing to the second principal component (PC2 Score>1.3), but not to the first principal component ([PC1 Score]<1.3), within the differentially expressed genes in the complete dataset. Normalized Log2 (mean ratio relative to 0-1 dpa mean), Scores for contribution to the second principal component in the PCA analysis, and 3% FDR multiclass SAM Score (d) and q value are shown.

Over-represented GO term	Level	Number in (+PC2)-PC1	% of annotated in (+PC2)-PC1 at the level	Number in platform	% of annotated in platform at the	(+PC2)-PC1 vs Platform	Adj p value					
aging (GO:000	3	5	10.4%	55	0.5%	95.7%	4. 2.4E-04					
Genes in the term												
Oligo ID	AGI	Annotation	PC2 Score	0-1 DPA	2-3 DPA	4-5 DPA	6-7 DPA	8-9 DPA	10-11 DPA	12-14 DPA	3%FDR multiclass SAM Score (d)	3%FDR multiclass SAM q value
A000319_01	At1g26820	ribonuclease, RNS3	1.82	0	2.11	1.72	1.09	0.72	-0.14	0.60	0.2	9.9E-01
A003186_01	At1g67070	phosphomannose isomerase, putative	1.40	0	2.18	1.90	1.20	0.19	1.40	1.47	0.2	1.0E+00
A001155_01	At1g69490	expressed protein	1.80	0	2.92	2.16	1.19	1.27	0.78	2.02	1.6	7.0E-01
A008562_01	At2g02990	ribonuclease, RNS1	3.26	0	3.56	3.18	1.69	0.87	0.06	0.97	0.3	9.5E-01
A005366_01	At5g20250	glycosyl hydrolase family 36	1.69	0	2.35	2.71	2.61	1.83	1.55	1.80	4.5	6.3E-01

Table S9. Genes discarded from lists of significant regulated due to presumably seed expression origin

The following genes were removed from the corresponding list of significant regulated during unfertilized pistil post-anthesis development. Genes found significant expressed in at least four of the time points included in the seed development microarray analysis experiment from AtGenExpress-SeedsSiliques (<http://www.genomforschung.uni-bielefeld.de/GF-research/AtGenExpress-SeedsSiliques.html>), arrays ATGE_76 to ATGE_84, were considered as presumably proceeding from escaped seeds harvested among pistils and were removed. Normalized Log₂ (mean ratio relative to 0-1 DPA mean), 3% FDR multiclass SAM Score (d) and q value, and expression present in the time points of seed development corresponding to ATGE_76 - ATGE_84 microarrays are shown.

Discarded from the complete dataset

Oligo ID	AGI	Annotation	0-1 DPA	2-3 DPA	4-5 DPA	6-7 DPA	8-9 DPA	10-11 DPA	12-14 DPA	3% FDR multiclass SAM Score (d)	3% FDR multiclass SAM q value
A015892_01	At5g58070	outer membrane lipoprotein - like; protein id: At5g58070.1	0	0.61	0.92	1.10	1.10	1.10	1.38	1.3	0.06
A005991_01	At5g44120	legumin-like protein; protein id: At5g44120.1	0	-0.51	0.59	0.12	3.11	3.16	4.71	0.9	0.48
A020404_01	At5g44120	legumin-like protein; protein id: At5g44120.1	0	-0.44	0.59	0.66	3.83	4.00	5.70	1.0	0.18
A017737_01	At5g38160	lipid transfer - like protein; protein id: At5g38160.1	0	0.12	1.45	2.91	4.81	3.86	1.55	0.6	4.47
A005176_01	At4g28520	12S cruciferin seed storage protein; protein id: At4g28520.1	0	-0.22	0.60	0.18	3.14	3.31	5.03	0.8	0.55
A013238_01	At4g27160	NWMU3 - 2S albumin 3 precursor; protein id: At4g27160.1	0	-0.46	0.28	0.07	2.59	2.60	3.47	0.7	0.96
A021979_01	At4g27150	NWMU2 - 2S albumin 2 precursor; protein id: At4g27150.1	0	-0.65	-0.03	-0.17	2.66	2.66	2.99	0.8	0.55
A012893_01	At4g27140	NWMU1 - 2S albumin 1 precursor; protein id: At4g27140.1	0	-0.73	0.09	-0.29	2.59	2.76	3.50	0.9	0.31
A021227_01	At3g58200	putative protein; protein id: At3g58200.1	0	-1.19	-1.95	-1.83	-1.39	-0.42	-1.71	0.9	0.27
A009011_01	At3g22640	expressed protein; protein id: At3g22640.1	0	2.64	2.04	0.65	0.86	0.85	1.32	0.8	0.81
A012839_01	At3g08860	putative aminotransferase; protein id: At3g08860.1	0	1.72	2.07	1.59	2.09	2.59	4.20	0.7	1.61
A023277_01	At1g47540	trypsin inhibitor 2, putative; protein id: At1g47540.1	0	1.51	1.94	2.26	2.99	3.11	3.22	2.3	0.06

Discarded from the dataset reduced to 0-1, 2-3 and 10-14 DPA

Oligo ID	AGI	Annotation	0-1 DPA	2-3 DPA	10-14 DPA	3% FDR multiclass SAM Score (d)	3% FDR multiclass SAM q value	Seed (2-2.75 DPA)	Seed (2.75-3.5 DPA)	Seed (3.5-3.75 DPA)	Seed (4.5-5 DPA)
A020404_01	At5g44120	legumin-like protein; protein id: At5g44120.1	0	-0.44	4.85	2.5	0.05		expressed	expressed	expressed
A005991_01	At5g44120	legumin-like protein; protein id: At5g44120.1	0	-0.51	3.94	2.2	0.05		expressed	expressed	expressed
A016906_01	At5g40420	oleosin; protein id: At5g40420.1	0	-0.64	1.78	1.6	0.41		expressed	expressed	expressed
A005176_01	At4g28520	12S cruciferin seed storage protein; protein id: At4g28520.1	0	-0.22	4.17	2.1	0.05		expressed	expressed	expressed
A020770_01	At4g28520	compared to genome	0	-1.53	3.45	1.2	2.11		expressed	expressed	expressed
A013238_01	At4g27160	NWMU3 - 2S albumin 3 precursor; protein id: At4g27160.1	0	-0.46	3.03	1.9	0.08		expressed	expressed	expressed
A021979_01	At4g27150	NWMU2 - 2S albumin 2 precursor; protein id: At4g27150.1	0	-0.65	2.82	2.2	0.05			expressed	expressed
A012893_01	At4g27140	NWMU1 - 2S albumin 1 precursor; protein id: At4g27140.1	0	-0.73	3.13	2.4	0.05			expressed	expressed
A009011_01	At3g22640	expressed protein; protein id: At3g22640.1	0	2.64	1.09	1.7	0.27			expressed	expressed
A012839_01	At3g08860	putative aminotransferase; protein id: At3g08860.1	0	1.72	3.40	1.3	1.42				
A023277_01	At1g47540	trypsin inhibitor 2, putative; protein id: At1g47540.1	0	1.51	3.16	5.1	0.05		expressed	expressed	expressed
A025900_01	At1g71890	putative sucrose transport protein; protein id: At1g71890.1	0	-0.31	-1.40	2.0	0.08		expressed	expressed	expressed

Oligo ID	AGI	Seed (2-2.75 DPA)	Seed (2.75-3.5 DPA)	Seed (3.5-3.75 DPA)	Seed (4.5-5 DPA)	Seed (3.75-4 DPA)	Seed (4-4.5 DPA)	Seed (5-6 DPA)	Seed (6-8 DPA)
A015892_01	At5g58070				expressed		expressed	expressed	expressed
A005991_01	At5g44120		expressed	expressed	expressed	expressed	expressed	expressed	expressed
A020404_01	At5g44120		expressed	expressed	expressed	expressed	expressed	expressed	expressed
A017737_01	At5g38160		expressed	expressed	expressed	expressed	expressed	expressed	expressed
A005176_01	At4g28520		expressed	expressed	expressed	expressed	expressed	expressed	expressed
A013238_01	At4g27160		expressed	expressed	expressed	expressed	expressed	expressed	expressed
A021979_01	At4g27150			expressed	expressed	expressed	expressed	expressed	expressed
A012893_01	At4g27140			expressed	expressed	expressed	expressed	expressed	expressed
A021227_01	At3g58200				expressed	expressed	expressed	expressed	expressed
A009011_01	At3g22640			expressed	expressed	expressed	expressed	expressed	expressed
A012839_01	At3g08860				expressed		expressed	expressed	expressed
A023277_01	At1g47540		expressed	expressed	expressed	expressed	expressed	expressed	expressed

Oligo ID	AGI	Seed (3.75-4 DPA)	Seed (4-4.5 DPA)	Seed (5-6 DPA)	Seed (6-8 DPA)
A020404_01	At5g44120	expressed	expressed	expressed	expressed
A005991_01	At5g44120	expressed	expressed	expressed	expressed
A016906_01	At5g40420	expressed	expressed	expressed	expressed
A005176_01	At4g28520	expressed	expressed	expressed	expressed
A020770_01	At4g28520	expressed	expressed	expressed	expressed
A013238_01	At4g27160	expressed	expressed	expressed	expressed
A021979_01	At4g27150	expressed	expressed	expressed	expressed
A012893_01	At4g27140	expressed	expressed	expressed	expressed
A009011_01	At3g22640	expressed	expressed	expressed	expressed
A012839_01	At3g08860	expressed	expressed	expressed	expressed
A023277_01	At1g47540	expressed	expressed	expressed	expressed
A025900_01	At1g71890	expressed			