Supplemental Information (SI)

Epigenomic Programming Contributes to the Genomic Drift Evolution of the F-Box Protein Superfamily in *Arabidopsis*

Zhihua Hua, John E. Pool, Robert J. Schmitz, Matthew D. Schultz, Shin-han Shiu, Joseph R. Ecker, and Richard D. Vierstra

Materials and Methods

Coordinate Mapping of *FBX* Genes in the Col-0 Reference Genome. The coding sequences (CDSs) of 897 *Arabidopsis thaliana FBX* genes described previously (1) were aligned with two versions of the Col-0 reference genome sequence, TAIR Version 7 and TAIR Version 10, using BLAT (2). Based on BLAT results, the coordinates for each *FBX* coding region (CR, including exonic and intronic regions) sequence, exonic sequences, and intronic sequences were obtained. If the coordinate of the middle nucleotide [$1/2(\text{Position}_{start}\text{-Position}_{end})$] of an *FBX* CR sequence was within the position range of another *FBX* CR sequence, the two *FBX* sequences were further compared and the redundant locus was removed. In total, 869 and 877 previously annotated *FBX* genes had unique loci in TAIR Version 7 and TAIR Version 10, respectively. For each unique *FBX* locus, the coordinates of four regions, 1-kb upstream the start codon (UP), CR, coding sequence (CDS), and 1-kb downstream the stop codon (DN) (Fig. S5*A*) were then obtained from TAIR Version 7 (for methylation analysis) and TAIR Version 10 (for single nucleotide polymorphism (SNP) analysis). Common, Lineage-Specific, and Pseudo *FBX* genes were retrieved from (1). Syntenic and nonsyntenic *FBX* genes were determined based on their presence and absence, respectively, in the syntenic blocks shared between *A. thaliana* and *A. lyrata,* which were retrieved from (3).

Frequency Calculation of Methylated *FBX* Genes. Based on the range (0 to 0.325 segregating sites per nucleotide) of *FBX* coding sequence SNP levels, 11 intervals, which represent increasing ranges of SNP values, were evenly split from low to high: 1, $0 \le x < 0.032$; 2, $0.032 \le x < 0.065$; 3, $0.065 \le x < 0.097$; 4, $0.097 \le x < 0.130$; 5, $0.130 \le x < 0.162$; 6, $0.162 \le x < 0.195$; 7, $0.195 \le x < 0.227$; 8, $0.227 \le x < 0.260$; 9, $0.260 \le x < 0.292$; 10, $0.292 \le x < 0.325$; 11, $0.325 \le x < 0.357$ (where x denotes the value of segregating sites per nucleotide of an *FBX* coding sequence). The number of *FBX* genes within each interval was counted for Common, Specific, and Pseudo groups. The fractions of Common, Specific, and Pseudo genes that are methylated at CG, CHG, or CHH positions were subsequently calculated and plotted in accordance with the increase of their SNP levels in each interval.

Minor Allele Frequency Analysis and Generalized McDonald-Kreitman Test. Compared to the Col-0 reference sequence, minor allele frequencies (MAFs) of non-synonymous (*n*) or synonymous (*s*) alleles in each segregating site of an *FBX* CDS were calculated using its aligned sequences, obtained from the Col-0 reference genome and the newly assembled sequences from 431 additional accessions. To simplify the frequency calculation, we defined a mutation as a non-synonymous allele if the corresponding codon encodes an amino acid different to that in the Col-0 reference sequence.

To determine divergent (*D*) mutations of an *A. thaliana FBX* gene, the coding sequence of its *Arabidopsis lyrata* orthologous CDS was retrieved from our previous analysis (1) and aligned as an out-group sequence to calculate the number of non-synonymous and synonymous divergent mutations (*Dn* and *Ds*) using the method described in (4). The number of non-synonymous and synonymous mutations from rare ($Pn_{MAF<5\%}$, $Ps_{MAF<5\%}$) and common ($Pn_{MAF\ge5\%}$, $Ps_{MAF\ge5\%}$) polymorphic alleles were counted by masking the alleles with MAF≥5% or MAF<5%, respectively, in the aligned 432 in-group sequences using the method described in (4).

Since mutations with MAF≥5% are common and nearly neutral (5-7), an excess of rare non-synonymous polymorphisms (due to deleterious mutations) was indicated if $Pn_{MAF<5\%}/Ps_{MAF<5\%} >> Pn_{MAF\geq5\%}/Ps_{MAF\geq5\%}$ (Fisher's exact test) (6). To remove the recently deleterious mutations that are not subject to neutral changes, we first calculated the neutral frequency of non-synonymous mutations in an *FBX* gene with $f_{neutral} = Pn_{MAF\geq5\%}/Ps_{MAF\geq5\%}$ by considering that polymorphic mutations with MAF≥5% are nearly neutral. Therefore, the total number of non-synonymous mutations that are under neutral changes was calculated with $Pn = f_{neutral}XPs_{MAF<5\%}+f_{neutral}XPs_{MAF\geq5\%}$. To assess whether non-synonymous mutations favor polymorphic neutral changes or divergent selection, α was calculated by $\alpha = 1-(Pn/Ps)(Ds/Dn)$, wherein $Ps = Ps_{MAF<5\%}+Ps_{MAF\geq5\%}$. A Fisher's exact test was applied to determine whether $\alpha >> 0$ (relaxed selection) or $\alpha << 0$ (adaptive selection) in an *FBX* gene.

Bayesian Multivariate Linear Regression Modeling. The expected expression level of each *FBX* gene was predicted using a multivariate linear regression model:

$$y_i = z_1b_1x_{i,1}+ ..... +z_jb_jx_{i,j}+....+z_pb_px_{i,p}+ \varepsilon_i$$

where y_i denotes the expected expression level, z_i is a uniformly distributed random number indicating the presence ($z_i = 1$) or absence ($z_i = 0$) of each parameter, z_jb_j represents the regression coefficient of each parameter, $x_{i,j}$ is the observed value of each genomic/epigenomic variant, and ε_i indicates each sampling variability that is conditionally independent and identically distributed from a normal distribution (0, σ^2). The observed expression data were normalized to fit an approximately normal distribution (0,1) for Bayesian analysis through a logarithmic transformation. In total, 58 genomic/epigenomic variants (*p*) were obtained to estimate their effects on the expression of an *FBX* gene (Table S1). Gibbs sampling (8) was used to calculate the posterior probability (*PP*) of a parameter (*p*) that actively affects *FBX* gene

expression. The mean expected expression value of each *FBX* gene was calculated using the mean regression coefficients averaged from 10,000X Gibbs sampling.

References

1. Hua Z, Zou C, Shiu SH, & Vierstra RD (2011) Phylogenetic comparison of *F-Box* (*FBX*) gene superfamily within the plant kingdom reveals divergent evolutionary histories indicative of genomic drift. *PLoS One* 6(1):e16219.
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4. Holloway AK, Lawniczak MK, Mezey JG, Begun DJ, & Jones CD (2007) Adaptive gene expression divergence inferred from population genomics. *PLoS Genet* 3(10):2007-2013.
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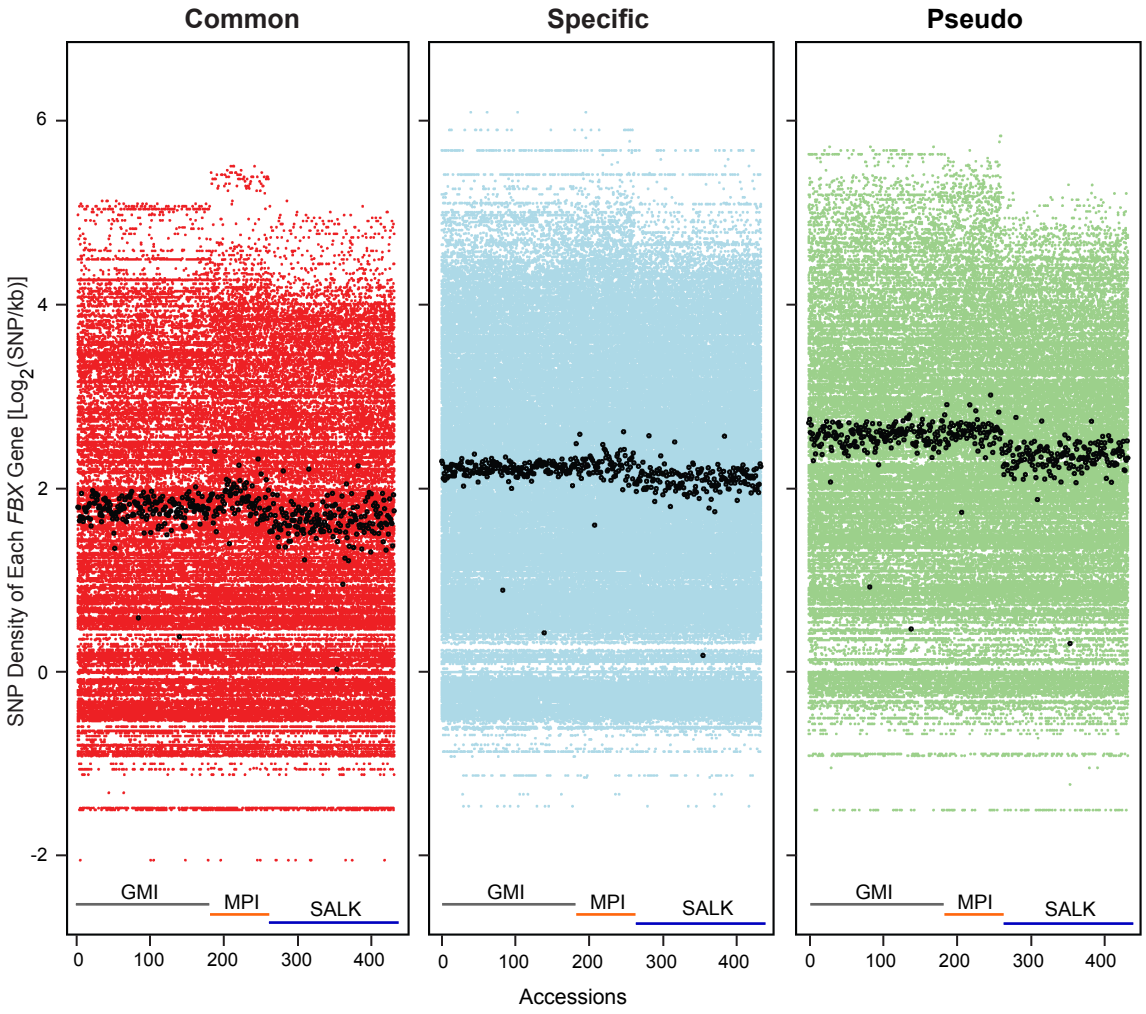


Fig. S1. SNP density for each *FBX* gene from Common, Lineage-Specific and Pseudo groups in 431 *Arabidopsis thaliana* accessions. The mutated sites aligned with each Col-0 reference *FBX* coding sequence were counted, normalized by sequence length, and plotted against each accession. Black circles represent the average number of mutated sites in all *FBX* genes from each group in each accession. GMI, MPI, and SALK highlight the accessions selected for whole-genome sequencing at the Gregor Mendel Institute of Molecular Plant Biology (Long *et al*., *Nat Genet* 2013 (45):884-890; 180 accessions), the Max Planck Institute (Cao *et al*., *Nat Genet* 2011 (43):956-963; 80 accessions), and the Salk Institute for Biological Studies (Schimtz *et al*., *Nature* 2013 (495):193-198; 171 accessions), respectively.

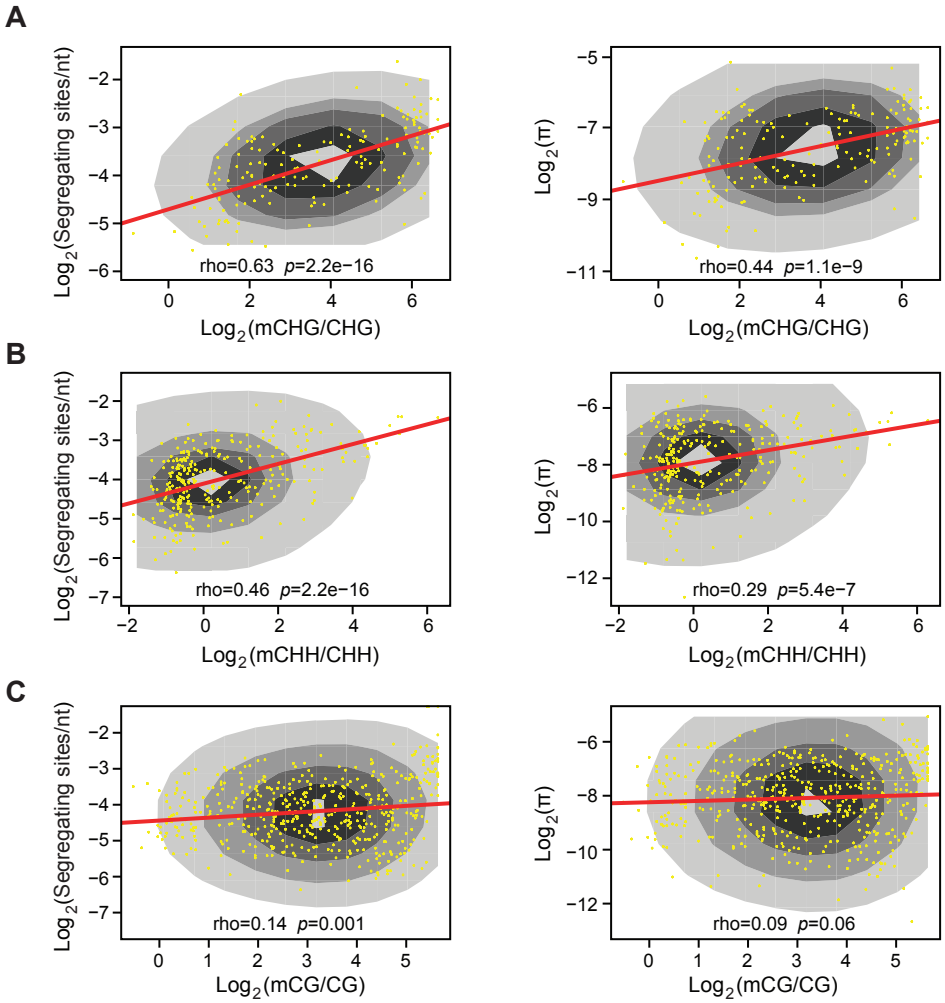


Fig. S2. Spearman ranking correlation test between sequence polymorphism (segregating sites/nt, left panels) or diversity (π, right panels) and the extent of coding sequence methylation at CHG (*A*), CHH (*B*), and CG (*C*) contexts. Yellow dots represent each pair of observed data. The probability distribution of the data in the quadratic panels is shown by a contour plot. Each contour (from inside to outside) represents the distribution of the 2.5, 26, 50, 75, and 97.5 percentiles of observed data. Correlation coefficients (rho), *p* values, and lines of best-fit linear regression are included.

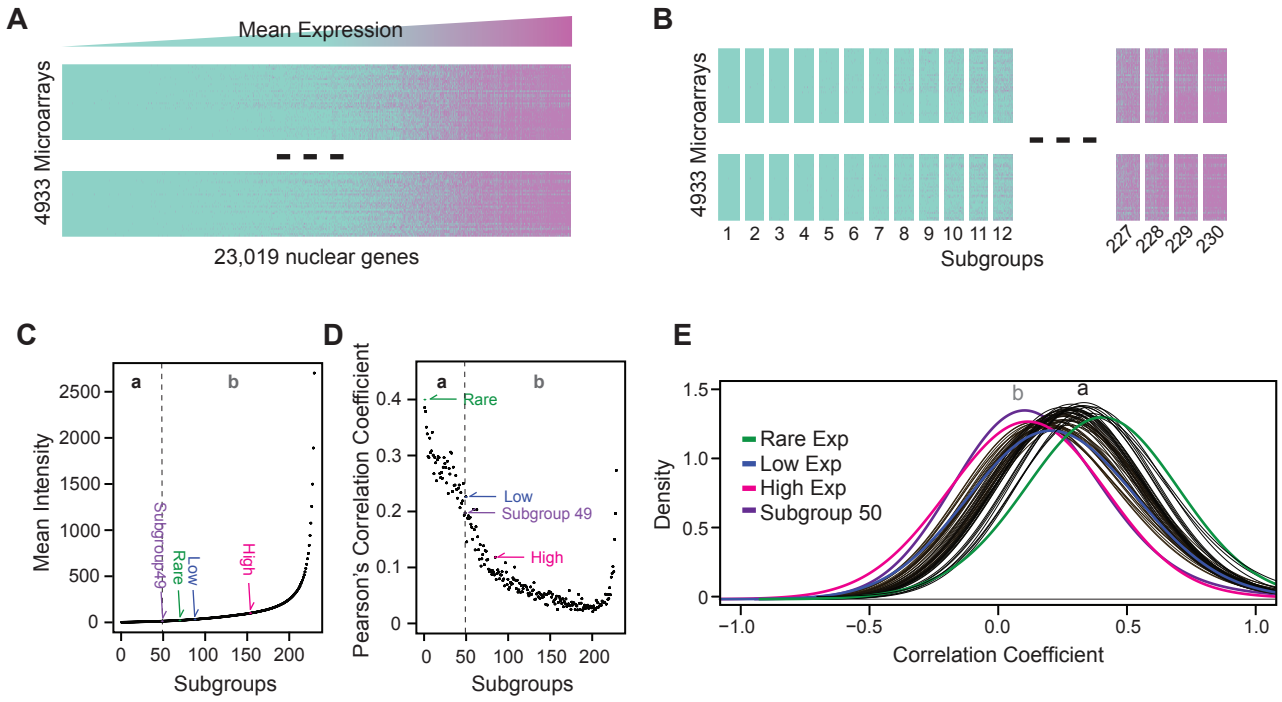


Fig. S3. Sampling of 230 subgroups of *FBX* transcripts for upregulated and basal expression patterns. (*A, B*) All 23,019 *Arabidopsis* transcripts whose expression was detected at least once in the Col-0 NASCArrays were aligned based on their mean expression level and equally split into 230 subgroups. (*C*) The exponential growth of the mean expression level of 230 subgroups of transcripts in Col-0 in NASCArrays. The subgroups with the closest mean expression level to High, Low, and Rare Exp(ression) *FBX* gene groups are marked. (*D*) Distribution of mean Pearson's correlation coefficients of 230 subgroups of transcripts in Col-0. The positions of High, Low, and Rare *FBX* gene groups are highlighted with the subgroups that share the closest mean Pearson's correlation coefficients. (*E*) Comparison of expression correlation extents between High, Low, and Rare Exp groups of *FBX* genes with the first 50 subgroups of transcripts shown in (*A*) and (*B*). Gaussian kernel density curves (bandwidth=0.25) were applied to estimate the relationship of pairwise Pearson's correlation coefficients of expression between each group. The first 49 subgroups of Col-0 transcripts and Low and Rare Exp groups of *FBX* genes overlapped with Cluster "a" which showed high expression correlation within each group. The 50th subgroup and High Exp group overlapped Cluster "b", which had lower expression correlation within the group.

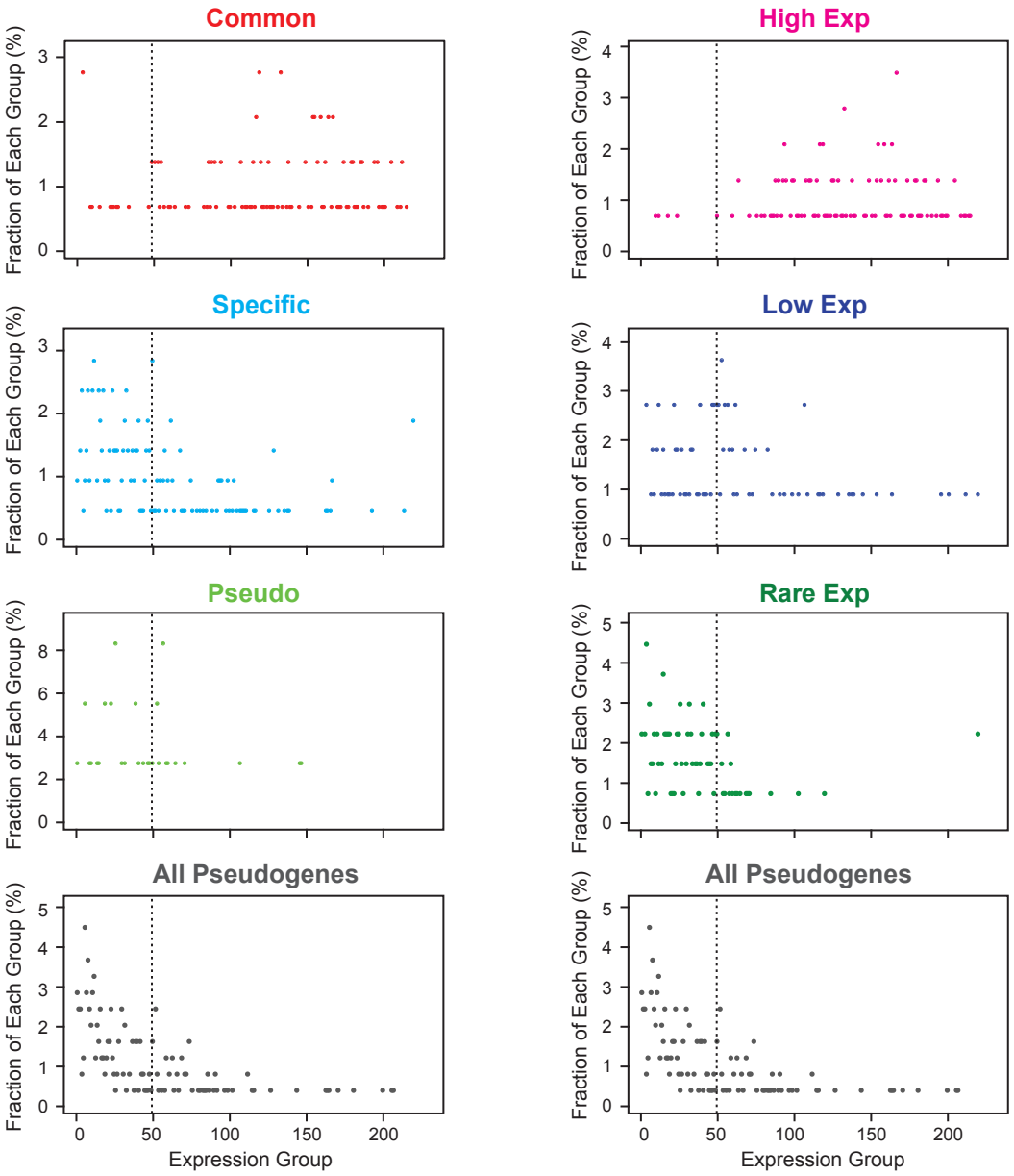
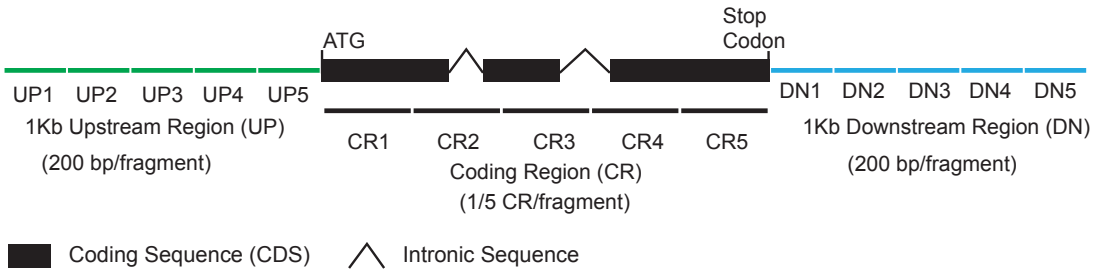


Fig. S4. Frequency distribution of *FBX* genes with Common, Lineage-Specific, and Pseudo evolutionary histories and High, Low, and Rare leaf expression profiles among accessions, along with all *Arabidopsis* pseudogenes, in 230 subgroups of transcripts in Col-0. Common, Lineage-Specific, and Pseudo groups are described in Fig. 1*A*. High, Low, and Rare Exp(ression) groups are described in Fig. 3. The list of all pseudogenes was retrieved from the current annotation in the *Arabidopsis* Information Resource (TAIR, Version 10). The division of 230 subgroups is described in Figs. S3*A* and S3*B*. The dashed lines mark the division between Cluster a genes (genes with basal expression and high expression correlation coefficients) and Cluster b genes (genes with upregulated expression and low expression correlation coefficients) in *Arabidopsis (see* Figs. 3*E* and S3).

A

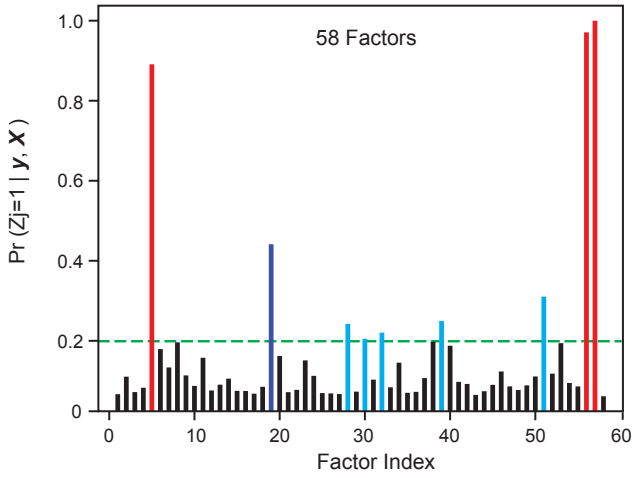


B

1	UP_π	30	CR1_CHG
2	CDS_π	31	CR2_CHG
3	DN_π	32	CR3_CHG
4	UP_*K*	33	CR4_CHG
5	CDS_*K*	34	CR5_CHG
6	DN_*K*	35	DN1_CHG
7	CDS_CG	36	DN2_CHG
8	CDS_CHG	37	DN3_CHG
9	CDS_CHH	38	DN4_CHG
10	UP1_CG	39	DN5_CHG
11	UP2_CG	40	UP1_CHH
12	UP3_CG	41	UP2_CHH
13	UP4_CG	42	UP3_CHH
14	UP5_CG	43	UP4_CHH
15	CR1_CG	44	UP5_CHH
16	CG2_CG	45	CR1_CHH
17	CR3_CG	46	CR2_CHH
18	CR4_CG	47	CR3_CHH
19	CR5_CG	48	CR4_CHH
20	DN1_CG	49	CR5_CHH
21	DN2_CG	50	DN1_CHH
22	DN3_CG	51	DN2_CHH
23	DN4_CG	52	DN3_CHH
24	DN5_CG	53	DN4_CHH
25	UP1_CHG	54	DN5_CHH
26	UP2_CHG	55	Max_rho
27	UP3_CHG	56	K_S
28	UP4_CHG	57	Taxa
29	UP5_CHG	58	α

π: Pairwise sequence diversity per nucleotide
K: Segregating sites per nucleotide
CG, CHG, CHH: Methylation Contexts
Max_rho: Maximum inter-SNP recombinaiton rate in the coding region calculated using LDHat (version 2.2)
K_S: Synonymous substitutions per synonymous site
Taxa: Taxinomic level of orthologous group
α: Recent selection pressure, α=1-(*Pn/Ps*)(*Ds/Dn*)

C



D

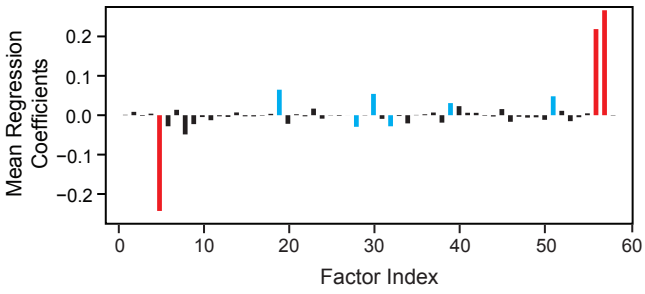


Fig. S5. Bayesian multivariate linear regression analysis of the *FBX* superfamily. (*A*) Different regions selected for calculating the values of 58 genomic and epigenomic variants (gene factors) in an *FBX* gene. (*B*) List of 58 different gene factors. (*C*) Posterior probability (*PP*) of a non-zero effect (Zj=1) of 58 gene factors in (*B*) on the *FBX* gene expression. ***y*** and ***X*** are two matrices containing the observed mean expression values for Col-0 in NASCArrays and the observed values of 58 gene factors, respectively, of 255 training *FBX* genes shown in Fig S6. (*D*) Mean regression coefficients averaged from 10,000X Gibbs samplings.

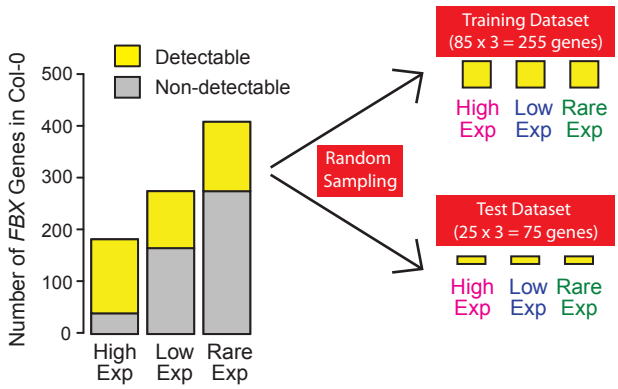


Fig. S6. Random sampling for Bayesian statistical modeling of *FBX* loci. High, Low, and Rare Exp(ression) groups were clustered based on the leaf RNA-seq expression analysis described in Fig. 3. Detectable and non-detectable *FBX* genes were defined by their presence or absence in the 4,933 microarrays available for Col-0 in the NASCArrays, respectively. For developing the Bayesian multivariate linear regression model, 85 and 25 detectable *FBX* genes were randomly sampled from each of High, Low, and Rare Exp groups and combined into training and test datasets, respectively.

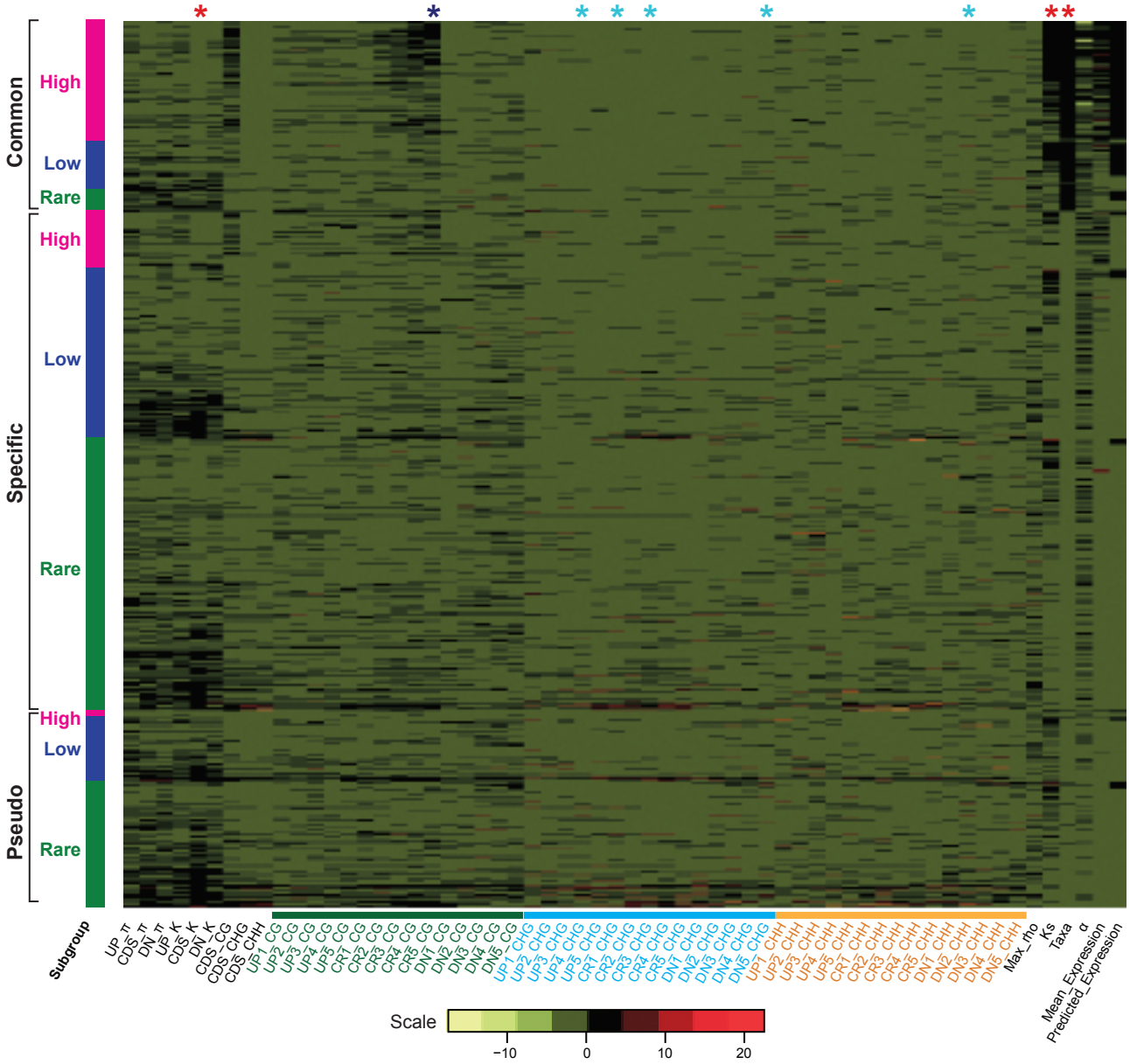


Fig. S7. A landscape view showing the impact of genomic and epigenomic factors on the expression of *FBX* genes. Each row represents one of the 869 *FBX* genes shown in Table S1. Each column represents one of the 58 gene factors described in Fig. S5 along with the observed mean expression data from the NASCArray datasets, and predicted mean expression values obtained by the Bayesian analysis described in Fig. S5. *FBX* genes in each subgroup were sorted based on their predicted expression values from high to low. The data in each column were then scaled to mean=0 and SD=1. The entire scaled data matrix was colored by heatmap.2 in R. Asterisks identify parameters with PP> 80% (red), >40% (dark blue), and >20% (cyan), respectively.

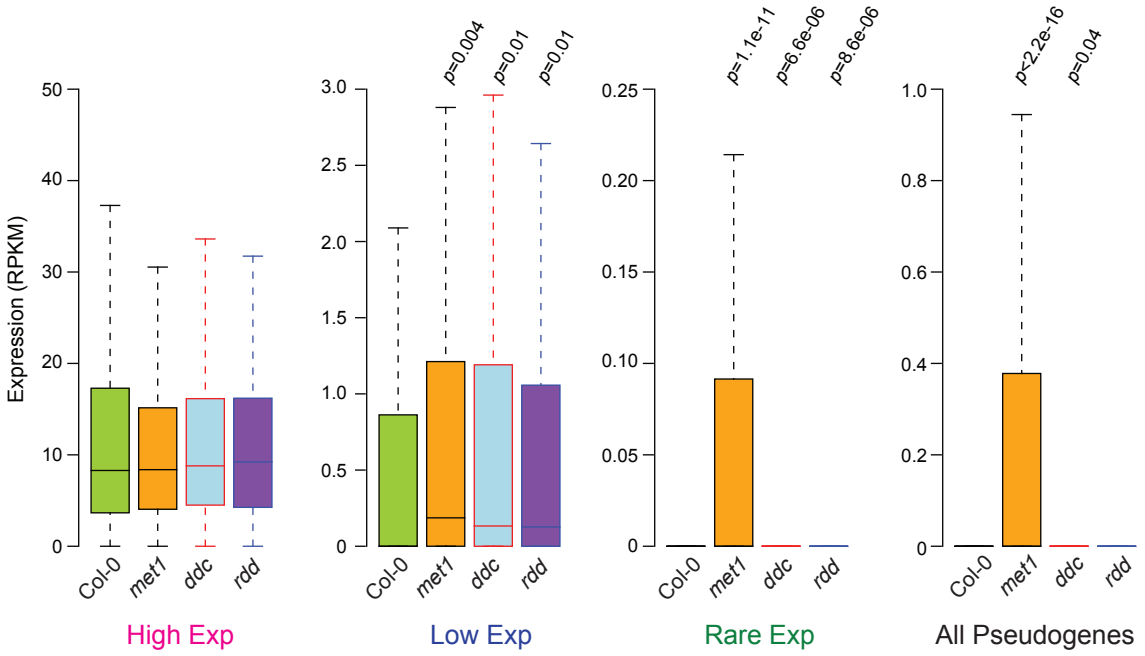


Fig. S8. Expression comparison of High, Low, Rare Exp(ression) *FBX* groups and all *Arabidopsis* pseudogenes between Col-0 and three methylation defective mutants (*met1*, *ddc*, *rdd*). *p*-values (Wicoxon rank sum test) show the significant expression differences of genes in each group between Col-0 and the three methylation defective mutants. All pseudogenes were retrieved from TAIR (Version 7).

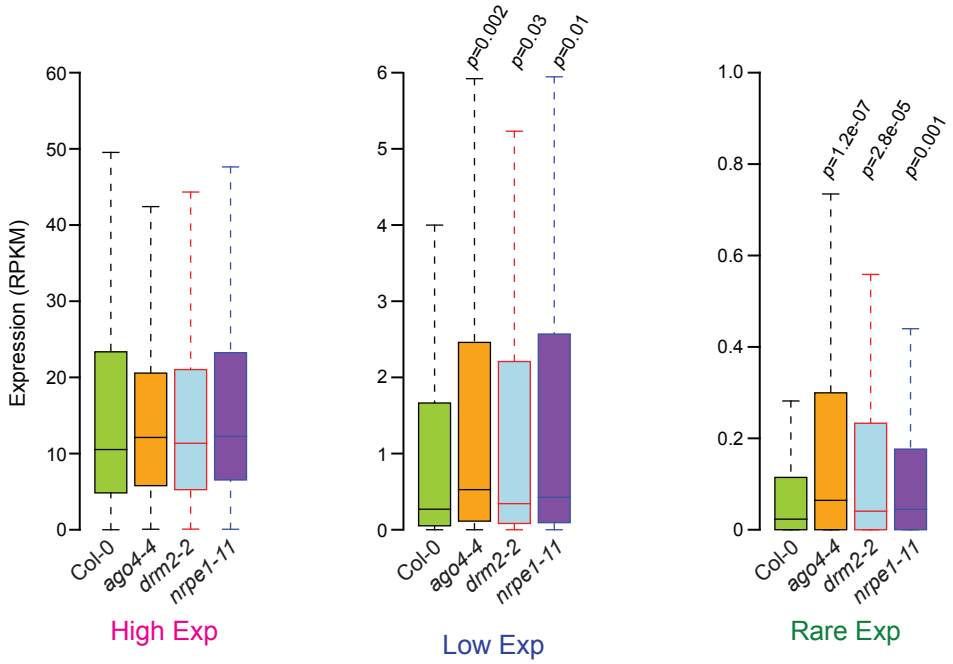


Fig. S9. Comparison of expression levels of *FBX* genes among mutants abrograting RdDM. Raw Illumina HiSeq RNA-seq data from floral tissue were retrieved from Ausin *et al*. (*Proc. Natl. Acad. Sci. USA* 2012 (109):8374-8381). The 50-bp RNA-Seq reads were aligned to the *Arabidopsis* genome (TAIR10) using TopHat2 (Version 2.0.8). Only reads mapping uniquely to the genome with a maximum of two mismatches were counted. The expression value of each *FBX* gene was calculated using Cufflinks (Version 2.1.1) based on the previous annotation in Hua *et al*. (*PLoS One* 2011 (6): e16219). *p*-values (Wicoxon rank sum test) show significantly higher expression levels of *FBX* genes in the mutants than in Col-0.

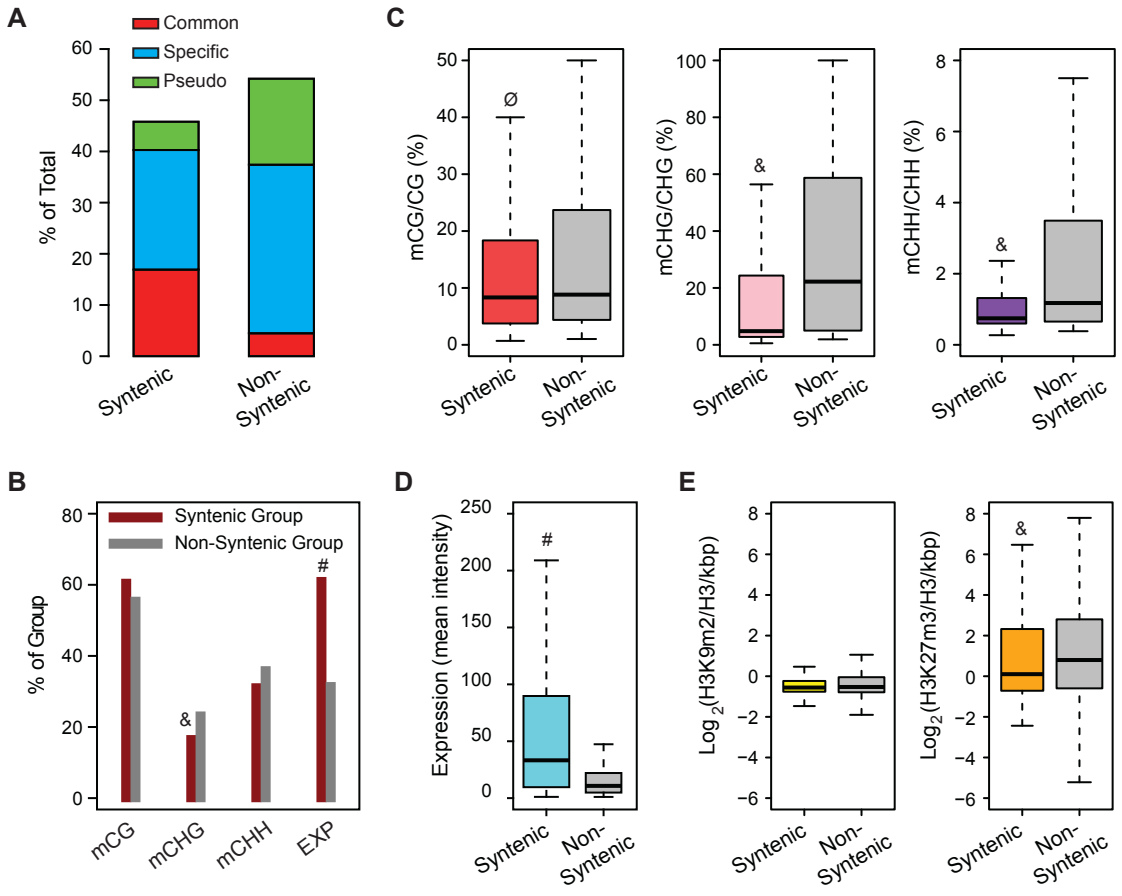


Fig. S10. Effects of gene duplications on the functional divergence of *FBX* genes. (*A*) The syntenic *FBX* group is more enriched for Common *FBX* genes while the non-syntenic *FBX* group is populated more by Lineage-Specific and Pseudo *FBX* genes. (*B*) Syntenic *FBX* genes are less frequently CHG methylated but are more frequently EXP(ressed). (*C*) CG, CHG, and CHH methylation levels are significantly lower in the corresponding methylated syntenic *FBX* genes than non-syntenic *FBX* genes. (*D*) Syntenic *FBX* genes have much higher expression levels than non-syntenic *FBX* genes. (*E*) H3K27m3, but not H3K9m2, is more enriched in the coding regions of non-syntenic *FBX* genes. See Fig. 1 for description of boxplots. *p* values in (*B*) were calculated by the Fischer's exact test and in (*C*-*E*) by Wilcoxon rank test. Ø = *p*(Syntenic Group<Non-Syntenic Group) <0.05. & = *p*(Syntenic Group<Non-Syntenic Group) <0.01. # = *p*(Syntenic Group>Non-Syntenic Group) <0.01.

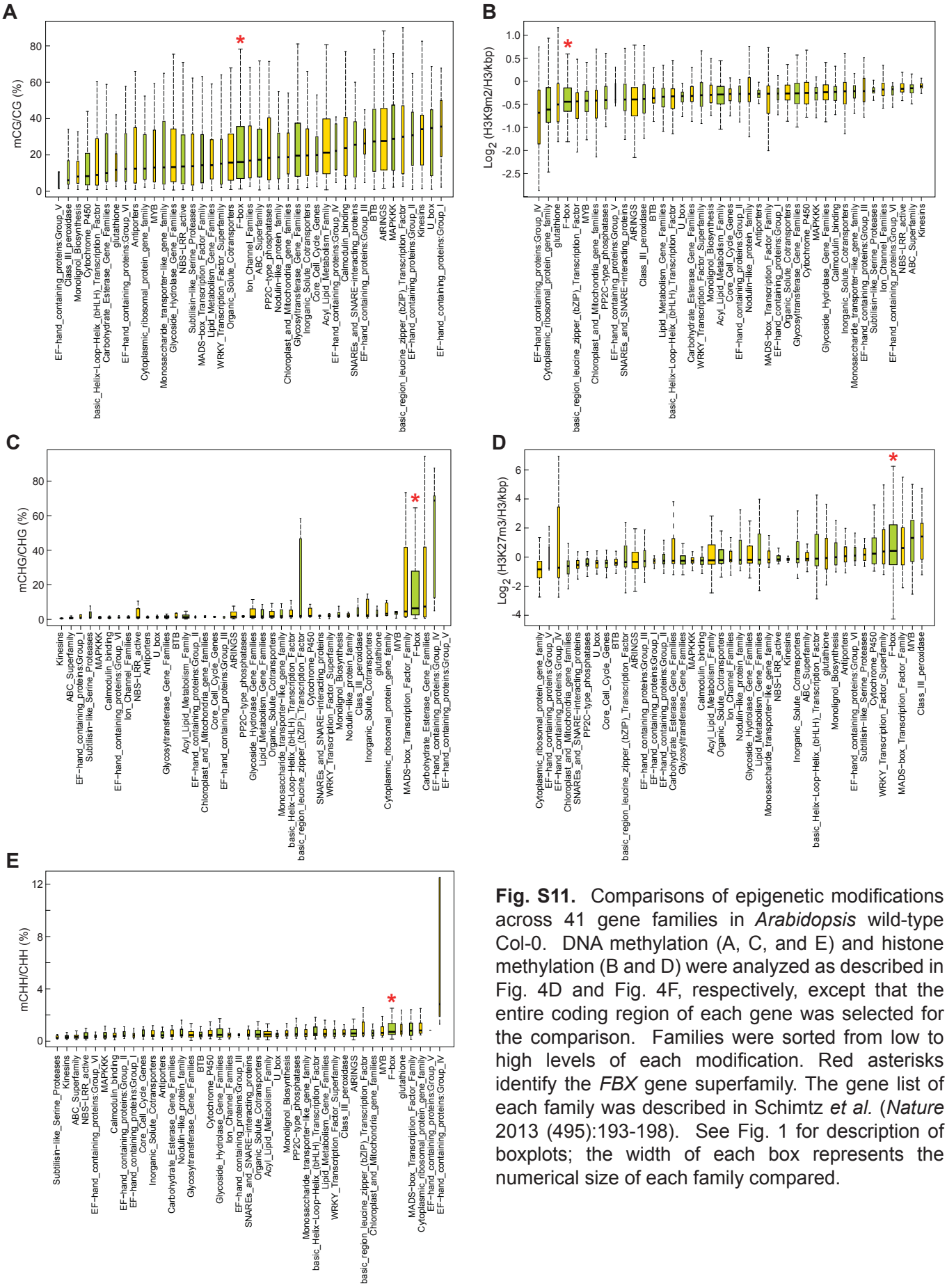


Fig. S11. Comparisons of epigenetic modifications across 41 gene families in *Arabidopsis* wild-type Col-0. DNA methylation (A, C, and E) and histone methylation (B and D) were analyzed as described in Fig. 4D and Fig. 4F, respectively, except that the entire coding region of each gene was selected for the comparison. Families were sorted from low to high levels of each modification. Red asterisks identify the *FBX* gene superfamily. The gene list of each family was described in Schimtz *et al.* (*Nature* 2013 (495):193-198). See Fig. 1 for description of boxplots; the width of each box represents the numerical size of each family compared.

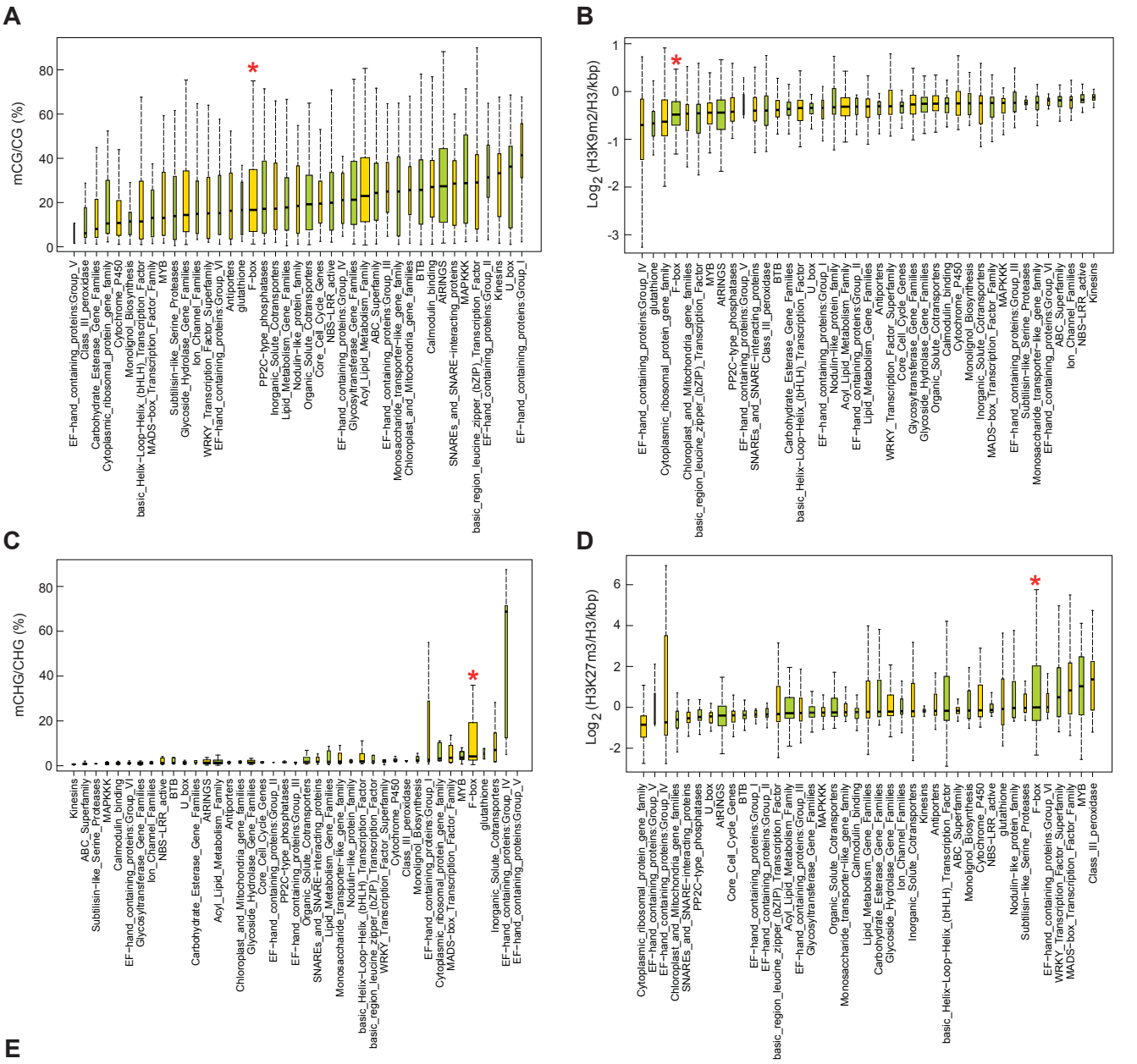


Fig. S12. Comparisons of epigenetic modifications across 41 gene families within syntenic blocks in *Arabidopsis* wild-type Col-0. DNA methylation (A, C, and E) and histone methylation (B and D) were analyzed as described in Fig. 4D and Fig. 4F, respectively, except that the entire coding region of each gene was selected for the comparison. Families were sorted from low to high levels of each modification. Red asterisks identify the *FBX* gene superfamily. The gene list of each family was described in Schimtz *et al.* (*Nature* 2013 (495):193-198). Syntenic blocks shared between *A. thaliana* and *A. lyata* were retrieved from Lee *et al.* (*Nucleic Acids Res* 2013(41):D1152-1158). See Fig. 1 for description of boxplots; the width of each box represents the numerical size of each family compared.

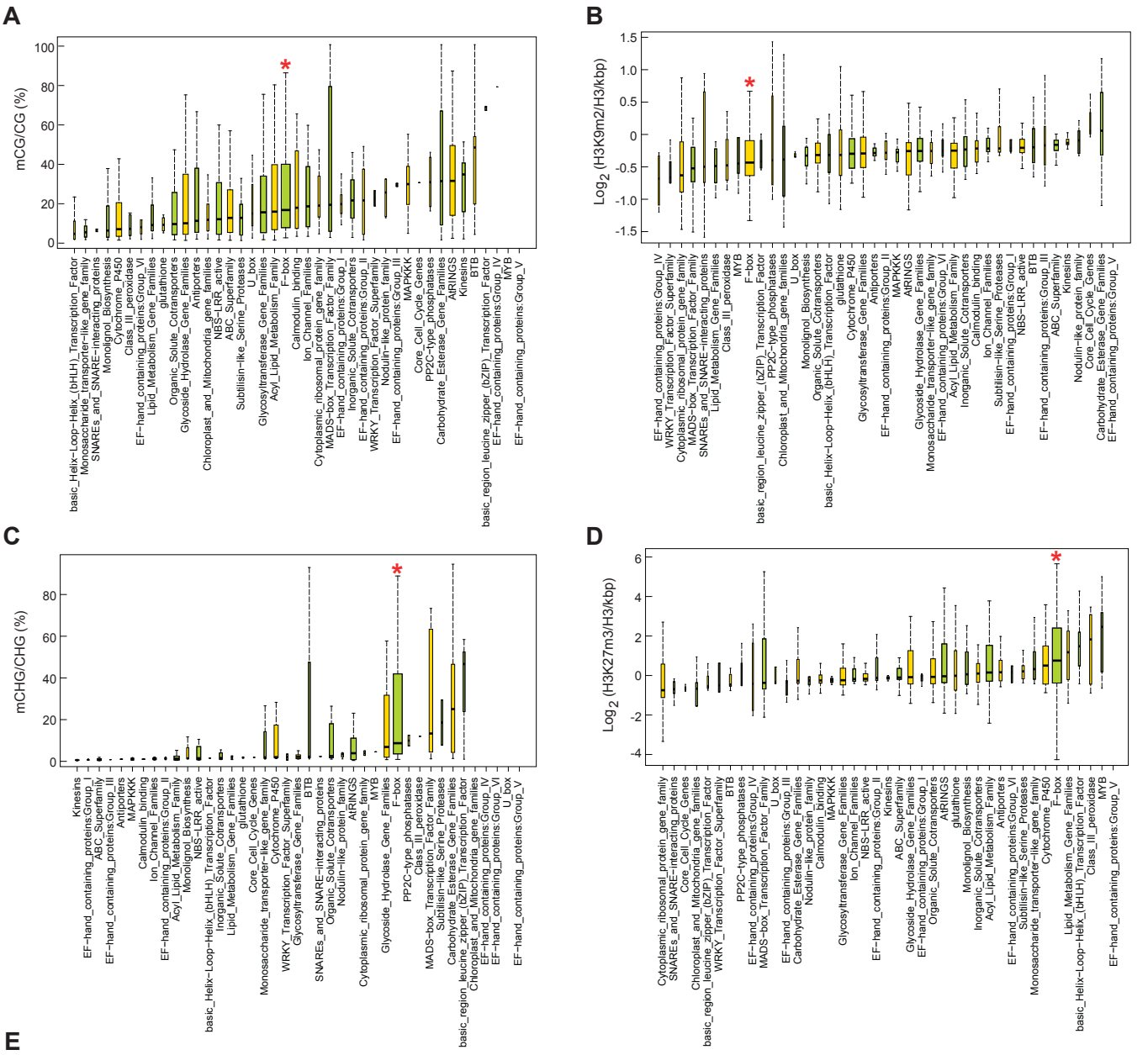


Fig. S13. Comparisons of epigenetic modifications across 41 gene families outside syntenic blocks in *Arabidopsis* wild-type Col-0. DNA methylation (A, C, and E) and histone methylation (B and D) were analyzed as described in Fig. 4D and Fig. 4F, respectively, except that the entire coding region of each gene was selected for the comparison. Families were sorted from low to high levels of each modification. Red asterisks identify the FBX gene superfamily. The gene list of each family was described in Schimtz *et al.* (*Nature* 2013 (495):193-198). Syntenic blocks shared between *A. thaliana* and *A. lyata* were retrieved from Lee *et al.* (*Nucleic Acids Res* 2013(41):D1152-1158). See Fig. 1 for description of boxplots; the width of each box represents the numerical size of each family compared.

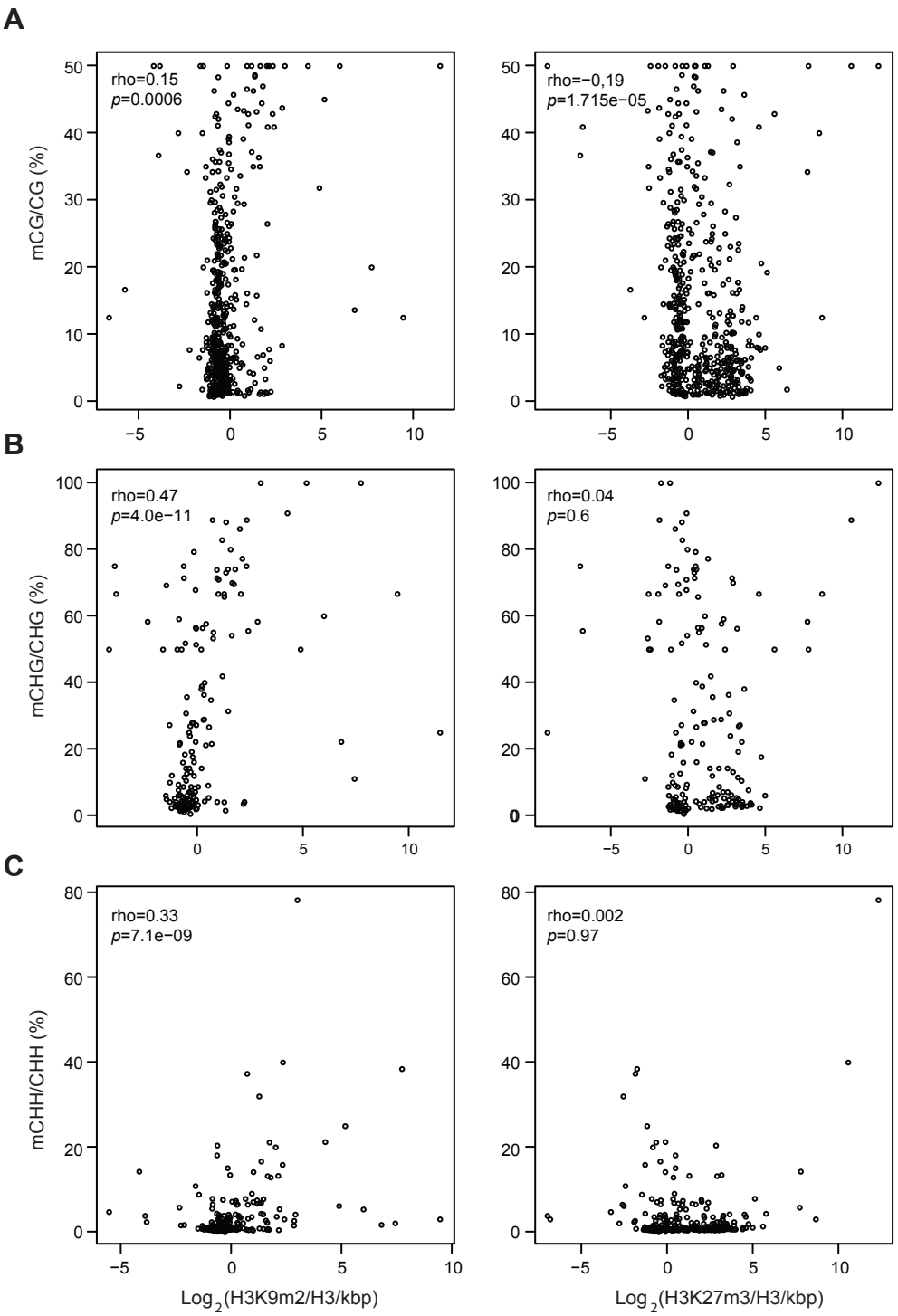


Fig. S14. Spearman rank correlation test between histone methylation (H3K9m2, left panels or H3K27m3, right panels) and the extent of coding sequence methylation at CG (A), CHG (B), and CHH (C) contexts. The ChIP-chip mapping data of H3K9m2 (GSM910290) and H3K27m3 (GSM910294) were retrieved from Deleris *et al*. (*PLoS Genet* (2012) 8: e1003062). The single base-resolution methylation profile were provided by Lister *et al*. (*Cell* (2008) 133: 523-536)

Table S1. Observed values of 58 genomic variants and mean expression in NASCArrays of *FBX* genes (see note at the bottom of the table)

Category	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
FBX_ID	At_F0001	At_F0016	At_F0039	At_F0058	At_F0064	At_F0068	At_F0115	At_F0153	At_F0164
GB_mC	-	-	-	bm	-	-	-	bm	-
UP_π	3.7E-03	3.8E-03	2.5E-03	3.5E-03	1.1E-02	1.4E-02	1.2E-02	2.1E-03	6.8E-03
CDS_π	3.9E-03	1.5E-03	3.0E-04	2.7E-03	1.3E-03	9.9E-03	1.4E-03	6.9E-04	5.1E-03
DN_π	4.1E-03	2.5E-03	2.5E-03	1.6E-03	3.0E-03	1.3E-02	1.9E-03	3.6E-03	9.4E-03
UP_K	4.8E-02	3.9E-02	5.4E-02	3.8E-02	1.5E-01	1.3E-01	1.5E-01	4.3E-02	7.0E-02
CDS_K	2.7E-02	1.2E-02	1.4E-02	3.3E-02	3.0E-02	5.5E-02	3.6E-02	1.8E-02	4.2E-02
DN_K	4.3E-02	3.9E-02	3.5E-02	3.4E-02	3.8E-02	1.2E-01	4.6E-02	4.7E-02	6.5E-02
CDS_CG	7.4E+00	7.3E+00	0.0E+00	4.1E+01	0.0E+00	0.0E+00	4.6E+00	2.6E+01	0.0E+00
CDS_CHG	0	0	0	2	0	0	0	0	0
CDS_CHH	0	0	0	0	1	0	0	0	0
UP1_CG	0	0	0	100	0	0	75	0	0
UP2_CG	0	0	0	50	0	0	83	0	0
UP3_CG	0	0	0	25	0	0	7	0	0
UP4_CG	0	0	0	50	0	0	8	0	0
UP5_CG	0	0	0	100	0	0	0	0	0
CR1_CG	0	0	0	100	0	0	0	45	0
CR2_CG	19	0	0	43	0	0	0	20	0
CR3_CG	18	0	0	41	0	0	0	26	0
CR4_CG	0	12	0	25	0	0	21	56	0
CR5_CG	0	42	0	40	0	0	20	0	0
DN1_CG	0	0	0	0	0	0	0	0	0
DN2_CG	0	0	0	0	0	0	0	0	0
DN3_CG	0	0	0	6	0	0	0	0	0
DN4_CG	0	0	0	0	0	0	0	0	0
DN5_CG	0	0	0	40	0	0	0	0	0
UP1_CHG	0	0	0	0	0	0	33	0	0
UP2_CHG	0	0	0	0	0	0	71	0	0
UP3_CHG	0	0	0	0	0	0	18	0	0
UP4_CHG	0	0	0	0	0	0	0	0	0
UP5_CHG	0	0	0	17	0	0	0	0	0
CR1_CHG	0	0	0	0	0	0	0	0	0
CR2_CHG	0	0	0	0	0	0	0	0	0
CR3_CHG	0	0	0	3	0	0	0	0	0
CR4_CHG	0	0	0	0	0	0	0	0	0
CR5_CHG	0	0	0	0	0	0	0	0	0
DN1_CHG	0	0	0	0	0	0	0	0	0
DN2_CHG	0	0	0	0	0	0	0	0	0
DN3_CHG	0	0	0	0	0	0	9	0	0
DN4_CHG	0	0	0	0	0	0	0	0	0
DN5_CHG	0	0	0	0	0	0	0	0	0
UP1_CHH	0	0	0	0	0	0	27	0	0
UP2_CHH	0	0	0	0	0	0	24	0	0
UP3_CHH	0	0	0	0	0	0	10	0	0
UP4_CHH	0	0	0	0	3	0	0	0	0
UP5_CHH	6	0	0	0	0	0	2	0	0
CR1_CHH	0	0	0	0	3	1	0	0	1
CR2_CHH	0	0	0	0	0	0	0	0	0
CR3_CHH	0	0	0	0	0	0	0	0	0
CR4_CHH	0	0	0	0	0	0	0	0	0
CR5_CHH	0	0	0	0	4	0	0	0	0
DN1_CHH	0	0	0	0	0	0	0	0	0
DN2_CHH	0	0	0	0	0	0	0	0	0
DN3_CHH	0	0	1	0	1	0	0	0	0
DN4_CHH	0	0	0	0	0	0	0	0	0
DN5_CHH	0	0	0	0	0	0	7	0	0
Max_rho	1.5E+00	1.1E-02	4.6E-01	6.4E-02	8.0E-02	1.9E-01	5.1E-01	4.6E-01	1.4E+00
Ks	5.4E-01	6.4E-01	5.4E-01	4.3E-01	6.5E-01	5.3E-01	7.7E-01	6.0E-01	2.8E-01
Taxa	18	16	12	12	9	10	12	16	7
α	4.4E-01	-2.7E+00	1.0E+00	-1.6E+00	1.1E-01	-2.1E-02	1.0E+00	1.0E+00	0.0E+00
Mean_Expression	2.4E+02	6.1E+01	1.0E+02	4.9E+01	6.4E+01	1.4E+02	1.7E+02	5.7E+01	1.2E+02

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0182	At_F0190	At_F0194	At_F0207	At_F0211	At_F0214	At_F0220	At_F0221	At_F0225	At_F0230
-	-	-	-	-	-	-	-	-	-
1.0E-02	2.6E-03	1.8E-03	2.4E-03	1.5E-02	9.0E-03	5.1E-03	8.5E-03	6.2E-03	9.4E-03
8.0E-03	1.0E-03	9.3E-04	5.2E-03	5.0E-03	6.4E-03	2.7E-03	2.0E-03	4.1E-03	1.0E-03
3.9E-03	1.6E-03	1.0E-03	5.8E-03	1.4E-02	6.1E-03	2.1E-03	2.9E-03	3.6E-03	2.3E-03
1.4E-01	6.6E-02	2.6E-02	4.4E-02	1.5E-01	1.7E-01	1.2E-01	1.6E-01	7.2E-02	1.1E-01
6.4E-02	3.2E-02	2.9E-02	3.9E-02	4.3E-02	5.3E-02	4.6E-02	3.4E-02	4.5E-02	2.6E-02
7.5E-02	4.4E-02	2.5E-02	3.7E-02	1.2E-01	6.5E-02	8.3E-02	8.2E-02	5.6E-02	4.9E-02
0.0E+00	1.8E+01	1.2E+01	0.0E+00	1.5E+01	1.7E+01	6.1E+00	1.2E+01	8.6E+00	8.2E+00
0	0	0	0	0	0	1	0	0	0
0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	60	0	71	0	0
0	0	6	0	0	50	0	0	0	0
0	7	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	15	0	23	25	0	0
0	15	4	0	20	6	0	18	5	0
0	58	40	0	13	56	0	0	53	21
0	60	60	0	63	57	0	0	40	63
0	0	0	0	0	60	0	0	0	0
0	17	0	0	0	0	0	0	0	0
0	0	31	0	0	19	0	0	0	0
0	50	0	0	0	0	0	0	0	0
0	0	0	0	0	60	0	0	0	67
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	17
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	4	0	0	0	2	0	0	0
0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	2	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0
1.5E-01	1.5E-01	1.2E-01	0.0E+00	4.0E-01	8.6E-01	8.9E-01	2.5E-01	1.9E-01	1.6E+00
9.4E-01	4.3E-01	2.1E-01	8.9E-02	6.4E-01	4.5E-01	1.3E-01	1.4E-01	4.4E-01	5.3E-01
14	16	5	14	17	13	15	15	7	8
-1.6E-01	1.0E+00	-5.8E-01	3.0E-01	8.8E-01	-1.3E-01	8.8E-01	-3.0E-01	5.9E-01	2.6E-02
4.2E+01	5.4E+01	1.0E+02	4.2E+01	1.7E+02	1.0E+02	7.4E+01	7.4E+01	6.8E+01	1.1E+02

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0234	At_F0264	At_F0269	At_F0283	At_F0302	At_F0304	At_F0313	At_F0318	At_F0323	At_F0338
-	-	-	-	-	-	bm	-	-	bm
8.6E-04	9.3E-03	3.3E-03	1.3E-02	3.1E-03	4.4E-03	2.0E-03	5.5E-03	6.9E-03	2.0E-03
1.2E-04	1.3E-03	3.2E-03	1.8E-02	7.7E-03	1.1E-03	4.1E-03	3.0E-03	3.2E-03	9.6E-04
2.5E-03	2.3E-03	1.9E-03	7.6E-03	9.1E-03	6.5E-03	3.7E-03	6.7E-03	3.4E-03	9.5E-04
3.1E-02	1.5E-01	5.5E-02	1.1E-01	5.5E-02	5.8E-02	4.3E-02	6.2E-02	5.4E-02	4.3E-02
1.8E-02	3.4E-02	3.7E-02	7.7E-02	5.7E-02	2.5E-02	3.8E-02	2.1E-02	2.8E-02	1.6E-02
4.8E-02	5.8E-02	2.9E-02	7.0E-02	6.8E-02	1.0E-01	5.7E-02	4.3E-02	4.4E-02	2.1E-02
0.0E+00	9.8E-01	0.0E+00	1.6E+01	1.8E+01	6.6E+00	2.7E+01	7.5E+00	8.8E+00	3.1E+01
0	0	0	0	0	0	0	0	0	0
0	0	0	1	1	0	0	0	1	0
0	0	0	0	67	0	0	0	0	50
0	40	0	8	46	0	0	0	0	33
0	5	0	38	29	23	0	0	0	8
0	0	0	8	8	50	0	0	0	78
0	0	0	90	100	50	0	0	0	50
0	0	0	0	0	0	0	0	0	80
0	0	0	0	3	0	0	19	10	33
0	4	0	11	32	0	22	7	9	23
0	0	0	32	32	54	35	0	8	10
0	0	0	91	70	25	36	24	21	50
0	0	0	0	60	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	21	27	0	0	24	0
0	0	0	0	44	29	0	0	0	0
0	0	0	0	100	100	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0
0	0	0	0	0	20	0	0	0	0
0	0	0	0	0	50	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0
0	3	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	8	0
0	0	0	2	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	18	0	0	0	0
8.2E-01	1.2E-01	0.0E+00	2.6E-01	1.7E-01	5.5E-01	1.9E-01	5.2E-01	4.0E-01	1.2E-01
3.1E-01	5.1E-01	4.5E-01	3.2E-01	6.3E-01	3.6E-01	4.4E-01	4.2E-01	3.9E-01	2.8E-01
15	16	9	15	17	7	17	18	16	16
1.0E+00	-1.9E+00	1.0E+00	5.1E-01	-1.3E+00	-1.7E+00	6.8E-01	2.8E-01	-7.4E-02	-4.0E-01
1.0E+02	1.1E+02	3.2E+01	1.3E+02	1.7E+01	1.8E+02	1.3E+02	1.5E+02	5.0E+01	5.5E+01

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0354	At_F0357	At_F0360	At_F0362	At_F0364	At_F0365	At_F0409	At_F0416	At_F0418	At_F0429
-	bm	-	-	-	-	-	-	bm	-
3.3E-03	8.9E-04	7.8E-03	1.1E-03	3.4E-03	4.7E-03	1.9E-03	4.1E-03	3.5E-03	1.8E-03
3.0E-03	9.2E-04	7.2E-03	1.2E-03	2.2E-03	2.1E-03	1.3E-03	2.6E-03	1.5E-03	3.6E-03
1.8E-03	7.4E-04	2.6E-03	3.4E-04	5.9E-03	5.5E-03	1.2E-03	3.0E-03	2.1E-03	3.6E-03
7.4E-02	2.8E-02	9.4E-02	3.2E-02	3.9E-02	6.0E-02	4.2E-02	5.8E-02	4.9E-02	4.2E-02
5.1E-02	1.7E-02	5.3E-02	2.4E-02	1.8E-02	2.2E-02	2.7E-02	4.6E-02	2.3E-02	4.3E-02
2.3E-02	2.5E-02	8.7E-02	2.3E-02	3.9E-02	5.4E-02	4.2E-02	4.0E-02	3.5E-02	6.4E-02
0.0E+00	2.0E+01	0.0E+00	3.0E+01	6.1E+00	0.0E+00	4.9E+00	1.4E+01	2.8E+01	1.8E+01
0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	75	0
0	0	0	0	0	0	0	0	45	0
0	0	0	0	0	0	0	0	13	0
0	0	0	0	7	0	0	0	37	0
0	0	0	0	0	0	0	0	63	0
0	0	0	0	0	0	0	0	0	0
0	0	0	38	6	0	0	0	22	0
0	6	0	4	0	0	0	6	21	28
0	52	0	35	7	0	0	29	28	23
0	63	0	50	25	0	56	50	60	43
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	5	0
0	55	0	0	0	0	25	0	0	0
80	75	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	17	0	0	0	0
0	0	6	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	1	0	0	0
0	0	6	0	0	0	0	0	0	0
6.1E-02	9.8E-02	3.4E-01	6.7E-02	6.9E-02	7.5E-02	6.7E-02	2.2E-01	6.7E-02	2.0E-01
2.9E-01	5.8E-01	5.5E-01	4.8E-01	5.2E-01	1.6E-01	6.2E-01	4.4E-02	4.8E-01	5.2E-01
17	16	16	17	10	17	15	18	18	17
8.5E-01	-6.7E-01	7.0E-01	-1.2E-01	-4.6E-01	-3.1E+00	-2.4E+00	9.0E-01	3.0E-01	-1.7E-01
1.8E+02	3.8E+01	6.6E+01	1.9E+02	8.1E+01	3.1E+00	1.0E+02	3.7E+02	1.3E+02	5.1E+01

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0442	At_F0445	At_F0446	At_F0451	At_F0466	At_F0469	At_F0474	At_F0477	At_F0482	At_F0485
-	-	-	bm	bm	-	-	-	bm	-
1.1E-03	9.0E-04	1.3E-02	1.8E-03	2.6E-03	4.3E-03	1.2E-02	2.9E-03	2.6E-03	1.2E-03
1.3E-03	5.9E-04	1.1E-02	4.9E-04	1.5E-03	3.7E-03	1.5E-03	2.1E-03	2.6E-03	8.2E-04
2.9E-03	1.1E-03	6.3E-03	2.0E-03	5.7E-03	3.0E-03	3.1E-03	2.5E-03	6.4E-03	1.8E-03
4.1E-02	3.6E-02	1.1E-01	4.4E-02	5.4E-02	5.4E-02	1.6E-01	5.7E-02	6.4E-02	4.3E-02
2.8E-02	2.3E-02	7.6E-02	1.6E-02	3.2E-02	4.4E-02	1.8E-02	4.3E-02	2.9E-02	2.1E-02
5.4E-02	6.3E-02	1.1E-01	3.8E-02	6.3E-02	6.4E-02	3.4E-02	8.1E-02	7.1E-02	4.4E-02
9.1E+00	9.0E+00	1.8E+01	2.5E+01	3.6E+01	5.6E+00	2.5E+01	0.0E+00	3.4E+01	3.0E+01
1	0	0	0	0	0	0	0	0	2
0	0	1	0	1	0	0	0	0	1
0	0	14	0	100	0	0	0	0	0
0	0	18	20	39	0	7	0	0	0
0	0	21	27	35	0	28	0	0	0
0	0	18	56	26	0	0	0	0	0
0	0	40	100	0	0	0	0	0	0
0	0	17	21	100	0	0	0	88	0
0	0	17	32	48	0	23	0	20	0
0	0	16	22	32	0	22	0	26	24
14	35	25	33	36	33	42	0	39	46
50	0	40	21	0	10	25	0	45	69
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	43	0
0	0	0	0	0	0	0	0	14	0
0	7	0	0	0	0	0	40	0	0
0	0	0	0	0	0	50	0	0	0
0	0	0	0	0	0	33	0	0	0
0	0	0	0	0	0	17	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5
0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	7	3	23	0	0	0
0	0	0	0	0	0	23	0	0	0
0	9	2	0	0	0	3	0	0	0
0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0
0	0	0	0	3	0	1	0	0	0
0	0	1	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	4	0	0	0	0
1	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3	0
3.5E-01	2.6E-01	1.8E+00	8.4E-02	9.7E-02	3.0E-01	5.3E-02	6.9E-02	3.9E-02	1.8E-01
6.4E-01	7.9E-01	6.0E-01	3.0E-01	7.7E-01	5.6E-01	5.1E-01	5.2E-01	8.7E-01	6.1E-01
18	17	11	16	16	16	15	14	15	16
-1.1E+00	-3.3E+01	4.5E-01	-2.2E+00	-3.5E+01	3.8E-01	1.0E+00	-1.8E+01	-2.5E+00	-2.6E+00
2.9E+02	7.3E+01	3.3E+01	7.9E+01	9.2E+01	1.0E+02	7.9E+01	1.1E+02	2.9E+02	2.2E+02

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0500	At_F0505	At_F0508	At_F0509	At_F0510	At_F0514	At_F0516	At_F0529	At_F0534	At_F0538
-	-	bm	-	-	-	-	-	-	bm
4.7E-03	2.3E-03	2.5E-03	2.0E-03	5.6E-03	3.4E-03	2.3E-03	7.4E-03	3.5E-03	2.7E-03
7.9E-03	9.1E-04	6.8E-04	2.1E-03	3.6E-03	3.8E-03	8.9E-04	8.7E-03	1.1E-03	1.5E-04
5.4E-03	1.7E-03	3.7E-03	1.9E-03	3.2E-03	1.3E-02	1.3E-03	1.9E-02	1.8E-03	4.1E-03
5.3E-02	5.9E-02	5.0E-02	3.4E-02	1.1E-01	5.3E-02	5.8E-02	6.5E-02	4.4E-02	5.8E-02
4.8E-02	2.1E-02	2.4E-02	2.1E-02	3.8E-02	4.1E-02	4.2E-02	3.9E-02	3.2E-02	1.8E-02
5.2E-02	4.9E-02	5.5E-02	3.5E-02	4.9E-02	1.3E-01	6.7E-02	7.7E-02	3.3E-02	5.4E-02
0.0E+00	2.5E+01	2.6E+01	4.2E+01	1.8E+01	0.0E+00	9.6E+00	1.2E+01	1.9E+01	4.0E+01
0	0	0	0	0	0	0	2	0	0
0	0	1	2	0	0	0	0	0	1
0	0	0	0	50	0	0	0	0	0
0	0	0	0	0	0	0	18	0	0
0	0	0	0	17	0	0	10	0	0
0	0	0	0	42	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	50	0	0	25	0	0	100
0	0	0	48	0	0	0	17	8	62
0	5	13	39	0	0	4	11	2	17
0	44	11	67	5	0	13	36	0	54
0	86	57	50	100	0	30	50	72	20
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	19	0	7
0	0	0	0	0	0	0	21	0	0
0	0	0	0	0	0	0	12	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	8	0	0	0	0	0
0	0	0	0	25	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	9	0	0	0	0	0
0	0	0	0	10	0	0	0	0	0
0	5	0	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	2
0	0	2	4	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	2	0	0	2	0	0	0	0
0	0	0	0	0	15	0	0	0	0
0	0	0	0	0	0	0	1	2	0
0	0	0	3	3	0	0	0	0	0
2.7E+00	9.4E-02	3.3E-01	8.7E-02	6.9E-02	1.1E-01	1.0E+00	1.2E+00	1.0E-01	1.5E-01
7.0E-01	5.0E-01	2.7E-01	6.1E-01	4.2E-01	3.2E-01	4.2E-01	5.1E-01	4.4E-01	5.2E-01
15	16	15	15	18	15	15	15	10	14
-7.2E-01	1.0E+00	-6.1E-01	1.0E+00	-1.6E+00	-1.3E+00	1.0E+00	4.0E-01	-1.6E+00	1.0E+00
4.3E+02	2.5E+02	1.4E+02	5.6E+01	2.1E+02	5.8E+01	1.2E+02	1.2E+02	5.8E+01	7.4E+01

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0541	At_F0542	At_F0544	At_F0548	At_F0553	At_F0556	At_F0557	At_F0558	At_F0563	At_F0564
-	bm	-	bm	-	bm	bm	-	-	-
7.0E-03	4.1E-03	4.2E-03	2.9E-03	1.0E-02	5.4E-03	2.4E-03	2.0E-03	2.7E-03	3.4E-03
5.1E-03	4.6E-03	4.4E-03	3.6E-04	2.1E-03	5.1E-04	1.1E-03	1.1E-03	2.1E-03	1.4E-03
7.2E-03	3.5E-03	3.4E-03	1.8E-03	1.5E-03	1.2E-03	1.5E-03	3.1E-03	1.8E-03	1.7E-03
1.0E-01	4.9E-02	4.8E-02	3.6E-02	1.4E-01	6.7E-02	3.9E-02	5.5E-02	4.8E-02	4.4E-02
4.6E-02	3.6E-02	4.1E-02	1.9E-02	3.2E-02	2.0E-02	2.5E-02	2.9E-02	2.2E-02	4.4E-02
7.2E-02	6.3E-02	4.7E-02	3.6E-02	3.2E-02	3.5E-02	4.7E-02	7.6E-02	3.3E-02	3.6E-02
1.4E+01	3.2E+01	1.2E+01	3.6E+01	2.6E+00	2.2E+01	2.1E+01	6.5E+00	3.8E+00	0.0E+00
0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0
0	10	0	0	0	0	0	0	0	0
17	0	0	0	0	0	39	0	0	0
0	0	0	0	20	0	18	0	0	0
0	0	0	0	0	0	29	0	0	0
0	0	0	0	0	0	15	0	0	0
0	0	0	64	0	0	0	0	0	0
33	14	0	6	0	12	32	0	0	0
0	29	0	16	0	10	17	35	0	0
15	39	0	53	20	44	27	0	12	0
67	62	69	58	0	69	27	0	44	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	17	0	0	0	0	25
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	6
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	2	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	1	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1.2E-01	2.2E+00	7.3E-01	9.7E-02	1.1E-01	9.5E-02	1.2E-01	1.1E-01	8.0E-02	8.5E-02
7.4E-01	5.2E-01	6.6E-01	4.5E-01	6.6E-01	1.2E-01	7.4E-01	4.7E-01	5.3E-01	4.2E-01
16	15	11	16	16	10	16	15	14	14
5.9E-01	7.5E-01	3.8E-01	6.4E-01	2.4E-01	-1.7E+00	2.3E-01	1.0E+00	-2.5E-01	-2.2E+00
6.4E+01	7.1E+01	6.1E+01	1.7E+02	1.6E+02	5.3E+01	7.3E+01	1.1E+02	9.5E+01	3.4E+02

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0569	At_F0570	At_F0575	At_F0583	At_F0586	At_F0588	At_F0589	At_F0590	At_F0609	At_F0615
-	-	bm	-	bm	-	-	bm	bm	bm
1.2E-02	7.9E-03	2.4E-03	3.0E-03	2.0E-03	1.2E-03	2.7E-03	2.3E-03	8.2E-03	2.4E-03
2.6E-03	8.6E-04	6.4E-04	2.1E-03	3.5E-04	6.9E-04	1.2E-03	1.4E-03	7.6E-04	2.2E-03
5.0E-03	2.0E-03	2.0E-03	2.1E-03	2.4E-03	1.7E-03	3.4E-03	1.1E-03	9.9E-04	3.0E-03
6.7E-02	1.2E-01	3.7E-02	5.3E-02	4.5E-02	4.2E-02	3.1E-02	4.6E-02	1.3E-01	5.9E-02
3.2E-02	2.3E-02	2.5E-02	3.3E-02	1.5E-02	2.4E-02	2.6E-02	2.7E-02	2.2E-02	4.3E-02
6.8E-02	4.2E-02	4.1E-02	3.5E-02	3.7E-02	3.8E-02	5.1E-02	3.6E-02	3.8E-02	4.7E-02
0.0E+00	6.7E+00	3.1E+01	0.0E+00	2.1E+01	0.0E+00	1.8E+01	3.2E+01	2.1E+01	2.4E+01
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0
0	20	0	0	0	0	0	78	50	0
0	0	0	0	0	0	0	9	50	0
0	0	0	0	0	0	0	19	0	50
0	0	0	0	0	0	9	40	0	50
0	0	0	0	0	0	0	67	0	33
0	0	17	0	0	0	10	0	0	56
0	0	35	0	0	0	15	44	38	64
0	0	36	0	5	0	30	13	24	4
0	16	24	0	39	0	21	32	0	26
0	44	33	0	71	0	0	73	33	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	60	0	0	0	0	0	0	43	0
0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	33	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	13	0	0	0	0	0	0	13	0
0	0	0	0	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	8	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	2	0	0	0
0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	0	0	0
4.8E-01	6.6E-02	2.5E-01	8.2E-02	8.2E-02	2.7E-01	4.5E-02	8.4E-02	7.7E-02	4.9E-01
5.2E-01	6.1E-01	5.8E-01	4.3E-01	4.9E-01	6.4E-01	4.9E-01	6.0E-01	4.4E-01	5.2E-01
14	17	17	8	17	8	16	9	17	15
3.9E-01	5.3E-01	1.0E+00	6.1E-01	2.6E-01	-3.2E+00	1.0E+00	1.9E-02	1.0E+00	-4.0E-01
1.6E+02	1.2E+02	1.5E+02	1.4E+02	1.6E+02	2.2E+01	1.2E+02	9.9E+01	9.3E+01	3.4E+01

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0623	At_F0626	At_F0628	At_F0629	At_F0634	At_F0641	At_F0647	At_F0649	At_F0653	At_F0662
-	bm	bm	-	-	-	-	-	-	bm
1.9E-03	1.6E-03	2.3E-03	1.0E-02	3.1E-03	1.3E-03	1.5E-03	1.5E-03	4.9E-03	6.3E-03
1.1E-03	1.6E-03	7.0E-04	7.3E-03	4.7E-03	1.2E-03	3.8E-04	7.6E-04	2.6E-03	1.8E-03
1.8E-03	1.7E-03	2.4E-03	1.3E-02	1.4E-02	2.9E-03	1.9E-03	8.4E-04	6.3E-03	6.9E-03
3.6E-02	5.9E-02	4.5E-02	1.4E-01	9.8E-02	5.9E-02	6.4E-02	3.2E-02	6.1E-02	5.8E-02
4.2E-02	3.1E-02	2.4E-02	6.9E-02	9.3E-02	2.3E-02	3.4E-02	2.1E-02	3.0E-02	1.6E-02
7.2E-02	5.1E-02	5.0E-02	9.1E-02	1.6E-01	5.1E-02	2.6E-02	2.1E-02	8.0E-02	4.6E-02
3.3E+00	2.4E+01	2.3E+01	7.3E+00	0.0E+00	1.4E+01	4.7E+00	1.9E+01	1.6E+01	2.2E+01
0	0	0	0	0	0	0	0	0	0
1	1	0	1	0	0	1	1	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	33	0	0
0	0	0	0	0	0	0	56	0	0
0	0	0	0	0	89	0	100	0	0
0	0	0	0	0	0	0	0	0	0
0	14	0	0	0	0	0	5	0	0
0	29	2	0	0	31	14	47	0	15
25	16	36	8	0	7	0	29	44	25
0	24	83	31	0	0	0	0	54	85
0	0	0	0	0	0	0	0	0	100
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	38	0	0	0
0	0	0	0	0	0	40	0	0	0
0	0	0	0	0	0	50	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
2	2	0	0	0	0	3	2	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	1	0	0
0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	1	0	0	0	0
2	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
9.1E-02	8.9E-02	9.0E-02	4.2E-01	3.6E-01	9.3E-02	2.6E-01	8.9E-02	2.3E-01	2.2E-02
3.7E-01	5.0E-01	3.9E-01	6.2E-01	5.8E-01	5.4E-01	5.2E-01	4.7E-01	6.2E-01	4.2E-01
10	17	17	15	9	13	13	16	14	14
3.5E-01	1.0E+00	-1.2E+00	5.2E-01	-1.5E-01	4.0E-01	1.0E+00	-5.6E-01	7.8E-01	8.2E-01
5.8E+01	1.1E+02	1.5E+02	1.2E+02	3.5E+01	1.7E+02	4.7E+01	6.3E+01	3.6E+02	2.3E+02

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0664	At_F0665	At_F0667	At_F0669	At_F0676	At_F0678	At_F0681	At_F0687	At_F0695	At_F0700
-	-	-	-	-	bm	-	-	-	bm
1.8E-03	3.4E-03	2.5E-03	3.5E-03	3.1E-03	3.6E-03	3.0E-03	6.4E-03	5.7E-03	1.5E-03
2.1E-03	2.3E-03	3.6E-03	3.2E-03	4.5E-03	1.5E-03	3.2E-03	4.4E-03	3.1E-03	1.2E-03
2.2E-03	2.8E-03	3.7E-03	9.6E-04	3.3E-03	6.4E-03	1.4E-02	6.2E-03	4.6E-03	8.9E-04
4.8E-02	6.7E-02	3.9E-02	4.4E-02	6.7E-02	6.6E-02	6.9E-02	8.4E-02	9.9E-02	2.6E-02
5.0E-02	3.1E-02	3.5E-02	3.2E-02	3.1E-02	3.0E-02	5.9E-02	5.3E-02	5.9E-02	2.6E-02
3.2E-02	6.9E-02	4.8E-02	3.9E-02	3.5E-02	8.7E-02	1.1E-01	6.8E-02	7.3E-02	2.3E-02
6.8E+00	1.5E+01	0.0E+00	1.7E+00	5.7E+00	2.9E+01	1.6E+00	0.0E+00	0.0E+00	3.3E+01
0	2	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	71
0	11	0	0	0	12	0	0	0	33
0	12	0	0	0	10	5	0	0	56
38	38	0	0	15	50	0	0	0	0
0	60	0	17	44	91	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	25
0	0	0	0	0	0	0	0	0	31
0	0	0	0	10	0	78	0	0	0
0	0	0	0	100	100	100	0	0	33
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	5	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	17
0	4	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0
0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	25	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	70	0	0	0
0	0	0	0	0	50	0	20	0	0
0	0	0	0	0	0	0	0	3	0
2	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	4	3	0	0
0	0	0	0	0	36	0	0	0	3
4.5E-01	9.6E-02	2.3E-01	4.6E-02	5.7E-02	8.8E-02	1.2E-01	9.7E-02	9.9E-01	1.7E+00
4.7E-01	2.6E-01	5.7E-01	3.1E-01	5.4E-01	4.4E-01	7.1E-01	6.7E-01	2.7E-01	5.1E-01
17	9	15	14	15	15	15	16	13	10
-3.6E-01	0.0E+00	-4.1E-01	4.1E-01	-2.4E-01	5.9E-01	3.0E-01	-1.9E+00	0.0E+00	6.5E-01
2.1E+02	8.1E+01	1.9E+01	6.0E+01	7.8E+01	1.1E+02	3.2E+01	1.1E+02	5.5E+01	6.7E+01

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0703	At_F0705	At_F0709	At_F0710	At_F0065	At_F0202	At_F0306	At_F0344	At_F0388	At_F0397
-	bm	-	-	-	bm	-	-	-	-
1.6E-03	3.9E-03	4.4E-03	1.2E-02	3.5E-03	2.2E-03	2.4E-03	5.7E-03	1.6E-03	4.6E-03
1.3E-03	1.8E-03	3.4E-03	6.4E-03	6.0E-04	5.8E-04	1.9E-03	5.1E-03	3.4E-03	7.8E-04
6.7E-03	2.0E-03	2.4E-03	3.1E-03	5.8E-03	7.3E-03	1.6E-03	4.7E-03	6.3E-03	6.2E-03
3.1E-02	5.1E-02	5.8E-02	9.2E-02	6.2E-02	5.3E-02	3.9E-02	6.1E-02	4.3E-02	1.0E-01
2.7E-02	1.7E-02	3.5E-02	5.0E-02	2.6E-02	2.5E-02	3.3E-02	4.7E-02	6.0E-02	2.5E-02
5.9E-02	3.6E-02	5.4E-02	5.4E-02	6.6E-02	5.9E-02	2.6E-02	1.1E-01	5.5E-02	1.1E-01
7.8E-01	2.1E+01	1.2E+01	5.1E+00	1.6E+01	2.6E+01	0.0E+00	6.6E+00	1.5E+01	5.7E+00
0	0	0	0	0	0	3	0	0	0
1	0	0	0	0	0	1	0	1	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	19	0	0	0	0	0
0	0	0	0	20	0	0	0	0	0
0	0	0	0	100	0	0	0	91	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	20	19	0	0	0	0
0	21	0	0	29	33	0	0	32	14
0	21	10	0	7	47	0	7	44	9
8	76	50	80	0	13	0	44	0	50
0	0	0	0	0	0	0	20	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	23	0	0	0	0	40	25	0	0
0	100	0	78	0	0	78	60	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0
0	0	0	0	0	0	0	0	0	0
0	20	0	0	0	0	0	0	0	10
0	11	0	0	0	0	0	0	0	0
0	6	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	33	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	2	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	8	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	7	0	4
0	0	5	0	0	0	0	36	0	0
9.9E-02	4.6E-02	7.8E-02	1.7E-01	8.8E-02	1.4E-01	9.9E-02	9.1E-02	2.7E+00	1.1E-01
5.8E-01	6.2E-01	7.1E-01	5.1E-01	4.5E-01	3.2E-01	5.0E-01	2.7E-01	4.2E-01	4.2E-01
10	14	17	17	12	16	11	12	12	10
-5.0E-01	4.1E-01	-3.6E-01	-6.7E-01	-3.6E+00	1.0E+00	1.1E-01	1.1E-01	-5.2E+00	1.0E+00
3.1E+01	1.1E+02	3.2E+01	1.6E+02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High	Common_High
At_F0426	At_F0443	At_F0460	At_F0506	At_F0581	At_F0591	At_F0602	At_F0604	At_F0657	Atpeg0151
bm	-	bm	-	-	-	bm	-	-	NA
8.6E-04	9.7E-03	3.7E-03	5.5E-03	3.7E-03	1.4E-02	3.5E-03	1.8E-03	2.2E-03	2.9E-03
1.2E-03	6.6E-03	2.8E-03	1.3E-03	3.6E-03	3.6E-03	4.2E-03	3.0E-03	1.8E-03	3.1E-03
2.3E-03	1.3E-02	2.1E-03	3.1E-03	9.9E-03	3.2E-03	2.5E-03	5.3E-03	3.6E-03	9.6E-03
3.3E-02	2.0E-01	5.6E-02	5.3E-02	2.9E-02	1.5E-01	4.9E-02	2.6E-02	4.7E-02	4.5E-02
3.1E-02	6.4E-02	2.7E-02	3.3E-02	2.6E-02	5.9E-02	4.8E-02	2.4E-02	4.7E-02	3.5E-02
3.6E-02	1.1E-01	2.9E-02	4.5E-02	6.9E-02	8.4E-02	8.0E-02	5.5E-02	5.5E-02	7.1E-02
2.4E+01	1.5E+01	2.1E+01	9.0E+00	1.1E+01	8.9E+00	2.6E+01	1.5E+01	1.2E+00	0.0E+00
0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	1	0	0	1	0
100	0	0	0	40	0	0	0	0	0
0	40	0	0	11	0	0	0	0	0
0	14	0	0	0	4	0	0	0	0
0	50	0	0	0	36	0	0	0	0
0	88	0	0	0	71	0	0	0	0
0	0	0	0	0	0	0	0	0	0
50	0	33	0	9	0	31	0	0	0
32	17	20	0	21	0	48	24	0	0
0	36	21	31	24	26	27	42	8	0
30	91	42	44	13	75	17	50	0	0
50	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	13	0	0	0	50	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	8	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	5
2	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	2	0	0	0	0
0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0
0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3	4
8.4E-02	9.7E-02	4.3E-02	9.2E-02	9.8E-01	7.8E-01	8.2E-01	2.6E-02	1.2E+00	1.2E-01
1.9E-01	7.1E-01	4.3E-01	3.1E-01	2.7E-01	6.9E-01	5.0E-01	3.5E-01	2.5E-01	7.3E-01
12	17	16	12	11	17	17	13	13	12
-7.1E-01	-3.9E-01	-5.9E-02	-2.7E-01	-1.3E+00	-1.3E+00	1.0E+00	2.6E-01	-4.4E-01	-2.4E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low
At_F0236	At_F0402	At_F0468	At_F0490	At_F0585	At_F0276	At_F0328	At_F0417	At_F0559	At_F0656	At_F0102
-	-	-	-	-	-	-	-	-	-	-
1.5E-03	1.8E-03	2.2E-03	1.2E-02	5.2E-03	9.7E-03	3.2E-03	3.0E-03	6.4E-03	1.4E-02	2.3E-03
1.4E-03	3.1E-03	1.3E-03	1.5E-02	4.9E-03	8.6E-03	2.4E-03	2.1E-03	1.4E-03	6.3E-03	8.2E-03
4.7E-03	3.8E-03	1.5E-03	6.2E-03	1.6E-03	4.9E-03	2.8E-03	1.5E-03	1.8E-03	5.1E-03	9.1E-03
3.6E-02	3.7E-02	4.1E-02	1.2E-01	6.6E-02	6.2E-02	9.1E-02	4.5E-02	1.4E-01	1.4E-01	4.7E-02
3.6E-02	4.1E-02	3.9E-02	1.3E-01	4.0E-02	8.9E-02	7.1E-02	3.7E-02	5.3E-02	5.2E-02	4.4E-02
1.1E-01	4.8E-02	3.4E-02	6.5E-02	2.9E-02	7.1E-02	8.0E-02	3.7E-02	5.2E-02	5.8E-02	6.3E-02
3.8E+00	0.0E+00	0.0E+00	0.0E+00	1.7E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.5E+01
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	14	0	0	0	0	0	0	67	0	0
0	0	0	0	0	0	0	0	8	0	0
0	0	0	0	0	0	0	0	0	56	0
0	0	0	0	0	0	0	0	0	100	44
0	0	0	0	0	0	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	8	0	0	0	0	0	0
0	0	0	0	38	0	0	0	0	0	40
50	0	0	0	92	0	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	25	0
0	0	0	0	0	0	0	0	0	50	0
50	0	57	0	0	0	0	0	0	0	0
100	0	33	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	100	0	0
0	0	0	0	0	0	0	0	7	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	17	0
0	0	0	0	0	0	0	9	0	50	0
40	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	24	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	33	0
0	0	0	0	0	0	0	1	0	6	0
25	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0
2.2E-01	1.1E-01	8.2E-02	1.2E+00	2.2E-01	2.5E+00	0.0E+00	9.1E-02	1.0E+00	6.5E-02	6.0E-02
1.2E-01	4.0E-01	5.9E-01	2.7E-01	5.6E-01	1.6E-01	2.0E-01	2.4E-01	8.6E-01	4.0E-01	5.3E-01
12	13	15	12	15	9	12	8	14	14	11
4.4E-01	3.6E-01	-2.8E+00	5.1E-01	7.4E-01	-4.6E-01	-9.9E-01	1.1E-01	7.9E-01	-1.6E-01	2.0E-01
1.3E+01	8.7E+01	2.2E+02	1.5E+01	1.2E+02	5.8E+01	1.4E+01	6.0E+00	4.7E+01	3.8E+02	5.6E+01

Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low
At_F0108	At_F0437	At_F0440	At_F0613	At_F0666	At_F0684	At_F0706	At_F0607	At_F0114	At_F0218	At_F0267
-	-	-	-	-	-	-	-	-	-	-
1.6E-03	6.5E-03	2.9E-03	2.0E-03	3.7E-03	4.2E-03	2.0E-02	8.7E-03	6.7E-03	2.4E-03	2.9E-03
7.2E-04	4.7E-03	6.0E-03	1.2E-03	6.5E-03	9.9E-03	1.0E-02	1.1E-02	2.3E-03	2.0E-03	3.3E-03
2.9E-03	9.7E-03	5.3E-03	1.0E-02	5.9E-03	3.2E-03	1.4E-02	1.1E-02	8.7E-03	5.7E-03	8.7E-04
4.4E-02	5.6E-02	5.1E-02	3.4E-02	5.6E-02	5.9E-02	1.6E-01	1.0E-01	8.2E-02	7.6E-02	6.2E-02
4.3E-02	4.0E-02	8.5E-02	2.4E-02	4.2E-02	5.1E-02	1.2E-01	1.2E-01	5.1E-02	7.5E-02	4.9E-02
7.0E-02	4.7E-02	7.6E-02	5.5E-02	5.1E-02	4.4E-02	1.4E-01	1.0E-01	7.0E-02	8.8E-02	3.9E-02
9.6E+00	1.5E+01	6.3E+00	4.9E+00	7.4E+00	2.5E+01	8.2E+00	2.8E+01	1.2E+00	0.0E+00	0.0E+00
0	0	0	0	0	0	3	28	0	0	0
0	0	0	0	0	1	2	0	0	0	0
0	0	0	0	0	0	0	100	0	0	0
0	0	0	10	0	0	0	42	0	0	0
0	0	0	0	0	0	0	32	0	0	0
0	0	0	0	0	0	0	47	0	0	0
0	0	0	0	0	0	0	14	33	0	0
0	50	0	0	0	0	0	0	0	0	0
0	18	0	13	0	38	28	32	0	0	0
7	8	0	8	5	5	19	23	5	0	0
26	0	26	0	0	44	0	43	0	0	0
11	0	22	0	78	67	0	46	0	0	0
0	0	0	0	50	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	11	0	0	0	0	0	0	0	0
0	0	50	0	0	0	0	0	0	0	50
0	0	0	0	0	0	0	50	0	0	0
0	0	0	0	0	0	0	31	0	0	0
0	0	0	0	0	0	0	16	0	0	0
0	0	0	0	0	0	0	25	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0
0	0	0	0	0	0	0	14	0	0	0
0	0	0	0	0	0	0	23	0	0	0
0	0	0	0	0	0	0	30	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	3	0	5	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	1	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	4	0	0	4
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0
1.2E-01	3.5E-01	1.8E+00	6.6E-02	2.3E-01	7.3E-02	6.4E-01	3.5E-01	1.6E+00	1.0E-01	1.2E-01
5.2E-01	5.6E-01	2.2E-01	7.0E-01	2.7E-01	5.0E-01	1.9E-01	1.9E-02	4.3E-01	2.1E-01	5.5E-01
17	15	12	9	13	15	11	16	8	12	16
9.4E-01	-3.4E-01	-1.1E-01	-1.3E+00	2.3E-01	-3.9E-01	-8.6E-01	4.2E-01	4.2E-01	-2.1E+00	-1.5E-01
5.6E+01	3.0E+01	1.5E+01	3.8E+01	1.4E+01	2.6E+02	1.8E+00	1.9E+00	8.4E+00	1.4E+01	4.1E+00

Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low
At_F0297	At_F0336	At_F0535	At_F0552	At_F0612	At_F0619	At_F0640	At_F0674	At_F0679	At_F0699	At_F0578
-	-	-	-	-	-	-	-	-	-	-
2.9E-03	2.4E-03	1.3E-03	3.0E-03	2.8E-03	8.7E-04	6.9E-03	1.6E-02	4.0E-03	3.8E-03	9.3E-03
4.2E-04	1.2E-03	1.2E-03	2.8E-03	1.7E-03	1.1E-03	1.2E-02	6.4E-03	2.3E-03	8.7E-04	3.3E-03
5.2E-03	1.1E-03	2.2E-03	5.6E-03	1.8E-03	2.1E-03	9.1E-03	1.6E-02	4.6E-03	3.9E-03	8.1E-03
5.2E-02	4.2E-02	3.5E-02	3.1E-02	5.0E-02	2.7E-02	9.5E-02	1.6E-01	7.7E-02	6.7E-02	9.3E-02
8.4E-03	3.3E-02	3.2E-02	3.1E-02	4.1E-02	2.4E-02	9.8E-02	1.0E-01	4.8E-02	3.2E-02	3.7E-02
1.0E-01	3.1E-02	4.7E-02	4.4E-02	4.6E-02	4.8E-02	1.2E-01	1.2E-01	9.3E-02	5.4E-02	8.1E-02
0.0E+00	0.0E+00	1.3E+01	2.4E+00	0.0E+00	1.2E+00	0.0E+00	0.0E+00	1.0E+01	0.0E+00	0.0E+00
0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	9	0	0
0	0	40	0	0	0	0	0	28	0	27
0	0	0	45	0	0	0	0	3	0	0
0	0	0	40	0	0	0	0	5	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	18	0	0
0	0	0	9	0	6	6	0	13	0	0
0	0	0	0	0	0	0	0	16	0	0
0	0	39	0	0	0	0	0	7	0	0
0	0	71	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	60	0	14	0	0
0	0	0	0	0	0	0	0	0	0	25
0	0	0	0	0	0	0	0	0	0	67
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	100	0	0	0
0	0	0	0	3	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0
0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	13	0	0
1.0E+00	8.0E-02	8.0E-02	9.5E-01	1.3E-01	3.6E-01	3.0E-01	2.0E+00	8.3E-02	9.4E-02	1.1E-01
4.8E-01	3.1E-01	3.5E-01	5.4E-01	5.4E-01	5.2E-01	5.9E-01	4.2E-01	7.9E-01	4.4E-01	3.5E-01
15	12	11	7	15	16	5	14	9	11	8
1.0E+00	-5.2E-01	3.4E-01	2.5E-02	-9.1E-01	-2.9E-01	0.0E+00	1.3E-01	-6.6E+00	7.0E-01	2.0E-01
3.1E+01	1.8E+01	6.6E+00	1.5E+01	1.6E+01	1.5E+01	2.3E+01	1.0E+02	3.5E+01	6.9E+00	0.0E+00

Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low	Common_Low
At_F0254	At_F0555	At_F0520	At_F0414	At_F0396	At_F0515	At_F0308	At_F0560	At_F0161	At_F0255	Atpeg0063
bm	-	-	-	-	-	-	-	-	-	NA
3.3E-03	2.0E-03	8.6E-03	1.4E-03	8.1E-03	9.8E-03	8.8E-03	1.2E-02	1.9E-02	1.2E-02	1.6E-02
1.4E-03	2.3E-04	5.1E-03	1.3E-03	5.5E-03	1.2E-02	7.1E-03	5.7E-03	9.3E-03	1.1E-02	3.8E-03
1.1E-03	6.8E-04	2.7E-03	2.6E-03	6.2E-03	1.3E-02	7.5E-03	4.9E-03	9.7E-03	6.9E-03	9.0E-03
2.6E-02	3.1E-02	5.8E-02	3.6E-02	4.7E-02	1.1E-01	1.1E-01	1.5E-01	1.6E-01	4.2E-02	1.0E-01
3.9E-02	1.3E-02	3.1E-02	2.4E-02	3.5E-02	1.0E-01	9.5E-02	6.0E-02	8.9E-02	4.8E-02	6.0E-02
3.9E-02	2.2E-02	6.5E-02	4.1E-02	3.1E-02	1.9E-01	9.1E-02	1.0E-01	8.7E-02	4.9E-02	1.0E-01
2.4E+01	0.0E+00	0.0E+00	0.0E+00	8.6E+00	0.0E+00	0.0E+00	4.1E+00	1.3E+01	6.9E+00	8.8E+00
2	0	0	0	0	0	0	0	0	0	10
1	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	67	0	33	0
0	0	0	0	0	0	0	0	0	7	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	17	0	0
0	0	0	0	0	0	0	0	0	25	0
10	0	0	0	0	0	0	0	13	22	0
22	0	0	0	0	0	0	11	11	0	8
36	0	0	0	0	0	0	6	31	0	9
100	0	0	0	67	0	0	0	60	0	83
0	0	0	0	0	0	0	0	67	0	0
17	0	0	0	14	0	0	0	0	0	0
0	0	0	0	42	0	0	0	0	0	0
0	0	0	0	33	38	0	0	0	0	0
0	0	0	0	100	100	0	0	0	0	100
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	100	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	5
10	0	0	0	0	0	0	0	0	0	33
0	0	0	0	0	0	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	13	0	0	0	7	0
0	0	0	0	0	60	0	0	0	0	0
0	0	0	0	0	0	0	4	0	0	0
0	0	0	0	0	0	0	24	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	3	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	12	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	0	2	0
4	0	0	0	0	3	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
7.0E-02	1.1E-01	0.0E+00	7.2E-02	1.6E-01	5.2E-01	2.7E-01	1.5E+00	6.6E-01	6.6E-01	1.5E-01
8.8E-02	6.5E-01	6.1E-01	4.6E-01	5.9E-01	7.4E-01	4.9E-01	1.3E-01	2.7E-01	2.8E-01	2.3E-01
15	16	7	10	11	15	6	8	16	12	13
-5.0E-01	1.0E+00	3.8E-01	7.3E-01	-1.4E+00	-2.1E-01	-9.0E-01	5.6E-01	7.1E-02	3.8E-01	1.8E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Common_Low	Common_Low	Common_Low	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare
Atpeg0120	Atpeg0128	Atpeg0155	At_F0076	At_F0138	At_F0228	At_F0483	At_F0522	At_F0533	At_F0606
NA	NA	NA	-	-	-	-	-	-	-
1.4E-02	4.5E-03	7.9E-03	1.0E-02	5.0E-03	4.3E-03	5.7E-03	3.7E-03	3.5E-03	9.2E-03
6.8E-03	5.8E-03	7.5E-03	8.4E-03	4.8E-03	6.9E-03	2.3E-03	3.3E-03	1.7E-03	8.3E-03
1.4E-02	2.8E-03	1.9E-02	1.8E-02	8.6E-03	4.1E-03	6.7E-03	1.2E-02	2.0E-03	1.1E-02
1.9E-01	4.9E-02	8.9E-02	1.1E-01	6.7E-02	4.6E-02	6.5E-02	5.9E-02	5.0E-02	1.2E-01
8.3E-02	6.6E-02	6.7E-02	5.3E-02	4.7E-02	5.3E-02	2.6E-02	8.9E-02	3.9E-02	1.0E-01
1.3E-01	5.1E-02	9.5E-02	1.6E-01	1.4E-01	4.8E-02	5.9E-02	1.5E-01	8.3E-02	1.5E-01
1.3E+00	2.9E+00	3.0E+01	1.3E+00	9.1E+00	6.5E+00	1.1E+01	6.9E-01	0.0E+00	0.0E+00
0	0	0	0	0	4	0	0	0	0
0	0	0	0	0	0	0	1	0	0
100	0	0	20	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	50
11	0	0	0	0	25	0	0	0	25
40	0	0	0	0	0	23	0	0	0
0	40	0	6	33	0	11	0	0	0
0	7	0	0	38	60	0	0	0	0
5	26	0	7	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0
0	0	40	0	0	0	0	0	0	7
0	0	43	0	25	0	75	0	0	0
0	0	0	0	100	0	0	0	55	0
0	0	0	100	11	0	0	0	9	0
0	0	0	0	0	0	0	0	4	0
0	0	0	0	0	0	0	0	17	0
0	0	0	0	0	0	0	0	100	0
50	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	10	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	17	0
0	0	0	50	0	0	0	0	8	0
0	0	0	0	0	0	0	0	5	0
0	0	0	0	0	0	0	0	9	0
0	0	0	0	0	0	0	0	50	0
56	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	6	0
0	0	0	0	0	0	0	0	4	0
0	0	0	32	0	0	0	0	4	0
0	0	1	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0
9.7E-01	1.3E-01	7.1E-01	4.6E-02	5.6E-01	6.2E-02	6.1E-01	4.2E-01	2.1E-01	2.4E-01
7.8E-01	6.7E-02	4.5E-01	2.5E-01	4.6E-01	3.0E-01	3.0E-01	6.7E-01	3.2E-01	2.7E-01
11	12	16	16	7	17	12	13	11	11
-2.4E-01	4.1E-01	4.4E-01	3.6E-01	-3.0E-01	-6.2E+00	4.7E-01	3.6E-01	6.4E-01	-8.1E-01
0.0E+00	0.0E+00	0.0E+00	1.3E+01	5.5E+00	4.4E+01	2.9E+00	6.0E+01	6.2E+00	1.8E+00

Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare	Common_Rare
At_F0614	At_F0677	At_F0055	At_F0085	At_F0252	At_F0271	At_F0369	At_F0398	At_F0411	At_F0478
-	-	-	-	-	-	-	-	-	-
1.0E-02	1.0E-02	9.1E-03	4.4E-03	9.1E-03	2.0E-03	1.2E-02	1.2E-02	9.8E-03	5.8E-03
6.1E-03	1.2E-02	2.9E-03	3.4E-03	1.2E-02	5.1E-03	1.1E-02	4.4E-03	2.7E-03	7.3E-03
7.8E-03	1.1E-02	1.2E-03	4.4E-03	1.1E-02	5.3E-03	6.8E-03	7.9E-03	6.7E-03	8.0E-03
1.1E-01	8.5E-02	7.8E-02	7.0E-02	4.5E-02	9.5E-02	1.0E-01	1.3E-01	6.5E-02	1.3E-01
6.9E-02	1.0E-01	5.3E-02	6.5E-02	4.3E-02	9.4E-02	8.7E-02	6.9E-02	6.1E-02	5.8E-02
1.6E-01	1.5E-01	3.2E-02	6.1E-02	4.2E-02	1.1E-01	7.5E-02	9.3E-02	6.8E-02	8.1E-02
0.0E+00	3.3E+01	6.1E+00	6.9E+00	0.0E+00	0.0E+00	5.8E+00	0.0E+00	0.0E+00	0.0E+00
0	28	5	0	0	0	0	0	0	0
0	1	1	0	1	1	1	0	1	0
0	100	0	17	0	0	0	40	0	0
0	55	0	0	0	0	5	0	0	0
0	23	0	0	0	0	28	0	0	0
0	53	0	0	0	0	0	0	0	0
0	63	0	0	0	0	0	0	0	0
0	20	43	0	0	0	19	0	0	0
0	22	0	0	0	0	16	0	0	0
0	26	0	10	0	0	0	0	0	0
0	39	0	6	0	0	0	0	0	0
0	79	14	13	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	15	0	0	0	0
0	0	0	0	7	7	0	0	0	20
0	0	0	0	36	0	0	0	0	100
100	0	0	0	0	0	0	0	0	0
0	33	0	0	0	0	0	0	0	0
0	23	0	11	0	0	0	0	0	0
0	17	0	0	0	0	0	0	0	0
0	40	0	0	0	0	0	0	0	0
0	25	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	0	0	0	0	0
0	8	0	0	0	0	0	0	0	0
0	29	0	0	0	0	0	0	0	0
0	44	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	7	0	0	0	0
0	0	0	0	0	7	0	0	0	0
0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0
0	0	0	0	4	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0
0	4	0	0	0	7	0	0	3	0
0	0	0	0	6	0	0	0	0	0
0	1	1	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0
0	0	0	0	3	0	0	0	0	0
0	2	0	0	0	7	0	0	2	0
0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	11	5	0	0	0
0	0	3	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
48	3	0	0	0	0	0	0	0	0
1.6E+00	9.2E-01	3.2E-01	1.2E-01	1.3E-01	2.3E+00	1.6E-01	2.7E-01	3.4E-01	1.7E+00
3.3E-01	5.0E-02	2.5E-01	1.2E-01	2.9E-01	3.5E-01	1.9E-01	3.0E-01	2.5E-01	4.2E-01
8	16	12	7	12	6	13	12	15	8
3.3E-01	-9.9E-01	-2.3E-01	-2.0E+00	-7.6E-02	-8.0E-02	4.8E-01	4.3E-01	-2.0E-02	0.0E+00
1.3E+01	1.9E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Common_Rare	Common_Rare	Common_Rare	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High
At_F0539	At_F0643	Atpeg0092	At_F0011	At_F0013	At_F0024	At_F0027	At_F0029	At_F0030	At_F0052	At_F0072
-	-	NA	-	-	-	-	-	-	-	-
1.6E-03	1.2E-02	6.5E-03	9.1E-03	5.0E-03	6.3E-03	5.9E-04	9.9E-04	2.3E-03	4.5E-03	2.1E-03
3.7E-03	1.2E-02	9.7E-03	1.3E-03	2.1E-03	6.3E-04	1.6E-03	1.5E-03	6.9E-04	3.4E-03	6.3E-03
1.1E-02	1.8E-03	1.4E-02	5.6E-03	2.4E-03	1.6E-03	8.0E-04	1.4E-02	1.2E-03	6.9E-03	8.6E-03
4.3E-02	1.0E-01	9.3E-02	1.4E-01	7.4E-02	1.2E-01	3.3E-02	5.7E-02	3.2E-02	1.0E-01	5.4E-02
5.0E-02	7.9E-02	8.6E-02	3.9E-02	4.3E-02	1.7E-02	2.9E-02	3.1E-02	3.7E-02	3.6E-02	7.0E-02
9.0E-02	4.0E-02	1.1E-01	1.3E-01	5.5E-02	3.9E-02	4.3E-02	7.5E-02	3.1E-02	6.3E-02	1.4E-01
0.0E+00	0.0E+00	5.3E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	4.5E+00	8.0E+00	1.0E+00	6.7E+00
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0
0	0	0	33	0	0	0	8	17	0	0
0	0	0	0	0	0	0	57	67	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	29
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	9	0
0	0	50	0	0	0	0	50	73	0	19
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	28	6	0	0	0	0	0	0
0	17	0	33	27	0	0	0	0	0	0
0	100	0	88	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	25	0	0	0	0	0	0	0
0	0	0	33	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	3	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	2	0
4	0	0	0	0	0	0	0	0	0	0
0	0	0	3	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
1.0E+00	1.9E+00	2.5E-01	8.5E-02	5.6E-02	1.7E-01	7.7E-02	9.2E-02	9.1E-02	1.7E-01	1.2E-01
3.0E-01	2.0E-01	2.2E-01	1.1E-01	9.4E-02	3.8E-01	2.3E-01	2.7E-01	2.1E-01	4.4E-01	1.3E-01
8	16	12	2	2	2	2	2	2	2	2
0.0E+00	3.6E-01	-9.3E-02	-5.2E-01	-7.0E-01	3.0E-01	3.3E-02	-6.0E-01	8.5E-01	-2.3E-01	2.6E-02
0.0E+00	0.0E+00	0.0E+00	3.8E+01	3.8E+01	4.3E+01	2.8E+01	1.2E+02	6.9E+01	4.8E+01	6.1E+00

Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High
At_F0081	At_F0086	At_F0109	At_F0122	At_F0125	At_F0132	At_F0134	At_F0136	At_F0146	At_F0152	At_F0183
-	-	-	-	-	-	-	-	-	-	-
3.5E-03	3.7E-03	9.6E-03	8.4E-03	2.0E-03	9.2E-04	3.0E-03	2.1E-03	3.0E-03	5.7E-03	3.5E-03
1.2E-02	3.5E-03	1.3E-03	8.2E-03	2.5E-03	1.0E-03	2.5E-03	2.8E-03	3.7E-03	1.4E-03	2.0E-03
8.1E-03	1.5E-03	1.4E-03	6.8E-03	2.2E-03	1.6E-03	1.2E-03	1.4E-03	2.6E-03	4.6E-03	1.7E-03
7.5E-02	5.2E-02	1.2E-01	9.7E-02	3.3E-02	4.5E-02	5.9E-02	6.8E-02	7.6E-02	6.3E-02	4.6E-02
7.9E-02	2.9E-02	2.7E-02	9.4E-02	3.8E-02	2.5E-02	4.6E-02	5.5E-02	8.7E-02	3.5E-02	5.5E-02
7.8E-02	3.7E-02	1.8E-02	1.2E-01	3.4E-02	2.5E-02	5.6E-02	3.0E-02	8.4E-02	5.2E-02	5.7E-02
7.7E+00	0.0E+00	1.1E+00	0.0E+00	1.3E+00	3.3E+00	1.6E+01	5.1E+00	0.0E+00	0.0E+00	0.0E+00
0	0	0	0	3	0	0	2	0	0	0
0	0	1	0	0	0	0	0	0	0	0
0	0	50	0	0	0	0	0	0	0	0
0	0	33	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	54	0	0	0	0
0	0	0	0	0	33	60	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	5	0	0	0	0	0	0	0	0
15	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	0	54	19	0	0	0
15	0	0	0	0	30	50	25	0	0	0
50	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	10	0	0	0
0	0	0	0	0	25	10	0	0	0	0
0	0	0	0	0	0	50	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	67	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	0	0	5	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	18	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	3	0	0	5	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	3	0	0
1.3E-01	2.4E-01	7.3E-02	2.4E-01	1.1E-01	6.3E-02	2.4E+00	3.9E-01	5.0E-01	1.0E-01	1.4E-01
1.9E-01	2.6E-01	1.9E-01	3.0E-01	1.3E-01	3.1E-01	3.3E-01	1.3E-01	7.7E-02	1.5E-01	1.4E-01
3	2	2	2	2	2	2	2	2	2	2
1.3E-01	7.6E-01	-1.3E+00	2.4E-02	-1.3E+00	7.1E-01	-3.3E+00	-7.5E-01	2.8E-01	7.2E-01	-1.2E+00
4.1E+01	6.6E+01	3.6E+01	4.7E+00	4.4E+01	4.2E+01	3.3E+01	5.6E+01	2.7E+01	3.7E+01	7.2E+01

Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High
At_F0205	At_F0232	At_F0301	At_F0310	At_F0320	At_F0346	At_F0377	At_F0421	At_F0438	At_F0467	At_F0475
-	-	-	bm	-	-	bm	-	-	-	-
7.7E-03	1.2E-03	3.4E-03	4.9E-03	1.0E-02	3.1E-03	9.1E-03	5.0E-03	5.1E-03	8.9E-04	2.7E-03
9.7E-04	3.6E-03	2.8E-03	2.0E-03	8.6E-03	2.4E-03	3.8E-03	1.4E-03	3.0E-03	1.5E-03	2.5E-03
1.6E-03	2.0E-03	3.4E-03	2.4E-03	9.9E-03	2.1E-03	6.7E-03	1.6E-03	6.1E-03	1.2E-03	3.6E-03
1.3E-01	4.1E-02	6.0E-02	8.0E-02	5.5E-02	5.2E-02	1.5E-01	6.3E-02	4.9E-02	3.0E-02	6.5E-02
2.6E-02	4.6E-02	5.5E-02	3.2E-02	5.1E-02	5.3E-02	5.9E-02	4.1E-02	4.2E-02	2.1E-02	5.3E-02
3.6E-02	3.8E-02	6.2E-02	3.6E-02	6.3E-02	5.6E-02	5.6E-02	4.1E-02	6.7E-02	2.9E-02	3.9E-02
0.0E+00	0.0E+00	2.0E+00	1.9E+01	1.4E+01	1.6E+01	2.8E+01	3.5E+00	1.4E+01	0.0E+00	2.6E+01
0	0	0	3	2	0	2	0	6	0	0
0	0	0	0	0	0	0	1	0	0	1
0	0	0	0	0	0	60	0	0	0	0
0	0	0	50	0	0	0	0	0	9	15
0	0	0	0	0	0	9	0	0	0	36
0	0	0	0	0	0	0	0	0	0	33
0	0	0	67	0	0	0	0	0	0	50
0	0	0	14	0	0	35	0	13	0	0
0	0	0	18	0	0	42	0	43	0	0
0	0	4	13	8	15	37	6	6	0	24
0	0	6	27	28	11	12	5	0	0	41
0	0	0	38	42	57	31	11	0	0	56
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	56
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	38	0	0	0	100	0
0	0	0	0	0	0	60	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	5	0	0
0	0	0	6	6	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	17
0	0	0	0	0	0	14	0	0	0	9
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0
0	0	0	0	2	0	18	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	1	1	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	4	0	0	4	0	0	0	4	0	0
8.7E-02	3.9E-02	6.9E-02	6.0E-02	7.1E-02	8.5E-01	7.5E-02	1.5E-01	2.3E+00	4.0E-01	7.7E-02
1.9E-01	1.5E-01	3.4E-01	2.3E-01	3.4E-01	2.7E-01	2.0E-01	4.2E-01	3.4E-01	6.5E-01	1.9E-01
2	2	2	3	2	2	2	2	2	2	2
2.7E-01	1.5E-01	-9.1E-01	0.0E+00	4.8E-01	-2.9E-01	3.7E-01	8.0E-01	3.9E-01	-1.4E+00	-6.1E-01
5.5E+01	1.2E+02	2.5E+01	4.6E+01	5.1E+01	3.7E+01	3.8E+01	1.2E+02	6.9E+01	4.1E+02	1.3E+01

Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High
At_F0486	At_F0526	At_F0531	At_F0616	At_F0620	At_F0631	At_F0680	At_F0704	At_F0033	At_F0116	At_F0223
bm	-	-	-	-	-	-	bm	-	-	-
2.3E-03	1.1E-02	7.0E-03	1.3E-02	4.0E-03	8.3E-04	2.7E-03	1.3E-02	4.3E-03	2.3E-03	5.1E-03
9.7E-03	4.0E-03	3.6E-03	1.2E-03	1.8E-03	2.0E-03	3.4E-03	2.4E-03	2.4E-03	3.9E-03	1.6E-03
7.3E-03	1.6E-03	2.2E-03	2.6E-03	1.9E-03	2.7E-03	5.6E-03	7.8E-03	4.0E-03	2.7E-03	2.6E-03
3.2E-02	6.7E-02	1.3E-01	1.8E-01	5.3E-02	3.7E-02	4.5E-02	2.0E-01	6.9E-02	3.6E-02	3.8E-02
5.2E-02	4.6E-02	3.3E-02	1.8E-02	2.6E-02	4.5E-02	3.9E-02	5.4E-02	6.6E-02	5.8E-02	2.9E-02
4.0E-02	3.1E-02	6.0E-02	5.2E-02	4.1E-02	4.3E-02	6.8E-02	8.2E-02	8.5E-02	4.0E-02	4.3E-02
2.3E+01	2.6E+01	0.0E+00	2.0E+00	1.5E+01	1.4E+01	5.9E+00	2.4E+01	0.0E+00	0.0E+00	3.6E+00
0	0	0	0	0	0	0	9	0	0	0
0	0	0	0	0	0	0	3	0	0	0
0	0	0	100	0	0	33	0	0	0	0
0	13	0	33	0	0	0	20	0	0	0
0	37	0	0	0	0	0	36	0	0	13
0	33	0	0	0	0	0	29	0	0	11
0	100	0	0	0	0	0	0	0	0	0
0	50	0	0	0	0	25	0	0	0	19
12	40	0	0	0	0	0	67	0	0	0
29	32	0	0	12	0	0	20	0	0	0
21	8	0	0	13	33	0	0	0	0	0
70	0	0	33	71	63	0	43	0	0	0
0	0	0	100	0	0	0	100	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	21	0	0	0
0	0	0	0	0	0	0	33	0	0	0
0	0	0	0	0	0	0	0	0	0	0
17	0	0	100	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10	0	0	0
0	0	0	0	0	0	0	17	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	11	0	0	0
0	0	0	0	0	0	0	6	0	0	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	6	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	30	0	0	0	6	0	0	0
0	0	0	0	3	0	0	14	0	0	0
0	0	0	0	0	0	0	2	0	2	0
0	0	0	0	0	0	0	9	0	0	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	2	0	0	1
0	0	0	0	0	0	0	3	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	4	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0
2.1E-01	6.8E-02	5.3E-02	7.1E-02	9.8E-02	4.9E-01	1.2E-01	6.6E-01	8.7E-01	1.1E-01	4.9E-02
2.3E-01	1.6E-01	3.3E-01	8.5E-01	4.5E-01	1.2E-01	6.2E-02	4.7E-01	1.4E-01	5.7E-01	3.9E-01
2	2	2	2	2	2	2	2	0	1	2
3.2E-01	5.6E-01	8.5E-01	-2.3E+00	6.4E-01	-8.0E-01	1.7E-01	2.8E-01	0.0E+00	0.0E+00	-1.4E+00
4.1E+01	3.7E+01	1.2E+02	1.2E+02	2.1E+02	1.9E+01	3.6E+00	5.1E+01	0.0E+00	0.0E+00	0.0E+00

Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_High
At_F0270	At_F0273	At_F0278	At_F0279	At_F0286	At_F0334	At_F0337	At_F0359	At_F0406	At_F0441	At_F0492
-	-	-	bm	-	-	-	bm	-	-	-
4.3E-03	3.7E-03	3.8E-03	2.7E-03	3.9E-03	1.2E-02	2.7E-03	1.0E-02	2.0E-03	1.4E-02	1.6E-03
1.5E-03	7.6E-03	1.5E-03	1.5E-03	8.8E-03	1.4E-03	1.3E-03	7.1E-03	6.3E-04	4.4E-04	2.7E-04
3.4E-03	8.6E-03	5.2E-03	1.2E-03	4.3E-03	1.9E-03	2.1E-03	7.0E-03	4.0E-04	4.6E-04	1.8E-03
6.5E-02	5.9E-02	5.0E-02	4.4E-02	3.5E-02	1.8E-01	4.1E-02	5.3E-02	3.2E-02	6.6E-02	3.1E-02
3.5E-02	5.3E-02	3.4E-02	2.3E-02	6.8E-02	5.0E-02	2.5E-02	5.3E-02	2.6E-02	1.6E-02	1.4E-02
4.4E-02	1.0E-01	5.7E-02	3.4E-02	4.5E-02	4.5E-02	4.6E-02	3.7E-02	2.5E-02	1.5E-02	2.6E-02
2.1E+01	0.0E+00	1.1E+00	2.2E+01	0.0E+00	6.9E+00	0.0E+00	2.3E+01	1.3E+01	0.0E+00	1.4E+01
0	0	0	0	0	0	0	18	2	0	0
1	0	0	0	1	0	1	0	0	0	0
0	0	0	0	0	100	0	0	0	0	100
0	0	0	0	0	75	0	0	0	0	30
0	0	0	0	0	15	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0
0	0	5	0	0	0	0	0	0	0	0
5	0	0	33	0	0	0	0	0	0	8
33	0	0	47	0	0	0	10	32	0	0
57	0	0	0	0	55	0	26	0	0	62
25	0	0	0	0	0	0	100	50	0	0
40	0	0	0	0	0	0	100	0	43	0
0	0	0	0	0	0	6	36	0	0	0
0	0	0	0	0	0	0	25	0	0	22
0	0	15	0	0	0	0	29	0	0	36
0	0	0	0	0	0	0	80	0	0	80
0	0	0	0	0	63	0	0	0	0	0
0	0	0	0	0	55	0	0	0	0	0
0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	7	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6	0	0	0
0	0	0	0	0	0	0	75	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	18	0	0	3	0	0
0	0	0	0	0	10	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
7.1E-02	0.0E+00	4.3E-01	8.2E-02	6.7E-02	2.1E-01	8.1E-01	1.0E-01	8.9E-02	2.6E-01	2.3E-01
2.0E-01	2.3E-01	3.2E-01	4.1E-01	4.7E-01	3.8E-01	4.4E-01	1.9E-01	3.3E-01	1.9E-01	5.8E-01
0	2	0	3	2	2	2	2	2	0	2
0.0E+00	1.1E-01	0.0E+00	0.0E+00	-2.4E-01	-2.9E-01	-1.2E+00	1.9E-01	1.0E+00	0.0E+00	1.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_High	Specific_High	Specific_High	Specific_High	Specific_High	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0495	At_F0496	At_F0545	At_F0587	At_F0601	At_F0091	At_F0097	At_F0159	At_F0350	At_F0422	At_F0433	At_F0547
-	bm	-	-	-	-	-	-	-	-	-	-
9.7E-03	7.6E-03	6.4E-03	4.6E-03	3.2E-03	4.3E-03	4.0E-03	4.1E-03	3.9E-04	2.3E-03	7.2E-03	1.0E-02
2.8E-03	3.5E-03	2.2E-03	1.8E-03	4.9E-03	4.7E-03	9.8E-03	2.7E-03	1.5E-03	5.0E-04	1.1E-02	5.0E-03
2.7E-03	3.8E-03	3.1E-03	4.2E-03	1.6E-02	3.6E-03	2.0E-03	2.9E-03	2.1E-03	5.5E-03	1.6E-02	3.7E-03
1.3E-01	1.3E-01	1.3E-01	5.5E-02	5.5E-02	5.7E-02	5.0E-02	6.4E-02	2.4E-02	7.4E-02	8.9E-02	5.5E-02
3.8E-02	6.2E-02	5.5E-02	3.4E-02	8.3E-02	6.1E-02	7.4E-02	4.8E-02	2.9E-02	2.7E-02	8.2E-02	2.1E-02
4.3E-02	6.8E-02	4.6E-02	4.2E-02	2.2E-01	6.4E-02	1.7E-02	5.0E-02	3.9E-02	7.0E-02	7.6E-02	3.7E-02
0.0E+00	2.4E+01	3.7E+01	1.6E+00	0.0E+00	9.6E+00	0.0E+00	3.0E+00	0.0E+00	5.0E+00	1.0E+00	0.0E+00
0	0	2	0	0	0	0	0	0	0	0	0
0	1	0	1	0	0	0	1	0	0	1	1
100	50	0	0	22	83	0	0	0	0	0	0
20	0	0	0	0	42	0	0	0	0	0	0
14	0	30	0	0	33	8	0	0	0	0	0
0	0	33	0	0	0	0	0	0	0	0	0
0	0	86	0	0	17	0	0	0	25	0	0
0	25	50	0	0	71	0	0	0	0	0	0
0	7	33	0	0	0	0	0	0	0	0	0
0	40	31	0	0	0	0	0	0	8	2	0
0	36	25	12	0	0	0	25	0	13	0	0
0	0	89	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	50	25	0	0	0	0	0	9	0
0	0	50	0	70	0	0	0	0	0	25	0
0	0	33	0	67	0	0	0	0	0	33	0
50	100	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	14	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	11	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	4	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	70	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	25	0	0	0	0	0	0	0	0	0	0
0	7	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	2	0	0	1	1
0	4	0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	26	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	4	0	0	0
9.5E-02	9.3E-02	7.2E-02	6.8E-02	3.4E-01	5.6E-02	3.6E-01	2.3E-01	8.5E-02	1.6E-01	1.4E+00	5.9E-02
3.7E-01	3.4E-01	4.1E-01	3.3E-01	3.4E-01	3.5E-01	4.2E-01	4.4E-01	2.9E-01	7.6E-01	3.6E-01	2.4E-01
2	2	3	0	2	2	4	2	2	2	1	2
-1.1E+00	-5.1E-02	0.0E+00	0.0E+00	-4.1E-01	1.3E-01	-2.0E-02	1.7E-01	-3.5E+00	9.3E-01	0.0E+00	6.4E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.5E+01	1.4E+01	2.2E+01	7.6E+01	4.1E+01	1.4E+01	1.7E+01

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0696	At_F0002	At_F0119	At_F0158	At_F0172	At_F0348	At_F0428	At_F0155	At_F0347	At_F0435	At_F0627	At_F0192
-	-	-	-	-	-	-	-	bm	-	-	-
3.3E-03	3.6E-03	1.3E-02	3.9E-03	1.8E-03	1.1E-02	1.8E-02	1.1E-03	1.1E-02	3.4E-03	3.6E-03	1.7E-03
3.0E-03	3.0E-03	1.5E-02	3.2E-03	4.0E-03	8.4E-03	1.2E-02	1.6E-03	2.9E-03	1.0E-03	1.9E-03	2.7E-03
2.9E-03	2.4E-03	9.8E-03	4.7E-03	0.0E+00	8.6E-03	1.3E-02	1.7E-03	6.1E-03	8.6E-04	8.6E-03	2.8E-03
4.5E-02	4.7E-02	9.5E-02	4.4E-02	5.3E-02	9.3E-02	1.3E-01	3.5E-02	1.0E-01	3.1E-02	5.1E-02	2.1E-02
4.6E-02	3.9E-02	9.2E-02	3.9E-02	4.8E-02	8.8E-02	1.1E-01	4.5E-02	5.8E-02	1.2E-02	3.2E-02	5.2E-02
3.8E-02	4.7E-02	8.1E-02	4.6E-02	0.0E+00	1.6E-01	8.2E-02	4.0E-02	6.3E-02	2.9E-02	1.0E-01	3.9E-02
0.0E+00	0.0E+00	2.4E+00	0.0E+00	1.4E+00	1.7E+01	0.0E+00	0.0E+00	2.2E+01	0.0E+00	0.0E+00	8.3E+00
3	0	0	0	0	13	0	0	0	0	0	6
1	0	0	0	0	0	0	1	0	1	0	1
0	0	33	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	11
0	0	0	0	0	0	0	0	0	0	0	18
0	0	0	0	0	0	0	0	0	0	0	25
0	0	0	0	13	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	22	0	0	0	0	3	0
0	0	0	0	0	4	0	0	12	0	0	6
0	0	11	0	0	0	0	0	38	0	0	40
0	0	0	0	13	68	0	0	50	0	0	0
0	0	0	0	0	100	0	0	0	0	0	0
0	0	0	0	0	33	30	0	0	0	0	0
0	0	0	0	0	26	6	0	29	0	0	0
0	0	0	0	0	5	27	0	44	0	0	0
0	0	0	0	0	0	0	0	60	0	83	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	13
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	14
0	0	0	0	0	35	0	0	0	0	0	0
0	0	0	0	0	67	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	17	0	0	0	0	0	0	20	0
0	0	0	0	0	0	0	0	4	0	4	0
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	2	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5	0	0
3	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	2
0	0	0	0	0	0	0	0	0	3	0	0
0	0	0	4	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	2	0	0
0	0	0	1	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	2	0	0	0	0
1.0E+00	6.3E-02	1.0E+00	2.6E-01	2.2E+00	3.0E-01	1.8E+00	4.5E-02	1.4E+00	3.7E-02	1.1E-01	5.9E-02
1.8E-01	2.6E-01	3.6E-01	3.0E-01	2.5E-01	2.5E-01	2.5E-01	5.3E-01	2.2E-01	2.5E-01	5.6E-01	4.2E-01
2	2	2	2	2	2	2	1	2	2	3	2
1.2E-01	6.4E-01	4.2E-01	5.1E-01	5.2E-01	2.5E-01	1.7E-01	0.0E+00	7.0E-03	3.5E-01	-1.4E+00	-2.6E-01
1.3E+01	1.1E+01	1.6E+01	8.0E+01	2.1E+01	1.1E+01	8.2E+00	1.9E+01	4.8E+01	7.9E+01	3.0E+01	1.2E+01

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0110	At_F0258	At_F0370	At_F0596	At_F0003	At_F0010	At_F0048	At_F0095	At_F0139	At_F0168	At_F0617	At_F0129
-	-	-	-	-	-	-	bm	-	-	-	-
3.9E-03	5.6E-03	1.5E-02	0.0E+00	4.0E-03	6.5E-03	4.4E-03	4.3E-03	3.5E-03	8.2E-03	4.2E-03	3.6E-03
5.0E-03	2.0E-03	1.2E-02	0.0E+00	2.6E-03	6.6E-03	4.4E-03	9.9E-03	9.9E-03	7.2E-03	1.9E-03	1.9E-03
3.0E-03	1.5E-03	7.3E-03	3.0E-03	1.8E-03	7.9E-04	5.8E-03	1.3E-02	8.9E-03	1.1E-02	5.7E-03	7.1E-03
6.5E-02	1.1E-01	1.1E-01	0.0E+00	3.9E-02	1.0E-01	7.2E-02	6.6E-02	3.2E-02	1.9E-01	1.0E-01	6.1E-02
4.8E-02	2.6E-02	7.6E-02	0.0E+00	4.3E-02	9.4E-02	5.0E-02	7.5E-02	5.3E-02	1.5E-01	4.5E-02	5.0E-02
4.9E-02	3.0E-02	8.5E-02	3.2E-02	3.5E-02	5.4E-02	9.6E-02	1.2E-01	4.2E-02	2.3E-01	1.1E-01	5.3E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	2.7E+00	4.4E+01	2.5E+00	2.4E+01	3.2E+01	5.0E+01	1.2E+00	4.2E+00
0	0	0	0	0	68	0	5	31	83	2	3
0	0	1	0	1	4	0	1	4	8	1	0
0	0	67	0	0	0	0	17	0	100	0	0
0	0	29	0	10	0	0	0	0	100	7	10
0	0	0	0	0	0	0	0	0	0	0	17
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	100	0	0
0	0	0	0	7	80	0	0	20	100	0	0
0	0	0	0	7	47	0	0	58	64	0	0
0	0	0	0	0	33	0	40	23	22	4	14
0	0	0	0	0	44	0	43	47	47	0	9
0	0	0	0	0	88	20	86	13	100	0	0
0	0	0	0	0	0	0	33	0	100	0	0
0	0	0	0	0	0	0	0	10	17	14	0
0	0	0	0	0	0	0	0	21	8	0	0
0	0	0	38	0	0	29	0	31	75	11	0
0	0	0	50	0	0	0	0	83	100	0	0
0	0	0	0	0	0	0	0	0	50	20	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	6
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	67	0	0
0	0	0	0	0	50	0	0	0	82	0	0
0	0	0	0	0	38	0	0	21	58	8	0
0	0	0	0	0	38	0	7	29	18	0	5
0	0	0	0	0	22	0	9	0	35	0	0
0	0	0	0	0	60	0	0	0	86	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	14	0
0	0	0	0	0	0	0	0	0	6	17	0
0	0	0	7	0	0	0	0	0	27	0	0
0	0	0	22	0	0	0	0	0	50	0	0
0	0	0	0	2	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	4	4	0	0
0	0	4	0	0	0	0	0	0	7	0	0
0	0	0	0	1	6	0	0	0	3	1	0
0	0	0	0	0	0	0	4	6	3	1	0
0	0	0	0	0	3	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	0	0	0	4	0	5
2	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	5	0
0	0	0	2	0	1	0	0	0	0	12	0
0	0	0	0	0	0	0	0	0	6	0	0
1.0E+00	6.6E-02	4.4E-01	0.0E+00	2.5E-01	9.9E-02	1.4E+00	5.1E-01	1.0E-01	3.0E-01	4.2E-01	1.1E-01
3.5E-01	1.2E-01	3.0E-01	9.7E-02	2.5E-01	7.7E-02	6.9E-02	1.7E-01	2.4E-01	1.4E-01	6.0E-02	2.1E-01
4	2	2	2	2	0	2	2	0	2	3	2
2.7E-01	-8.9E-01	8.6E-02	0.0E+00	1.3E-01	0.0E+00	-1.7E+00	6.4E-01	0.0E+00	-1.9E-01	-9.2E-01	-5.6E-01
5.7E+00	1.2E+01	1.3E+01	5.8E+02	5.4E+00	3.3E+00	2.1E+01	6.1E+00	4.8E+00	5.7E+00	9.9E+00	2.8E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0314	At_F0386	At_F0461	At_F0189	At_F0456	At_F0648	At_F0103	At_F0268	At_F0387	At_F0073	At_F0201	At_F0408
-	-	-	-	-	-	-	-	-	-	-	-
6.6E-03	4.1E-03	1.8E-03	4.0E-03	3.8E-03	5.9E-03	4.0E-03	9.0E-03	1.0E-02	9.0E-03	6.5E-03	9.0E-03
4.1E-03	4.2E-03	5.4E-04	3.4E-03	2.0E-03	6.4E-03	5.1E-03	8.8E-03	1.0E-02	4.6E-03	3.5E-03	1.6E-02
4.3E-03	4.4E-03	1.2E-03	3.9E-03	1.2E-03	7.9E-03	4.3E-03	8.3E-03	1.4E-02	6.6E-03	2.6E-03	1.4E-02
5.8E-02	8.9E-02	4.3E-02	6.7E-02	5.0E-02	8.5E-02	4.2E-02	8.7E-02	1.4E-01	6.8E-02	5.0E-02	9.8E-02
3.7E-02	1.0E-01	8.1E-03	6.0E-02	3.6E-02	7.6E-02	4.2E-02	9.6E-02	1.1E-01	5.0E-02	4.7E-02	1.0E-01
4.0E-02	1.1E-01	3.5E-02	7.8E-02	2.2E-02	9.1E-02	8.3E-02	1.2E-01	1.1E-01	7.6E-02	3.9E-02	1.6E-01
0.0E+00	4.3E+00	0.0E+00	0.0E+00	1.1E+00	3.4E+00	9.8E-01	5.4E+00	2.3E+01	0.0E+00	1.4E+00	1.3E+01
0	0	0	0	0	0	0	0	19	0	0	4
1	1	0	1	1	0	0	0	3	1	0	0
0	0	0	50	0	0	0	0	100	0	0	0
0	0	0	62	0	0	0	0	0	0	13	0
0	40	0	0	11	0	5	0	22	0	0	14
0	0	0	0	0	0	0	0	0	0	0	18
0	0	0	0	0	8	0	0	0	0	0	83
0	0	0	0	0	8	0	0	33	0	0	0
0	0	0	0	0	0	0	29	9	0	0	0
0	0	0	0	4	0	0	8	35	0	0	13
0	0	0	0	0	9	6	0	27	0	0	17
0	33	0	0	0	0	0	0	33	0	11	83
0	0	11	0	0	0	0	0	25	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	80	0	0	0	0	44
50	0	0	0	0	0	50	0	0	0	0	60
0	0	0	0	0	0	0	100	33	0	0	100
0	0	0	0	0	0	0	0	0	0	14	0
0	0	0	50	0	0	0	0	0	0	0	0
0	22	0	0	0	0	0	0	0	0	0	0
0	8	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	33
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	14	0	0	0
0	0	0	0	0	0	0	0	19	0	0	0
0	4	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	33
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	43	0	0	0	0	21
100	20	0	0	0	0	100	0	0	0	0	42
0	0	0	0	0	0	0	0	0	0	0	100
0	0	0	0	0	0	0	0	6	4	0	0
0	0	0	2	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0	0
0	8	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	2	0	0	0	0	0	0	0
1	0	2	0	0	0	0	0	5	0	0	0
0	2	0	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	7	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	18	0	0	0	0	1
0	0	0	0	0	0	20	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0	7
8.5E-02	3.0E-01	1.3E-01	8.3E-02	9.8E-02	5.7E-01	7.1E-01	2.4E+00	3.1E-01	5.0E-01	7.4E-02	4.1E-01
4.2E-01	3.9E-01	4.1E-01	2.7E-01	1.4E-01	1.1E-01	3.3E-01	2.7E-01	2.0E-01	1.9E-01	3.3E-01	1.8E-01
2	3	0	2	2	1	3	1	2	2	1	2
-7.9E-01	-1.7E+00	0.0E+00	6.9E-01	2.7E-01	0.0E+00	-2.9E-01	0.0E+00	-1.2E+00	5.8E-01	0.0E+00	6.9E-02
1.4E+01	1.5E+01	9.3E+00	1.3E+01	2.6E+00	3.4E+00	8.1E+00	4.0E+00	2.9E+00	4.0E+00	1.2E+01	2.4E+01

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0543	At_F0697	At_F0434	At_F0423	At_F0453	At_F0018	At_F0142	At_F0008	At_F0208	At_F0219	At_F0040	At_F0195
-	-	-	-	-	-	-	-	-	-	-	-
1.3E-03	6.0E-03	3.7E-03	5.5E-03	5.7E-03	1.8E-03	9.0E-03	2.2E-03	1.4E-02	5.5E-03	5.7E-03	7.3E-04
3.0E-03	7.7E-03	2.3E-03	4.6E-03	9.2E-03	5.8E-03	1.4E-02	3.0E-03	8.7E-03	5.0E-03	2.5E-04	1.0E-03
4.3E-03	1.1E-02	2.3E-03	2.3E-03	1.0E-02	7.5E-03	6.6E-03	2.2E-03	2.4E-03	6.7E-03	3.3E-03	1.8E-03
4.5E-02	5.5E-02	5.4E-02	1.2E-01	9.6E-02	4.2E-02	9.6E-02	7.1E-02	7.1E-02	7.1E-02	8.4E-02	2.5E-02
8.6E-02	6.5E-02	4.0E-02	5.3E-02	7.1E-02	6.5E-02	1.3E-01	6.9E-02	5.4E-02	6.1E-02	2.4E-02	3.5E-02
7.7E-02	1.3E-01	4.1E-02	3.7E-02	8.4E-02	8.6E-02	6.3E-02	6.1E-02	2.7E-02	7.1E-02	7.2E-02	3.7E-02
4.9E+01	0.0E+00	0.0E+00	2.0E+00	1.0E+01	8.1E+00	6.8E+00	0.0E+00	1.8E+00	2.0E+00	0.0E+00	1.3E+00
88	0	0	0	0	0	0	0	0	0	0	0
17	0	1	1	0	0	1	0	0	0	0	0
0	0	0	11	100	0	0	0	0	0	0	0
0	0	0	0	14	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	5
0	0	0	0	10	38	0	0	0	0	86	0
0	0	0	11	0	67	0	0	0	0	0	0
100	0	0	0	45	0	33	0	0	15	0	0
55	0	0	6	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	6	0	0	4
44	0	0	0	0	38	15	0	0	0	0	0
100	0	0	10	0	50	0	0	0	0	0	0
100	0	0	0	0	0	25	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0
57	9	0	7	0	0	0	0	0	0	0	0
25	24	0	36	0	29	0	0	0	0	0	0
0	42	0	0	0	100	0	10	0	0	44	0
0	0	0	0	60	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	17	0
0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	25	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
28	6	0	0	0	0	0	0	0	0	0	0
33	8	0	0	0	29	0	0	0	0	0	0
0	38	0	0	0	60	0	0	0	0	50	0
0	0	0	0	4	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	6	0
8	0	0	0	0	0	4	0	0	0	3	0
30	0	0	0	0	0	0	0	0	0	0	0
12	0	1	0	0	0	0	0	0	0	0	0
3	0	0	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0
10	0	3	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	4	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0
1	8	0	0	0	0	0	0	0	0	0	0
0	9	0	0	0	0	0	0	0	0	0	0
0	22	0	0	0	23	30	0	0	0	25	0
5.6E-01	2.0E-01	3.5E-02	4.3E-01	4.0E-01	2.0E+00	2.2E-01	4.9E-01	2.4E-01	1.1E+00	6.2E-01	8.9E-02
1.4E-01	1.1E-01	1.9E-01	1.0E-01	3.1E-01	1.2E-01	2.7E-01	4.4E-02	1.5E-01	1.7E-01	3.8E-01	2.0E-01
0	2	2	3	0	2	2	1	4	2	2	2
0.0E+00	-1.1E+00	2.4E-01	2.6E-01	0.0E+00	-6.0E-01	4.8E-01	0.0E+00	0.0E+00	4.3E-01	1.0E+00	6.7E-01
4.2E+00	2.0E+00	7.3E+00	9.9E+00	1.8E+01	1.4E+01	8.2E+00	3.5E+00	8.6E+00	5.7E+00	9.8E+00	6.1E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0224	At_F0241	At_F0277	At_F0384	At_F0391	At_F0424	At_F0498	At_F0499	At_F0566	At_F0650	At_F0652	At_F0686
-	-	bm	-	-	-	-	-	-	-	-	-
9.5E-04	1.3E-03	1.5E-03	2.5E-03	7.5E-03	7.2E-04	2.4E-03	5.9E-03	5.6E-03	8.2E-04	4.9E-03	2.7E-03
1.1E-03	1.0E-03	3.3E-03	1.4E-03	2.4E-03	2.1E-03	3.7E-03	3.2E-03	4.5E-03	1.0E-03	4.5E-03	1.6E-03
5.2E-03	2.0E-03	4.1E-03	2.0E-03	7.8E-03	4.3E-03	3.9E-03	2.7E-03	7.9E-03	7.0E-03	1.0E-02	1.7E-03
3.5E-02	3.2E-02	2.8E-02	4.7E-02	5.6E-02	3.9E-02	4.9E-02	1.3E-01	6.3E-02	3.5E-02	7.9E-02	5.4E-02
2.8E-02	3.2E-02	4.2E-02	4.2E-02	2.0E-02	5.1E-02	3.7E-02	8.7E-02	6.2E-02	3.1E-02	4.4E-02	3.0E-02
5.8E-02	4.6E-02	3.0E-02	3.6E-02	5.2E-02	9.9E-02	7.2E-02	4.3E-02	8.5E-02	1.2E-01	5.2E-02	4.3E-02
6.0E+00	1.0E+00	2.9E+01	2.3E+00	1.1E+01	0.0E+00	3.2E+00	0.0E+00	0.0E+00	0.0E+00	1.3E+01	0.0E+00
3	0	0	0	0	0	0	0	0	0	2	0
0	0	1	1	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	18	0	0	0	0	0	14	0
0	8	0	0	7	0	0	0	0	0	0	0
0	0	0	33	43	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	32	0	17	0	0	0	0	0	18	0
0	0	28	8	16	0	0	0	0	0	12	0
27	8	25	0	0	0	14	0	0	0	17	0
0	0	70	0	44	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	33	0	0
0	0	29	0	0	0	0	0	0	0	67	0
0	0	10	0	0	29	0	0	0	50	0	0
0	0	80	0	0	100	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	8	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	13	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	11	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0
0	0	3	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	2	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	7	0	0	0	0	0	0
0	0	0	4	0	35	0	4	0	0	0	0
6.6E-02	3.0E-01	7.3E-02	1.0E-01	1.2E-01	1.0E-01	2.4E+00	3.4E-01	8.0E-02	8.9E-02	1.4E-01	9.2E-02
6.2E-01	2.4E-01	2.1E-01	1.2E-01	4.8E-01	4.2E-01	3.3E-01	1.4E-01	1.4E+00	6.7E-01	2.5E-01	9.0E-01
2	2	3	3	2	0	2	0	0	2	2	2
-3.4E+00	6.4E-01	-9.4E-01	8.4E-01	-1.4E-01	0.0E+00	7.1E-01	0.0E+00	0.0E+00	1.0E+00	3.1E-01	-6.1E-01
1.7E+01	1.8E+01	4.4E+01	1.6E+01	6.9E+01	7.6E+00	2.5E+01	1.3E+01	6.7E+00	5.0E+01	3.5E+00	1.8E+01

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0702	At_F0316	At_F0326	At_F0361	At_F0502	At_F0651	Atpeg0074	At_F0123	At_F0179	At_F0646	At_F0187	At_F0431
-	-	bm	-	-	-	NA	-	-	-	-	-
9.3E-03	3.5E-03	1.7E-02	3.8E-03	3.9E-03	6.1E-03	5.9E-03	7.5E-03	1.8E-03	1.8E-02	2.4E-03	1.3E-03
4.3E-03	1.7E-03	3.9E-03	3.1E-03	2.6E-03	9.3E-03	4.2E-03	7.0E-03	9.6E-04	1.2E-02	4.2E-03	1.4E-03
3.0E-03	3.0E-03	2.8E-03	1.5E-03	3.7E-03	3.5E-03	6.2E-03	4.6E-03	2.4E-03	8.7E-03	2.9E-03	1.8E-03
1.1E-01	5.6E-02	2.3E-01	6.9E-02	5.0E-02	7.6E-02	7.1E-02	1.3E-01	4.6E-02	1.4E-01	3.2E-02	4.1E-02
4.5E-02	5.1E-02	7.0E-02	7.0E-02	3.6E-02	7.6E-02	5.7E-02	6.0E-02	3.7E-02	1.1E-01	4.6E-02	4.7E-02
5.4E-02	6.9E-02	4.7E-02	4.4E-02	5.5E-02	8.7E-02	6.5E-02	4.0E-02	4.0E-02	8.7E-02	4.3E-02	3.7E-02
4.3E+01	1.1E+01	2.2E+01	5.0E+00	8.3E+00	0.0E+00	1.2E+01	2.6E+00	7.1E+00	0.0E+00	0.0E+00	5.0E+00
75	3	0	9	0	0	0	0	0	4	0	0
16	1	0	0	1	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	44	0	0	0	0	0	0	0	0	0
7	0	60	0	0	0	0	0	0	0	0	0
0	0	17	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	50	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0
50	11	0	0	0	0	0	0	0	0	0	0
53	29	10	10	0	0	0	0	10	0	0	0
63	0	41	23	44	0	28	0	0	0	0	26
100	0	25	0	14	0	67	33	25	0	0	0
67	0	0	0	0	0	20	0	0	0	60	0
39	0	0	0	0	0	0	33	0	0	23	0
40	0	14	0	0	0	0	0	0	0	0	0
33	0	46	0	0	0	0	53	0	0	0	0
83	0	57	0	0	11	0	43	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	30	0	0	0	0	0	0	0	0	0
6	0	27	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	8	0	0
33	5	0	5	0	0	0	0	0	0	0	0
40	0	0	19	0	0	8	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	0	0	0	0	0
1	0	6	0	0	0	0	0	0	0	0	0
1	0	25	0	0	0	0	0	0	0	0	0
20	0	0	0	5	0	0	0	0	0	0	0
12	2	0	0	0	0	0	0	0	0	0	0
11	1	2	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	3	0	0	0	0	0	2	0
14	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	2	0
3	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0
5.6E-01	9.8E-02	8.1E-01	7.0E-02	7.8E-01	1.3E-01	9.4E-02	1.5E-01	1.3E-01	6.4E-01	8.7E-02	1.3E-01
4.3E-01	1.5E-01	4.3E-01	8.5E-02	1.6E-01	2.0E-01	2.5E-01	1.3E-01	3.0E-01	8.1E-02	4.3E-01	1.3E-01
0	2	0	2	2	2	2	2	2	0	3	2
0.0E+00	-7.6E-01	0.0E+00	-3.1E+00	6.6E-01	-1.8E+00	4.3E-01	5.5E-01	6.5E-01	0.0E+00	0.0E+00	9.7E-01
3.6E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0507	At_F0611	At_F0188	At_F0420	At_F0549	At_F0668	Atpeg0005	Atpeg0045	Atpeg0108	At_F0079	At_F0238	At_F0321
-	-	-	-	-	-	NA	NA	NA	-	-	-
1.1E-02	4.2E-03	7.4E-03	1.7E-03	1.2E-02	2.3E-03	1.0E-02	4.6E-03	9.6E-03	3.3E-03	6.1E-03	7.6E-04
5.8E-03	4.6E-03	5.9E-03	6.9E-03	1.3E-02	1.7E-03	1.0E-02	3.1E-03	1.1E-02	3.3E-03	2.8E-03	1.4E-03
1.0E-02	1.1E-02	4.1E-03	2.1E-03	4.7E-03	3.4E-03	6.8E-03	2.5E-03	1.1E-02	1.9E-03	1.9E-03	1.1E-03
1.0E-01	5.4E-02	6.4E-02	2.6E-02	2.0E-01	5.8E-02	1.3E-01	5.3E-02	2.0E-01	6.5E-02	4.8E-02	3.2E-02
7.0E-02	5.3E-02	4.9E-02	5.1E-02	1.3E-01	4.8E-02	1.3E-01	6.0E-02	1.7E-01	6.6E-02	3.5E-02	3.8E-02
7.6E-02	1.3E-01	2.2E-02	4.3E-02	4.9E-02	6.5E-02	9.5E-02	5.7E-02	2.0E-01	3.8E-02	3.7E-02	2.6E-02
3.6E+00	3.4E+01	0.0E+00	0.0E+00	1.6E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.1E+01
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
7	17	0	0	8	0	0	0	0	0	0	0
11	5	7	0	26	0	0	0	0	0	0	0
0	27	0	0	33	0	0	0	0	0	0	0
0	88	0	0	0	0	0	0	0	0	0	0
11	73	0	0	22	0	0	0	0	0	0	0
13	20	0	0	7	0	0	0	0	0	0	0
0	17	0	0	15	0	0	0	0	0	0	6
0	18	0	0	43	0	0	0	0	0	0	47
0	5	0	0	0	0	0	0	0	0	0	0
0	100	0	0	0	0	0	0	0	0	0	0
0	41	0	0	0	0	0	0	0	0	0	0
0	0	0	11	0	0	0	27	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	25	0	0	0	0	0	0	0	0	0	0
0	46	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	2	0	1	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
0	7	4	0	0	0	0	0	0	0	0	0
0	20	0	0	0	0	0	0	0	3	2	0
0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	3	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1.3E-01	1.1E-01	2.9E+00	5.2E-02	3.3E-01	6.4E-02	5.4E-01	1.5E+00	1.1E+00	7.2E-02	1.5E-01	8.7E-02
3.6E-01	3.3E-01	2.9E-01	5.1E-01	2.2E-01	4.8E-01	2.7E-01	3.3E-01	9.5E-01	2.7E-01	2.8E-01	2.7E-01
2	2	2	1	1	3	0	2	0	0	2	2
0.0E+00	1.9E-01	-1.0E-01	0.0E+00	0.0E+00	-4.1E+00	0.0E+00	-2.9E+00	0.0E+00	0.0E+00	5.9E-01	-5.1E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0340	At_F0372	At_F0574	Atpeg0114	Atpeg0186	At_F0113	At_F0243	At_F0244	At_F0390	At_F0532	Atpeg0145	At_F0077
-	-	-	NA	NA	-	-	-	-	-	NA	-
8.8E-03	1.1E-02	1.6E-03	5.7E-03	4.1E-03	9.1E-03	4.2E-03	7.3E-03	1.3E-02	7.9E-03	1.3E-02	1.9E-03
4.2E-03	1.2E-02	6.4E-04	4.4E-03	3.3E-03	7.8E-03	4.2E-03	3.2E-03	1.5E-02	6.5E-03	9.9E-03	4.1E-03
5.9E-03	4.9E-03	4.7E-03	9.4E-03	1.9E-03	4.2E-03	9.8E-04	7.8E-03	1.5E-02	7.6E-03	6.6E-03	5.3E-03
9.0E-02	7.9E-02	4.4E-02	5.7E-02	6.9E-02	1.3E-01	4.4E-02	4.6E-02	7.7E-02	5.4E-02	1.9E-01	4.4E-02
4.4E-02	7.7E-02	3.7E-02	3.3E-02	6.9E-02	8.4E-02	2.5E-02	5.6E-02	8.6E-02	7.1E-02	8.3E-02	4.9E-02
4.4E-02	4.6E-02	8.5E-02	4.3E-02	9.2E-02	7.3E-02	3.6E-02	6.8E-02	9.6E-02	6.2E-02	7.9E-02	4.9E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.8E+01	0.0E+00	2.9E+00	0.0E+00	0.0E+00
0	0	0	0	0	0	0	52	0	3	0	3
0	0	0	1	0	0	0	4	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	10	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	36
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	20	0	33	0	0
0	0	0	0	0	0	0	100	0	0	0	0
0	0	0	0	0	0	0	44	0	0	0	0
0	0	0	0	0	0	0	45	0	8	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	22	0	0	0
0	0	0	0	33	0	0	0	0	0	0	0
0	0	0	21	0	0	0	0	30	0	0	0
0	0	0	37	0	12	0	0	25	0	0	0
0	0	0	50	0	23	0	0	50	0	0	33
8	0	0	75	67	0	0	0	0	0	50	100
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	10	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	100	0	0	0	0
0	0	0	0	0	0	0	22	0	4	0	0
0	0	0	0	0	0	0	28	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	5
0	0	0	0	0	0	0	17	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	8	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	100	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5	0	0	0	6
0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10	0	0	0	0
0	0	0	2	0	0	0	2	0	0	0	0
0	1	0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	3	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0	2
0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	13	0
0	0	0	0	0	0	0	0	0	0	25	0
1.9E-01	2.2E+00	7.9E-02	5.6E-02	1.1E-01	1.1E+00	9.1E-02	1.3E-01	1.9E-01	1.4E+00	4.4E-01	5.6E-02
4.5E-01	2.4E-01	6.7E-01	5.2E-01	2.7E-01	1.5E-01	4.3E-02	1.9E-01	2.4E-01	1.7E-01	2.3E-01	2.5E-01
2	2	2	0	2	0	3	2	2	0	2	2
-2.1E-02	4.6E-01	1.0E+00	0.0E+00	8.4E-01	0.0E+00	0.0E+00	5.1E-01	3.6E-01	0.0E+00	6.9E-01	-1.3E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0250	At_F0343	At_F0608	At_F0663	Atpeg0125	At_F0062	At_F0074	At_F0239	At_F0349	At_F0025	At_F0154	At_F0488
-	bm	-	-	NA	-	-	bm	-	-	-	-
3.2E-03	1.6E-02	7.1E-03	6.6E-03	6.3E-03	8.2E-04	4.2E-03	3.3E-03	1.8E-03	6.5E-03	3.7E-03	1.5E-02
2.8E-03	8.9E-03	3.0E-03	2.0E-03	3.1E-03	3.8E-04	3.1E-03	3.0E-03	3.0E-03	1.2E-02	5.7E-03	1.4E-02
2.4E-03	1.1E-02	6.0E-03	3.1E-03	2.9E-03	1.0E-03	9.5E-03	9.6E-03	7.8E-04	9.7E-03	4.6E-03	9.1E-03
4.5E-02	2.2E-01	6.2E-02	1.0E-01	1.1E-01	2.8E-02	7.4E-02	7.2E-02	2.6E-02	1.4E-01	7.4E-02	1.3E-01
4.0E-02	1.2E-01	4.4E-02	2.6E-02	4.2E-02	2.3E-02	5.4E-02	8.4E-02	4.5E-02	1.1E-01	1.2E-01	9.7E-02
6.2E-02	1.2E-01	5.7E-02	4.4E-02	5.8E-02	2.5E-02	9.4E-02	1.4E-01	2.0E-02	8.3E-02	7.3E-02	8.6E-02
0.0E+00	2.0E+01	0.0E+00	1.7E+00	4.8E+00	2.4E+00	8.8E+00	2.4E+01	0.0E+00	0.0E+00	4.4E+01	2.4E+00
0	0	0	0	12	0	14	0	0	0	58	0
0	1	1	0	1	1	2	0	0	0	3	0
0	88	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	6	15	10	28	0	0	12	0	6
0	0	0	0	9	0	8	0	0	47	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	5	0	0	50	9
0	0	0	0	0	0	0	28	0	0	57	0
0	20	0	5	0	0	20	35	0	0	40	0
0	43	0	0	23	13	14	0	0	0	44	0
0	43	0	0	0	0	0	100	0	0	100	0
0	0	0	0	0	0	0	0	0	0	100	0
15	0	0	0	0	0	0	100	0	33	0	0
4	0	0	0	0	39	0	0	29	28	0	0
0	0	0	0	15	64	0	67	45	39	0	0
0	0	0	0	50	50	0	0	67	44	0	18
0	40	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	21	0	25	0	0	0	0	0
0	0	0	0	0	0	0	0	0	33	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	9	0	0	0	0
0	0	0	0	0	0	0	9	0	0	38	0
0	0	0	0	5	0	19	0	0	0	14	0
0	0	0	0	20	0	11	0	0	0	44	0
0	0	0	0	0	0	0	0	0	0	100	0
0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	75	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	20	0	0	0	0	33	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	3	0	5	0	0	0	1	0
0	0	0	0	0	0	0	0	0	12	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0
0	0	1	0	1	0	4	0	0	0	0	0
0	0	1	0	2	0	0	0	0	0	5	0
0	0	0	0	0	0	0	0	0	0	10	0
0	0	0	0	0	0	0	0	0	0	14	0
2	0	0	0	0	0	0	0	0	0	12	0
0	0	3	0	0	0	1	0	1	0	0	3
0	0	3	0	0	2	0	11	0	0	0	0
0	0	0	0	0	5	0	0	0	0	4	0
7.3E-02	1.5E+00	1.0E-01	5.9E-02	6.4E-01	2.2E-01	6.6E-02	2.1E+00	7.2E-02	1.3E-01	1.7E+00	8.9E-01
1.6E-01	3.8E-01	4.1E-01	3.3E-01	2.4E-01	3.4E-01	1.9E-01	3.0E-01	3.0E-01	3.2E-01	1.4E-01	3.0E-01
2	2	2	2	2	2	3	4	2	2	2	2
5.5E-01	3.3E-01	-2.4E-02	2.7E-01	8.0E-01	0.0E+00	0.0E+00	4.3E-01	6.8E-01	-6.5E-02	-2.3E-02	4.3E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0131	At_F0227	At_F0457	Atpeg0016	Atpeg0123	At_F0004	At_F0263	Atpeg0082	At_F0104	At_F0480	At_F0688	At_F0562
-	-	-	NA	NA	-	-	NA	-	-	-	-
8.8E-03	1.3E-03	7.8E-03	6.4E-03	2.4E-03	1.1E-02	1.8E-03	3.9E-03	1.2E-02	3.9E-03	1.2E-02	9.2E-03
5.0E-03	2.5E-03	1.0E-02	5.8E-03	3.5E-03	5.6E-03	3.3E-03	4.2E-03	6.3E-03	8.2E-03	7.4E-03	2.2E-02
5.0E-03	1.2E-03	1.5E-02	2.9E-03	9.5E-04	3.7E-03	1.0E-02	8.3E-03	4.4E-03	4.7E-03	9.4E-03	1.9E-02
1.9E-01	3.7E-02	1.0E-01	1.2E-01	6.4E-02	1.6E-01	5.1E-02	4.1E-02	8.8E-02	5.6E-02	1.1E-01	1.5E-01
7.1E-02	3.5E-02	1.5E-01	5.1E-02	6.7E-02	9.8E-02	3.9E-02	3.2E-02	7.0E-02	5.9E-02	9.0E-02	1.2E-01
9.3E-02	3.8E-02	1.9E-01	4.1E-02	4.6E-02	7.1E-02	7.2E-02	3.1E-02	6.0E-02	4.9E-02	1.7E-01	1.1E-01
0.0E+00	0.0E+00	2.0E+01	0.0E+00	8.8E+00	4.1E+00	5.2E+00	0.0E+00	0.0E+00	0.0E+00	1.1E+01	0.0E+00
0	0	39	0	0	0	0	0	0	0	6	0
0	0	7	0	0	0	0	0	0	0	1	2
0	0	0	100	14	0	0	0	0	0	0	0
0	0	0	25	17	44	0	0	0	0	0	0
0	0	0	36	16	17	0	0	0	0	0	0
0	0	0	56	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	9	0	0	0	0	0	0	0
0	0	6	0	17	10	0	0	0	0	0	0
0	0	29	0	14	0	18	0	0	0	0	0
0	0	42	0	0	18	0	0	0	0	0	0
0	0	91	0	0	0	0	0	0	0	71	0
0	0	100	0	0	0	0	0	0	0	0	0
0	0	50	0	0	0	0	0	0	0	11	0
0	0	33	0	30	0	0	11	0	0	10	0
0	0	17	0	25	0	0	17	0	0	25	0
67	0	100	0	0	67	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	42	0	0	0	0	0	0
0	0	0	9	0	0	0	0	0	0	0	0
0	0	0	10	0	0	0	0	0	0	0	0
0	0	0	29	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	17	0	0	0	0	0	0	0	0	0
0	0	47	0	0	0	0	0	0	0	0	0
0	0	77	0	0	0	0	0	0	0	29	0
0	0	90	0	0	0	0	0	0	0	0	0
0	0	38	0	0	14	0	0	0	0	0	0
0	0	50	0	0	0	0	0	0	0	17	0
0	0	50	0	0	0	0	0	0	0	22	0
0	0	75	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	3	0	3	0	0	0	0	0	0
0	0	0	3	0	0	0	0	0	0	0	0
0	0	0	33	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	3	0	0	4	0
0	0	0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	4	0	0	0	0	0	0	0	0	3
0	0	5	0	0	0	0	0	0	0	0	0
0	0	22	0	0	0	0	0	0	0	0	0
0	0	13	0	0	0	0	0	0	0	0	0
0	0	17	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	3	0
0	0	17	0	1	0	0	0	0	0	3	0
0	0	42	0	0	0	0	0	0	0	2	0
9.5E-02	6.9E-02	2.8E-01	1.0E-01	2.0E-01	2.9E-01	6.9E-02	5.4E-01	1.0E+00	1.4E-01	2.7E-01	2.8E+00
4.4E-01	3.4E-01	3.2E-01	9.0E-01	3.1E-01	9.4E-02	3.0E-01	4.0E-02	2.6E-01	4.6E-01	2.2E-01	6.2E-01
0	2	2	0	2	2	4	2	2	2	1	0
0.0E+00	-4.0E-01	-5.0E-01	0.0E+00	1.4E-01	5.5E-01	7.1E-01	-3.5E-01	4.3E-01	4.1E-01	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0603	Atpeg0023	Atpeg0106	At_F0149	At_F0071	Atpeg0140	At_F0284	At_F0317	At_F0353	At_F0288	At_F0597	At_F0305
-	NA	NA	-	-	NA	-	-	-	-	-	-
0.0E+00	0.0E+00	6.1E-03	3.5E-03	1.2E-02	1.1E-02	8.9E-03	1.5E-02	1.4E-02	1.7E-03	9.2E-03	1.1E-02
0.0E+00	0.0E+00	2.8E-03	3.8E-03	6.7E-03	4.3E-03	4.9E-03	1.2E-02	1.9E-02	3.3E-03	1.0E-02	4.7E-03
0.0E+00	0.0E+00	5.1E-03	4.4E-03	8.3E-03	1.2E-02	6.4E-03	1.0E-02	1.1E-02	3.2E-03	4.8E-03	8.0E-03
0.0E+00	0.0E+00	7.6E-02	1.1E-01	1.1E-01	1.1E-01	8.5E-02	2.0E-01	1.6E-01	3.3E-02	1.5E-01	8.8E-02
0.0E+00	0.0E+00	5.8E-02	1.1E-01	7.4E-02	5.9E-02	6.4E-02	1.4E-01	1.2E-01	4.2E-02	1.0E-01	7.7E-02
0.0E+00	0.0E+00	8.3E-02	1.1E-01	9.6E-02	9.0E-02	8.1E-02	9.8E-02	1.2E-01	3.5E-02	5.3E-02	7.6E-02
0.0E+00	0.0E+00	0.0E+00	4.4E+00	5.6E+00	2.8E+00	2.3E+00	6.6E+00	0.0E+00	0.0E+00	1.0E+01	1.3E+01
0	0	0	3	0	0	0	0	0	0	0	13
0	0	0	0	0	1	0	1	1	0	1	2
0	0	0	0	0	0	0	0	0	0	56	100
0	0	0	0	0	0	5	0	0	0	8	29
0	0	0	38	0	0	0	0	0	0	0	0
0	0	0	100	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	11	0	0	0	0
0	0	0	18	7	0	0	0	0	0	50	85
0	0	35	0	0	0	5	0	0	0	6	0
0	0	0	0	12	0	0	5	0	0	0	0
0	0	0	0	0	15	0	0	0	0	0	0
0	0	0	33	25	0	17	67	0	0	33	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	100	0	60	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	71
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	11	0	0	0	0	0	0	0	0
0	0	0	33	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	63
0	0	0	6	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	28	3	0	0	0	0	0	6	17
0	0	0	0	0	0	0	0	3	0	3	0
0	0	0	3	0	0	0	2	0	0	0	0
0	0	0	9	0	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4	14
0	0	0	0	0	0	0	2	2	0	1	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	3	0
0.0E+00	0.0E+00	4.0E-01	1.8E+00	7.7E-01	9.9E-02	4.1E-01	3.8E-01	2.0E-01	6.4E-02	3.1E-01	7.9E-02
8.9E-02	3.0E-01	3.4E-01	2.6E-01	2.4E-01	2.1E-01	4.5E-01	2.2E-01	5.1E-01	1.6E-01	1.9E-01	2.3E-01
2	2	2	3	2	3	0	2	0	0	2	1
0.0E+00	0.0E+00	-1.6E-01	-1.1E+00	8.1E-02	9.7E-02	0.0E+00	-1.0E+00	0.0E+00	0.0E+00	-1.4E-01	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
Atpeg0137	At_F0009	At_F0050	At_F0057	At_F0070	At_F0096	At_F0162	At_F0169	At_F0181	At_F0206	At_F0209	At_F0253
NA	-	-	-	-	-	-	-	-	-	-	-
1.7E-03	1.8E-02	4.8E-03	4.2E-03	5.1E-03	9.8E-03	2.7E-03	1.1E-02	5.3E-03	1.4E-02	1.5E-03	1.4E-02
1.5E-03	1.1E-02	1.4E-03	2.7E-03	4.4E-03	6.6E-03	4.1E-03	6.3E-03	1.2E-03	3.6E-03	4.7E-03	6.7E-03
1.8E-03	4.0E-03	9.0E-04	2.6E-03	3.0E-03	1.2E-02	3.2E-03	8.9E-03	4.0E-03	1.1E-02	3.8E-03	1.3E-02
2.9E-02	1.6E-01	5.6E-02	4.4E-02	9.3E-02	1.1E-01	4.6E-02	9.4E-02	4.0E-02	1.6E-01	2.2E-02	2.1E-01
3.7E-02	5.9E-02	4.9E-02	4.1E-02	5.3E-02	8.1E-02	3.4E-02	6.2E-02	2.5E-02	4.1E-02	4.1E-02	7.0E-02
3.9E-02	5.4E-02	2.6E-02	5.4E-02	5.1E-02	1.2E-01	4.2E-02	7.1E-02	5.1E-02	6.4E-02	3.2E-02	1.2E-01
0.0E+00	0.0E+00	0.0E+00	1.7E+01	0.0E+00	0.0E+00	0.0E+00	7.7E+00	0.0E+00	4.4E+00	0.0E+00	0.0E+00
0	0	0	4	0	2	0	6	0	0	0	0
0	0	0	1	0	0	0	0	0	1	0	0
0	0	0	25	0	0	0	100	80	0	0	80
0	0	0	22	0	0	0	0	14	9	0	73
0	0	0	13	0	0	0	0	0	15	0	40
0	0	0	27	0	0	0	0	0	0	0	0
0	0	0	50	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0	0
0	0	0	17	0	0	0	13	0	6	0	0
0	0	5	17	0	0	0	0	0	18	0	0
0	0	0	56	0	0	0	75	0	0	0	0
0	0	0	0	0	0	0	0	0	50	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	25	0	0	33	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	20	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	0	67
0	0	0	0	0	0	0	0	0	0	0	10
0	0	0	10	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	9	0	7	0	7	0	0	0	0
0	0	0	0	0	0	0	14	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	10	0	0	0
0	0	0	0	0	0	0	0	0	3	0	42
0	0	0	0	0	0	0	0	0	0	0	15
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0	0
0	0	0	0	0	0	0	0	5	0	0	0
0	0	0	0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	5	0	0	0	0
1.0E+00	3.8E-01	3.7E-01	6.8E-02	8.5E-02	7.0E-01	4.9E-01	8.5E-02	1.5E-01	1.3E-01	3.1E-01	6.9E-01
9.7E-02	4.5E-01	4.3E-01	3.3E-01	1.6E-01	2.1E-01	2.0E-01	2.3E-01	3.5E-01	3.2E-01	2.6E-01	2.5E-01
0	3	2	2	2	0	0	2	2	2	2	2
0.0E+00	-5.7E-01	-2.6E+00	-5.0E-01	4.9E-02	0.0E+00	0.0E+00	-1.3E-01	8.2E-01	5.6E-02	5.1E-01	5.1E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low	Specific_Low
At_F0260	At_F0311	At_F0395	At_F0413	At_F0439	At_F0523	At_F0568	At_F0571	At_F0610	At_F0632	At_F0638	At_F0642
-	-	-	-	-	-	-	-	-	bm	-	bm
5.2E-03	2.5E-03	2.3E-03	3.0E-03	1.0E-02	9.6E-03	1.3E-03	1.4E-03	1.3E-02	2.3E-03	5.3E-03	1.4E-02
4.0E-03	3.0E-03	3.0E-03	3.1E-03	2.3E-03	7.7E-03	1.1E-03	1.1E-03	4.6E-03	2.4E-03	8.0E-03	8.9E-03
2.0E-03	1.7E-03	2.1E-03	7.2E-03	2.7E-03	1.3E-02	3.9E-03	1.0E-03	6.0E-03	3.2E-03	3.3E-03	2.1E-03
4.6E-02	4.4E-02	4.3E-02	5.9E-02	1.6E-01	1.5E-01	3.1E-02	4.3E-02	1.6E-01	3.8E-02	7.2E-02	1.3E-01
6.0E-02	3.2E-02	3.6E-02	4.4E-02	6.1E-02	6.9E-02	3.4E-02	2.2E-02	5.5E-02	3.9E-02	4.5E-02	1.1E-01
4.3E-02	3.9E-02	4.1E-02	5.9E-02	5.2E-02	1.2E-01	5.2E-02	2.9E-02	5.6E-02	5.1E-02	6.8E-02	4.3E-02
0.0E+00	1.7E+01	5.5E+00	9.6E+00	2.6E+00	0.0E+00	0.0E+00	1.2E+01	5.3E+00	3.5E+01	1.0E+01	3.0E+01
0	2	0	0	0	0	0	5	0	0	0	4
0	0	0	0	0	0	0	3	1	0	0	1
0	0	0	0	100	100	0	0	100	100	0	75
0	0	11	0	33	36	0	0	56	71	0	22
0	0	0	0	50	0	0	0	33	0	0	50
0	0	45	8	0	0	0	0	0	0	15	13
0	0	0	57	0	0	0	40	0	0	0	100
0	0	33	0	0	0	0	83	0	77	20	60
0	18	0	0	0	0	0	8	0	35	6	50
0	32	0	18	5	0	0	0	0	32	18	13
0	8	3	18	7	0	0	0	20	50	0	67
0	40	3	11	0	0	0	0	43	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0
0	0	10	0	0	20	0	0	0	0	0	0
0	0	50	44	0	0	0	0	0	0	0	0
50	0	0	86	0	0	0	0	0	0	0	0
0	14	0	0	100	50	0	0	100	11	0	0
0	0	0	0	50	0	0	0	36	0	0	0
0	0	0	0	0	0	0	0	33	0	0	6
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	33	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	11
0	0	2	0	0	0	0	0	0	0	0	0
0	4	0	5	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	35	13	0	0	33	0	4	0
0	0	0	0	2	16	2	0	2	0	0	0
0	0	0	0	0	2	0	0	1	0	0	0
0	0	0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	16	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	7	0	0	0	0	0	2	0	0	3
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	0	0	0	0	0
1.5E-01	7.9E-02	7.2E-01	1.8E-01	2.5E-01	7.2E-01	2.1E-01	7.5E-01	7.2E-01	2.5E-01	6.8E-02	2.0E+00
3.2E-01	3.8E-01	6.6E-01	4.5E-01	4.0E-01	9.1E-01	1.5E+00	2.0E-01	2.1E-01	2.4E-01	3.7E-01	3.3E-01
3	3	2	2	2	2	0	3	2	2	2	2
0.0E+00	3.1E-01	5.6E-01	-1.5E-01	6.1E-01	5.5E-01	0.0E+00	2.4E-01	7.9E-01	1.6E-01	-1.5E-01	-3.8E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Low	Specific_Low	Specific_Low	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
Atpeg0058	Atpeg0084	Atpeg0110	At_F0005	At_F0007	At_F0012	At_F0014	At_F0023	At_F0032	At_F0034	At_F0037
NA	NA	NA	-	-	-	-	-	-	-	-
3.3E-03	5.5E-03	5.0E-03	5.0E-03	1.4E-02	1.9E-03	1.7E-02	2.7E-03	2.9E-03	5.4E-03	7.4E-03
3.0E-03	7.1E-03	8.4E-03	4.2E-03	6.5E-03	3.1E-03	6.8E-03	4.5E-03	3.0E-03	4.7E-03	1.4E-03
2.9E-03	3.1E-03	4.3E-03	5.6E-03	4.4E-03	4.0E-03	3.5E-03	6.0E-03	1.9E-03	9.2E-03	9.6E-03
4.5E-02	7.9E-02	1.1E-01	1.3E-01	9.4E-02	5.3E-02	1.3E-01	7.4E-02	4.5E-02	5.4E-02	6.0E-02
7.0E-02	6.0E-02	1.1E-01	8.0E-02	6.0E-02	5.1E-02	7.4E-02	5.1E-02	6.1E-02	5.4E-02	2.3E-02
6.2E-02	4.2E-02	9.6E-02	1.5E-01	6.0E-02	5.6E-02	1.2E-01	8.5E-02	4.3E-02	8.2E-02	6.3E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	6.1E+00	3.6E+01	0.0E+00	3.7E+01	2.3E+01	0.0E+00	3.8E+00
0	0	0	0	4	57	0	36	9	0	0
1	0	0	0	5	2	1	1	7	0	0
0	0	0	0	0	0	100	0	0	0	0
0	0	0	0	0	0	0	0	38	0	0
0	0	0	0	0	0	0	0	21	0	7
0	0	0	0	0	0	0	0	54	0	0
0	0	0	0	0	0	0	67	0	0	0
10	0	0	0	0	0	0	100	0	0	0
6	0	0	0	0	31	0	44	36	0	0
0	0	0	0	24	48	0	47	18	0	15
0	0	0	0	0	67	0	22	50	0	0
0	0	0	0	0	75	0	0	0	0	0
0	0	0	100	0	0	0	0	0	0	0
0	0	0	11	0	0	0	56	0	0	0
0	0	18	0	0	0	14	33	0	0	0
0	0	0	0	0	0	17	9	7	0	0
0	0	0	60	0	0	25	0	0	0	0
0	0	0	0	0	0	100	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	14	0	0
0	0	0	0	25	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	33	0	0	0
0	0	0	0	0	36	0	25	0	0	0
0	0	0	0	5	33	0	24	14	0	0
0	0	0	0	0	71	0	10	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	8	0	0	30	0	0	0
0	0	14	0	0	0	0	0	0	0	0
0	0	0	11	0	0	13	0	0	0	0
0	0	0	33	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	14	0	0
0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	2	0	0	0
0	0	0	0	11	0	0	0	12	0	0
0	0	0	0	0	6	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	31	0	0	40	0	0	0	0
2	0	0	0	1	0	6	2	0	0	0
0	0	6	0	1	0	0	3	0	0	0
0	0	0	2	0	0	4	0	0	0	0
0	0	0	0	0	0	62	0	0	0	0
2.7E-01	3.4E-01	2.2E-01	4.9E-01	2.0E-01	1.2E-01	2.5E-01	1.9E-01	4.7E-02	3.5E-01	9.9E-02
3.1E-01	2.3E-01	1.2E-01	2.4E-01	4.8E-02	1.9E-01	5.6E-01	1.9E-01	1.1E-01	5.1E-01	6.2E-01
1	2	2	2	2	2	3	2	2	3	2
0.0E+00	7.8E-01	4.8E-01	-1.3E+00	-1.1E-01	-1.2E+00	2.8E-01	6.8E-02	2.1E-01	2.2E-01	5.7E-01
0.0E+00	0.0E+00	0.0E+00	1.3E+01	1.5E+01	1.2E+01	4.2E+00	1.2E+01	2.3E+00	4.3E+00	4.6E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0038	At_F0044	At_F0049	At_F0056	At_F0060	At_F0061	At_F0066	At_F0082	At_F0092	At_F0093	At_F0098
-	-	-	-	bm	-	-	-	-	-	-
1.6E-03	2.2E-03	1.1E-02	9.0E-03	1.7E-03	1.7E-03	8.8E-03	2.2E-03	1.1E-02	6.7E-03	7.5E-03
9.4E-04	1.3E-03	3.0E-03	9.7E-03	6.8E-04	2.8E-03	5.4E-03	2.8E-03	9.8E-03	1.1E-02	9.4E-03
2.1E-03	4.2E-03	7.5E-03	1.2E-02	7.9E-04	3.8E-03	2.5E-03	3.5E-03	1.5E-02	7.7E-03	2.9E-03
4.4E-02	5.2E-02	2.0E-01	1.2E-01	4.5E-02	2.9E-02	1.2E-01	4.0E-02	9.7E-02	1.1E-01	5.9E-02
2.7E-02	3.8E-02	5.8E-02	1.2E-01	4.2E-02	4.3E-02	1.0E-01	3.1E-02	9.6E-02	9.0E-02	9.5E-02
4.6E-02	5.3E-02	1.5E-01	1.4E-01	4.4E-02	4.0E-02	6.3E-02	6.8E-02	8.8E-02	8.9E-02	6.2E-02
0.0E+00	8.0E+00	3.8E+00	2.6E+00	2.7E+01	2.0E+01	0.0E+00	4.3E+00	1.2E+01	1.1E+01	2.8E+01
0	0	0	0	0	35	0	0	9	5	50
0	1	0	0	2	8	0	0	0	1	7
0	0	0	40	0	0	0	0	50	0	0
0	0	0	0	0	40	0	0	0	0	0
0	0	17	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	100
0	0	0	0	40	0	0	0	0	0	100
0	0	0	14	29	44	0	0	0	6	55
0	8	0	0	32	35	0	0	0	6	7
0	29	19	0	8	8	0	13	33	29	0
0	0	0	0	67	0	0	67	71	8	0
0	40	67	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	20	0	0	0
0	0	29	0	0	0	0	0	50	0	0
0	0	0	0	43	0	0	0	100	0	0
0	0	0	0	0	0	0	0	20	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	67
0	0	0	0	0	0	0	0	0	0	100
0	0	0	0	0	25	0	0	0	0	60
0	0	0	0	0	29	0	0	0	0	0
0	0	0	0	0	0	0	0	7	10	0
0	0	0	0	0	0	0	0	29	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	83	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	46
0	3	0	0	5	0	0	0	0	0	37
0	0	0	0	0	8	0	0	0	0	4
0	0	0	0	2	7	0	0	0	0	0
0	0	0	0	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	16	0	0	0	0	36	0	0	3
0	0	0	0	0	0	0	0	0	0	0
1.4E-01	7.4E-02	3.7E-01	1.9E+00	8.7E-02	1.1E-01	7.7E-01	5.0E-02	1.8E-01	1.4E-01	8.4E-01
2.3E-01	4.1E-01	1.5E-01	1.8E-01	1.1E-01	1.9E-01	1.7E-01	3.6E-01	3.3E-01	5.8E-02	3.3E-01
2	2	2	0	0	2	0	2	2	2	0
9.7E-01	7.3E-01	-2.8E-01	0.0E+00	0.0E+00	-2.2E+00	0.0E+00	2.8E-02	3.8E-01	-7.0E-02	0.0E+00
9.6E+00	2.0E+00	2.0E+00	1.1E+01	1.0E+01	6.1E+00	4.2E+00	4.4E+00	2.8E+00	1.9E+00	7.9E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0099	At_F0100	At_F0106	At_F0107	At_F0111	At_F0121	At_F0126	At_F0127	At_F0135	At_F0137	At_F0141
-	-	-	-	-	-	bm	-	-	-	-
9.4E-03	1.9E-03	6.5E-03	8.9E-04	1.3E-03	2.0E-03	9.3E-04	6.4E-03	4.9E-03	2.0E-03	1.2E-02
6.2E-03	3.3E-03	2.1E-03	1.7E-03	1.5E-03	1.5E-03	5.7E-03	8.9E-03	6.5E-03	5.1E-03	7.4E-03
6.6E-03	9.2E-04	7.0E-03	3.0E-03	1.5E-03	5.2E-03	6.6E-03	4.4E-03	1.0E-02	8.8E-03	8.6E-03
8.9E-02	4.5E-02	6.1E-02	2.7E-02	4.6E-02	3.2E-02	2.0E-02	1.3E-01	6.5E-02	4.2E-02	1.2E-01
6.8E-02	4.2E-02	6.0E-02	3.9E-02	3.9E-02	2.5E-02	5.8E-02	6.2E-02	6.3E-02	6.0E-02	6.0E-02
1.1E-01	2.7E-02	9.4E-02	5.3E-02	2.6E-02	6.2E-02	5.2E-02	6.5E-02	6.5E-02	8.5E-02	8.8E-02
3.5E+00	0.0E+00	3.4E+00	0.0E+00	9.6E+00	0.0E+00	2.7E+01	0.0E+00	0.0E+00	6.0E+00	0.0E+00
0	0	0	0	0	0	16	0	0	0	0
1	0	0	0	0	0	3	0	0	0	0
80	0	0	0	0	0	0	50	0	25	0
0	0	12	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	80	0	0	0
0	0	0	0	0	0	10	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	20	0	0	0	0	0	0	60	0
0	0	0	0	0	0	21	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0
0	0	0	0	38	0	62	0	0	0	0
60	0	0	0	67	0	17	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	17
38	0	25	0	11	0	0	14	0	0	0
14	0	0	0	10	0	0	0	0	20	0
17	0	0	0	75	0	0	0	25	25	0
0	0	0	0	0	0	0	100	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	18
71	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	10	2	0	7	0	0	0
0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
0	0	4	0	0	0	0	3	0	0	0
12	0	0	0	0	0	0	0	2	0	11
8	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1.1E+00	7.2E-02	1.2E-01	7.8E-02	7.1E-02	3.9E-01	6.3E-02	2.4E-01	9.9E-01	1.0E+00	5.8E-02
2.3E-01	3.1E-01	2.4E-01	2.7E-01	3.0E-01	4.9E-02	2.4E-01	2.0E-01	2.8E-01	4.9E-01	3.3E-01
2	0	0	2	0	2	3	2	1	0	1
6.3E-01	0.0E+00	0.0E+00	1.2E-01	0.0E+00	8.3E-01	3.8E-01	-2.3E-01	0.0E+00	0.0E+00	0.0E+00
1.2E+01	1.3E+01	3.3E+00	6.3E+00	9.4E+00	1.6E+01	1.6E+01	1.2E+01	4.8E+00	8.3E+00	4.1E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0145	At_F0147	At_F0148	At_F0156	At_F0163	At_F0173	At_F0176	At_F0180	At_F0191	At_F0193	At_F0197
-	-	-	-	-	-	-	-	-	-	-
5.7E-03	1.0E-02	2.9E-03	3.2E-03	1.9E-03	4.1E-03	7.1E-03	9.9E-03	4.1E-03	3.5E-03	2.2E-03
4.0E-03	7.3E-03	2.4E-03	5.9E-03	3.6E-03	2.5E-03	6.7E-03	2.8E-03	1.1E-03	1.0E-02	2.1E-03
3.3E-03	1.0E-02	1.0E-02	2.2E-03	1.5E-02	2.1E-03	1.0E-02	1.7E-03	5.0E-03	7.1E-03	1.3E-03
4.8E-02	1.5E-01	5.6E-02	7.3E-02	5.4E-02	9.3E-02	1.5E-01	7.1E-02	7.2E-02	1.0E-01	4.7E-02
4.0E-02	7.5E-02	4.3E-02	7.4E-02	7.3E-02	5.6E-02	1.5E-01	3.6E-02	3.5E-02	1.1E-01	5.1E-02
3.1E-02	1.4E-01	8.1E-02	6.4E-02	2.4E-01	5.2E-02	1.0E-01	2.7E-02	3.1E-02	9.3E-02	3.7E-02
0.0E+00	1.1E+00	0.0E+00	5.0E+01	0.0E+00	0.0E+00	4.0E+00	0.0E+00	3.7E+00	1.4E+00	0.0E+00
0	0	0	71	0	0	0	0	0	0	0
0	0	1	9	0	0	0	0	0	0	1
0	0	0	0	0	17	0	0	83	0	0
0	0	0	0	0	0	0	0	22	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	27	0	0	33	0
0	0	0	0	0	0	0	0	0	0	8
0	0	0	100	0	0	0	0	38	8	0
0	0	0	55	0	0	17	0	0	0	0
0	5	0	36	0	0	0	0	0	0	0
0	0	0	50	0	0	0	0	0	0	0
0	0	0	100	0	0	0	0	0	0	0
0	60	0	100	0	0	0	0	0	0	0
0	24	0	30	0	0	0	0	0	0	0
0	0	0	0	18	0	0	14	0	0	0
0	0	0	0	57	0	0	40	0	0	0
0	0	0	20	100	6	0	60	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	50	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	25	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	67	0	0	0	0	0	0	0
0	0	0	17	0	0	0	0	0	0	0
0	0	0	22	0	0	0	0	0	0	0
0	0	0	47	0	0	0	0	0	0	0
0	0	0	86	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0
0	0	0	0	21	0	0	0	0	0	0
0	0	0	0	57	0	0	0	0	0	0
0	0	0	0	100	0	0	0	0	0	0
0	4	0	0	0	4	0	0	10	0	0
0	0	0	0	0	0	0	0	0	5	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	14	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	5	0	0	0	0	0	0	0
0	0	0	6	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	1
0	0	0	4	0	0	0	0	0	0	0
0	0	3	17	0	0	0	0	0	0	0
0	0	0	6	0	0	0	0	0	0	0
0	0	0	9	0	0	0	0	2	0	0
0	0	0	0	12	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	35	0	0	0	0	5	0
7.5E-02	6.1E-02	2.6E-01	3.0E-01	6.6E-01	1.2E-01	3.8E-01	1.4E-01	8.9E-02	2.5E-01	1.0E-01
3.1E-01	2.6E-01	3.0E-01	5.0E-02	1.2E-01	3.2E-01	1.5E-01	3.0E-01	2.5E-01	1.5E-01	2.9E-01
2	0	3	2	2	2	4	1	3	2	2
0.0E+00	0.0E+00	-9.3E-01	3.5E-02	6.0E-01	8.3E-01	0.0E+00	0.0E+00	-2.5E-01	5.3E-01	-1.3E+00
4.6E+00	7.9E+00	6.3E+00	5.0E+00	1.8E+01	9.3E+00	4.3E+00	3.5E+00	9.2E+00	1.6E+00	1.7E+01

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0215	At_F0216	At_F0217	At_F0222	At_F0237	At_F0242	At_F0247	At_F0248	At_F0261	At_F0280	At_F0285
-	-	-	-	-	-	-	-	-	-	-
8.5E-03	6.7E-03	7.5E-03	5.3E-03	7.7E-03	8.4E-03	5.6E-03	5.0E-03	8.1E-03	9.9E-03	2.8E-03
4.7E-03	4.4E-03	2.7E-03	3.8E-03	7.0E-03	4.2E-03	1.8E-03	4.0E-03	2.9E-03	1.1E-02	3.6E-03
2.5E-03	3.7E-03	5.9E-03	6.0E-03	5.2E-03	7.8E-03	2.2E-03	4.6E-03	2.6E-03	7.8E-03	7.4E-03
1.1E-01	5.8E-02	1.0E-01	8.5E-02	9.6E-02	1.6E-01	5.2E-02	6.6E-02	1.7E-01	1.3E-01	4.4E-02
4.8E-02	5.0E-02	5.0E-02	7.5E-02	7.9E-02	6.9E-02	2.4E-02	3.9E-02	6.2E-02	9.8E-02	6.9E-02
8.7E-02	5.6E-02	8.4E-02	8.0E-02	1.0E-01	6.0E-02	3.6E-02	7.3E-02	7.0E-02	8.2E-02	9.6E-02
3.3E+00	3.0E+00	1.5E+01	1.0E+01	1.4E+00	0.0E+00	1.5E+00	0.0E+00	0.0E+00	1.5E+01	3.8E+00
0	6	0	0	0	9	4	0	4	3	0
1	0	0	0	1	4	0	1	0	1	0
33	0	0	0	0	0	0	0	0	20	17
0	0	0	0	67	0	0	0	67	43	0
0	0	0	0	0	0	10	0	7	0	6
0	0	13	0	0	0	0	0	0	9	24
0	0	27	0	0	0	0	0	0	60	0
0	0	16	0	0	0	0	0	0	0	0
0	0	25	22	6	0	0	0	0	44	0
0	0	0	18	0	0	0	0	0	0	4
15	25	11	0	0	0	11	0	0	8	13
0	0	50	0	0	0	0	0	0	50	0
0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	20	0
45	0	0	0	0	0	0	26	0	0	0
0	0	0	25	43	0	0	10	0	40	0
0	0	0	0	0	89	0	0	0	0	0
0	0	0	0	0	0	0	0	100	0	13
0	0	0	0	0	0	0	0	50	0	0
0	0	0	0	0	0	9	0	0	5	0
0	0	0	0	0	17	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	5	0	0	0	15	0	0	0	0	0
0	7	0	0	0	0	11	0	11	7	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0
0	0	0	0	0	0	0	2	7	0	0
1	0	0	0	0	0	0	0	6	0	0
0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4	0
0	0	0	0	3	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	2	0	2	0	0	0
0	0	0	0	0	0	0	0	0	4	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	4	0	2	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
1.5E-01	3.5E-02	4.0E-01	9.2E-02	2.4E-01	2.0E-01	2.5E-01	6.1E-01	7.9E-02	6.6E-01	3.2E-01
1.8E-01	7.0E-02	4.2E-01	5.4E-02	2.2E-01	6.5E-01	2.0E-01	3.3E-01	3.8E-01	3.3E-01	2.0E-01
0	2	2	2	2	0	2	2	2	2	2
0.0E+00	-2.1E+00	3.1E-01	9.0E-03	-7.2E-01	0.0E+00	-1.8E-01	-3.3E-01	-3.7E-01	0.0E+00	1.7E-01
2.2E+01	2.7E+00	1.4E+01	6.5E+00	1.2E+01	7.8E+00	5.2E+00	8.4E+00	1.0E+01	1.6E+01	2.3E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0287	At_F0293	At_F0294	At_F0295	At_F0300	At_F0309	At_F0315	At_F0329	At_F0330	At_F0355	At_F0366
-	-	-	-	-	-	-	-	-	-	-
7.6E-03	6.5E-03	1.5E-02	5.6E-03	6.7E-03	3.5E-03	2.3E-03	2.9E-03	1.2E-03	5.7E-03	6.6E-03
9.6E-03	5.1E-03	9.9E-03	3.2E-03	8.3E-03	2.7E-03	7.9E-04	2.7E-03	4.7E-03	4.9E-03	2.7E-03
6.9E-03	4.7E-03	7.8E-03	2.1E-03	4.8E-03	8.7E-03	1.4E-03	1.4E-03	2.3E-03	6.6E-03	3.2E-03
9.0E-02	7.4E-02	1.1E-01	6.9E-02	9.4E-02	4.8E-02	4.8E-02	6.0E-02	3.0E-02	7.5E-02	6.2E-02
1.2E-01	7.1E-02	8.7E-02	6.3E-02	8.6E-02	3.7E-02	2.3E-02	3.4E-02	5.2E-02	7.8E-02	6.8E-02
1.3E-01	1.3E-01	1.0E-01	4.9E-02	8.9E-02	5.5E-02	3.2E-02	3.5E-02	3.6E-02	8.6E-02	5.9E-02
0.0E+00	0.0E+00	4.7E+00	0.0E+00	0.0E+00	8.6E-01	0.0E+00	0.0E+00	1.1E+01	1.3E+00	6.0E+00
0	0	0	0	0	0	3	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	20	0	0
0	0	17	0	0	0	0	0	31	0	6
0	0	0	0	0	0	0	0	25	0	0
0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	17	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	19	0	8
0	0	0	0	0	0	0	0	33	0	13
0	0	0	0	0	11	0	0	20	8	13
0	0	0	0	0	0	0	0	0	0	0
0	8	0	0	0	0	0	0	38	0	0
0	9	0	0	0	0	0	23	20	24	0
0	0	0	0	15	0	0	30	22	22	0
0	50	0	0	45	0	0	100	0	25	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
0	13	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	4	0
0	0	0	8	14	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	4	0	0	2
0	13	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1.0E+00	1.4E+00	5.7E-01	2.9E-01	1.8E+00	2.6E-01	2.7E-01	6.1E-02	8.2E-02	8.0E-02	1.8E+00
2.2E-01	1.2E-01	2.3E-01	1.1E-01	1.3E-01	2.1E-02	3.1E-01	9.8E-02	4.3E-02	2.4E-01	3.7E-01
2	2	2	0	2	0	0	2	2	1	2
6.0E-02	4.6E-01	4.3E-01	0.0E+00	2.2E-01	0.0E+00	0.0E+00	-1.2E+00	-1.5E+00	0.0E+00	9.2E-01
8.2E+00	1.0E+01	4.1E+00	1.2E+01	1.6E+00	1.1E+01	1.0E+01	6.4E+00	8.1E+00	8.3E+00	7.7E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0371	At_F0373	At_F0379	At_F0380	At_F0383	At_F0389	At_F0404	At_F0405	At_F0430	At_F0447	At_F0449
-	-	bm	-	-	-	-	-	-	-	-
9.6E-03	5.4E-03	1.4E-03	2.4E-03	7.5E-03	5.3E-03	4.9E-03	1.0E-02	9.9E-04	1.3E-02	1.2E-03
6.4E-03	1.5E-02	2.6E-03	4.9E-03	1.3E-02	1.3E-03	3.8E-03	2.2E-03	3.4E-04	6.1E-03	4.5E-03
1.3E-02	1.3E-02	1.7E-03	4.3E-03	1.4E-02	2.4E-03	2.0E-03	1.2E-03	2.3E-05	1.0E-02	3.7E-03
1.2E-01	9.0E-02	3.4E-02	3.4E-02	9.1E-02	7.1E-02	5.3E-02	6.1E-02	3.5E-02	1.3E-01	2.8E-02
1.3E-01	9.8E-02	4.1E-02	4.3E-02	1.5E-01	2.9E-02	3.5E-02	3.6E-02	1.2E-02	8.7E-02	3.8E-02
1.3E-01	9.0E-02	3.3E-02	4.6E-02	1.3E-01	3.1E-02	3.5E-02	1.7E-02	3.0E-03	7.5E-02	3.8E-02
0.0E+00	0.0E+00	2.1E+01	5.7E+00	4.8E+01	2.4E+00	0.0E+00	0.0E+00	0.0E+00	4.5E+00	0.0E+00
0	0	14	0	75	0	0	0	0	0	0
1	0	8	0	18	0	0	0	0	0	0
0	0	17	0	25	0	0	33	0	25	80
0	0	0	0	17	0	0	0	60	7	56
0	0	14	0	44	0	0	27	0	6	0
0	0	43	0	38	0	0	0	0	0	0
0	0	50	67	80	33	0	0	0	0	0
0	0	71	0	100	7	0	0	0	27	0
0	0	9	0	54	31	0	0	0	6	0
0	0	0	17	31	4	0	0	0	0	0
0	0	27	0	60	0	0	0	0	0	0
0	0	75	0	100	0	0	0	0	0	0
0	20	0	0	100	0	0	0	0	0	0
0	0	0	0	17	0	0	0	0	0	0
0	15	20	0	17	50	0	0	0	0	0
0	10	50	36	31	33	10	22	0	0	33
29	63	67	0	100	100	71	80	0	0	67
0	0	0	0	43	0	0	0	0	0	0
0	0	0	0	30	0	0	0	0	0	0
0	0	0	0	20	0	0	0	0	0	0
0	0	0	0	50	0	0	0	0	0	0
0	0	0	0	33	33	0	0	0	0	0
0	0	57	0	63	0	0	0	0	0	0
0	0	0	0	27	0	0	0	0	0	0
0	0	0	0	29	0	0	0	0	0	0
0	0	0	0	33	0	0	0	0	0	0
0	0	0	0	100	0	0	0	0	0	0
0	0	0	0	67	0	0	0	0	0	0
0	0	0	0	25	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	83	0	0	0	0	0	0
13	0	4	0	7	0	0	0	0	0	0
0	0	0	0	11	0	0	0	0	0	0
0	0	0	0	6	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	5	6	0	0	0	0	0
0	0	33	0	19	3	0	0	0	0	0
0	0	2	0	10	0	0	0	0	0	0
1	0	0	0	2	0	0	0	0	0	0
0	0	0	0	8	0	0	0	0	0	0
5	0	0	0	27	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	2	2	0	0	0	0	0
0	0	0	1	1	0	0	0	0	0	0
0	0	0	0	7	0	0	0	0	0	0
6	0	0	0	21	0	0	4	0	0	0
6.1E-01	4.5E-01	4.8E-01	2.3E-01	3.6E-01	5.3E-01	4.4E+00	6.3E-02	1.2E+00	1.5E+00	5.7E-02
1.7E-01	1.8E-01	3.8E-01	3.7E-01	3.9E-01	5.0E-01	1.7E-01	1.6E-01	4.0E-01	2.4E-01	2.2E-01
2	2	0	1	0	3	0	2	2	3	2
-2.8E+00	-5.0E-02	0.0E+00	0.0E+00	0.0E+00	-6.8E-01	0.0E+00	4.9E-01	1.0E+00	8.3E-02	-2.5E-01
6.9E+00	4.2E+00	2.6E+00	3.1E+01	3.3E+00	6.6E+00	1.4E+01	2.6E+00	2.1E+00	9.1E+00	6.3E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0450	At_F0452	At_F0454	At_F0459	At_F0463	At_F0484	At_F0489	At_F0491	At_F0501	At_F0536	At_F0554
-	-	-	-	-	-	-	-	-	-	-
1.1E-02	2.1E-03	3.6E-03	2.7E-03	4.6E-03	2.6E-03	4.1E-03	6.0E-03	7.2E-03	5.6E-03	3.5E-03
1.1E-02	2.9E-03	7.0E-03	2.1E-03	4.0E-03	8.4E-04	3.4E-03	7.1E-03	6.8E-03	6.7E-03	7.0E-04
4.1E-03	2.4E-03	9.7E-03	1.8E-03	6.3E-03	2.0E-03	4.6E-03	6.4E-03	4.1E-03	6.8E-03	2.4E-03
9.3E-02	4.9E-02	5.9E-02	5.8E-02	6.6E-02	6.5E-02	6.6E-02	1.3E-01	7.6E-02	9.7E-02	5.5E-02
9.3E-02	5.4E-02	5.6E-02	5.5E-02	4.4E-02	3.6E-02	6.2E-02	1.0E-01	6.0E-02	9.8E-02	3.6E-02
1.2E-01	7.2E-02	8.2E-02	4.0E-02	6.5E-02	4.0E-02	7.4E-02	1.1E-01	6.5E-02	1.1E-01	4.0E-02
8.3E+00	0.0E+00	0.0E+00	0.0E+00	1.1E+00	0.0E+00	2.9E+01	3.4E+01	0.0E+00	4.3E+01	7.1E+00
0	0	0	0	0	0	55	27	0	50	0
2	1	0	0	1	0	3	1	0	1	0
0	0	0	0	0	0	100	85	0	100	0
0	0	0	0	0	0	13	47	0	33	7
0	0	0	0	0	0	17	27	0	22	6
11	0	0	0	0	0	50	40	0	57	9
50	0	0	0	0	0	100	50	0	67	0
0	0	0	0	0	0	58	78	0	100	33
0	0	0	0	0	0	41	34	0	43	5
14	0	0	0	5	0	10	21	0	50	4
0	0	0	0	0	0	0	0	0	0	7
50	0	0	0	0	0	100	100	0	100	0
38	0	0	0	0	0	100	100	0	0	0
48	0	0	40	0	20	0	0	0	13	0
11	0	0	18	0	29	0	0	0	45	0
46	0	0	33	0	0	0	0	0	38	0
28	0	0	33	0	29	0	0	0	100	17
0	0	0	0	0	0	67	0	0	0	0
0	0	0	0	0	0	14	8	0	0	0
0	0	0	0	0	0	18	15	0	10	0
0	0	0	0	0	0	42	29	0	25	0
0	0	0	0	0	0	100	33	0	67	0
0	0	0	0	0	0	56	17	0	100	0
0	0	0	0	0	0	52	27	0	0	0
0	0	0	0	0	0	13	15	0	25	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	50	25	0	50	0
29	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	25	0
8	0	0	0	0	0	0	0	0	13	0
60	0	0	0	0	0	0	0	0	0	0
33	0	14	0	0	0	0	0	0	75	0
0	0	0	0	0	0	15	5	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	1	0
0	0	0	0	0	0	3	2	0	0	0
4	0	0	0	0	0	5	0	0	3	0
0	0	0	0	4	0	2	2	0	0	0
0	2	0	0	0	0	5	1	0	0	0
0	0	0	0	0	0	2	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	7	0
3	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	6	0
7	0	0	0	0	0	0	0	0	1	0
12	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	8	0
2.8E-01	3.2E-01	7.1E-02	8.3E-02	2.0E-01	1.2E+00	1.9E+00	2.2E-01	4.8E-02	2.7E-01	1.3E-01
3.6E-01	1.0E-01	2.9E-01	3.3E-01	2.2E-01	3.0E-01	6.6E-02	7.8E-02	2.8E-01	1.5E-01	3.9E-01
0	2	3	0	2	2	2	2	2	0	0
0.0E+00	-1.9E+00	-2.6E+00	0.0E+00	7.2E-01	1.0E+00	2.7E-01	5.2E-01	-1.5E-02	0.0E+00	0.0E+00
6.2E+00	1.2E+01	4.0E+00	5.9E+00	7.1E+00	8.5E+00	3.0E+00	3.0E+00	6.7E+00	1.8E+01	3.3E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0561	At_F0565	At_F0593	At_F0594	At_F0595	At_F0598	At_F0621	At_F0622	At_F0624	At_F0630	At_F0645
-	-	-	-	-	-	-	-	-	-	-
6.0E-03	9.3E-03	0.0E+00	0.0E+00	0.0E+00	1.8E-03	5.1E-03	1.2E-02	8.8E-03	2.3E-03	4.1E-03
6.2E-03	1.7E-02	0.0E+00	0.0E+00	0.0E+00	1.0E-03	1.3E-02	4.4E-03	2.7E-03	2.1E-03	5.5E-03
6.9E-03	1.0E-02	0.0E+00	0.0E+00	0.0E+00	9.8E-04	3.2E-03	7.4E-03	1.2E-02	4.6E-03	3.6E-03
8.7E-02	4.2E-02	0.0E+00	0.0E+00	0.0E+00	6.3E-02	1.1E-01	1.0E-01	6.8E-02	4.1E-02	3.5E-02
6.0E-02	6.0E-02	0.0E+00	0.0E+00	0.0E+00	3.4E-02	1.4E-01	4.8E-02	5.7E-02	3.9E-02	4.9E-02
5.5E-02	5.6E-02	0.0E+00	0.0E+00	0.0E+00	4.7E-02	7.9E-02	5.2E-02	8.4E-02	5.5E-02	6.5E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	7.6E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	9.4E+00
0	0	0	0	0	0	0	0	0	0	21
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	17	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	17	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	16
0	0	0	0	0	0	0	0	0	0	82
0	0	0	0	0	0	0	0	0	0	100
0	0	0	0	0	0	0	0	0	0	33
0	0	0	0	0	9	0	0	0	0	10
0	0	0	0	0	0	0	11	22	0	75
0	0	0	0	0	0	50	50	80	0	100
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	36
0	0	0	0	0	0	0	0	0	0	75
0	0	0	0	0	0	0	0	0	0	100
0	0	0	0	0	0	0	0	0	0	22
0	0	0	0	0	0	0	0	0	0	36
0	0	0	0	0	0	0	0	29	0	40
0	0	0	0	0	0	0	0	0	0	33
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	25
0	0	0	0	0	0	2	2	0	0	4
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	12
0	0	0	0	0	6	0	0	0	0	7
7.5E-02	1.7E-01	0.0E+00	0.0E+00	0.0E+00	1.0E-01	3.2E+00	3.2E-01	6.9E-02	1.6E+00	2.2E-01
2.4E-01	1.5E-01	8.9E-02	8.9E-02	8.9E-02	2.9E-01	6.3E-02	2.1E-01	2.0E-01	1.4E-01	6.9E-02
3	0	2	2	2	2	2	2	2	4	0
1.4E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.0E+00	2.6E-01	4.3E-01	-1.0E+00	0.0E+00	0.0E+00
1.7E+00	5.5E+00	5.8E+02	5.8E+02	5.8E+02	7.5E+00	1.0E+00	3.4E+00	5.0E+00	1.1E+00	1.5E+01

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0659	At_F0660	At_F0670	At_F0675	At_F0691	At_F0694	At_F0707	At_F0006	At_F0015	At_F0017	At_F0019
-	-	-	-	-	-	-	-	-	-	-
3.3E-03	8.2E-03	8.8E-03	9.3E-03	5.2E-03	3.1E-03	6.5E-03	7.4E-03	5.8E-03	7.1E-03	6.7E-03
3.1E-03	3.4E-03	6.2E-03	1.7E-03	5.8E-03	5.7E-03	8.3E-03	4.3E-03	2.6E-03	3.2E-03	7.9E-03
1.1E-02	4.0E-03	1.0E-02	4.6E-03	5.9E-03	1.9E-02	1.5E-02	3.2E-03	4.5E-03	4.1E-03	1.8E-03
6.6E-02	7.7E-02	1.1E-01	1.4E-01	5.8E-02	6.1E-02	1.4E-01	6.5E-02	5.3E-02	6.7E-02	1.0E-01
4.5E-02	6.3E-02	7.1E-02	3.7E-02	4.3E-02	6.1E-02	6.6E-02	5.5E-02	3.3E-02	4.1E-02	8.7E-02
8.8E-02	5.5E-02	9.5E-02	5.8E-02	4.3E-02	1.8E-01	1.2E-01	6.2E-02	4.2E-02	5.0E-02	3.4E-02
0.0E+00	4.8E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.1E+00	6.3E+00	0.0E+00	0.0E+00	1.7E+01
0	0	0	0	0	0	0	0	0	0	7
0	0	1	1	0	1	1	0	2	0	1
0	0	0	0	0	11	9	0	0	0	0
0	0	0	0	0	0	0	0	0	0	10
0	0	0	0	0	0	0	24	0	25	20
0	0	38	0	0	0	0	0	0	0	10
0	0	0	0	0	0	0	20	0	0	0
0	0	0	0	0	0	9	0	0	0	0
0	0	0	0	0	0	0	0	0	0	19
0	0	0	0	0	0	0	5	0	0	3
0	21	0	0	0	0	0	25	0	0	4
0	20	0	0	0	0	0	14	0	0	59
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	33	0	0	0	0	11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	44	0	0	0	0	0
0	0	0	0	0	100	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	13
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	9
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	80	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	12	1
0	0	0	0	0	0	0	0	0	0	0
0	0	4	6	4	0	3	0	3	5	0
0	0	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	7	0	1
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	5	0	4	3	0	0	0	0
0	0	0	0	0	0	0	0	0	4	2
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	2	0
0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	10	5	0	0	0	4
7.4E-02	1.6E-01	4.5E-01	8.6E-02	1.2E-01	6.4E-02	2.9E-01	9.7E-01	1.6E-01	9.2E-02	4.2E-01
1.5E-01	2.8E-01	3.0E-01	1.1E-01	1.5E-01	2.3E-01	2.9E-01	4.3E-02	9.3E-01	2.0E-01	4.0E-01
2	3	0	2	2	3	2	2	3	0	1
1.7E-01	3.2E-01	0.0E+00	-4.5E-01	-4.2E-01	-1.6E+00	-1.0E+00	4.7E-01	-3.4E-02	0.0E+00	0.0E+00
2.1E+01	8.0E+00	4.7E+00	1.0E+01	2.0E+00	1.0E+01	4.7E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0020	At_F0021	At_F0022	At_F0026	At_F0028	At_F0031	At_F0035	At_F0041	At_F0042	At_F0046	At_F0047
-	-	-	-	-	bm	-	-	-	-	-
1.1E-02	9.4E-03	1.2E-02	1.5E-02	7.1E-03	6.2E-03	8.0E-03	4.8E-03	8.5E-03	0.0E+00	0.0E+00
1.3E-02	5.8E-03	9.2E-03	7.3E-03	8.9E-03	1.0E-02	1.7E-02	3.0E-03	9.5E-03	0.0E+00	0.0E+00
5.1E-03	1.2E-03	2.1E-02	6.6E-03	4.9E-03	7.3E-03	1.1E-02	7.6E-03	1.7E-03	0.0E+00	0.0E+00
9.4E-02	1.3E-01	8.0E-02	1.5E-01	9.9E-02	6.4E-02	7.3E-02	7.4E-02	1.2E-01	0.0E+00	0.0E+00
1.1E-01	9.3E-02	5.0E-02	9.3E-02	8.6E-02	8.3E-02	8.6E-02	3.9E-02	7.5E-02	0.0E+00	0.0E+00
8.9E-02	3.6E-02	1.2E-01	8.5E-02	1.0E-01	1.0E-01	7.9E-02	5.7E-02	3.8E-02	0.0E+00	0.0E+00
2.3E+00	4.4E+01	2.0E+00	0.0E+00	1.4E+01	2.4E+01	3.9E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00
0	70	3	0	24	27	56	0	0	0	0
0	21	0	0	2	4	13	0	0	0	0
60	0	56	0	0	100	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
7	25	0	0	0	0	0	0	25	0	0
0	33	0	0	0	0	0	0	67	0	0
0	100	0	0	0	0	0	0	0	0	0
11	100	0	0	0	0	67	0	0	0	0
0	73	4	0	45	73	47	0	0	0	0
0	30	0	0	21	18	24	0	0	0	0
0	14	0	0	0	29	52	0	0	0	0
0	100	14	0	0	20	44	0	0	0	0
0	0	60	43	0	0	0	0	0	0	0
0	0	57	0	0	54	0	0	0	0	0
0	0	14	0	0	18	0	0	0	0	0
0	0	26	0	0	0	0	0	40	0	0
0	0	100	0	0	0	0	43	100	0	0
0	0	33	0	0	0	0	0	0	0	0
0	20	25	0	0	0	0	0	0	0	0
0	21	0	0	0	0	0	0	23	0	0
0	45	0	0	0	0	0	0	56	0	0
0	100	0	0	0	0	0	0	0	0	0
0	86	0	0	0	0	40	0	0	0	0
0	33	7	0	14	14	42	0	0	0	0
0	36	0	0	27	31	21	0	0	0	0
0	33	0	0	0	0	40	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0
0	0	100	0	0	0	0	0	0	0	0
0	0	29	0	0	0	0	0	0	0	0
0	0	13	0	0	0	0	0	0	0	0
0	0	17	0	0	0	0	0	0	0	0
0	0	56	0	0	0	0	0	0	0	0
0	0	17	0	0	0	0	4	0	0	0
0	20	12	0	0	0	0	0	0	0	0
0	7	0	0	0	0	0	0	8	0	0
0	4	0	0	0	0	0	0	12	0	0
0	43	0	0	0	0	0	0	0	0	0
0	31	0	0	0	3	31	0	0	0	0
0	10	0	0	0	0	6	0	0	0	0
0	6	0	0	3	5	4	0	0	0	0
0	8	0	0	0	0	5	0	0	0	0
0	12	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	2	2	0	1	0	0	0	0	0
0	1	4	0	1	0	0	0	0	0	0
0	0	14	0	0	0	0	0	1	0	0
0	0	57	0	0	0	0	0	3	0	0
6.9E-01	9.4E-02	3.7E-01	2.9E-01	5.9E-01	1.6E-01	9.7E-01	1.4E-01	2.3E+00	0.0E+00	0.0E+00
3.2E-01	8.3E-02	3.9E-01	3.5E-01	1.7E-01	1.6E-01	2.1E-01	2.3E-01	3.9E-01	2.9E-01	2.9E-01
0	2	2	2	2	2	4	2	0	1	1
0.0E+00	-1.4E+00	-9.0E-01	-1.6E-01	-5.0E-02	7.3E-01	4.7E-01	2.8E-01	0.0E+00	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0051	At_F0053	At_F0054	At_F0059	At_F0067	At_F0069	At_F0080	At_F0083	At_F0087	At_F0088	At_F0089
-	-	-	-	-	bm	-	-	-	-	-
7.4E-03	1.1E-02	2.1E-03	2.7E-03	3.1E-04	1.0E-02	4.7E-03	8.4E-03	3.9E-03	2.2E-03	4.8E-03
5.4E-03	8.4E-03	1.1E-02	1.6E-03	1.2E-03	3.4E-03	2.8E-03	5.3E-03	8.0E-03	1.6E-03	4.3E-03
1.0E-02	6.5E-03	2.4E-03	4.2E-03	5.9E-03	4.1E-03	6.7E-03	9.7E-03	3.1E-03	2.2E-03	3.4E-03
1.1E-01	7.9E-02	4.9E-02	7.9E-02	2.0E-02	8.2E-02	5.1E-02	1.3E-01	8.0E-02	5.0E-02	9.8E-02
5.9E-02	1.0E-01	1.9E-01	5.6E-02	2.9E-02	4.0E-02	2.8E-02	9.0E-02	9.7E-02	3.9E-02	9.2E-02
1.1E-01	1.6E-01	4.2E-02	7.0E-02	6.2E-02	4.5E-02	4.9E-02	1.8E-01	6.8E-02	5.0E-02	7.5E-02
1.2E+00	0.0E+00	3.9E+01	4.5E+00	0.0E+00	1.8E+01	0.0E+00	9.7E+00	0.0E+00	0.0E+00	1.4E+01
0	0	89	0	0	12	0	21	0	0	4
1	0	37	0	4	3	1	7	0	0	1
0	0	0	0	50	0	0	89	0	0	0
44	0	0	0	38	0	0	20	0	0	0
44	0	0	0	27	47	0	67	0	0	0
60	11	0	0	40	0	0	0	0	0	0
0	0	100	0	0	0	0	0	0	0	0
0	0	100	0	0	50	0	0	0	0	60
6	0	22	0	0	0	0	8	0	0	31
0	0	32	0	0	28	0	27	0	0	0
0	0	33	5	0	20	0	18	0	0	0
0	0	50	12	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	17	0	0	0
7	0	0	0	0	0	11	0	0	0	0
0	14	0	0	0	0	0	0	0	0	0
0	100	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	17	0	0	0	0	0
0	0	0	0	0	14	0	0	0	0	0
0	0	29	0	0	0	0	0	0	0	0
0	0	100	0	0	0	0	0	0	0	0
0	0	40	0	0	0	0	0	0	0	11
0	0	22	0	0	7	0	35	0	0	0
0	0	57	0	0	20	0	0	0	0	0
0	0	67	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	8	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
14	50	0	0	0	0	0	33	0	0	0
0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	2	0	0	0	0
20	0	0	0	0	6	0	0	0	0	0
15	3	0	0	0	0	0	0	0	0	0
0	0	4	0	0	0	0	0	0	0	0
4	0	58	0	50	0	0	0	0	0	3
0	0	0	0	0	0	0	2	0	0	0
0	0	8	0	0	5	1	10	0	0	0
0	0	48	0	0	0	0	0	0	0	0
0	0	8	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	2
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	7	0	0	0	0	0	0	0	0	0
8.4E-02	3.5E-01	1.8E-01	1.6E-01	7.8E-01	5.7E-02	9.9E-02	2.1E+00	2.2E-01	1.1E+00	7.3E-02
3.0E-01	2.3E-01	2.4E-01	4.2E-01	2.0E-01	2.9E-01	1.5E-01	2.8E-01	5.1E-02	2.3E-01	4.3E-01
2	2	0	2	0	2	2	2	0	0	2
6.1E-01	-3.3E-01	0.0E+00	-8.4E-01	0.0E+00	8.1E-01	6.1E-01	-3.5E+00	0.0E+00	0.0E+00	8.5E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0090	At_F0101	At_F0105	At_F0120	At_F0124	At_F0128	At_F0130	At_F0133	At_F0140	At_F0143	At_F0151
-	-	-	-	-	-	-	-	-	-	-
5.2E-03	9.8E-03	2.9E-03	1.1E-02	6.3E-03	1.1E-02	4.1E-03	1.2E-02	8.7E-03	6.9E-03	1.4E-02
2.5E-03	6.2E-03	5.0E-03	5.2E-03	5.4E-03	9.4E-03	2.9E-03	4.6E-03	2.8E-03	4.1E-03	5.9E-03
1.6E-03	6.1E-03	1.3E-02	3.8E-03	4.5E-03	1.1E-02	2.2E-03	6.7E-03	2.6E-03	4.7E-03	4.6E-03
1.1E-01	7.9E-02	9.4E-02	1.6E-01	8.6E-02	1.3E-01	8.2E-02	1.3E-01	6.7E-02	5.5E-02	9.8E-02
4.6E-02	7.2E-02	9.5E-02	5.8E-02	1.0E-01	1.0E-01	5.4E-02	5.5E-02	4.8E-02	4.0E-02	7.8E-02
5.1E-02	5.5E-02	7.7E-02	6.1E-02	7.7E-02	1.5E-01	5.9E-02	7.3E-02	4.6E-02	5.0E-02	7.3E-02
1.8E+01	0.0E+00	0.0E+00	3.8E+00	2.2E+01	3.2E+00	1.7E+00	6.8E+00	0.0E+00	1.7E+00	5.0E+00
5	0	0	3	16	0	0	0	0	0	0
4	0	0	0	1	1	0	0	0	0	1
0	0	0	100	33	0	0	67	0	0	0
50	0	0	33	28	0	0	20	0	0	0
0	0	0	9	50	0	0	31	0	0	0
29	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	14	0	0	0	0	0	0
0	0	0	0	17	0	0	0	0	0	15
28	0	0	0	32	7	0	5	0	0	0
0	0	0	0	36	5	0	14	0	20	8
0	0	0	33	0	0	50	25	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	20	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
0	0	14	0	0	17	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	14	17	50	25	0	0	67	0	0	0
0	0	0	38	7	0	0	0	0	0	0
0	0	0	0	10	0	0	17	0	6	0
33	0	0	8	0	0	0	0	11	0	0
0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	33	0	0	0	0	0	0
0	0	0	7	6	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0	0
0	0	0	5	20	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	12	21	0	0	0	24	0	0	7
6	0	0	22	0	0	0	0	0	0	0
0	0	0	7	0	0	0	6	0	1	0
16	2	0	11	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1.4E-01	3.9E-01	2.5E+00	4.6E-02	2.5E-01	1.2E+00	1.3E-01	5.5E-02	5.4E-02	1.4E-01	1.4E-01
4.6E-01	5.0E-01	2.2E-02	1.2E-01	1.5E-01	3.1E-01	5.2E-01	2.2E-01	1.8E-01	4.3E-01	2.2E-01
2	2	0	2	2	2	2	3	2	2	2
6.2E-01	-1.6E+00	0.0E+00	0.0E+00	-1.7E-01	5.7E-01	-2.7E+00	7.9E-01	4.8E-01	3.9E-01	-5.2E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0157	At_F0160	At_F0165	At_F0170	At_F0174	At_F0175	At_F0186	At_F0196	At_F0198	At_F0199	At_F0200
-	-	-	-	-	-	-	-	-	-	-
2.4E-03	3.7E-03	4.5E-03	1.7E-02	7.8E-03	3.4E-03	6.1E-03	1.5E-02	1.3E-02	4.9E-03	2.6E-03
4.5E-03	1.5E-03	5.0E-03	5.4E-03	7.8E-03	5.9E-03	3.2E-03	9.1E-03	7.4E-03	3.5E-03	4.3E-03
2.4E-03	2.7E-03	2.8E-03	2.9E-03	4.8E-03	1.0E-02	4.1E-03	4.5E-03	1.2E-02	5.8E-03	1.4E-03
6.4E-02	7.7E-02	5.1E-02	9.7E-02	5.2E-02	4.5E-02	5.5E-02	8.7E-02	1.6E-01	1.1E-01	5.5E-02
7.7E-02	6.9E-02	6.1E-02	6.2E-02	5.4E-02	4.1E-02	4.0E-02	1.1E-01	9.5E-02	7.7E-02	3.8E-02
6.7E-02	9.2E-02	5.0E-02	9.2E-02	3.1E-02	6.6E-02	4.1E-02	7.6E-02	1.1E-01	1.2E-01	2.8E-02
0.0E+00	5.9E+00	0.0E+00	0.0E+00	2.6E+01	0.0E+00	1.6E+00	5.0E+01	2.5E+00	7.6E+00	3.3E+00
0	0	0	0	22	0	0	86	0	0	0
1	0	1	1	1	0	1	20	0	0	0
0	0	0	0	0	0	0	100	86	0	0
0	0	0	0	0	0	0	45	56	8	0
0	0	0	0	0	0	0	29	0	0	0
0	20	0	0	0	0	0	53	8	50	0
0	100	0	0	0	0	0	100	0	0	0
0	0	0	0	33	0	9	100	0	0	0
0	0	0	0	11	0	0	45	0	8	0
0	0	0	0	22	0	0	27	6	0	0
0	14	0	0	62	0	0	56	11	40	0
0	100	0	0	0	0	0	100	0	0	6
0	100	0	0	0	0	0	100	0	0	0
0	27	0	0	0	0	0	0	0	75	0
0	13	0	8	23	0	27	0	0	0	0
0	0	0	0	40	0	17	50	0	0	0
50	0	0	0	40	0	67	75	0	57	88
0	0	0	0	0	0	0	100	86	0	0
0	0	0	0	0	0	0	42	0	0	0
0	0	0	0	0	0	0	36	25	0	0
0	0	0	0	0	0	0	63	0	0	0
0	0	0	0	0	0	0	100	0	0	0
0	0	0	0	0	0	0	100	0	0	0
0	0	0	0	0	0	0	58	0	0	0
0	0	0	0	10	0	0	20	0	0	0
0	0	0	0	38	0	0	60	0	0	0
0	0	0	0	0	0	0	100	0	0	0
0	0	0	0	0	0	0	100	0	0	0
0	25	0	0	0	0	0	0	0	0	0
0	6	0	0	5	0	0	5	0	0	0
0	0	0	0	0	0	0	20	0	0	0
0	0	0	0	0	0	0	27	0	0	0
0	0	0	0	0	0	0	8	10	0	0
1	0	0	0	0	0	0	20	0	0	0
0	0	0	0	0	0	0	4	8	0	0
0	0	0	0	0	0	0	11	0	0	0
0	0	4	0	0	0	0	28	0	0	0
0	0	0	3	0	0	3	12	0	0	0
1	0	0	0	2	0	0	15	0	0	0
0	0	0	0	1	0	0	6	0	0	0
0	0	0	0	0	0	0	11	0	0	0
0	0	4	0	0	0	0	26	0	0	0
0	0	0	0	0	0	0	5	0	0	4
3	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	2	2	0	0
0	0	0	0	0	0	0	2	0	0	2
0	0	0	0	0	0	0	6	0	0	0
2.3E-01	3.5E-01	6.8E-02	3.6E-01	3.8E-01	4.2E-01	1.0E-01	6.1E-01	4.8E-01	1.9E-01	5.8E-01
1.6E-01	6.0E-02	2.1E-01	1.7E-01	2.6E-01	3.2E-01	3.0E-01	5.8E-02	5.6E-02	5.7E-01	8.0E-01
2	0	2	2	0	0	2	2	2	2	0
4.3E-01	0.0E+00	-2.0E-02	4.1E-01	0.0E+00	0.0E+00	6.2E-01	3.3E-01	-5.3E-01	5.7E-01	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0204	At_F0226	At_F0235	At_F0245	At_F0251	At_F0256	At_F0259	At_F0262	At_F0265	At_F0266	At_F0274
-	-	-	-	-	-	-	-	-	-	-
1.8E-03	1.8E-03	7.2E-04	1.6E-02	5.9E-03	4.8E-03	1.7E-03	3.1E-03	1.3E-03	2.8E-03	3.3E-03
5.3E-03	4.3E-03	4.5E-04	1.5E-02	1.0E-02	4.9E-03	2.3E-03	2.0E-03	3.7E-03	2.5E-03	1.6E-03
8.5E-03	2.7E-03	1.1E-03	1.5E-02	1.4E-02	2.4E-03	1.3E-03	3.1E-03	1.9E-03	6.2E-03	5.0E-03
4.4E-02	3.7E-02	3.5E-02	1.5E-01	9.0E-02	7.1E-02	6.1E-02	4.3E-02	1.8E-02	5.4E-02	5.6E-02
5.2E-02	7.4E-02	2.7E-02	1.3E-01	9.6E-02	5.7E-02	4.1E-02	4.7E-02	3.8E-02	4.7E-02	3.5E-02
7.7E-02	4.8E-02	4.3E-02	2.0E-01	9.6E-02	4.6E-02	3.1E-02	4.8E-02	3.3E-02	6.5E-02	5.4E-02
0.0E+00	3.9E+01	0.0E+00	2.5E+00	1.3E+00	0.0E+00	1.3E+00	0.0E+00	4.8E+00	0.0E+00	0.0E+00
0	27	0	0	0	0	3	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0
0	100	0	100	0	0	0	0	0	0	0
0	54	0	60	0	0	10	0	0	0	0
0	33	0	20	6	0	0	0	0	0	0
0	67	0	33	0	0	0	0	0	0	0
0	50	0	0	0	0	0	0	0	0	0
0	17	0	0	0	0	0	0	22	0	0
0	58	0	0	0	0	0	0	0	0	0
0	33	0	0	5	0	0	0	0	0	0
0	77	0	0	0	0	11	0	0	0	0
0	33	0	29	0	0	0	0	14	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	23	0	0	0	0	0	0	50	0	0
17	10	0	75	0	0	0	0	50	100	0
0	50	0	0	0	0	0	0	50	0	0
0	22	0	25	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	0
0	20	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	25	0	0	0	0	0	0	0	0	0
0	23	0	0	0	0	8	0	0	0	0
0	11	0	0	0	0	0	0	0	0	0
0	17	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	13	0
0	0	0	33	0	0	0	0	0	33	0
0	11	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	2	2	1	0	0
0	3	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	4	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0
1	2	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	7	0	0	0	0	0	4	0	0
0	0	0	0	0	0	0	0	0	0	2
0	1	0	0	0	0	0	0	0	0	0
0	2	0	0	2	0	0	0	0	2	0
0	0	0	3	0	0	0	16	0	25	0
8.9E-02	2.7E-01	1.0E-01	3.0E-01	1.4E+00	1.5E-01	8.2E-02	1.7E-01	8.6E-02	6.4E-02	7.9E-02
5.2E-01	2.0E-01	1.6E-01	4.8E-01	1.3E-01	2.4E-01	1.9E-01	1.4E-01	4.1E-01	1.8E-01	3.0E-01
2	2	0	3	3	2	2	0	0	2	2
-1.3E+00	9.9E-02	0.0E+00	3.6E-01	3.4E-01	5.9E-01	6.7E-01	0.0E+00	0.0E+00	-3.7E+00	3.4E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0275	At_F0282	At_F0289	At_F0292	At_F0299	At_F0319	At_F0324	At_F0327	At_F0335	At_F0342	At_F0363
-	-	-	-	-	-	-	-	-	-	-
1.2E-02	6.0E-03	5.9E-03	3.7E-03	5.2E-03	1.4E-03	3.1E-03	4.0E-03	4.4E-03	7.3E-03	1.4E-02
3.4E-03	1.6E-03	5.1E-03	4.7E-03	3.9E-03	1.3E-03	3.4E-03	2.7E-03	4.8E-03	2.1E-03	6.4E-03
2.5E-03	5.7E-03	4.2E-03	9.5E-03	3.6E-03	8.1E-03	1.8E-03	7.3E-03	2.4E-03	4.5E-03	1.2E-02
1.6E-01	9.0E-02	9.9E-02	1.2E-01	4.5E-02	1.8E-02	5.0E-02	8.5E-02	4.7E-02	5.2E-02	1.2E-01
5.7E-02	3.1E-02	4.7E-02	6.7E-02	6.2E-02	1.3E-02	5.5E-02	8.7E-02	5.5E-02	4.0E-02	9.4E-02
8.8E-02	6.8E-02	6.2E-02	1.1E-01	4.6E-02	4.6E-02	5.2E-02	1.9E-01	5.7E-02	5.0E-02	1.0E-01
4.7E+00	3.0E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.2E+01	2.1E+00	4.9E+00	1.3E+00	0.0E+00
0	56	0	0	0	0	8	0	0	0	0
1	6	0	0	0	0	2	0	0	0	0
75	60	0	0	0	0	0	0	0	0	0
55	83	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	12
17	50	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	33	0	0	0
0	0	0	0	0	0	0	0	10	0	0
0	38	0	0	0	0	0	0	0	6	0
0	25	0	0	0	0	25	9	14	0	0
0	13	0	0	0	0	40	0	0	0	0
63	100	0	0	0	0	0	0	0	0	0
50	100	0	0	0	0	0	0	0	0	0
0	14	0	0	0	0	0	0	0	0	0
38	9	29	0	0	0	0	0	0	0	0
71	50	7	0	0	33	0	0	0	0	0
0	25	0	0	0	0	9	67	0	0	0
50	17	0	0	0	0	0	0	0	0	0
23	38	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	7	0	0	0	0	0	0	0	0	0
0	32	0	0	0	0	13	0	0	0	0
0	21	0	0	0	0	0	0	0	0	0
0	80	0	0	0	0	0	0	0	0	0
0	100	0	0	0	0	0	0	0	0	0
0	70	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	22	0	0	0	0	0	0	0	0	0
0	29	0	0	0	0	0	0	0	0	0
0	4	0	0	0	0	0	0	0	0	0
32	4	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0
0	4	0	0	0	0	4	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0
0	13	0	0	0	0	0	0	0	0	0
0	23	0	0	0	10	0	0	0	0	0
0	5	0	0	0	0	0	0	0	0	0
0	2	0	2	0	0	0	0	1	0	0
0	6	0	0	0	0	0	0	0	0	0
0	10	0	0	0	0	0	35	0	0	0
6.6E-02	1.0E-01	6.0E-02	1.6E-01	0.0E+00	7.8E-02	2.1E-01	2.6E-01	4.5E-02	1.1E-01	6.6E-01
2.2E-01	1.9E-01	1.9E-01	8.9E-02	2.9E-01	2.4E-01	1.6E-01	1.3E-01	8.3E-02	3.6E-01	2.0E-01
2	3	2	2	2	4	2	3	2	2	2
-1.2E+00	7.1E-01	4.2E-01	4.1E-01	-1.6E-01	-6.3E-01	-2.5E-01	3.2E-01	-3.3E-01	1.9E-01	5.3E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0378	At_F0381	At_F0385	At_F0392	At_F0393	At_F0399	At_F0400	At_F0401	At_F0415	At_F0419	At_F0432
-	-	-	-	-	bm	-	-	-	-	-
5.5E-03	1.2E-02	2.8E-03	1.5E-02	1.8E-03	3.3E-03	1.1E-02	5.4E-03	4.9E-03	4.5E-03	2.5E-03
6.3E-03	2.0E-03	2.9E-03	6.4E-03	1.9E-03	1.9E-03	8.7E-03	1.0E-02	9.4E-03	9.6E-03	2.5E-03
8.4E-03	6.4E-03	9.5E-04	2.3E-03	3.4E-03	2.7E-03	3.9E-03	1.3E-02	1.1E-02	1.8E-02	1.0E-03
7.9E-02	8.0E-02	4.7E-02	1.0E-01	5.3E-02	7.7E-02	5.5E-02	8.7E-02	9.4E-02	4.6E-02	4.2E-02
7.0E-02	4.0E-02	6.3E-02	6.6E-02	4.6E-02	4.5E-02	5.9E-02	1.2E-01	1.4E-01	4.8E-02	3.7E-02
1.5E-01	6.5E-02	2.1E-02	5.0E-02	4.7E-02	5.3E-02	1.2E-01	1.1E-01	1.2E-01	7.9E-02	3.6E-02
0.0E+00	0.0E+00	0.0E+00	1.7E+00	0.0E+00	2.5E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2	0	0	0	0	12	5	0	3	0	0
1	0	0	0	0	2	2	0	2	0	0
0	0	0	50	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	38	0	0	0	0	0
0	0	0	0	0	80	0	0	0	0	0
0	0	0	13	0	83	0	0	0	0	0
0	0	0	0	0	56	0	0	0	0	0
0	0	0	0	0	16	0	0	0	0	0
0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	25	0	0	0	17	0	0	0	0
75	0	0	0	0	0	11	0	0	0	0
67	0	4	0	0	0	50	0	0	0	0
0	25	31	0	0	0	73	0	0	0	0
0	100	40	0	0	0	50	0	0	0	0
0	0	0	0	0	0	0	0	17	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	50	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	100	33	0	0	0	0
8	0	0	0	0	100	0	0	0	0	0
0	0	0	0	0	0	0	0	11	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	40	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	21	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0
0	0	0	0	0	0	91	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	17	0	0	0	1	0
0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	22	9	0	0	0	0
2	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	6	0	9	0	0
0	0	0	0	0	0	11	0	0	0	0
42	0	0	0	0	2	2	0	0	0	0
3	0	0	0	1	0	11	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
0	7	0	0	0	5	21	0	0	0	0
5.5E-01	8.2E-02	3.0E+00	5.3E-02	1.4E-01	2.2E-01	4.8E+00	1.2E+00	2.1E-01	2.4E-01	1.0E-01
3.8E-01	1.7E-01	3.9E-01	6.5E-02	4.3E-01	6.0E-02	1.3E-01	2.6E-01	1.6E-01	3.7E-01	2.8E-01
2	2	0	0	1	0	0	0	0	0	2
5.5E-01	1.3E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.7E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0436	At_F0444	At_F0448	At_F0455	At_F0458	At_F0462	At_F0464	At_F0471	At_F0481	At_F0494	At_F0503
-	-	-	-	-	-	-	-	-	-	-
7.6E-03	1.1E-03	1.1E-02	3.7E-03	4.8E-03	7.4E-03	4.0E-03	6.5E-03	1.7E-03	2.2E-03	1.2E-02
2.7E-03	2.4E-03	1.0E-02	4.3E-03	3.1E-03	2.9E-03	5.6E-03	3.8E-03	4.8E-04	6.0E-03	7.3E-03
5.1E-03	4.2E-03	1.5E-02	4.1E-03	4.2E-03	3.5E-03	3.4E-03	4.5E-03	7.9E-04	6.0E-03	1.0E-02
6.5E-02	2.8E-02	9.5E-02	7.8E-02	6.0E-02	8.7E-02	6.3E-02	1.5E-01	3.6E-02	6.1E-02	1.1E-01
6.1E-02	2.8E-02	8.0E-02	5.3E-02	6.4E-02	5.4E-02	5.3E-02	7.4E-02	3.3E-02	6.1E-02	7.9E-02
5.5E-02	5.2E-02	1.2E-01	1.1E-01	8.5E-02	6.1E-02	5.6E-02	8.0E-02	3.8E-02	7.8E-02	1.8E-01
1.2E+01	4.8E+00	0.0E+00	6.4E+00	0.0E+00	0.0E+00	0.0E+00	4.2E+00	1.4E+00	1.4E+00	7.9E+00
11	0	0	0	0	0	0	4	0	0	0
2	2	0	1	0	1	0	1	1	0	0
0	0	0	0	0	0	0	100	0	0	0
0	11	0	0	17	0	0	0	0	0	0
0	18	0	0	0	0	0	0	0	5	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	18	0	0	0
0	0	0	8	0	0	0	0	6	6	23
10	7	0	0	0	0	0	0	0	0	13
0	22	0	6	0	0	0	0	0	0	0
100	0	0	0	0	0	0	13	0	0	0
100	0	0	0	0	0	0	0	0	0	0
0	0	0	50	0	0	0	0	0	0	0
0	0	0	0	21	0	0	0	0	0	17
0	0	0	0	0	0	10	0	0	0	20
0	0	0	0	0	0	0	0	0	0	100
0	0	0	0	0	0	0	75	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	8	0	0	0
50	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0
0	0	13	11	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	11	22
0	0	0	0	0	0	0	0	0	0	14
0	0	0	0	0	0	0	0	0	0	100
0	5	0	0	0	0	0	12	0	0	0
0	0	0	0	8	2	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	4	0	3	0	4	0	0	0	0	0
0	0	0	2	0	0	0	2	0	0	0
0	2	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	4	0	0
0	0	0	6	0	0	0	0	0	0	0
0	0	0	5	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5	17
0	2	0	0	0	0	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	100
3.1E-01	7.1E-02	8.3E-01	7.0E-01	7.4E-02	2.4E-01	1.4E+00	3.9E-01	8.8E-01	7.9E-02	9.3E-01
2.5E-01	2.3E-01	3.5E-01	2.8E-01	2.3E-01	3.2E-01	1.4E-01	1.9E-01	4.3E-01	4.2E-01	2.5E-01
2	2	2	2	2	2	4	0	2	2	2
8.5E-01	-7.8E-02	2.0E-01	-3.6E-01	-5.5E-01	7.5E-02	4.5E-01	0.0E+00	-6.2E-01	3.2E-01	-5.2E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0504	At_F0512	At_F0513	At_F0517	At_F0521	At_F0524	At_F0528	At_F0546	At_F0550	At_F0551	At_F0567
-	-	-	-	-	-	-	-	-	-	-
6.1E-03	1.0E-02	2.7E-03	1.6E-03	2.5E-03	6.3E-03	3.6E-03	4.7E-03	2.2E-03	3.8E-03	1.5E-03
7.4E-03	9.9E-03	8.3E-03	3.2E-03	1.4E-03	1.0E-02	1.6E-03	4.7E-03	3.6E-03	4.1E-03	4.1E-03
3.1E-03	6.9E-03	6.1E-03	4.5E-03	2.1E-03	7.0E-03	2.9E-03	2.3E-03	1.8E-03	5.9E-03	4.5E-03
1.0E-01	9.4E-02	5.4E-02	3.6E-02	3.8E-02	1.0E-01	4.9E-02	5.5E-02	3.7E-02	6.2E-02	4.7E-02
1.6E-01	1.0E-01	9.4E-02	4.3E-02	4.1E-02	8.7E-02	4.1E-02	6.1E-02	6.2E-02	4.7E-02	4.4E-02
5.5E-02	9.7E-02	1.1E-01	4.9E-02	4.6E-02	6.8E-02	5.7E-02	4.6E-02	4.1E-02	1.2E-01	5.8E-02
4.7E+01	0.0E+00	8.5E-01	1.6E+00	0.0E+00	0.0E+00	5.0E+00	2.4E+01	1.2E+01	1.3E+00	0.0E+00
74	0	0	0	0	0	0	51	7	0	0
4	0	1	1	0	1	0	3	0	0	0
100	0	0	0	0	0	0	0	0	0	29
29	0	0	0	0	50	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0
0	0	8	0	0	0	0	0	38	8	0
0	0	0	33	0	0	0	0	100	0	0
100	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	7	19	0	0
12	0	3	0	0	0	0	29	18	0	0
33	0	0	0	0	0	20	20	28	7	0
100	0	0	25	0	0	40	92	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	24	0
100	0	0	0	0	50	0	0	0	0	0
20	0	0	0	0	50	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	12	0	0	0
0	0	0	0	0	0	0	0	17	0	0
80	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	27	12	0	0
67	0	0	0	0	0	0	29	0	0	0
0	0	0	0	0	0	0	78	0	0	0
0	0	0	0	0	0	0	50	0	0	0
0	0	0	0	0	0	20	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	22	0
40	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	0	0	0
0	0	0	0	0	0	0	0	0	0	0
2	0	2	0	0	0	0	3	0	0	0
1	0	0	2	0	1	0	0	0	0	0
3	0	0	0	0	1	0	0	1	0	0
3	0	0	0	0	0	0	5	0	0	0
0	0	0	0	0	3	2	10	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	11	0
2	0	0	0	0	0	0	2	0	0	0
0	0	0	0	0	0	0	0	0	4	0
1.4E+00	7.2E-01	2.0E-01	6.0E-01	9.4E-02	4.0E+00	2.9E-01	5.2E-01	1.5E+00	6.3E-02	6.2E-02
4.0E-02	3.7E-01	3.0E-01	3.4E-02	2.8E-01	3.9E-01	4.3E-01	1.3E-01	2.2E-01	4.6E-01	4.4E-01
2	0	2	2	2	2	1	0	2	1	0
-7.8E-01	0.0E+00	-9.6E-02	-7.6E-01	8.0E-01	7.0E-01	0.0E+00	0.0E+00	-1.3E+00	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0572	At_F0573	At_F0576	At_F0580	At_F0592	At_F0599	At_F0600	At_F0633	At_F0635	At_F0636	At_F0644
-	-	-	-	-	-	-	-	-	-	-
9.2E-03	4.9E-03	1.2E-02	1.9E-03	1.1E-02	8.3E-03	4.1E-03	1.8E-02	7.3E-03	5.6E-03	1.1E-02
8.9E-03	6.9E-03	1.1E-02	3.6E-03	5.6E-03	3.5E-03	4.2E-03	1.9E-02	6.9E-03	6.1E-03	5.3E-03
1.2E-02	1.1E-02	1.7E-02	2.3E-03	6.6E-03	7.2E-03	7.7E-03	9.5E-03	4.9E-03	3.7E-03	7.9E-03
7.5E-02	8.2E-02	1.9E-01	6.6E-02	1.6E-01	5.8E-02	5.9E-02	1.3E-01	8.2E-02	6.8E-02	1.9E-01
5.9E-02	5.9E-02	8.6E-02	6.4E-02	1.3E-01	4.1E-02	4.8E-02	1.1E-01	5.5E-02	6.5E-02	1.0E-01
1.1E-01	7.2E-02	1.6E-01	6.3E-02	8.2E-02	1.3E-01	1.1E-01	6.1E-02	7.8E-02	7.5E-02	1.3E-01
7.3E+00	0.0E+00	1.3E+00	0.0E+00	3.3E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	4.7E+00	1.6E+01
0	0	0	0	0	0	0	0	0	2	4
0	1	0	0	0	0	0	0	1	0	1
0	0	50	0	0	0	0	0	0	0	0
0	0	75	0	0	0	0	0	0	0	0
0	0	14	0	0	0	0	0	0	0	0
0	0	46	0	0	0	0	0	0	0	0
80	17	0	0	0	0	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	12	10
17	0	5	0	6	0	0	0	0	6	26
6	0	0	0	8	0	0	0	0	0	25
14	0	0	0	0	0	0	0	0	0	45
0	0	0	0	0	0	75	0	0	0	0
75	0	0	0	0	50	0	27	0	20	0
0	0	0	0	0	13	5	0	0	0	50
0	0	0	0	0	38	29	0	0	0	0
0	0	0	0	0	0	100	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	36	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	6	15
0	0	0	0	0	0	0	0	0	0	8
0	0	0	0	0	0	0	0	6	0	27
0	0	0	0	0	0	0	0	0	0	14
0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	8	0	0	0	0	0
31	0	0	0	0	40	0	0	0	0	0
0	0	0	0	0	44	19	0	0	0	0
0	0	0	0	0	20	75	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	13	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	0	0	0	0	6
0	0	0	0	0	0	0	0	0	1	1
0	0	0	0	0	0	0	0	1	0	1
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0
23	0	0	0	0	28	0	0	0	0	0
0	0	0	0	1	5	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
2.7E+00	1.0E-01	2.2E+00	1.4E+00	6.8E-01	9.3E-02	1.6E-01	2.0E-01	3.1E-01	3.8E-01	3.8E-01
3.7E-01	3.2E-01	3.6E-01	4.4E-01	4.3E-01	1.0E-01	1.2E-01	2.9E-01	1.2E-01	1.4E-01	2.8E-01
3	2	3	2	2	0	2	2	2	2	2
3.9E-01	-2.1E+00	5.7E-01	-1.5E-01	-9.4E-01	0.0E+00	3.5E-01	-3.1E+00	3.5E-01	2.5E-01	-5.8E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
At_F0658	At_F0671	At_F0672	At_F0673	At_F0683	At_F0698	Atpeg0008	Atpeg0014	Atpeg0017	Atpeg0018	Atpeg0024
-	-	-	-	-	-	NA	NA	NA	NA	NA
2.1E-03	5.8E-03	1.7E-02	7.6E-03	6.5E-03	8.7E-03	2.5E-03	2.6E-03	6.4E-03	1.7E-02	1.0E-02
3.3E-03	1.5E-03	1.8E-02	5.3E-03	6.5E-03	6.9E-03	9.3E-04	2.0E-03	2.8E-03	1.4E-02	0.0E+00
1.5E-03	5.6E-03	1.3E-02	4.8E-03	3.7E-03	4.0E-03	4.2E-03	2.5E-03	3.2E-03	1.6E-02	0.0E+00
4.0E-02	1.2E-01	1.3E-01	1.1E-01	1.0E-01	1.4E-01	6.3E-02	4.6E-02	1.0E-01	1.6E-01	6.1E-02
5.4E-02	4.5E-02	1.3E-01	1.0E-01	6.8E-02	1.2E-01	3.3E-02	3.6E-02	3.9E-02	1.9E-01	0.0E+00
3.4E-02	9.4E-02	8.6E-02	9.7E-02	7.2E-02	8.9E-02	7.3E-02	4.6E-02	4.4E-02	1.8E-01	0.0E+00
0.0E+00	6.5E+00	3.6E+00	3.2E+01	1.5E+00	1.4E+01	0.0E+00	0.0E+00	0.0E+00	4.3E+01	0.0E+00
0	0	0	50	0	22	0	0	0	67	0
0	1	0	6	0	2	0	0	0	7	0
0	0	0	75	0	0	0	0	100	100	0
0	0	0	14	14	0	0	0	0	17	0
0	0	0	15	42	35	0	0	17	17	0
0	36	0	22	0	64	0	0	0	38	0
0	25	0	100	0	0	0	0	0	100	0
0	0	0	100	7	100	0	0	0	50	0
0	0	0	17	0	17	0	0	0	60	0
0	0	0	17	0	0	0	0	0	20	0
0	36	0	67	0	0	0	0	0	44	0
0	25	38	100	0	0	0	0	0	78	0
0	0	0	0	0	0	0	70	0	0	0
0	0	0	18	0	0	0	56	0	67	0
0	0	0	33	0	0	0	10	0	9	0
0	0	0	0	0	63	0	0	0	20	0
0	0	0	0	0	0	0	0	0	100	0
0	0	0	33	0	0	0	0	0	50	0
0	0	0	50	0	0	0	0	0	0	0
0	0	0	15	9	0	0	0	8	25	0
0	0	0	20	0	0	0	0	0	25	0
0	0	0	50	0	0	0	0	0	60	0
0	0	0	67	0	0	0	0	0	60	0
0	0	0	20	0	0	0	0	0	33	0
0	0	0	17	0	0	0	0	0	27	0
0	0	0	25	0	0	0	0	0	57	0
0	0	0	50	0	100	0	0	0	50	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	20	0	0	0	0	0	0	0
0	0	0	0	0	60	0	0	0	0	0
25	0	17	0	0	0	0	0	0	50	0
0	2	0	41	0	0	4	3	14	0	0
0	0	0	2	4	0	0	0	0	0	0
0	0	0	5	14	0	1	0	8	2	0
0	0	2	1	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	29	0	0	0	0	0	7	0
0	2	0	3	0	5	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	12	0
0	0	0	0	0	0	0	0	0	4	0
0	0	0	0	0	0	0	3	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	0	0	0	0
0	0	0	10	0	9	0	0	0	0	0
0	0	0	0	0	0	0	0	0	13	0
2.7E-01	1.7E-01	1.1E+00	7.7E-01	7.0E-01	4.2E-01	9.9E-01	7.1E-01	1.5E-01	5.8E-01	0.0E+00
2.8E-01	1.9E-01	1.7E-01	4.7E-01	2.6E-01	4.8E-01	9.8E-02	2.7E-01	1.3E-01	1.1E-01	3.0E-01
0	3	3	2	2	2	3	0	2	2	2
0.0E+00	0.0E+00	5.5E-01	-1.5E+00	6.7E-01	1.0E+00	0.0E+00	0.0E+00	-2.9E-01	-3.8E-01	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
Atpeg0026	Atpeg0027	Atpeg0028	Atpeg0031	Atpeg0032	Atpeg0035	Atpeg0039	Atpeg0044	Atpeg0047	Atpeg0059	Atpeg0061
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.8E-03	0.0E+00	1.7E-03	2.5E-03	9.0E-03	2.6E-03	5.7E-03	8.4E-03	4.1E-03	5.4E-03	3.1E-03
2.0E-03	0.0E+00	2.3E-03	6.4E-03	1.1E-02	3.4E-03	7.7E-03	1.1E-02	3.3E-03	6.5E-03	1.7E-03
0.0E+00	0.0E+00	2.1E-03	7.6E-03	5.4E-03	4.7E-03	3.9E-03	1.2E-02	1.5E-02	5.1E-03	9.5E-03
2.9E-02	0.0E+00	4.9E-02	7.3E-02	1.0E-01	6.6E-02	5.7E-02	1.7E-01	7.7E-02	1.2E-01	4.0E-02
3.0E-02	0.0E+00	2.8E-02	1.4E-01	1.9E-01	4.1E-02	1.1E-01	1.6E-01	1.2E-01	1.1E-01	4.6E-02
0.0E+00	0.0E+00	4.5E-02	1.6E-01	1.1E-01	3.8E-02	8.4E-02	1.6E-01	2.6E-01	1.1E-01	1.1E-01
0.0E+00	0.0E+00	0.0E+00	2.0E+01	5.0E+01	1.0E+00	0.0E+00	4.3E+01	0.0E+00	5.0E+01	5.7E+00
11	0	0	100	100	0	0	53	0	67	0
2	0	0	38	78	0	0	6	0	2	0
0	0	0	0	0	33	0	0	0	0	20
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	18	0	11	0
0	0	0	0	29	17	0	0	0	75	7
0	0	0	63	100	0	0	100	0	0	0
0	0	0	0	100	0	0	100	0	0	0
0	0	0	0	0	0	0	17	0	67	0
0	0	0	50	50	4	0	33	0	43	0
0	0	0	0	0	0	0	57	0	75	30
0	0	0	100	100	0	0	67	0	100	20
0	0	0	0	0	0	25	88	0	100	0
0	0	0	20	0	0	0	50	0	0	33
0	0	0	43	0	0	0	11	0	0	11
0	0	8	67	0	0	0	38	0	0	14
0	0	40	100	0	0	0	0	0	0	33
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	54	0	14	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	100	100	0	0	100	0	0	0
0	0	0	0	100	0	0	100	0	0	0
0	0	0	0	50	0	0	20	0	0	0
0	0	0	0	50	0	0	0	0	30	0
50	0	0	100	50	0	0	0	0	43	0
0	0	0	0	100	0	0	80	0	50	0
0	0	0	0	0	0	0	22	0	100	0
0	0	0	33	0	0	0	8	0	0	50
0	0	0	0	0	0	0	53	10	0	0
0	0	0	50	0	0	0	50	0	0	100
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10	0	0	0
0	0	0	0	0	0	0	12	0	0	0
0	0	0	46	40	0	0	28	3	0	0
0	0	0	0	100	0	0	13	0	0	0
0	0	0	0	22	0	0	7	0	0	0
0	0	0	14	47	0	0	2	0	0	0
4	0	0	100	38	0	0	0	0	5	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	16	70
0	0	0	0	2	0	0	3	0	0	11
0	0	0	0	0	0	0	13	0	0	4
0	0	0	0	0	0	0	0	0	0	0
0	0	0	8	0	0	0	0	2	0	4
7.0E-01	0.0E+00	9.1E-01	1.0E+00	2.8E-01	3.5E-01	2.6E-01	1.2E+00	2.8E-01	3.9E-01	5.4E-01
2.8E-01	3.0E-01	6.1E-01	3.0E+00	8.0E-02	1.3E-01	2.9E-01	3.4E-01	5.1E-02	5.3E-01	5.4E-01
2	2	2	0	0	0	0	0	0	2	2
-8.0E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-9.8E+00	-1.4E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
Atpeg0067	Atpeg0075	Atpeg0093	Atpeg0094	Atpeg0096	Atpeg0101	Atpeg0104	Atpeg0109	Atpeg0111	Atpeg0113	Atpeg0118
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.5E-03	1.2E-02	1.7E-02	8.7E-03	1.7E-03	9.0E-03	6.0E-03	2.7E-03	4.2E-03	2.1E-03	5.4E-03
4.5E-04	7.5E-03	5.0E-03	4.6E-03	1.5E-03	1.0E-02	3.7E-03	7.0E-03	5.8E-03	3.1E-03	1.6E-02
3.2E-03	1.4E-02	7.5E-03	5.5E-03	3.0E-03	3.7E-03	3.6E-03	9.2E-03	2.7E-03	2.4E-03	1.9E-02
3.9E-02	7.8E-02	2.2E-01	1.7E-01	2.9E-02	7.6E-02	6.5E-02	6.1E-02	5.7E-02	3.4E-02	3.5E-02
1.7E-02	6.6E-02	9.1E-02	9.3E-02	5.0E-02	5.6E-02	5.1E-02	1.5E-01	5.3E-02	2.9E-02	5.7E-02
5.2E-02	1.1E-01	9.5E-02	9.6E-02	8.4E-02	6.4E-02	3.2E-02	1.0E-01	3.7E-02	4.5E-02	1.0E-01
0.0E+00	0.0E+00	1.8E+01	0.0E+00	4.0E+01	0.0E+00	2.3E+00	4.1E+01	0.0E+00	0.0E+00	0.0E+00
0	0	36	0	0	0	0	56	0	0	0
0	0	2	0	0	1	0	3	0	0	0
0	0	46	0	0	0	0	0	0	33	0
0	0	50	0	25	0	0	0	0	0	0
0	0	0	0	30	0	0	0	0	0	0
0	17	62	0	29	0	0	0	0	0	0
0	0	0	0	33	0	0	82	0	0	0
0	0	32	0	0	0	0	0	0	0	0
0	0	0	0	100	0	9	43	0	0	0
0	0	0	0	0	0	0	57	0	0	0
0	0	23	0	50	0	0	33	0	0	0
0	0	100	0	100	0	0	50	0	0	0
0	0	100	0	33	0	0	67	0	0	0
0	0	60	0	14	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	14	0	0	0	0	0	33	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	29	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	63	0	0	0
0	0	6	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	25	0	0	0
0	0	0	0	0	0	0	17	0	0	0
0	0	6	0	0	0	0	60	0	0	0
0	0	75	0	0	0	0	0	0	0	0
0	0	100	0	33	0	0	100	0	0	0
0	0	50	0	0	0	0	9	0	0	0
0	0	10	0	0	0	0	0	0	0	0
0	13	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	3	0	3	0	0	0
0	0	1	0	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	7	0	0	0
0	0	5	0	0	3	0	0	0	0	0
0	0	0	0	0	0	3	64	0	0	0
0	0	10	0	0	2	0	13	0	0	0
0	0	8	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
9.9E-01	1.3E-01	6.4E-01	4.5E-01	5.7E-01	2.2E+00	1.7E-01	3.1E-01	2.0E+00	9.9E-01	6.8E-02
5.1E-01	1.3E-01	1.2E-01	3.1E-01	4.3E-01	3.9E-01	4.3E-02	1.5E-01	5.2E-02	2.5E-01	3.0E-01
0	4	0	2	0	0	0	0	0	0	2
0.0E+00	1.8E-01	0.0E+00	-7.5E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-3.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare
Atpeg0119	Atpeg0126	Atpeg0129	Atpeg0139	Atpeg0149	Atpeg0152	Atpeg0153	Atpeg0154	Atpeg0156	Atpeg0168	Atpeg0171
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7.0E-03	4.7E-03	5.3E-03	6.9E-03	2.2E-03	3.8E-03	4.0E-03	7.0E-03	2.3E-03	1.2E-02	2.5E-03
9.6E-03	2.4E-03	7.4E-03	7.9E-03	2.2E-03	7.1E-04	7.4E-04	6.1E-03	8.9E-03	1.0E-02	5.7E-04
1.2E-02	1.2E-03	3.2E-03	1.5E-02	2.4E-03	2.8E-03	6.0E-03	5.1E-03	8.2E-03	6.7E-03	5.9E-03
8.4E-02	4.3E-02	6.6E-02	6.8E-02	5.0E-02	8.1E-02	4.4E-02	9.8E-02	4.8E-02	9.4E-02	4.7E-02
8.0E-02	3.3E-02	6.4E-02	9.2E-02	7.3E-02	5.1E-02	1.9E-02	4.4E-02	2.2E-01	1.1E-01	3.7E-02
1.5E-01	3.1E-02	3.8E-02	1.7E-01	6.4E-02	7.5E-02	6.3E-02	5.0E-02	1.3E-01	5.8E-02	7.0E-02
1.1E+01	1.3E+01	0.0E+00	8.3E+00	0.0E+00	0.0E+00	1.7E+01	0.0E+00	5.0E+01	0.0E+00	0.0E+00
0	0	0	0	0	0	0	0	25	0	0
1	0	1	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	25	0	0	0	0	25	0	86	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	67	0	0
5	29	0	0	0	0	100	0	0	0	0
30	0	0	5	0	0	0	0	50	0	0
60	0	0	40	0	0	0	0	100	0	0
100	0	0	0	0	0	0	0	100	17	0
42	0	0	0	0	0	0	0	67	22	0
43	0	7	6	0	0	0	0	0	0	0
67	8	17	47	0	0	0	0	0	0	0
0	63	60	88	0	100	0	0	100	0	0
0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	11	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	100	0	0
0	0	0	0	0	0	0	0	33	0	0
22	0	0	0	0	0	0	0	33	11	0
17	0	0	7	0	0	0	0	0	0	0
0	0	0	27	0	0	0	0	20	0	0
0	0	0	0	0	0	0	0	100	0	0
3	4	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0
0	0	1	0	0	0	0	6	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	4	0	0
5	0	0	0	0	0	0	0	14	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	20	0	0
0	0	0	0	0	0	0	0	21	0	0
1.6E-01	9.5E-01	1.8E-01	9.2E-02	4.1E-01	1.0E+00	4.6E-01	8.8E-02	1.8E-01	1.7E+00	1.0E+00
2.3E-01	2.9E-01	3.4E-01	1.8E-01	2.6E-01	1.5E-01	5.2E-01	7.0E-01	9.2E-02	5.5E-01	4.7E-01
4	0	2	2	0	0	0	0	0	0	0
0.0E+00	0.0E+00	-3.4E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Specific_Rare	Pseudo_High	Pseudo_High	Pseudo_High	Pseudo_High	Pseudo_High	Pseudo_High
Atpeg0172	Atpeg0173	Atpeg0178	Atpeg0180	Atpeg0181	At_F0519	At_F0584	At_F0240	At_F0403	At_F0407	At_F0427
NA	NA	NA	NA	NA	-	bm	-	-	-	-
8.1E-03	6.5E-03	6.2E-03	5.8E-03	8.4E-03	2.7E-03	6.4E-03	3.5E-03	5.4E-03	3.1E-03	6.4E-03
7.0E-03	5.5E-04	6.5E-03	8.3E-03	2.4E-03	1.1E-02	1.3E-03	2.0E-03	1.4E-03	3.4E-03	4.5E-03
1.0E-02	2.2E-03	1.0E-02	7.5E-03	7.6E-03	1.8E-02	2.0E-03	2.0E-03	2.0E-03	5.5E-03	4.1E-03
9.3E-02	1.1E-01	8.6E-02	7.6E-02	7.1E-02	5.7E-02	6.5E-02	4.3E-02	7.0E-02	4.5E-02	1.1E-01
7.1E-02	3.3E-02	6.3E-02	1.3E-01	2.5E-02	9.2E-02	3.4E-02	4.7E-02	2.7E-02	4.0E-02	5.4E-02
1.2E-01	5.3E-02	1.4E-01	6.6E-02	5.0E-02	1.1E-01	5.4E-02	5.9E-02	3.4E-02	5.3E-02	4.2E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.2E+00	2.0E+01	0.0E+00	1.6E+00	8.6E+00	6.7E+00
0	0	0	0	0	0	0	0	0	0	0
0	0	5	0	0	0	0	0	0	0	0
0	100	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	7
0	0	0	0	0	0	0	0	0	0	75
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	14	16	0	7	0	0
0	0	0	0	0	0	26	0	0	6	6
0	0	0	0	0	0	16	0	0	18	50
0	0	0	0	0	0	23	0	0	4	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	17	0	0	0	0	86	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	8	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
3.7E-01	7.8E-01	1.9E-01	8.8E-01	9.2E-01	2.4E+00	1.2E-01	2.1E+00	9.3E-02	1.4E+00	6.1E-02
3.7E-02	2.0E-01	5.2E-01	2.9E-01	3.5E-01	8.1E-02	4.9E-01	1.8E-01	2.3E-01	3.5E-01	3.5E-01
0	0	0	0	2	2	16	2	2	3	0
0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.0E+00	1.8E-01	-2.7E-01	2.2E-01	-7.9E-01	-1.8E-01	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	9.0E+01	8.8E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_High	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low
At_F0693	At_F0465	At_F0368	At_F0322	At_F0203	At_F0690	At_F0527	At_F0605	At_F0625	At_F0654	At_F0701	At_F0291
-	-	-	-	bm	-	-	-	-	-	-	-
1.6E-03	9.3E-03	8.1E-03	1.2E-02	1.1E-02	8.1E-03	9.3E-03	2.4E-03	1.6E-03	7.3E-03	7.2E-03	2.5E-03
1.8E-03	6.4E-03	3.8E-03	1.4E-02	3.1E-03	7.3E-03	5.0E-03	2.1E-03	5.0E-03	4.3E-03	6.5E-03	2.9E-03
4.6E-03	4.0E-03	4.4E-03	8.4E-03	1.2E-03	7.8E-03	8.6E-03	2.0E-03	5.2E-03	6.2E-03	6.1E-03	5.0E-03
4.3E-02	1.0E-01	1.2E-01	1.4E-01	6.9E-02	1.1E-01	7.7E-02	5.6E-02	1.1E-01	5.6E-02	9.6E-02	4.2E-02
3.4E-02	5.1E-02	6.4E-02	8.6E-02	6.9E-02	9.2E-02	9.1E-02	4.5E-02	8.1E-02	3.8E-02	7.9E-02	4.1E-02
5.5E-02	5.1E-02	6.8E-02	1.2E-01	4.2E-02	1.3E-01	6.4E-02	6.6E-02	8.5E-02	1.0E-01	5.7E-02	5.5E-02
1.3E+00	0.0E+00	5.7E+00	2.0E+00	2.3E+01	5.0E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.2E+00	0.0E+00
0	0	0	0	0	77	0	0	0	0	8	0
0	0	0	0	0	13	0	0	1	0	4	0
0	0	0	0	80	0	0	0	100	0	0	0
0	0	50	43	0	0	0	0	47	0	0	31
0	0	38	0	40	0	0	0	23	0	0	0
0	0	0	8	67	60	0	0	53	0	0	0
0	0	0	0	0	100	0	0	17	0	0	0
0	0	8	14	89	100	0	0	0	0	0	0
10	0	16	0	0	50	0	0	0	0	0	0
0	0	4	0	6	44	0	0	0	0	20	0
0	0	0	0	25	56	0	0	0	0	5	0
0	0	0	0	0	100	0	0	0	0	0	0
0	0	0	0	0	100	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	10	0	0	0	0	0	0
0	0	0	0	27	13	0	0	0	11	0	0
0	0	0	0	100	83	0	0	50	67	0	0
0	0	0	50	0	0	0	0	100	0	0	0
0	0	33	18	0	0	0	0	25	0	0	0
0	0	0	0	0	11	0	0	36	0	0	5
0	0	0	0	0	13	0	0	0	0	0	0
0	0	0	0	0	57	0	0	0	0	0	0
0	0	0	0	0	88	0	0	0	0	0	0
0	0	0	0	0	56	0	0	0	0	0	0
0	0	0	0	0	13	0	0	0	0	33	0
0	0	0	0	0	31	0	0	0	0	0	0
0	0	0	0	0	75	0	0	0	0	0	0
0	0	0	0	0	50	0	0	0	0	0	0
0	0	0	0	0	25	0	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0	0
0	0	0	0	0	45	0	0	0	25	0	0
0	0	0	0	0	60	0	0	0	50	0	0
0	0	0	0	0	0	3	0	10	0	0	0
0	0	9	22	0	0	0	0	9	0	0	0
0	0	0	0	0	0	0	1	3	0	0	0
0	0	0	0	0	0	0	0	4	0	0	0
0	0	0	3	0	36	0	0	0	0	0	0
2	0	0	0	0	13	0	0	0	0	0	0
0	0	0	1	0	12	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	17	0
0	0	0	0	0	6	0	0	2	0	0	0
0	0	0	0	0	13	0	0	0	0	0	0
0	0	0	0	0	24	0	0	0	0	0	0
0	0	2	0	0	6	0	0	0	0	0	0
0	0	0	0	0	2	2	0	0	0	0	0
0	0	0	20	1	2	0	0	0	12	0	0
0	0	0	0	0	9	0	0	0	5	0	0
8.0E-02	1.9E-01	8.1E-02	9.3E-01	6.9E-02	8.4E-02	8.8E-01	2.0E-01	1.9E-01	1.8E+00	6.0E-01	7.4E-02
6.4E-01	2.3E-01	1.9E-01	4.6E-01	2.2E-01	1.2E-01	3.8E-01	3.7E-01	3.3E-01	2.5E-01	4.6E-01	1.1E-01
2	0	2	2	2	2	2	0	0	0	2	0
1.7E-01	0.0E+00	4.8E-01	4.0E-02	6.9E-01	-1.1E+00	-8.7E-01	0.0E+00	0.0E+00	0.0E+00	-2.4E+00	0.0E+00
0.0E+00	1.6E+01	2.9E+00	1.4E+01	1.3E+01	5.0E+00	4.7E+01	5.9E+00	9.8E+00	1.6E+01	1.1E+01	0.0E+00

Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low
At_F0352	At_F0689	Atesg0095	Atesg0146	Atpsg0022	Atpsg0041	Atpsg0081	At_F0479	Atpsg0066	Atpsg0116	At_F0333	At_F0525
-	-	NA	NA	NA	NA	NA	-	NA	NA	-	-
3.0E-03	8.5E-03	8.2E-03	3.2E-03	1.6E-02	1.2E-02	1.6E-03	8.6E-03	5.9E-03	1.3E-02	3.1E-03	2.6E-03
3.9E-03	3.2E-03	6.1E-03	5.2E-03	7.3E-03	9.4E-03	2.7E-03	4.8E-03	7.8E-03	2.8E-02	5.2E-03	1.4E-03
4.9E-03	2.4E-03	3.1E-03	6.7E-03	6.8E-03	8.1E-03	2.3E-03	3.4E-03	9.0E-03	3.0E-02	3.4E-03	3.1E-03
4.6E-02	6.1E-02	1.3E-01	6.0E-02	1.9E-01	1.4E-01	4.0E-02	1.3E-01	7.9E-02	1.6E-01	9.7E-02	2.6E-02
3.9E-02	4.4E-02	1.1E-01	6.9E-02	9.3E-02	1.0E-01	4.3E-02	7.7E-02	6.7E-02	2.0E-01	8.9E-02	2.2E-02
5.1E-02	4.5E-02	6.7E-02	4.6E-02	1.1E-01	1.1E-01	4.6E-02	8.6E-02	5.9E-02	2.0E-01	4.7E-02	3.8E-02
4.0E+00	0.0E+00	2.3E+01	2.0E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	7.6E+00	2.7E+01	3.9E+00	0.0E+00
0	0	0	0	0	0	0	0	0	3	0	0
0	1	1	0	0	0	2	0	0	0	0	0
0	0	100	0	88	0	0	100	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	16	0	38	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	25	0	0	13
0	0	0	0	0	0	0	0	0	100	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	23	0	0	0	0	13	0	0	0
0	0	25	29	0	0	0	0	0	26	0	0
22	0	25	25	0	0	0	0	22	50	5	0
0	0	78	0	0	0	0	0	40	67	11	0
0	0	0	0	100	50	0	0	0	0	0	0
0	0	0	0	40	44	0	0	0	0	0	0
0	0	0	0	35	8	0	0	0	7	0	0
0	0	0	0	36	22	0	0	14	0	9	0
0	0	0	0	67	0	0	0	50	0	57	50
0	0	0	0	0	0	0	100	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	20	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	8	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	25	0	0	0	0	0	0	0
0	0	0	0	38	0	0	0	0	0	0	0
0	0	0	0	15	0	0	0	0	0	0	0
0	0	0	0	11	0	0	0	0	0	0	0
0	0	0	0	57	0	0	0	0	0	0	0
0	0	13	0	0	0	0	25	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	4	0
0	0	5	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
2.6E-01	1.1E-01	2.0E-01	8.9E-02	2.3E-01	1.3E+00	6.7E-02	1.3E+00	2.0E+00	2.9E-01	1.1E+00	7.3E-02
2.8E-01	4.5E-01	3.4E-01	3.6E-01	9.9E-01	8.6E-01	3.7E-01	3.6E-01	2.4E-01	5.1E-01	1.9E-01	4.5E-01
2	11	1	2	0	0	2	0	2	0	0	0
-1.1E+00	-1.9E+00	0.0E+00	7.3E-01	0.0E+00	0.0E+00	3.0E-02	0.0E+00	4.9E-01	0.0E+00	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low
At_F0579	Atesg0143	Atpsg0133	Atesg0002	Atpsg0087	Atpsg0184	At_F0410	At_F0376	At_F0577	Atpsg0086	Atpsg0175	At_F0582
-	NA	NA	NA	NA	NA	-	-	-	NA	NA	-
5.3E-03	1.0E-03	8.3E-03	8.0E-03	6.6E-03	8.8E-03	1.1E-02	2.6E-03	5.4E-03	1.4E-02	1.5E-03	3.9E-03
4.3E-03	1.8E-03	4.2E-03	8.3E-03	9.9E-03	1.2E-02	3.2E-03	1.1E-03	3.6E-03	9.9E-03	4.7E-03	2.4E-03
4.5E-03	1.9E-03	4.8E-03	4.8E-03	9.1E-03	6.8E-03	2.0E-03	5.3E-03	3.3E-03	6.1E-03	2.0E-03	5.2E-03
7.8E-02	2.9E-02	1.4E-01	1.5E-01	1.0E-01	7.4E-02	7.7E-02	5.6E-02	5.7E-02	2.3E-01	4.6E-02	6.6E-02
6.6E-02	4.3E-02	5.6E-02	8.1E-02	1.1E-01	1.4E-01	7.3E-02	2.8E-02	7.4E-02	1.2E-01	6.3E-02	6.6E-02
8.7E-02	2.6E-02	6.6E-02	6.9E-02	1.5E-01	9.6E-02	5.2E-02	3.9E-02	6.1E-02	6.6E-02	6.1E-02	8.3E-02
0.0E+00	0.0E+00	0.0E+00	1.2E+01	4.3E+00	7.7E+00	7.8E+00	3.8E+00	1.3E+01	0.0E+00	0.0E+00	0.0E+00
0	0	5	0	0	0	0	0	5	0	0	0
1	0	1	0	1	0	0	0	1	1	0	0
0	40	100	0	50	0	0	60	50	100	0	0
0	0	0	0	40	0	9	50	0	50	0	0
0	42	0	14	7	0	0	29	0	38	0	0
0	0	0	50	20	0	11	0	0	63	0	0
0	0	0	20	0	22	100	0	9	0	0	0
0	0	0	0	33	0	0	0	9	0	0	0
0	0	0	0	0	0	8	0	16	0	0	0
0	0	0	0	0	22	6	0	7	0	0	0
0	0	0	50	0	0	10	8	0	0	0	0
0	0	0	33	0	0	43	0	100	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	19	42	0	0
0	15	0	0	0	0	14	0	59	13	0	13
0	22	0	0	0	0	22	12	33	27	0	0
0	75	0	0	0	0	0	0	50	57	0	50
0	0	100	0	0	0	0	0	0	67	0	0
0	0	0	0	0	0	0	0	0	75	0	0
0	0	4	0	0	0	0	0	0	8	0	0
0	0	0	0	0	0	0	0	0	18	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	9	0	0	0	0	0	0	0	0	0
0	0	5	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	80	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	11	0	0	0
0	0	0	0	0	0	4	0	42	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	71	0	0	0	0	0	0	4	0	0
0	0	0	0	0	3	0	0	0	7	0	0
0	0	0	0	0	0	0	0	0	11	0	0
0	0	2	0	0	0	0	4	0	10	0	0
0	0	0	0	0	0	0	0	0	0	0	5
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	1	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	30	0	0	0
0	0	0	0	0	0	0	0	9	0	0	3
0	0	0	0	0	0	0	1	9	0	0	0
0	0	0	0	0	0	1	0	22	0	0	0
0	0	0	0	0	0	0	0	7	0	0	0
0	4	0	0	0	0	0	0	0	0	0	0
1.6E-01	2.6E-02	1.1E-01	2.2E-01	9.8E-01	3.0E-01	1.6E-01	9.6E-02	1.1E-01	2.3E-01	9.4E-02	9.5E-01
3.1E-01	2.8E-01	5.7E-01	4.0E-01	2.0E-01	3.6E-01	3.2E-01	4.1E-01	1.2E-01	3.6E-01	5.6E-01	4.8E-01
2	2	2	2	3	0	2	2	0	0	0	0
-1.1E+00	9.4E-01	-4.4E-01	-2.2E-02	0.0E+00	0.0E+00	2.9E-01	4.0E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low
Atesg0158	Atpsg0046	Atpsg0097	Atpsg0080	Atpsg0099	Atpsg0132	At_F0530	Atpsg0006	Atpsg0115	Atpsg0036	Atpsg0088	At_F0374
NA	NA	NA	NA	NA	NA	-	NA	NA	NA	NA	-
2.1E-02	3.0E-03	1.8E-03	1.4E-02	5.9E-03	4.4E-03	4.2E-03	8.9E-03	2.7E-03	8.3E-03	1.2E-02	9.7E-03
8.6E-03	3.1E-03	3.9E-03	1.8E-02	6.0E-03	5.9E-03	9.8E-03	4.9E-03	3.0E-03	9.2E-03	1.9E-03	1.0E-02
1.5E-02	3.3E-03	1.8E-03	8.8E-03	7.3E-03	1.1E-02	1.6E-02	5.5E-03	4.3E-03	4.3E-03	2.1E-03	9.3E-03
8.6E-02	5.6E-02	4.4E-02	9.0E-02	1.3E-01	6.8E-02	5.3E-02	6.9E-02	4.2E-02	1.2E-01	6.4E-02	1.4E-01
8.5E-02	4.3E-02	3.9E-02	1.3E-01	1.2E-01	1.0E-01	8.8E-02	5.5E-02	8.5E-02	9.5E-02	4.3E-02	1.1E-01
8.6E-02	3.6E-02	4.3E-02	9.7E-02	1.5E-01	1.6E-01	1.7E-01	9.0E-02	5.4E-02	1.2E-01	4.4E-02	7.7E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	5.0E+01	4.1E+01	3.6E+00	0.0E+00	3.8E+00	3.9E+01	0.0E+00	7.4E+00
0	0	0	0	79	71	0	0	0	22	4	29
0	0	0	0	15	14	0	0	0	3	0	4
0	0	0	0	100	50	0	0	0	0	0	0
0	0	0	0	38	30	0	25	0	0	0	0
0	0	0	0	36	19	0	0	0	67	0	0
0	0	0	0	67	0	0	0	0	0	0	27
0	0	0	0	100	80	0	0	0	0	0	100
0	0	0	0	100	83	32	0	36	83	0	81
0	0	0	0	54	33	0	0	0	53	0	33
0	0	0	0	46	24	0	0	0	21	0	8
0	0	0	0	29	56	0	0	0	35	0	0
0	0	0	0	100	71	0	0	0	42	0	0
0	0	0	33	100	100	0	0	0	0	0	0
0	0	0	0	33	67	56	0	0	0	0	0
0	0	0	0	50	33	47	44	0	0	0	0
0	0	0	0	50	25	33	0	0	0	0	0
0	0	0	0	100	100	0	0	0	0	0	0
0	0	0	0	100	0	0	0	0	0	0	0
0	0	0	0	25	0	0	0	0	0	0	0
0	0	0	0	25	0	0	0	0	36	0	0
0	0	0	0	36	0	0	0	0	0	0	0
0	0	0	0	100	0	0	0	0	0	0	80
0	0	0	0	83	60	0	0	0	0	14	76
0	0	0	0	43	25	0	0	0	14	0	35
0	0	0	0	39	38	0	0	0	21	0	3
0	0	0	0	27	54	0	0	0	0	0	0
0	0	0	0	100	25	0	0	0	0	0	0
0	0	0	0	100	0	25	0	0	0	0	0
0	0	0	0	20	57	36	14	0	0	0	0
0	0	0	0	29	20	44	0	0	0	0	0
0	0	0	0	40	50	22	0	0	0	0	0
0	0	0	0	100	0	0	0	0	0	0	0
0	0	0	0	17	0	4	3	0	0	0	0
0	0	0	0	11	0	0	0	0	26	0	0
0	0	0	0	4	0	0	0	2	12	0	2
0	0	0	1	9	0	0	0	0	0	0	0
0	0	0	0	3	0	0	0	4	0	0	0
0	0	0	0	21	10	0	0	0	0	0	4
0	0	0	0	3	15	0	0	0	2	0	8
0	0	0	0	5	3	0	0	0	3	0	5
0	0	0	0	6	4	0	0	0	0	0	1
0	0	0	0	17	10	0	0	0	0	0	0
0	0	0	0	7	7	4	8	4	0	0	0
2	0	0	0	3	4	28	5	0	0	0	1
0	0	0	0	9	19	25	0	0	0	0	0
0	0	0	0	7	0	9	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1.1E-01	1.6E+00	6.6E-02	3.1E-01	1.2E-01	8.4E-02	6.5E-01	3.8E-02	3.4E-01	1.7E-01	9.7E-02	1.2E+00
2.1E-01	8.5E-01	1.7E-01	4.0E-01	3.6E-01	8.5E-02	3.2E-01	4.5E-01	2.8E-01	3.2E-01	3.1E-01	4.0E-01
0	2	0	2	0	0	2	0	0	0	2	2
0.0E+00	-4.5E-01	0.0E+00	-6.1E-01	0.0E+00	0.0E+00	-1.2E+00	0.0E+00	0.0E+00	0.0E+00	-1.3E+00	4.4E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low
Atpsg0003	Atesg0062	At_F0246	Atpsg0112	At_F0150	At_F0167	At_F0325	At_F0358	At_F0518	Atesg0077	Atesg0134	Atpsg0079
NA	NA	-	NA	-	-	-	-	-	NA	NA	NA
1.2E-02	1.0E-02	5.2E-03	1.3E-02	4.7E-03	4.1E-03	1.2E-03	2.4E-03	2.0E-03	4.1E-03	1.4E-02	1.4E-02
1.6E-02	5.0E-03	3.9E-03	7.1E-03	5.3E-03	2.6E-03	3.6E-03	9.7E-04	1.0E-03	2.1E-03	2.6E-03	8.7E-03
1.5E-02	6.5E-03	2.2E-03	4.6E-03	2.2E-03	2.2E-03	1.1E-02	5.2E-03	1.8E-04	2.4E-03	2.4E-03	3.4E-03
9.1E-02	8.1E-02	7.8E-02	8.1E-02	7.1E-02	7.7E-02	5.6E-02	6.0E-02	5.7E-02	5.9E-02	2.2E-01	1.4E-01
1.2E-01	6.8E-02	4.0E-02	6.4E-02	5.1E-02	6.3E-02	7.9E-02	3.7E-02	4.3E-02	4.2E-02	5.2E-02	9.8E-02
6.7E-02	1.2E-01	4.3E-02	8.1E-02	6.0E-02	8.5E-02	1.7E-01	1.1E-01	1.9E-02	3.3E-02	3.1E-02	9.2E-02
0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.2E+00	6.3E+00	1.6E+01	0.0E+00	0.0E+00	0.0E+00	8.3E+00	4.4E+00
0	0	0	0	0	0	29	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	7	0
0	0	0	0	0	0	0	0	0	0	0	13
0	0	0	0	0	40	0	0	0	0	0	14
0	0	0	0	7	0	0	0	0	0	0	0
0	0	0	0	0	13	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	6	0
0	0	0	0	0	14	42	0	0	0	17	11
0	0	0	0	0	0	86	0	0	0	31	13
0	0	0	0	0	67	100	0	0	0	20	0
0	29	0	0	0	17	0	0	24	0	25	0
0	20	0	0	0	0	19	15	0	0	0	14
0	100	0	0	0	0	17	27	0	60	0	50
0	0	0	0	0	0	15	88	0	0	0	100
0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0	0
0	0	0	0	0	0	89	0	0	0	0	0
0	0	0	0	0	0	80	0	0	0	0	0
0	0	0	0	0	0	50	0	0	0	0	0
0	23	0	0	0	0	0	25	0	0	0	0
0	100	0	0	0	0	9	0	0	0	0	20
0	0	0	0	0	0	0	50	0	0	0	100
0	0	0	2	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	4	0
0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	4	0	0	0	0	50	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	2	4
0	9	0	0	0	0	1	1	1	0	0	1
0	37	0	0	0	0	0	2	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0	0
1.4E-01	1.1E-01	0.0E+00	4.5E-01	7.8E-01	1.4E-01	3.5E-01	2.3E-01	3.5E-01	5.4E-02	5.4E-02	5.3E-01
5.0E-01	2.0E-01	2.9E-01	3.3E-01	2.2E-01	1.7E-01	2.3E-01	1.3E-01	2.8E-01	4.3E-01	4.2E-01	6.2E-01
0	2	3	0	0	2	2	1	2	0	2	5
0.0E+00	6.2E-01	-2.6E-01	0.0E+00	0.0E+00	0.0E+00	-1.8E+00	0.0E+00	2.0E-01	0.0E+00	-3.1E+00	-7.6E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Low	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
Atpsg0091	Atpsg0098	Atpsg0148	Atpsg0165	At_F0036	At_F0112	At_F0118	At_F0185	At_F0212	At_F0249	At_F0257
NA	NA	NA	NA	-	-	-	-	-	-	-
5.9E-03	3.4E-03	1.0E-02	1.3E-03	4.9E-03	7.5E-03	1.7E-02	3.0E-03	1.0E-02	6.4E-03	6.9E-03
5.8E-03	1.3E-03	7.0E-03	1.1E-03	4.2E-03	1.0E-02	1.4E-02	1.6E-03	1.3E-02	8.6E-03	5.0E-04
5.0E-03	5.2E-03	6.3E-03	1.1E-03	2.1E-03	5.9E-03	9.7E-03	1.1E-03	8.4E-03	7.4E-03	5.7E-03
7.0E-02	9.9E-02	1.1E-01	3.2E-02	7.5E-02	8.6E-02	9.4E-02	3.1E-02	1.3E-01	9.4E-02	5.4E-02
4.9E-02	5.2E-02	1.4E-01	3.1E-02	7.5E-02	8.5E-02	8.6E-02	2.5E-02	1.2E-01	9.8E-02	2.7E-02
7.5E-02	1.0E-01	1.6E-01	1.9E-02	7.6E-02	8.0E-02	8.1E-02	1.4E-02	1.4E-01	1.1E-01	8.7E-02
1.1E+00	0.0E+00	5.0E+01	0.0E+00	4.6E+01	8.3E+00	0.0E+00	5.8E+00	4.8E+01	8.0E+00	2.6E+00
0	0	69	3	38	3	0	0	73	6	0
0	0	9	0	4	0	0	0	7	1	0
0	0	67	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
6	0	8	0	0	0	0	0	0	0	0
0	0	0	0	27	18	0	0	46	0	0
0	0	75	0	100	0	0	0	86	0	0
0	0	92	0	89	33	0	25	91	44	0
0	0	50	0	53	0	0	0	50	0	8
5	0	12	0	47	0	0	0	22	11	0
0	0	15	0	44	20	0	0	43	0	0
0	0	100	0	100	0	0	20	100	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	6	0	0	0	0	0	14	0	0
0	8	20	0	0	0	0	0	29	0	45
0	17	29	0	0	0	0	0	0	0	25
0	0	100	57	0	20	0	0	75	0	67
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	8	0	0	0	0	0	0
0	0	0	0	20	9	0	0	42	0	0
0	0	100	20	83	0	0	0	33	0	0
0	0	67	0	71	14	0	0	50	18	0
0	0	13	0	14	0	0	0	47	0	0
0	0	11	0	10	0	0	0	50	0	0
0	0	22	0	14	0	0	0	20	0	0
0	0	50	20	0	0	0	0	100	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	27	0	0	0	0	0	8	0	0
0	0	0	0	0	0	0	0	7	0	13
0	0	20	0	0	0	0	0	0	0	33
0	0	0	0	0	0	0	0	33	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	1	0	1
0	0	0	0	2	0	0	0	8	0	0
0	0	6	0	8	0	0	0	0	0	4
0	0	9	0	12	0	0	0	5	5	0
0	0	1	0	2	0	0	0	0	0	0
0	0	0	0	3	0	0	0	5	0	0
0	0	0	0	2	0	0	0	2	0	0
0	0	3	0	0	0	0	0	11	0	0
0	0	0	0	0	0	3	0	0	0	0
0	0	0	2	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	1	0	2
0	0	4	0	0	0	0	0	4	0	3
0	0	2	0	0	0	0	0	0	4	0
2.4E+00	2.5E-01	5.3E-01	8.2E-02	5.6E-01	7.1E-01	1.3E+00	4.4E-01	6.1E-01	2.5E+00	8.8E-02
2.8E-01	3.6E-01	3.8E-01	3.9E-01	6.3E-02	4.0E-01	1.5E-01	5.6E-02	3.0E-01	3.2E-01	3.1E-01
0	0	0	0	0	2	2	0	2	2	12
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.3E-01	2.5E-01	0.0E+00	2.7E-01	-5.5E-02	9.4E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.1E+01	4.0E+00	4.0E+00	1.5E+01	3.2E+00	1.3E+01	9.8E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
At_F0290	At_F0312	At_F0331	At_F0339	At_F0341	At_F0356	At_F0375	At_F0412	At_F0425	At_F0472	At_F0473
-	-	-	bm	-	-	-	-	-	-	-
8.8E-03	8.1E-03	2.2E-03	1.1E-02	2.8E-03	2.4E-03	4.6E-03	3.9E-03	7.2E-03	1.8E-03	1.8E-03
6.6E-03	4.0E-03	3.1E-03	8.5E-03	2.6E-03	3.0E-03	3.8E-03	5.0E-03	1.6E-02	4.2E-03	7.9E-03
3.6E-03	5.3E-03	4.5E-03	1.1E-02	1.3E-03	2.5E-03	8.2E-03	3.4E-03	5.7E-03	8.8E-03	7.0E-03
1.7E-01	9.4E-02	4.2E-02	2.3E-01	5.6E-02	7.9E-02	9.5E-02	6.4E-02	9.8E-02	3.7E-02	2.8E-02
1.0E-01	6.9E-02	4.7E-02	1.3E-01	4.2E-02	6.9E-02	1.0E-01	7.1E-02	1.4E-01	3.8E-02	6.4E-02
7.5E-02	7.7E-02	5.8E-02	1.4E-01	3.6E-02	6.3E-02	1.5E-01	6.7E-02	8.7E-02	5.6E-02	7.1E-02
0.0E+00	0.0E+00	4.3E+00	2.6E+01	8.3E+00	0.0E+00	6.6E+00	1.3E+01	0.0E+00	0.0E+00	0.0E+00
0	0	0	0	0	0	14	0	0	0	0
1	0	0	0	0	0	1	0	0	1	0
50	0	0	0	0	0	50	50	0	0	0
13	11	0	0	0	0	0	33	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	18	0	0	0
0	0	0	50	0	0	0	13	0	0	0
0	0	18	0	0	0	0	29	0	0	0
0	0	3	14	0	0	0	19	0	0	0
0	0	0	11	19	0	0	11	0	0	0
0	0	0	60	29	0	0	0	0	0	0
0	0	0	88	0	0	100	40	0	0	0
0	0	0	0	0	0	83	0	0	0	0
18	0	0	0	0	0	57	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	36	0	0	0	0
100	0	25	0	0	0	0	0	0	0	100
0	0	0	0	0	0	100	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	67	0	0	0	0
0	0	0	0	0	0	50	0	0	0	0
7	0	0	0	0	0	50	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	13	0	0	0	0
0	0	33	0	0	0	0	0	0	0	60
0	0	0	0	0	0	53	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2	0
2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0
0	0	0	8	0	0	10	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	2
0	4	12	6	0	0	0	0	0	0	17
2.8E-01	1.1E-01	5.1E-01	1.2E+00	4.7E-02	1.6E-01	5.2E-01	1.9E-01	0.0E+00	3.1E-02	7.7E-01
1.5E-01	9.2E-02	8.0E-01	2.6E-01	3.9E-01	3.9E-01	3.0E-01	2.4E-01	1.1E-01	4.2E-01	1.1E-01
8	0	0	1	2	0	2	3	2	0	0
0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.4E-01	0.0E+00	-3.3E-01	-2.7E-01	-2.9E-01	0.0E+00	0.0E+00
1.1E+00	2.3E+01	6.6E+00	4.9E+00	6.0E+00	1.4E+01	1.9E+01	8.1E+00	2.4E+00	1.6E+01	1.7E+01

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
At_F0476	At_F0618	At_F0661	At_F0682	At_F0043	At_F0045	At_F0075	At_F0078	At_F0084	At_F0094	At_F0117
-	-	-	-	-	-	-	-	-	-	-
4.8E-03	7.5E-03	1.2E-02	5.9E-03	1.9E-03	7.0E-03	2.9E-03	4.5E-03	1.7E-02	5.8E-03	1.7E-03
1.6E-02	2.9E-03	1.2E-02	2.5E-02	3.4E-03	7.4E-03	4.3E-03	1.5E-02	1.6E-02	1.0E-02	3.2E-03
7.1E-03	5.6E-03	1.0E-02	4.3E-03	5.0E-03	3.9E-03	3.6E-03	9.3E-03	8.3E-03	8.9E-03	1.0E-02
7.2E-02	1.2E-01	9.2E-02	1.3E-01	6.2E-02	1.2E-01	8.6E-02	8.5E-02	2.3E-01	7.1E-02	4.4E-02
1.5E-01	5.2E-02	9.3E-02	1.1E-01	3.8E-02	6.5E-02	8.4E-02	1.2E-01	2.5E-01	9.0E-02	3.2E-02
9.4E-02	7.3E-02	1.0E-01	5.2E-02	3.9E-02	4.7E-02	6.3E-02	7.5E-02	2.3E-01	8.9E-02	4.6E-02
3.3E+00	8.2E+00	6.3E+00	3.5E+01	1.6E+00	0.0E+00	0.0E+00	1.7E+00	4.3E+01	1.0E+01	1.3E+01
0	6	0	54	0	4	0	0	74	0	0
0	0	0	2	0	0	0	1	4	1	0
0	33	0	0	0	75	0	100	100	0	0
0	70	14	57	0	0	0	67	50	0	0
0	15	0	4	0	0	0	50	25	8	0
6	9	0	55	0	0	0	0	0	0	6
0	0	0	100	0	0	0	0	100	0	63
8	0	0	92	7	0	0	11	84	11	36
0	0	0	100	0	0	0	0	67	0	22
0	0	0	0	0	0	0	0	7	39	0
8	0	0	27	0	0	0	0	30	0	0
0	58	50	0	0	0	0	0	83	0	0
0	0	0	0	0	0	0	0	100	20	0
0	0	15	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10	0	0	0
8	0	0	0	0	15	0	44	20	0	0
0	0	0	0	0	29	0	71	25	0	0
0	50	0	0	0	0	0	83	71	0	0
0	73	0	14	0	0	0	73	50	0	0
0	50	0	17	0	0	0	33	33	0	0
0	0	0	53	0	0	0	25	0	0	0
0	0	0	83	0	0	0	0	100	0	0
0	0	0	89	0	0	0	0	82	0	0
0	0	0	33	0	0	0	0	36	0	0
0	0	0	41	0	0	0	0	9	0	0
0	0	0	10	0	27	0	0	25	0	0
0	22	0	0	0	0	0	0	67	0	0
0	0	0	0	0	0	0	0	67	0	0
0	0	33	0	0	0	0	0	33	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	8	0	0	0	4	0	13	10	0	0
0	23	0	5	0	4	0	0	5	0	0
0	0	0	15	0	0	3	7	5	0	0
0	0	0	2	0	0	0	13	0	0	0
0	0	0	3	0	0	0	0	10	0	0
0	0	0	4	0	0	0	0	8	0	0
0	0	0	2	0	0	0	3	1	0	0
0	0	0	10	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	3	1	0
0	2	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	4	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	3	0	0	0	0	0	0
0	0	0	3	0	0	4	0	0	0	0
5.8E-01	2.5E-01	9.3E-01	8.5E-02	7.1E-02	2.1E-01	2.2E-01	5.2E-01	5.5E-01	1.9E-01	4.7E-01
7.7E-02	1.5E-01	3.7E-01	2.5E-01	2.1E-01	2.2E-01	2.4E-01	2.2E-01	1.3E-01	2.3E-01	3.7E-01
2	0	2	2	2	0	2	2	0	8	0
3.3E-01	0.0E+00	-3.6E-01	1.1E-01	4.0E-01	0.0E+00	-7.0E-02	-5.4E-01	0.0E+00	5.1E-02	0.0E+00
2.4E+00	1.7E+01	7.5E+00	1.3E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
At_F0144	At_F0166	At_F0171	At_F0177	At_F0184	At_F0210	At_F0229	At_F0231	At_F0272	At_F0281	At_F0296
-	-	-	-	-	-	-	-	-	-	-
1.4E-03	2.8E-03	1.4E-03	5.6E-03	2.9E-03	8.0E-03	5.0E-03	3.5E-03	8.0E-03	7.8E-03	4.6E-03
1.5E-03	3.1E-03	9.6E-04	8.4E-03	1.6E-03	1.1E-02	8.6E-03	1.5E-03	8.7E-03	4.7E-03	1.5E-02
3.1E-03	1.1E-02	2.0E-03	8.1E-03	7.4E-04	1.4E-02	6.8E-03	1.0E-02	5.3E-03	8.9E-03	7.8E-03
3.5E-02	9.0E-02	3.4E-02	6.6E-02	5.6E-02	1.2E-01	1.1E-01	5.0E-02	8.4E-02	1.5E-01	8.2E-02
3.0E-02	8.9E-02	3.3E-02	7.3E-02	4.2E-02	1.2E-01	9.6E-02	2.3E-02	8.4E-02	4.8E-02	8.7E-02
4.9E-02	1.7E-01	3.7E-02	8.2E-02	3.2E-02	2.1E-01	8.2E-02	8.1E-02	6.7E-02	9.6E-02	5.9E-02
0.0E+00	0.0E+00	1.6E+01	1.3E+01	0.0E+00	3.1E+00	0.0E+00	4.5E+00	4.8E+00	0.0E+00	0.0E+00
0	0	0	7	0	0	0	0	0	0	0
0	1	0	1	1	0	0	1	0	0	0
0	0	0	50	0	0	0	0	0	33	0
0	0	0	9	0	0	29	0	0	0	0
0	0	0	0	0	0	42	19	7	9	0
0	0	0	0	0	0	29	0	0	11	0
0	0	0	0	0	0	0	0	0	0	0
0	0	31	100	0	0	0	17	0	0	0
0	0	36	9	0	0	0	12	0	0	0
0	0	6	0	0	6	0	0	5	0	0
0	0	17	0	0	13	0	0	0	0	0
0	0	0	0	0	0	0	0	17	0	0
0	0	0	0	0	100	0	100	0	0	0
0	0	0	0	0	33	0	67	0	0	0
0	7	0	0	45	75	0	0	0	6	0
0	23	0	0	36	0	0	0	0	0	0
0	50	0	0	86	0	0	67	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	25	0
0	0	0	0	0	0	0	0	8	9	0
0	0	0	0	0	0	0	0	0	19	0
0	0	0	0	0	0	0	0	0	43	0
0	0	0	50	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	33	0	67	0	0	0
0	0	0	0	0	17	0	29	0	0	0
0	33	0	0	0	42	0	8	0	0	0
0	0	0	0	0	0	0	13	0	0	0
0	0	0	0	0	0	0	25	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	1	3	0
0	2	0	0	0	0	0	0	0	2	0
0	0	0	0	3	0	0	0	0	43	0
0	2	0	4	3	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	5	0	25	0	0	0	0	0
0	18	0	0	0	24	0	6	0	0	0
0	0	0	0	0	3	1	4	0	0	0
0	0	0	0	0	0	0	2	0	0	0
0	0	0	0	0	0	0	14	0	0	0
9.8E-02	9.3E-01	8.9E-02	6.2E-01	1.2E-01	1.2E+00	1.8E+00	6.3E-01	1.0E-01	1.1E-01	8.8E-02
1.5E-01	2.7E-01	1.6E-01	3.0E-01	3.3E-01	3.5E-01	2.1E-01	5.0E-01	3.3E-01	3.8E-01	6.6E-01
2	6	0	2	2	2	1	12	3	2	0
-2.8E+00	-6.5E-01	0.0E+00	-2.0E-01	8.1E-01	4.3E-01	0.0E+00	-4.4E+00	2.5E-01	-4.5E-01	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
At_F0298	At_F0303	At_F0307	At_F0332	At_F0345	At_F0351	At_F0367	At_F0382	At_F0394	At_F0470	At_F0487
-	-	-	-	-	-	-	-	-	-	-
1.2E-02	1.5E-02	6.7E-03	2.7E-03	2.6E-03	9.9E-03	7.5E-03	6.1E-03	2.3E-03	8.6E-03	4.9E-03
1.3E-02	7.0E-03	8.9E-03	9.3E-04	1.7E-03	7.8E-03	1.8E-03	1.3E-02	2.2E-03	1.1E-02	3.2E-03
9.7E-03	1.1E-02	1.5E-02	3.7E-03	2.4E-03	1.4E-02	2.6E-03	1.0E-02	1.8E-03	3.4E-03	7.0E-03
2.0E-01	1.1E-01	1.3E-01	5.6E-02	8.2E-02	1.4E-01	1.0E-01	1.0E-01	3.4E-02	8.5E-02	6.9E-02
1.6E-01	7.4E-02	1.2E-01	3.3E-02	4.5E-02	1.7E-01	4.1E-02	7.3E-02	3.8E-02	1.1E-01	3.6E-02
1.5E-01	9.5E-02	2.1E-01	5.3E-02	3.5E-02	1.8E-01	3.5E-02	1.1E-01	2.3E-02	4.9E-02	6.9E-02
9.7E+00	0.0E+00	4.7E+01	0.0E+00	5.0E+00	5.0E+01	0.0E+00	0.0E+00	1.6E+00	2.0E+01	0.0E+00
0	0	74	0	0	50	0	0	0	5	0
0	0	13	0	0	11	1	1	1	0	0
100	0	0	0	0	0	0	0	0	0	0
100	0	14	10	0	25	0	0	0	0	0
0	0	15	8	6	18	0	0	0	0	0
0	0	0	0	0	38	0	0	0	0	0
0	0	100	0	0	100	0	0	0	0	0
0	0	100	0	0	100	0	0	0	0	0
7	0	100	0	0	64	0	0	0	18	0
25	0	0	0	0	27	0	0	0	0	0
9	0	36	11	0	55	0	0	0	45	0
0	0	100	0	40	100	0	0	17	60	0
0	0	100	0	0	100	0	0	0	0	0
0	0	58	0	0	45	0	0	0	0	0
0	0	0	0	0	69	0	0	18	38	0
50	0	0	0	0	50	0	60	56	0	0
50	0	0	0	63	100	0	0	67	60	0
0	0	50	0	0	0	0	0	0	0	0
0	0	43	0	0	33	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	60	0	0	33	0	0	0	0	0
0	0	50	0	0	75	0	0	0	0	0
0	0	58	0	0	0	0	0	0	0	0
0	0	28	0	0	0	0	0	0	0	0
0	0	38	0	0	50	0	0	0	11	0
0	0	80	0	0	0	0	0	0	0	0
0	0	100	0	0	40	0	0	0	0	0
0	0	38	0	0	44	0	0	0	0	0
0	0	6	0	0	5	0	0	0	0	0
0	0	0	0	0	28	0	60	0	0	0
0	0	0	0	0	92	0	100	0	0	0
0	0	4	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	1	0	1	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	15	0	0	0	0	0	0	0	0
0	0	5	0	0	18	2	0	0	0	0
0	0	15	0	0	6	0	0	0	10	0
0	0	5	0	0	4	0	0	0	0	0
0	0	8	0	0	6	0	0	0	0	0
0	0	6	0	0	0	0	5	5	0	0
0	0	14	0	0	4	0	0	0	3	0
0	0	33	0	0	3	0	0	0	0	0
0	0	4	0	0	0	0	0	1	0	0
0	0	0	0	0	2	0	8	0	2	0
0	0	0	0	0	10	0	48	0	3	0
1.6E+00	7.7E-02	5.0E-01	8.1E-02	5.5E-01	3.6E-01	8.3E-02	4.4E-01	6.6E-02	1.6E-01	7.0E-02
3.2E-01	3.1E-01	1.3E-01	2.6E-01	6.0E-01	1.4E-01	1.5E-01	3.3E-01	3.0E-01	2.8E-01	1.4E-01
1	0	0	2	4	0	2	2	2	0	2
0.0E+00	0.0E+00	0.0E+00	-5.0E-01	0.0E+00	0.0E+00	-1.6E+00	-2.1E+00	-7.6E-01	0.0E+00	6.3E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
At_F0493	At_F0497	At_F0511	At_F0537	At_F0540	At_F0637	At_F0639	At_F0655	At_F0685	At_F0692	Atesg0019
-	-	-	-	-	-	-	-	-	-	NA
1.2E-02	1.2E-02	2.2E-03	6.5E-03	3.8E-03	1.4E-02	8.9E-03	4.0E-03	5.7E-03	1.1E-02	3.5E-03
7.2E-03	1.4E-02	2.3E-03	8.8E-03	2.8E-03	5.1E-03	1.2E-02	8.4E-03	1.2E-02	6.2E-03	2.6E-03
3.4E-03	3.8E-03	1.1E-03	1.5E-02	2.0E-03	3.0E-03	1.3E-02	3.3E-03	4.7E-03	6.8E-03	3.4E-03
1.7E-01	1.0E-01	3.9E-02	9.2E-02	4.3E-02	1.0E-01	9.8E-02	9.5E-02	3.9E-02	6.4E-02	6.0E-02
8.7E-02	1.1E-01	6.5E-02	7.2E-02	3.6E-02	5.9E-02	1.1E-01	7.9E-02	6.3E-02	7.0E-02	6.0E-02
1.3E-01	6.5E-02	2.6E-02	1.6E-01	6.1E-02	8.2E-02	1.1E-01	2.3E-02	5.4E-02	5.4E-02	5.7E-02
0.0E+00	1.5E+00	1.9E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	6.5E+00	9.5E+00	3.5E+01	0.0E+00
0	0	0	0	0	0	0	0	4	27	0
1	0	0	0	0	0	0	0	1	2	0
83	0	50	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0
0	0	9	0	0	0	0	9	0	0	0
0	0	12	9	0	0	0	11	0	0	0
0	0	50	0	0	0	0	86	0	0	0
0	0	50	0	0	0	0	75	0	0	0
0	0	22	0	0	0	0	0	25	0	0
0	5	7	0	0	0	0	0	13	35	0
0	0	36	0	0	0	0	0	0	56	0
0	14	20	0	0	0	0	0	0	100	0
0	0	0	0	0	0	0	0	0	100	0
0	0	0	78	0	0	0	0	0	0	0
0	0	0	29	0	0	0	0	0	0	0
20	0	50	25	0	0	0	21	0	0	0
67	0	50	100	0	0	0	20	11	0	0
33	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	14	0	0	0
0	10	0	0	0	0	0	20	0	0	0
0	0	0	0	0	0	0	25	14	0	0
0	0	0	0	0	0	0	0	10	0	0
0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	22	0
0	0	0	0	0	0	0	0	0	40	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	10
0	0	0	50	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	50	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	2	0	0	0
3	0	0	0	0	0	0	12	0	0	0
2	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	4	0
0	0	0	0	0	0	0	0	0	0	4
2	0	0	3	2	2	0	0	0	0	0
0	0	0	13	0	0	0	0	0	0	1
0	0	0	9	0	0	0	0	0	0	0
0	0	0	36	0	0	0	0	3	0	0
5.3E-01	1.2E+00	1.4E-01	9.8E-02	1.8E-01	9.5E-02	5.1E-01	1.1E-01	7.9E-02	1.3E+00	1.2E-01
2.2E-01	1.4E-01	1.3E-01	9.6E-02	3.3E-01	2.2E-01	3.9E-01	4.7E-01	3.3E-01	2.2E-01	6.0E-01
2	2	0	0	0	0	2	2	0	2	2
-2.2E-02	-6.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.3E-02	5.6E-01	0.0E+00	-9.3E-01	4.5E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
Atesg0021	Atesg0055	Atesg0064	Atesg0076	Atesg0117	Atesg0142	Atesg0147	Atesg0164	Atpsg0001	Atpsg0007	Atpsg0009
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.1E-03	6.7E-03	4.2E-03	1.2E-02	2.8E-03	7.0E-03	7.2E-03	8.2E-03	2.1E-03	9.2E-03	1.5E-03
6.2E-03	8.0E-03	4.7E-03	1.7E-02	1.1E-02	1.8E-03	1.9E-03	1.4E-02	3.6E-03	6.5E-03	2.6E-03
7.5E-03	5.3E-03	3.1E-03	4.0E-03	8.0E-03	3.0E-03	5.7E-03	9.0E-03	4.7E-03	6.3E-03	4.9E-03
8.3E-02	7.2E-02	7.9E-02	1.4E-01	5.1E-02	1.2E-01	7.2E-02	1.3E-01	5.8E-02	1.4E-01	6.2E-02
7.6E-02	1.1E-01	7.5E-02	1.4E-01	1.7E-01	7.0E-02	4.6E-02	1.9E-01	4.5E-02	8.2E-02	8.0E-02
7.6E-02	1.4E-01	8.0E-02	6.9E-02	1.0E-01	4.6E-02	8.1E-02	9.1E-02	5.4E-02	7.7E-02	6.0E-02
6.3E+00	5.0E+01	2.2E+01	0.0E+00	3.7E+01	0.0E+00	8.8E+00	5.0E+01	6.1E+00	3.9E+00	0.0E+00
0	70	31	0	75	0	0	89	0	0	0
0	13	8	0	4	0	0	40	0	1	0
0	100	0	0	0	0	0	0	25	0	0
0	44	44	0	0	0	0	0	0	0	0
0	24	37	0	0	0	0	11	0	0	0
0	50	55	0	0	0	0	60	0	9	0
0	100	40	0	0	0	0	100	0	33	0
0	100	92	0	0	0	0	100	67	0	0
0	33	20	0	20	0	0	0	0	0	0
7	27	0	0	33	0	0	20	0	0	0
30	44	8	0	50	0	18	50	0	0	0
0	100	15	0	50	0	50	100	0	43	0
0	0	0	0	100	0	0	22	0	0	0
0	63	0	0	62	0	0	0	0	0	0
0	33	0	0	50	0	0	0	0	0	0
0	17	0	0	0	0	0	0	0	0	0
0	0	100	56	0	0	0	0	0	0	0
0	33	100	0	0	0	0	0	0	0	0
0	56	18	0	0	0	0	0	0	0	0
0	22	13	0	0	0	0	6	0	0	0
0	33	40	0	0	0	0	29	0	0	0
0	100	60	0	0	0	0	89	0	0	0
0	60	50	0	0	0	0	100	0	0	0
0	33	24	0	50	0	0	33	0	0	0
0	36	0	0	0	0	0	33	0	0	0
0	33	0	0	80	0	0	25	0	0	0
0	100	11	0	100	0	0	100	0	0	0
0	100	100	0	50	0	0	0	0	0	0
0	33	0	0	67	0	0	0	0	0	0
0	13	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	33	100	0	0	0	0	0	0	0	0
0	28	0	0	0	0	0	3	0	0	0
3	11	10	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	1	0	2	0
0	5	14	0	0	0	0	34	0	0	0
0	0	10	0	0	0	0	32	0	0	0
0	26	14	0	0	0	0	100	0	0	0
0	16	7	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	18	0	2	0
0	4	2	0	17	0	0	11	0	0	0
0	0	0	0	0	0	0	0	0	0	0
6	6	18	0	12	0	0	0	0	0	0
0	4	0	0	18	0	0	0	0	0	0
0	2	0	0	2	0	0	0	0	0	0
0	7	0	0	0	0	0	0	0	0	4
4	7	24	5	0	0	0	0	4	0	0
5.3E-01	1.8E+00	7.5E-01	5.7E-01	1.1E-01	0.0E+00	1.4E-01	1.7E-01	3.3E-01	8.2E-02	1.7E-01
1.0E-01	9.0E-02	2.2E-01	2.4E-01	2.9E-01	6.4E-02	2.2E-01	2.3E-01	1.4E+00	3.3E-01	3.9E-01
3	2	0	0	0	0	2	0	0	2	0
-5.4E-01	2.7E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	7.8E-01	0.0E+00	0.0E+00	9.2E-02	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
Atpsg0012	Atpsg0015	Atpsg0033	Atpsg0034	Atpsg0048	Atpsg0049	Atpsg0050	Atpsg0052	Atpsg0053	Atpsg0054	Atpsg0056
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.5E-03	5.9E-03	7.6E-03	7.8E-03	2.3E-03	9.6E-03	1.3E-02	1.5E-02	9.5E-03	7.7E-03	3.9E-03
4.2E-03	9.2E-03	6.5E-03	1.4E-03	7.6E-03	7.3E-03	1.0E-02	1.6E-02	3.1E-03	5.0E-03	4.7E-03
6.8E-03	2.5E-04	1.6E-02	1.2E-02	5.5E-03	8.7E-03	6.8E-03	1.5E-02	1.1E-02	5.5E-03	3.0E-03
7.9E-02	5.5E-02	1.0E-01	7.8E-02	4.0E-02	1.6E-01	8.4E-02	1.1E-01	5.1E-02	8.0E-02	6.3E-02
8.5E-02	1.1E-01	7.4E-02	4.8E-02	1.1E-01	1.3E-01	9.0E-02	1.0E-01	3.8E-02	4.4E-02	4.4E-02
8.0E-02	5.0E-03	1.3E-01	1.1E-01	1.1E-01	1.3E-01	6.7E-02	1.1E-01	8.1E-02	6.2E-02	5.7E-02
2.4E+00	4.2E+01	0.0E+00	3.6E+01	3.4E+01	1.3E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	2.8E+00
0	71	0	80	58	67	0	0	0	0	0
0	20	1	3	6	3	0	0	0	0	0
0	0	0	0	75	0	0	0	0	0	0
0	0	0	43	0	0	0	0	0	0	0
0	0	0	33	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	100	0	57	0	0	0	0	0
20	50	0	100	25	0	0	0	0	0	0
0	60	0	14	27	0	0	0	0	0	0
0	17	0	75	56	0	0	0	0	0	0
0	50	0	50	50	50	0	0	0	0	0
0	100	0	100	100	0	0	0	0	0	100
0	0	0	67	100	100	0	0	0	0	71
0	0	0	60	24	50	50	0	0	0	3
0	4	0	0	41	45	0	0	0	0	25
0	6	0	0	60	83	20	0	0	0	33
0	0	0	0	100	100	75	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	8	0	38	0	40	0	0	0	0	0
0	0	0	25	0	0	0	0	0	0	0
0	0	0	0	0	20	0	0	0	0	0
0	17	0	40	0	83	0	0	0	0	0
0	0	0	100	0	100	0	0	0	0	0
0	10	0	14	0	0	0	0	0	0	0
0	39	0	50	22	0	0	0	0	0	0
0	36	0	75	40	50	0	0	0	0	0
0	100	0	0	75	0	0	0	0	0	0
0	33	0	0	86	86	0	0	0	0	0
0	0	0	25	14	40	0	0	0	0	0
0	0	0	0	50	27	0	0	0	0	0
0	8	0	0	0	18	0	0	0	0	43
0	0	0	0	67	83	0	0	0	0	0
0	0	3	0	0	0	0	19	0	0	0
0	4	0	8	0	0	0	3	0	0	0
0	0	0	6	0	0	0	0	0	0	0
0	0	0	0	6	0	0	0	0	0	0
0	0	0	42	0	3	0	0	0	0	0
0	27	0	0	0	0	0	0	0	0	0
0	11	2	0	4	0	0	0	0	0	0
0	10	0	4	0	0	0	0	0	0	0
0	4	0	3	3	0	0	0	0	0	0
0	11	0	0	14	13	0	0	0	0	0
0	3	0	0	26	7	0	0	0	0	0
0	0	0	3	11	4	0	1	0	0	0
0	0	0	0	3	1	0	0	0	0	0
0	5	0	0	5	4	0	0	0	0	0
0	0	0	0	22	9	0	0	0	0	0
4.8E-01	3.6E-01	1.5E-01	8.2E-02	5.4E-02	3.5E-01	9.8E-01	1.4E-01	7.1E-02	5.5E-02	3.8E-01
3.4E-01	1.8E-01	6.7E-01	2.7E-01	2.6E-01	3.3E-01	5.7E-01	3.1E-01	3.6E-01	2.0E-01	6.2E-01
2	0	0	0	0	0	0	2	0	0	0
-3.3E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
Atpsg0057	Atpsg0060	Atpsg0065	Atpsg0068	Atpsg0069	Atpsg0070	Atpsg0071	Atpsg0073	Atpsg0085	Atpsg0089	Atpsg0100
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5.1E-03	2.7E-03	6.4E-03	9.0E-03	3.6E-03	5.6E-03	1.6E-02	3.5E-03	2.4E-03	3.0E-03	2.6E-03
3.2E-03	1.4E-03	6.0E-03	4.9E-03	3.7E-03	1.2E-02	1.1E-02	4.1E-03	7.4E-03	1.0E-03	3.3E-03
4.1E-03	2.7E-03	6.5E-03	9.9E-03	6.7E-03	3.0E-03	1.9E-03	3.0E-03	8.1E-03	1.9E-03	2.7E-03
4.3E-02	4.6E-02	1.7E-01	1.0E-01	8.9E-02	9.8E-02	1.1E-01	6.4E-02	6.3E-02	6.1E-02	4.7E-02
7.1E-02	6.1E-02	1.4E-01	7.6E-02	1.1E-01	1.4E-01	6.0E-02	3.9E-02	5.6E-02	4.0E-02	4.9E-02
5.1E-02	9.1E-02	1.4E-01	1.5E-01	9.1E-02	4.0E-02	3.6E-02	3.7E-02	4.8E-02	4.5E-02	3.9E-02
1.4E+00	0.0E+00	4.6E+01	1.9E+01	8.5E+00	4.6E+01	2.1E+01	6.7E+00	2.4E+00	0.0E+00	5.0E+00
0	0	59	25	22	66	18	0	0	0	0
0	0	6	0	1	7	2	0	0	0	0
0	0	100	0	0	0	100	0	0	0	0
0	0	54	0	0	88	75	0	0	0	0
0	0	43	0	0	10	21	25	20	0	0
0	0	50	17	0	44	64	0	0	0	0
0	0	100	40	100	100	75	0	0	0	0
0	0	100	38	33	100	100	0	0	0	17
7	0	54	50	0	31	14	25	0	0	0
0	0	38	33	0	39	0	0	0	0	0
0	0	60	0	0	47	0	0	13	0	0
0	0	100	50	0	75	0	0	0	0	22
0	0	100	100	0	100	0	0	33	0	0
0	0	67	25	0	33	0	0	0	0	0
0	0	20	38	0	10	0	0	0	0	0
0	0	38	0	0	7	0	0	0	14	0
0	0	80	0	0	43	0	0	0	100	0
0	0	100	0	0	25	100	0	100	0	0
0	0	22	0	0	21	40	0	0	0	0
0	0	21	0	0	37	20	0	0	0	0
0	0	44	0	0	45	38	0	0	0	13
0	0	0	0	25	100	25	0	0	0	0
0	0	100	0	40	67	100	0	0	0	0
0	0	33	11	0	48	14	0	0	0	0
0	0	20	21	0	21	0	0	0	0	0
0	0	36	25	0	26	0	0	0	0	0
0	0	50	50	0	50	0	0	0	0	0
0	0	100	78	0	0	0	0	0	0	0
0	0	43	41	0	27	0	0	0	0	0
0	0	25	31	0	5	0	0	0	0	0
0	0	40	0	0	7	0	11	0	0	0
0	0	33	0	0	25	0	0	0	100	0
0	0	0	0	0	7	25	0	50	5	0
0	0	2	0	0	2	6	0	0	0	0
0	0	5	0	0	2	0	0	7	0	0
0	0	0	0	0	3	1	0	0	0	0
0	0	0	0	0	11	3	0	0	0	4
0	0	9	0	1	6	3	0	0	0	0
0	0	0	0	0	3	2	0	0	0	0
0	0	5	4	0	7	0	0	0	0	0
0	0	2	2	0	1	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0
4	0	3	5	0	0	0	0	0	0	0
0	0	5	8	0	0	0	0	2	0	2
0	0	1	7	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	2
0	0	0	0	0	4	0	0	0	31	0
3.0E+00	9.7E-02	2.4E-01	1.7E-01	9.7E-01	4.4E-01	2.1E-01	9.8E-02	3.9E-02	1.3E-01	2.2E-01
2.3E-01	2.3E-01	4.5E-01	3.2E-01	2.1E-01	5.4E-01	1.9E-01	3.5E-01	3.3E-01	7.2E-01	4.4E-01
2	0	0	0	1	2	5	0	1	0	1
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-1.1E-01	-1.9E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
Atpsg0102	Atpsg0103	Atpsg0105	Atpsg0107	Atpsg0121	Atpsg0122	Atpsg0124	Atpsg0131	Atpsg0135	Atpsg0136	Atpsg0138
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7.0E-03	5.6E-03	1.4E-02	4.9E-03	5.5E-03	1.9E-03	2.2E-03	9.2E-03	4.2E-03	1.3E-02	1.1E-03
4.7E-03	1.0E-02	2.0E-02	3.6E-03	7.0E-03	1.6E-03	4.2E-03	9.5E-03	4.6E-03	9.3E-03	3.0E-03
6.9E-03	5.1E-03	9.4E-03	4.7E-03	7.4E-03	3.7E-03	5.5E-03	6.4E-03	6.5E-03	7.9E-03	7.5E-03
1.5E-01	8.2E-02	8.8E-02	1.2E-01	5.2E-02	3.7E-02	6.2E-02	6.8E-02	6.8E-02	1.2E-01	6.1E-02
1.4E-01	9.8E-02	1.1E-01	8.6E-02	8.0E-02	5.0E-02	4.8E-02	7.6E-02	7.6E-02	1.3E-01	6.2E-02
1.8E-01	8.0E-02	1.2E-01	7.0E-02	8.0E-02	5.9E-02	5.8E-02	5.6E-02	7.3E-02	8.1E-02	1.0E-01
2.0E+01	7.1E+00	0.0E+00	0.0E+00	3.2E+00	1.9E+01	0.0E+00	4.0E+00	2.3E+00	2.9E+00	0.0E+00
0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	8	0	1	1	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	13	0	0	0	0	0	0	50
0	0	30	8	0	0	0	25	22	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	50	0	0	0	14	0
0	0	0	0	0	75	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
5	33	0	0	0	0	0	29	8	0	0
59	50	0	0	33	33	0	0	14	0	0
100	0	0	0	50	0	0	0	0	0	0
0	0	29	0	33	0	0	0	0	0	50
0	0	71	0	18	0	0	0	0	0	33
0	0	0	0	75	0	0	0	0	0	38
0	0	0	0	50	0	0	0	0	0	100
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	14	0	0	0	0	0	0	22
0	0	40	25	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	63	0	0	0	0	0	0	0	0
0	0	38	0	0	0	0	0	0	0	22
0	0	0	0	0	0	0	0	0	0	23
0	0	0	0	0	0	0	0	0	0	100
4	0	0	0	0	0	0	0	4	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	1	0	0	2
0	0	4	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	26
0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	14	0	2	2	0	0
0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	3	0	0	0	0	0	0	0	0	0
0	0	29	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	3	0	0
0	0	0	0	0	0	0	0	0	0	11
1.5E+00	9.7E-02	3.4E+00	5.1E-01	3.3E-01	2.7E-01	7.5E-02	2.0E+00	7.7E-01	1.1E-01	4.6E-01
8.0E-01	3.8E-01	4.5E-01	4.9E-01	1.3E-01	2.9E-01	5.3E-01	3.4E-01	3.5E-01	6.3E-01	5.6E-01
0	0	2	0	3	0	1	0	0	2	0
0.0E+00	0.0E+00	-1.2E+00	0.0E+00	-1.4E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-7.4E-02	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
Atpsg0141	Atpsg0144	Atpsg0150	Atpsg0157	Atpsg0160	Atpsg0161	Atpsg0162	Atpsg0163	Atpsg0166	Atpsg0167	Atpsg0169
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1.2E-03	8.4E-03	1.1E-02	7.6E-03	3.4E-03	7.7E-03	4.0E-03	7.3E-03	3.9E-03	9.5E-03	3.9E-03
8.4E-06	5.4E-03	1.0E-02	8.7E-03	1.7E-03	5.0E-03	1.1E-02	2.1E-02	3.2E-03	5.8E-03	4.0E-03
8.8E-03	1.3E-02	9.1E-03	3.8E-03	5.5E-03	5.7E-03	7.6E-03	7.7E-03	5.2E-03	7.0E-03	1.3E-03
1.2E-02	1.1E-01	2.2E-01	1.3E-01	5.1E-02	6.5E-02	9.9E-02	1.0E-01	4.7E-02	1.0E-01	8.1E-02
1.8E-03	9.4E-02	2.3E-01	1.2E-01	3.5E-02	6.3E-02	1.6E-01	1.5E-01	5.0E-02	1.1E-01	6.8E-02
4.7E-02	1.3E-01	2.1E-01	9.7E-02	6.5E-02	6.7E-02	1.2E-01	1.0E-01	5.9E-02	9.7E-02	3.7E-02
8.8E+00	0.0E+00	4.4E+01	4.5E+01	0.0E+00	0.0E+00	3.5E+01	4.4E+00	0.0E+00	5.0E+01	3.2E+01
0	0	58	100	0	0	67	0	0	91	40
0	0	3	25	0	1	32	1	2	21	4
0	0	100	0	0	0	0	71	0	0	100
18	0	29	0	0	0	0	29	0	54	30
7	0	10	0	0	0	0	21	0	26	14
5	7	33	0	0	0	0	60	0	53	19
33	0	0	100	0	0	100	0	0	100	56
0	0	100	0	0	0	0	0	0	100	100
11	0	60	33	0	0	0	7	0	67	18
10	0	20	63	0	0	29	0	0	33	42
5	0	50	0	0	0	20	17	0	44	8
27	0	100	100	0	0	100	0	0	100	57
0	0	100	100	50	0	100	0	0	0	0
0	0	0	100	0	0	60	0	0	8	0
13	0	0	0	0	0	27	8	0	27	0
0	0	0	40	0	0	0	50	0	40	20
33	0	0	100	0	0	0	100	67	75	67
0	0	100	0	0	20	0	0	0	0	0
0	0	0	0	0	0	25	0	0	36	13
0	0	0	0	0	0	0	0	0	27	7
0	0	0	25	0	0	0	11	0	47	9
0	0	0	25	0	0	0	0	0	88	0
0	0	0	100	0	0	0	0	0	83	60
0	0	50	0	0	0	50	0	0	17	0
0	0	0	0	0	0	50	0	0	40	32
0	0	50	0	0	0	33	0	0	44	10
0	0	67	0	0	0	0	0	0	100	20
0	0	100	100	0	0	83	0	0	63	0
0	0	50	33	0	0	60	0	0	35	0
0	0	0	20	0	0	14	20	0	28	0
0	0	0	26	0	0	0	38	0	47	0
0	0	50	20	0	0	0	100	0	50	0
0	0	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	23	2
0	0	0	0	0	0	0	0	1	7	0
0	5	0	0	0	0	0	0	0	8	0
0	0	0	5	0	0	0	0	0	24	0
0	0	7	13	0	0	0	3	0	15	14
0	0	0	19	0	0	28	0	4	13	0
0	0	0	12	0	0	14	1	0	4	0
0	0	0	10	0	0	26	0	0	14	0
0	0	0	22	0	3	7	0	0	20	0
0	23	3	43	0	0	14	4	0	17	0
0	0	0	10	0	0	36	0	0	8	0
0	0	0	14	0	0	13	0	0	2	0
0	0	0	27	0	0	0	9	0	8	0
0	0	0	5	0	0	0	35	0	0	0
9.8E-01	2.2E-01	8.0E-01	5.2E-01	1.6E-01	3.7E-01	1.6E-01	2.7E+00	2.9E-01	1.2E-01	4.6E-01
4.0E-01	2.9E-01	3.3E-01	3.5E-01	7.5E-01	8.8E-01	2.7E-01	2.5E-01	2.9E-01	1.8E-01	2.0E-01
1	0	2	0	0	0	0	0	0	0	2
0.0E+00	0.0E+00	-3.6E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	5.6E-01
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare	Pseudo_Rare
Atpsg0170	Atpsg0174	Atpsg0179	Atpsg0182	Atpsg0183	Atpsg0185	Atpsg0187
NA	NA	NA	NA	NA	NA	NA
8.1E-03	4.1E-03	9.6E-03	0.0E+00	0.0E+00	5.3E-03	9.7E-03
1.3E-02	8.4E-03	2.0E-02	0.0E+00	0.0E+00	2.4E-03	8.0E-03
8.6E-03	1.6E-02	1.3E-02	0.0E+00	0.0E+00	9.7E-03	9.2E-03
1.3E-01	7.2E-02	1.0E-01	0.0E+00	0.0E+00	4.1E-02	1.5E-01
1.5E-01	9.2E-02	1.1E-01	0.0E+00	0.0E+00	1.6E-02	9.8E-02
2.0E-01	1.9E-01	1.6E-01	0.0E+00	0.0E+00	4.4E-02	1.4E-01
5.0E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	2.7E+00	0.0E+00
60	0	0	0	0	0	0
5	0	0	0	0	0	4
75	0	0	0	0	0	0
25	0	0	0	0	6	0
0	0	0	0	0	13	0
17	0	0	0	0	0	0
100	0	0	0	0	0	0
100	0	0	0	0	0	0
50	0	0	0	0	6	0
25	0	0	0	0	0	0
50	0	0	0	0	14	0
100	0	0	0	0	0	0
93	0	0	0	0	0	67
63	0	0	0	0	0	50
40	67	19	0	0	0	0
0	100	60	0	0	0	25
67	0	100	0	0	0	100
0	0	0	0	0	0	0
22	0	0	0	0	0	0
25	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
50	0	0	0	0	0	0
33	0	0	0	0	0	0
50	0	0	0	0	0	0
0	0	0	0	0	0	0
50	0	0	0	0	0	50
31	0	0	0	0	0	0
73	36	27	0	0	0	10
100	33	0	0	0	0	7
0	0	100	0	0	0	0
0	0	0	0	0	0	0
23	0	0	0	0	0	0
11	0	0	0	0	0	0
0	0	0	0	0	0	0
6	0	0	0	0	0	4
0	0	0	0	0	0	0
7	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	0	0	17
18	0	0	0	0	0	0
33	0	3	0	0	0	0
6	0	0	0	0	0	0
8	9	3	0	0	0	0
6	2	17	0	0	0	0
12	55	21	0	0	5	0
1.2E-01	2.0E-01	1.9E+00	0.0E+00	0.0E+00	5.0E-01	1.9E-01
4.3E-01	5.1E-01	1.4E+00	3.1E-01	3.1E-01	3.7E-01	3.3E-01
0	2	0	1	1	2	0
0.0E+00	-6.2E-01	0.0E+00	0.0E+00	0.0E+00	6.0E-02	0.0E+00
0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Note:
FBX_ID was described in Hua *et al*. (*PLoS One* 2011 (6): e16219);
The list of gene body (GB) methylated (bm) or non-methylated(-) *FBX* genes was retreived from Takuno and Gaut (Mol Biol Evol 2012 (29):219-227);
58 gene parameters are described in Fig. S5;