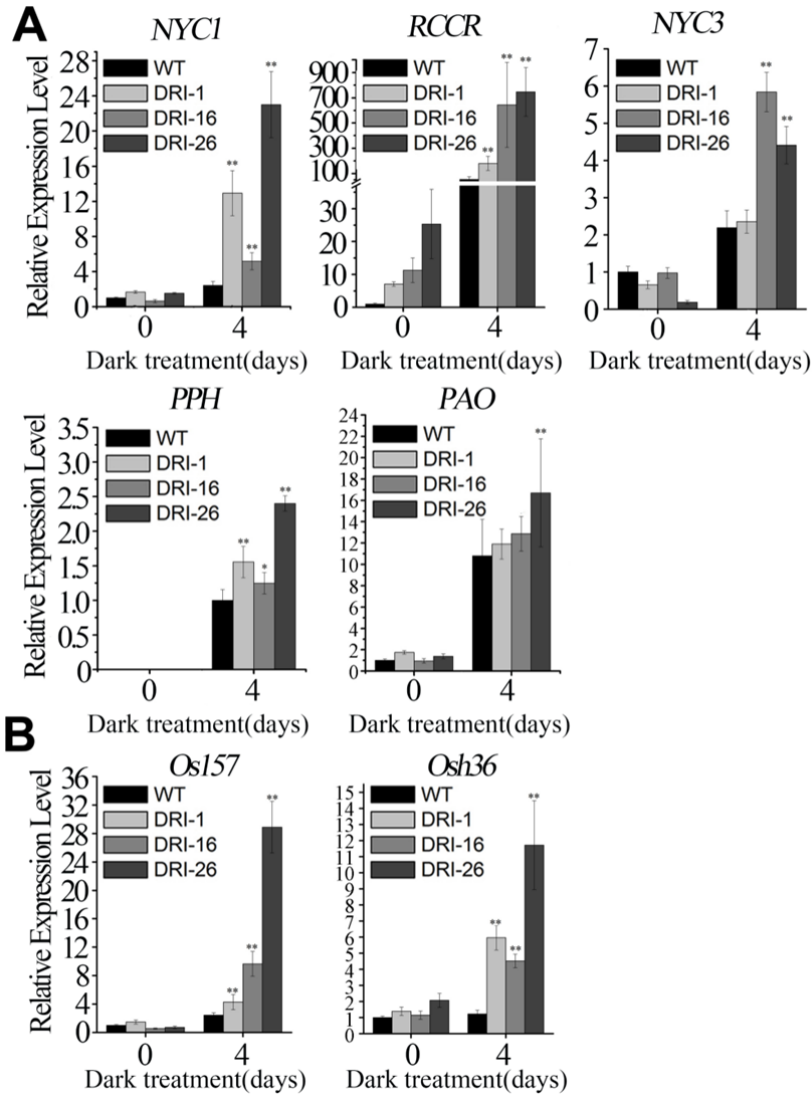


1 Supplemental Data

2 Supplemental Figure S1. *OsDETI* deficiency accelerates the expression of *CDGs* and
 3 *SAGs* during dark-induced leaf senescence



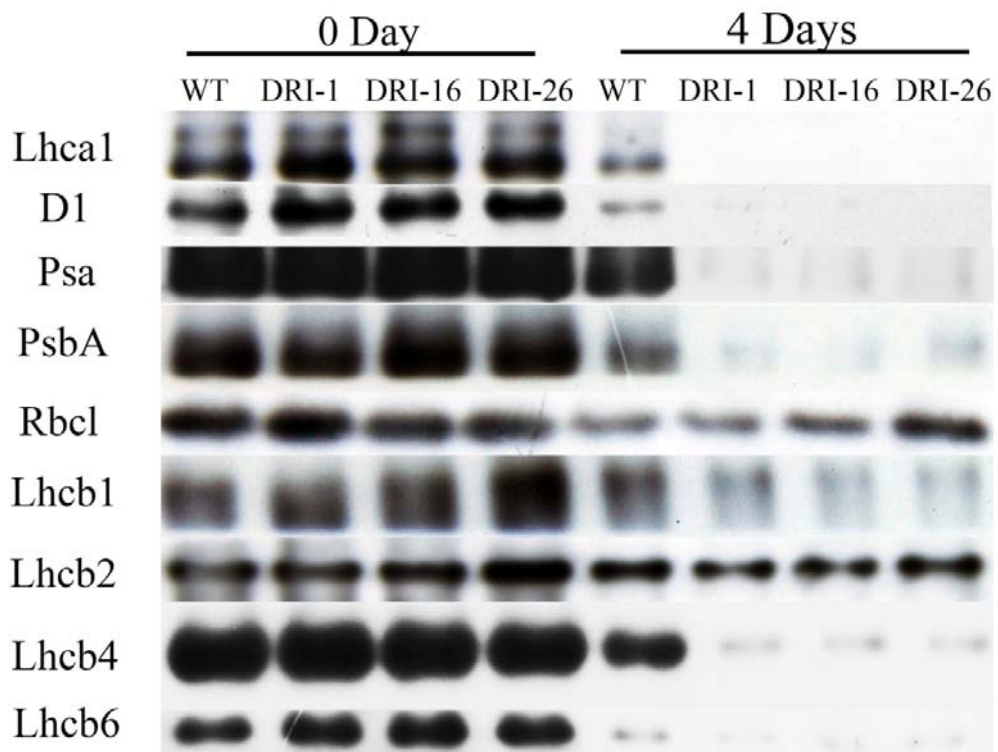
4

5 Figure S1. *OsDETI* deficiency accelerates the expression of *CDGs* and *SAGs* during
 6 dark-induced leaf senescence

7 A, Expression of *CDGs* (*PAO*, *NYCI*, *NYC3*, *RCCR* and *PPH*) in WT and *OsDETI*
 8 RNAi lines during dark incubation. B, Expression of *SAGs* (*Osh36* and *Os157*) in WT
 9 plants and *OsDETI* RNAi lines during dark incubation. *, P ≤ 0.05 (Student's t test),
 10 **, P ≤ 0.01 (Student's t test).

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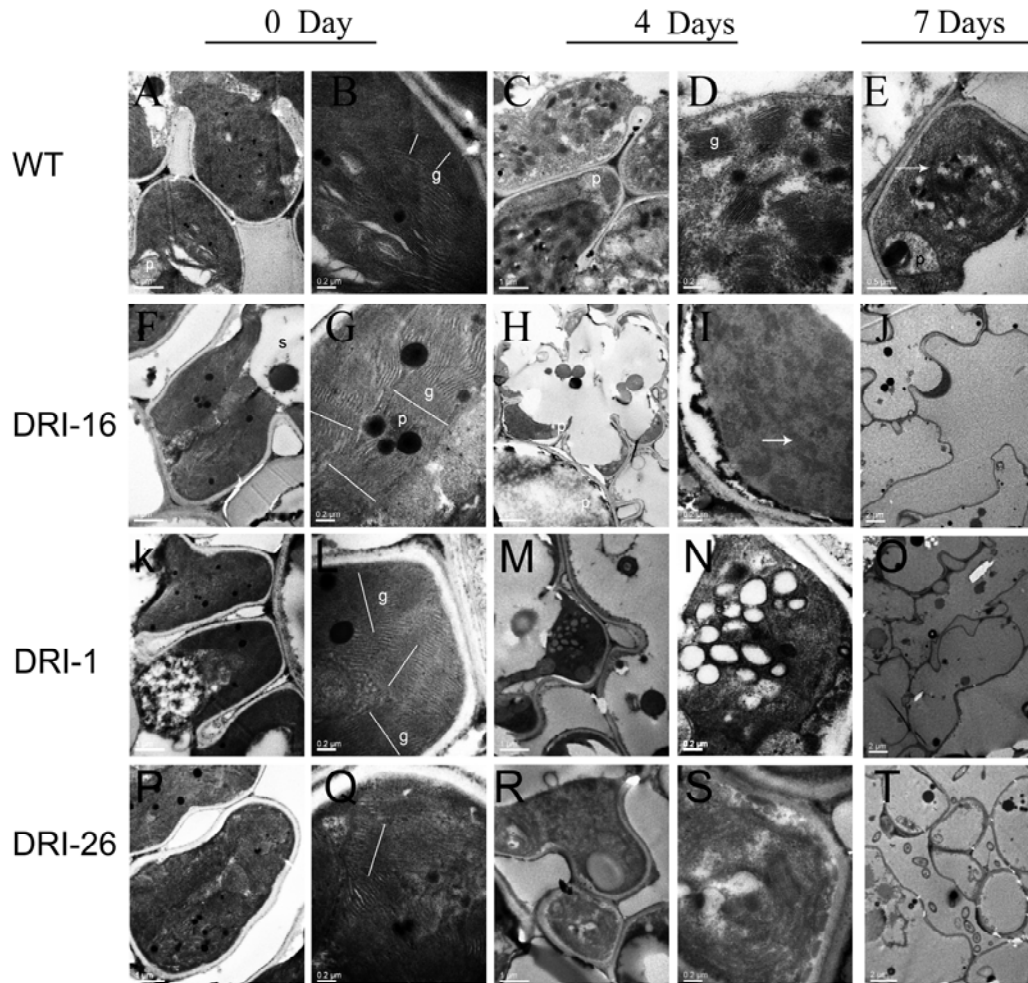
12 Supplemental Figure S2. Photosynthetic proteins degradation during dark-induced
13 leaf senescence



14
15 Figure S2. Photosynthetic proteins degradation during dark-induced leaf senescence.
16 A, Western blotting analysis of photosynthetic proteins from the detached leaves at 0
17 day and 5 day after dark incubation.

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28 Supplemental Figure S3. The ultrastructural changes of chloroplast in *OsDETI* RNAi
 29 lines and WT during dark incubation

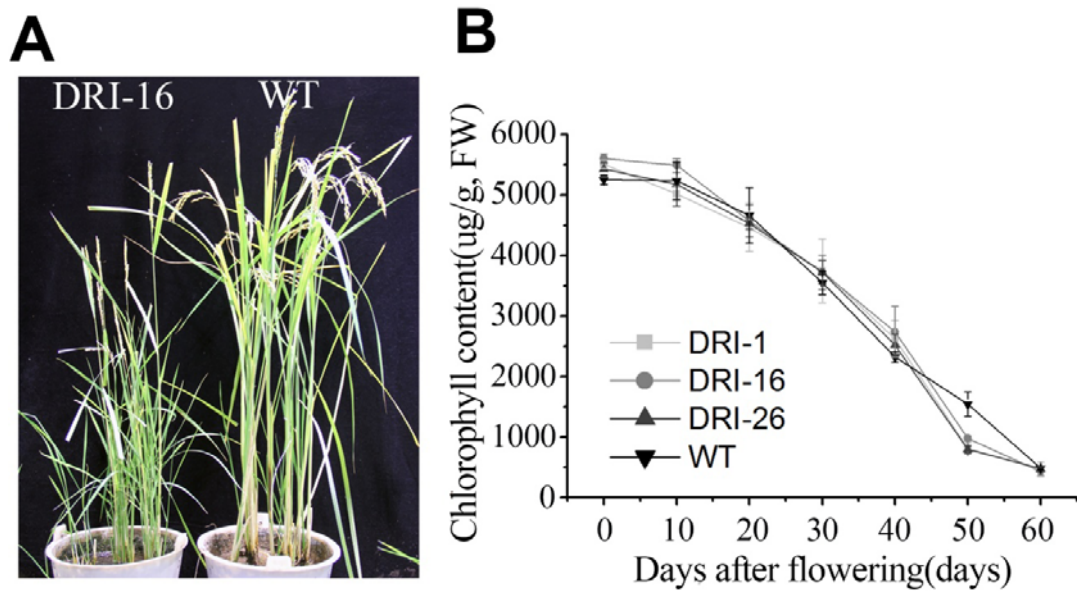


30

31 Figure S3. The ultrastructural changes of chloroplast in *OsDETI* RNAi lines and WT
 32 during dark incubation.

33 A, A, F, K and P, the ultrastructure of chloroplasts in WT, DRI-16 DRI-1and DRI-26
 34 from the penultimate leaves of tillering stage; B, B, G, L and Q, An enlarged partial
 35 view of A, F, K and P; C, C, H, M and R, the ultrastructure of chloroplasts in WT,
 36 DRI-16 DRI-1and DRI-26 after 4 days dark incubation; D, D, I, N and S, An enlarged
 37 partial view of C, H, M and R; E, E, G, O and T, the ultrastructure of chloroplasts in
 38 WT, DRI-16 DRI-1 and DRI-26 after 7 days dark incubation. g, grana; p,
 39 plastoglobule; og, osmiophilic granules; s, starch granule. The arrowhead indicates
 40 residual grana stacks; White lines indicates the width of grana stacks.

41 Supplemental Figure S4. Characterization of *OsDETI* RNAi plants at the late filling
42 stage



43

44 Figure S4. Characterization of *OsDETI* RNAi plants at the late filling stage.

45 A, Phenotype of *OsDETI* RNAi plants at the late filling stage.

46 B, Chlorophyll contents of the flag leaf in *OsDETI* RNAi lines and WT after
47 flowering. Values are means \pm SD of 5 measurements. FW, fresh weight.

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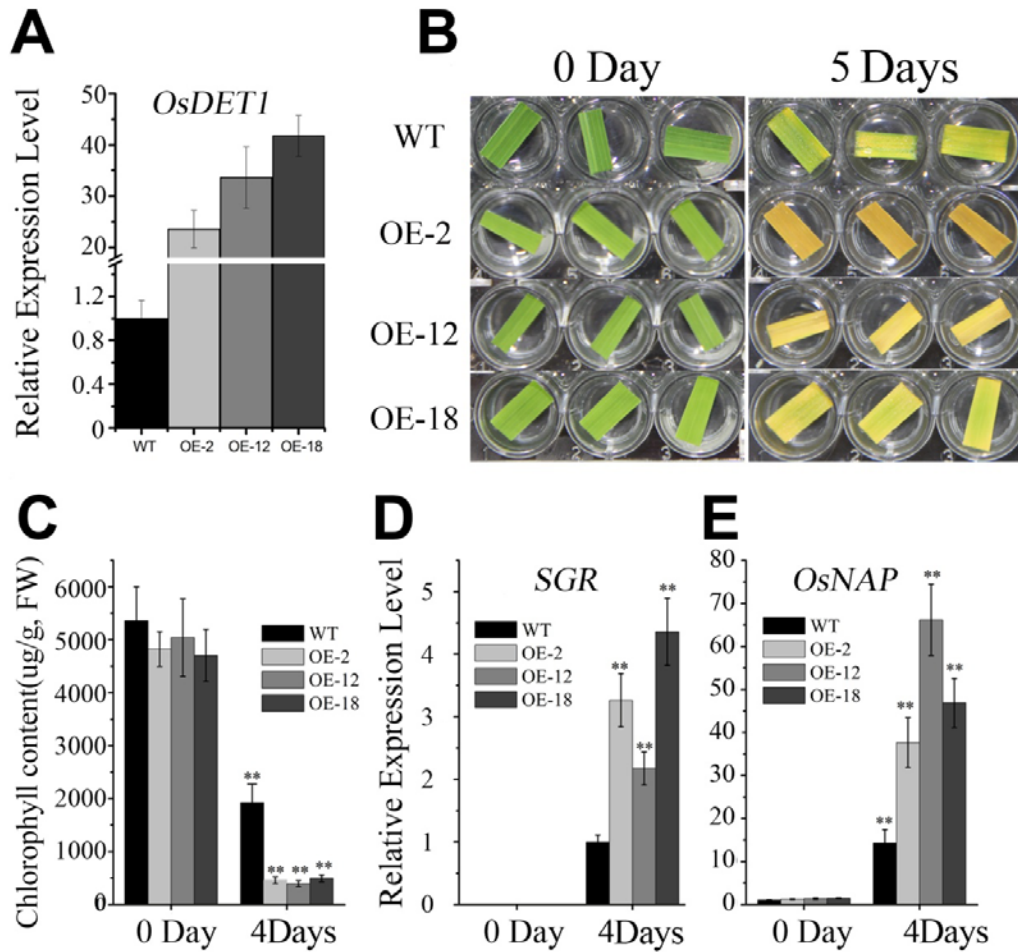
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59 Supplemental Figure S5. Over Expression of *OsDETI* accelerates dark-induced leaf
 60 senescence



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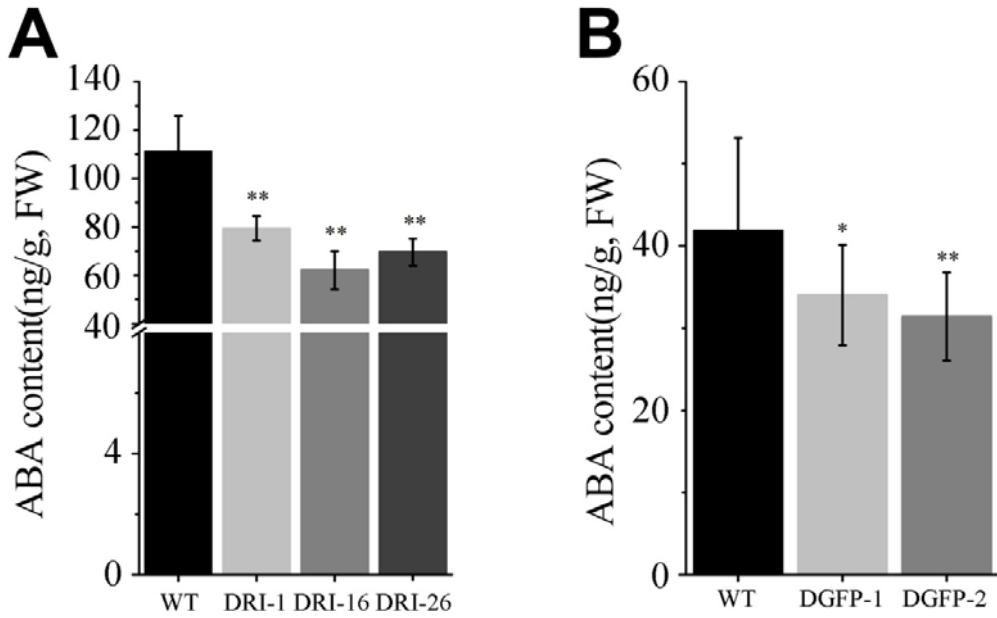
62 Figure S5. Over Expression of *OsDETI* accelerates dark-induced leaf senescence. The
 63 penultimate leaves were detached and incubated with water in darkness at the tillering
 64 stage. A, qRT-PCR analyzes the expression of *OsDETI* in OE-*OsDETI* lines and WT.
 65 B, Over Expression of *OsDETI* accelerates dark-induced leaf senescence. C,
 66 Chlorophyll contents in OE-*OsDETI* and WT plants during dark incubation. Values
 67 are means \pm SD of 9 measurements. D and E, Expression of *SGR* and *OsNAP* in WT
 68 and OE-*OsDETI* lines during the dark-induced. **, $P \leq 0.01$ (Student's t test).

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72 Supplemental Figure S6. *OsDET1* deficiency and overexpressing *OsDET1-GFP*
73 decrease the ABA content in leaf



74

75 Figure S6. *OsDET1* deficiency and overexpressing *OsDET1-GFP* decrease the ABA
76 content in leaves. A, The ABA content of flag leaves in *OsDET1* RNAi lines and WT
77 after 35 days flowering. B, The ABA content of flag leaves in *OsDET1-GFP* plants
78 and WT in tillering stage leaf. Values are means \pm SD of 3 measurements. FW, fresh
79 weight. *, $P \leq 0.05$ (Student's t test), **, $P \leq 0.01$ (Student's t test).

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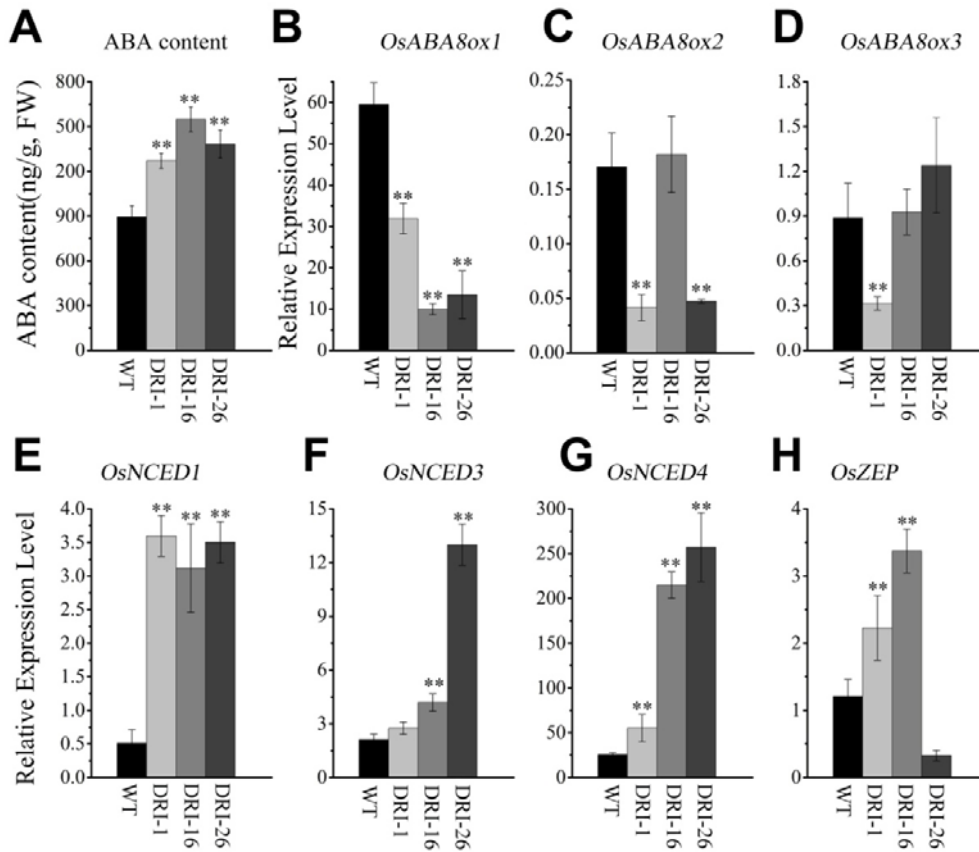
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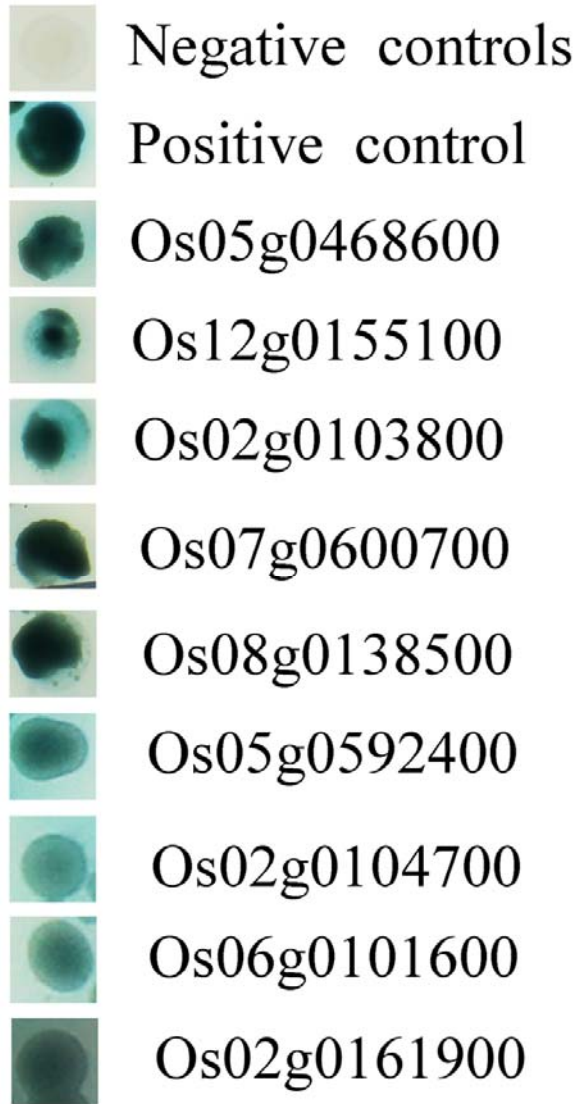
88 Supplemental Figure S7. The ABA biosynthesis of *OsDET1* RNAi lines during dark
 89 treatment



90
 91 Figure S7. The ABA biosynthesis of *OsDET1* RNAi lines during dark treatment. A,
 92 ABA content in WT and transgenic plants. The penultimate leaves of tillering stage
 93 were detached and incubated with water in darkness four days. **, $P \leq 0.01$ (Student's
 94 t test). B to D, Expression of ABA inactivation genes (*OsABA8ox1*, *OsABA8ox2* and
 95 *OsABA8ox3*) in WT and *OsDET1* RNAi lines. **, $P \leq 0.01$ (Student's t test). E to H,
 96 Expression of ABA biosynthesis genes (*OsNCED1*, *OsNCED3*, *OsNCED4* and
 97 *OsZEP*) in WT and transgenic lines. **, $P \leq 0.01$ (Student's t test).

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101 Supplemental Figure S8. OsDET1 interacts with the candidate proteins both in vivo

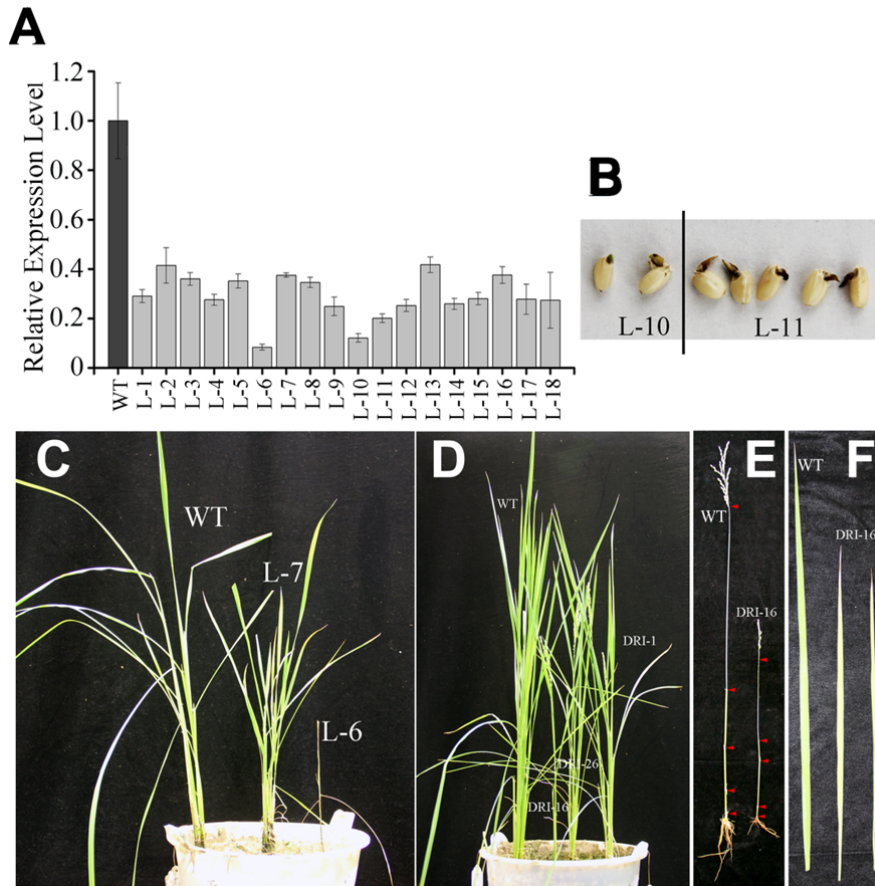


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103 Figure S8. OsDET1 interacts with the candidate proteins both in vivo.
104 pGAD-candidate proteins and pGBK-*OsDET1* plasmid were co-transformed into
105 Y2H yeast cells incubation on QDO/X/A medium containing 3-AT 3days. Mating of
106 Y2HGold (pGBKT7-53) and Y187 (pGADT7-T) was the positive control, Mating of
107 Y2HGold (pGBKT7-Lam) and Y187 (pGADT7-T) as the negative control.

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109 Supplemental Figure S9. *OsDETI* deficiency leads to pleiotropic phenotypes in
110 *OsDETI* RNAi lines

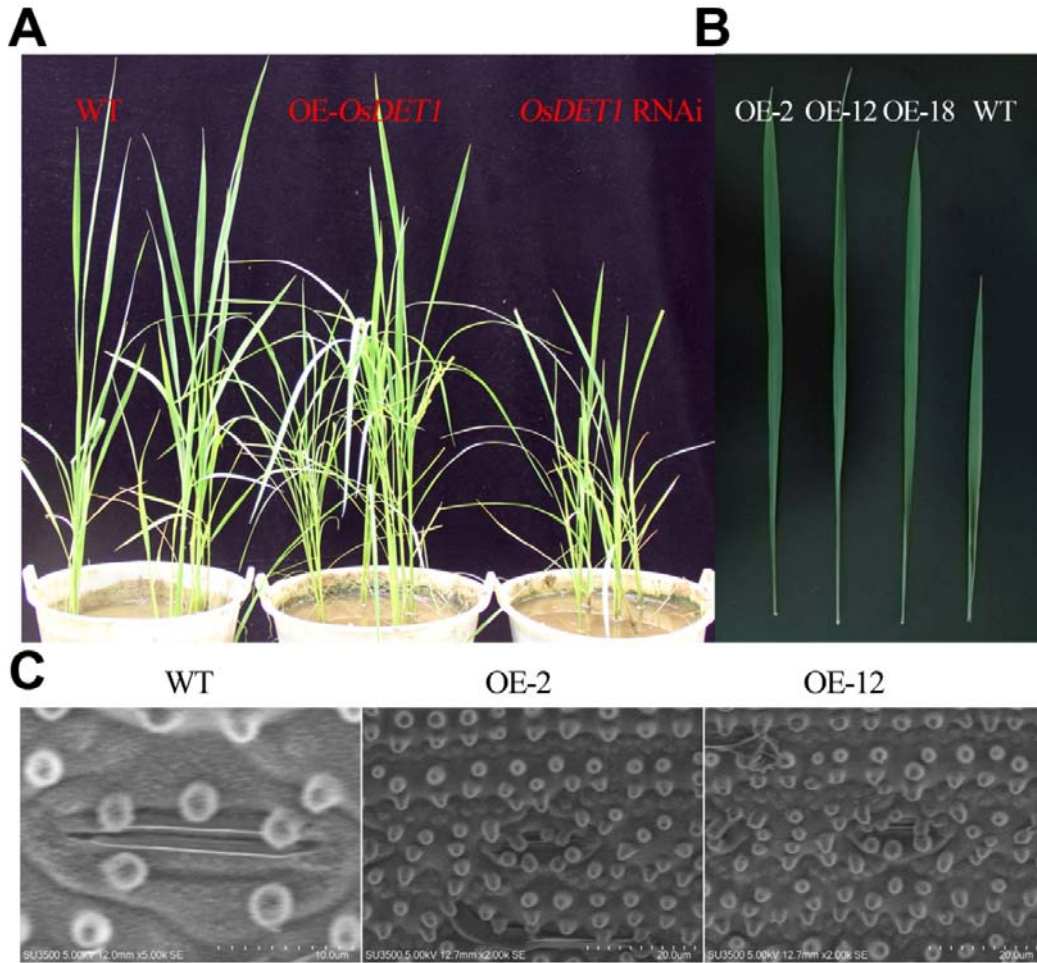


111

112 Figure S9. *OsDETI* deficiency leads to pleiotropic phenotypes in *OsDETI* RNAi
113 lines.

114 A, The transcriptional level of *OsDETI* in T0 *OsDETI* RNAi transgenic lines. The
115 penultimate leaf at the tillering stage was tested. Values are means \pm SD of 3
116 measurements. B, Excessive RNAi treatment lead to the T1 seeds of L-10 and L-11
117 cannot germinate. C, Phenotypes of T0 *OsDETI* RNAi plants in the vegetative growth
118 stage. *OsDETI* RNAi lines showed a dwarf phenotype compared with WT (L-7 and
119 L-6). Excessive RNAi treatment caused L-6 death in vegetative growth stage. D,
120 Phenotypes of *OsDETI* RNAi plants in flowering stage. E, The length of *OsDETI*
121 RNAi plants and WT main culm. F, The length of *OsDETI* RNAi plants and WT flag
122 leaf.

123 Supplemental Figure S10. Overexpressing *OsDET1* caused pleiotropic phenotypes
124 in OE-*OsDET1* plants



125

126 Figure S10. Overexpressing *OsDET1* caused pleiotropic phenotypes in
127 OE-*OsDET1* plants.

128 A, Phenotypes of OE-*OsDET1* plants in flowering stage. OE-*OsDET1* plants lines
129 showed a drooping leaf phenotype. B, The length of OE-*OsDET1* plants and WT
130 flag leaf. C, Stomatal aperture and wax crystallization were observed by scanning
131 electron microscope. More wax crystallization existed on the OE-*OsDET1* plants
132 stomatal aperture than WT.

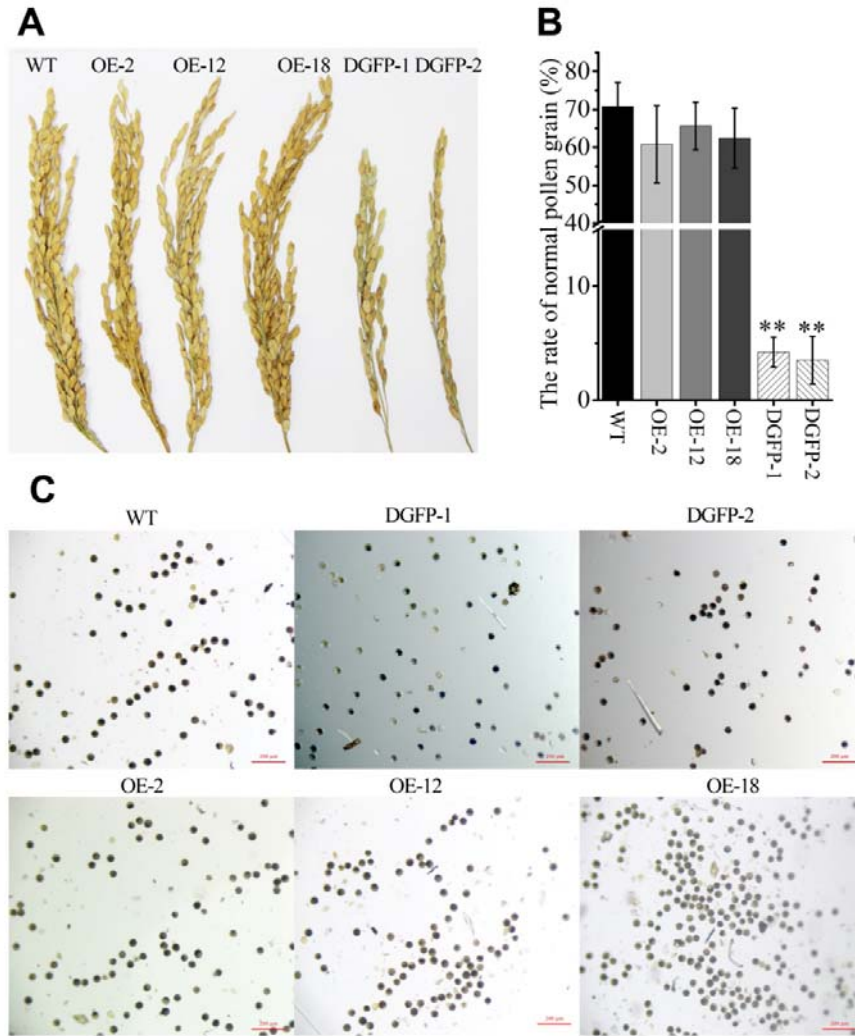
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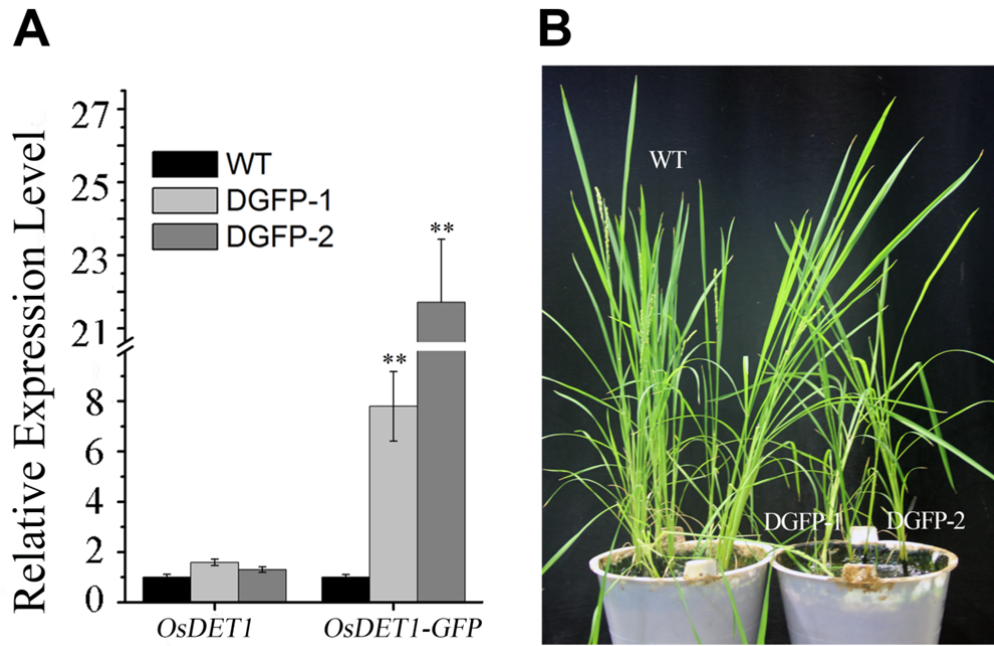
137 Supplemental Figure S11. Different function of overexpressing *OsDET1-GFP* or
138 *OsDET1* in pollination and fertilization processes in the flower



139

140 Figure S11. Different function of overexpressing *OsDET1-GFP* or *OsDET1* in
141 pollination and fertilization processes in the flower.

142 A, Spikelets from WT, *OsDET1-GFP* and OE-*OsDET1* lines showed that
143 overexpressing *OsDET1-GFP* caused infertile spikelets. B and C, Pollen grains
144 morphology analysis showed the pollen grains of *OsDET1-GFP* plants under ABA
145 stress. Pollen grains were isolated from WT, *OsDET1-GFP* and OE-*OsDET1* plants
146 and tested under the microscope. Three photographs were used for statistic analysis.
147 Representative graphs are shown. **, $P \leq 0.01$ (Student's t test). Bar = 200 μm .



149

150 Figure S12. Phenotype of *OsDET1-GFP* plant.

151 A, The expression level of *OsDET1-GFP* and endogenous *OsDET1* in *OsDET1-GFP*
152 plants and WT. B, The phenotypes of *OsDET1-GFP* plants. **, $P \leq 0.01$ (Student's t
153 test).

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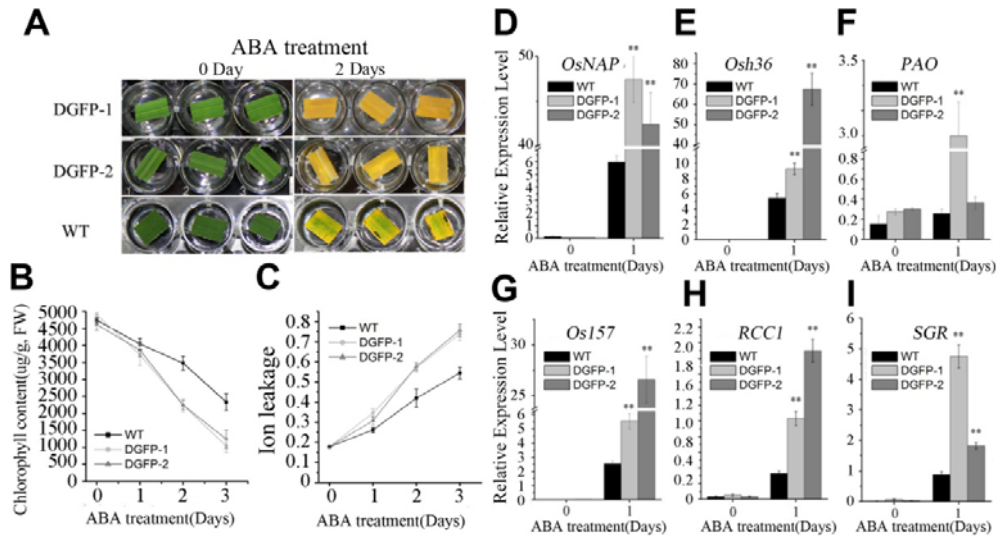
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163 Supplemental Figure S13. Overexpressing *OsDET1-GFP* accelerates ABA-induced
 164 leaf senescence



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166 Figure S13. Overexpressing *OsDET1-GFP* accelerates ABA-induced leaf senescence.
 167 The penultimate leaves were detached and incubated with water containing 50 μ M
 168 ABA in light, no added ABA as control. A to C, Analysis of the leaves senescence
 169 syndromes demonstrated that overexpressing *OsDET1-GFP* promotes ABA-induced
 170 leaf senescence. D to I, Expression of *CDGs* and *SAGs* in WT and *OsDET1-GFP*
 171 plants after treatment with 50 μ M ABA. **, $P \leq 0.01$ (Student's t test).

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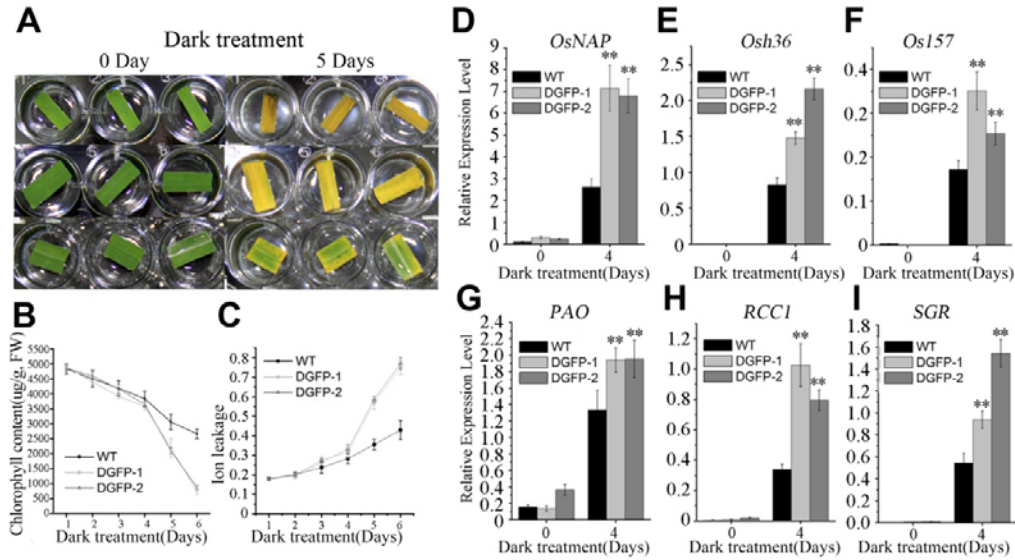
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180 Supplemental Figure S14. Overexpressing *OsDET1-GFP* accelerates dark-induced
 181 leaf senescence in rice



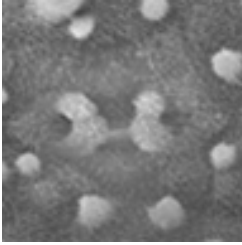
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183 Figure S14. Overexpressing *OsDET1-GFP* accelerates dark-induced leaf senescence
 184 in rice. The penultimate leaves were detached and incubated with water in darkness at
 185 the tillering stage. A to C, Analysis of the leaves senescence syndromes demonstrated
 186 that overexpressing *OsDET1-GFP* promotes dark-induced leaf senescence. D to I,
 187 Expression of *CDGs* and *SAGs* in WT and *OsDET1-GFP* plants after dark treatment.
 188 **, $P \leq 0.01$ (Student's t test).

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191 VTOC Icon



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193 The contradictory ABA-related phenotypes of *OsDET1* RNAi plants leaf, stoma
194 was closure, but wax crystallization and accumulation are weakened in normal
195 condition.

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216 Supplemental Table S1

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Agronomic traits of *OsDET1* RNAi lines

| Plant type, line | WT | DRI-1 | DRI-16 | DRI-26 |
|------------------------------------|------------|---------------|---------------|--------------|
| Shoot height, cm | 126.4±6.4 | 81.6±4.6** | 73.4±6.3** | 80.8±9.9** |
| The number of tillers | 7.2±1.3 | 4±0.7** | 3.6±0.5** | 3.8±0.8** |
| The number of leaves | 12.2±0.8 | 9.2±0.8** | 9±0.7** | 9.2±0.8** |
| The number of panicles | 5.6±1.3 | 3.8±0.8** | 2.8±0.4** | 3.2±0.8** |
| Dry weight of vegetative organs, g | 18.36±1.5 | 12.76±0.8** | 9.96±1.8** | 10.78±3.1** |
| The number of primary branches | 11.7±1.5 | 4.7±0.58** | 6.7±1.2** | 6.7±1.5** |
| The number of spikelets | 108.3±19.5 | 41.3±9** | 50.3±8.6** | 59±8** |
| The secondary branches | 86±11.4 | 33.7±5.5** | 40.7±6** | 46.7±9.5** |
| The ratio of fertile spikelets | 0.783±0.03 | 0.438±0.091** | 0.154±0.047** | 0.214±0.156* |

218 Data were collected from samples at maturity. Values are means ± SD from at least 5
 219 plants. *, $P \leq 0.05$ (Student's t test), **, $P \leq 0.01$ (Student's t test).

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221 Supplemental Table S2

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Primers used in this study

| | Forward primers | Reverse primers |
|--|---------------------------------|------------------------------------|
| Primers used for qRT-PCR | | |
| OsDET1-1 (<i>OsDET1</i> and <i>DET1-GFP</i>) | TGGTAGTGTGGATGGAGGGG | CGATGAATTTTGTGGATTTGTGT |
| OsDET1-2 (endogenous <i>OsDET1</i>) | CAGATTCTGGTGCTTCTGACAG | TCCTACTACAAGCGGCCAAA |
| OsNAP | CAAGAAGCCGAACGGTTC | GTTAGAGTGGAGCAGCAT |
| PAO | GGAAATCCTAGCCAAGAAGTGTG | CGCAGGAATCCCAGCAGTT |
| PPH | CGAGAGAGGTCGTTGGTGAT | CGATAACCCCTGGTCCTCCT |
| NYC1 | CATGCAACACCAACAAAAGG | GACCATTCCAGGAGAAGCAG |
| NYC3 | TGTCGTTGCCATGTGAAGAT | TTGGTCACGCCACAAATCTA |
| SGR | AGGGGTGGTACAACAAGCTG | GCTCCTTGCGGAAGATGTAG |
| RCCR1 | CGCATTTCTCATGGAATTT | CTTCTACGCTGTTGTCCA |
| Osh36 | GCACGGAGGCGAACGA | TTGAGCGGTAGCACCCATT |
| OsI57 | ACCCTAAAGTAAATGAAGTC | CCTGCTCTTGCTTTGTTA |
| OsNCED1 | ACCATGAAGTCCATGAGGCT | TCTCGTAGTCTTGGTCTTGG |
| OsNCED2 | ATGGAAACGAGGATAGTGGT | CTTATTGTTGTGCGAGAAGT |
| OsNCED3 | CTCCCAAACCATCCAAACCG | TGAGCATATCCTGGCGTCGT |
| OsZEP | GGATGCCATTGAGTTTGGTT | TGGCTGACTGAAGTCTCTCG |
| OsABA8ox1 | AAGCTGGCAAAACCAACATC | CCGTGCTAATACGGAATCCA |
| OsABA8ox2 | CTACTGCTGATGGTGGCTGA | CCCATGGCCTTTGCTTTAT |
| OsABA8ox3 | AGTACAGCCCATTCCCTGTG | ACGCCTAATCAAACCATTGC |
| OsPYL5 | CACCGCCTCAGGAATACTC | TGCTAGCCGCTCTGATACTT |
| RAB16A | GCTCAAGCTCGCTGAGGAT | CATGATGCCCTTCTTCTCG |
| LIP9 | AGAAGAAGGGCTTCTCAGC | TCTCCATGATCTTGCCAGT |
| LEA3 | AAGGACAAGACCTCCAGCAC | GATGGCAGAGTCTTGGTGT |
| Primers used for yeast two-hybrid assays | | |
| DET1- pGBKT7 | <u>CCCGGGT</u> ATGAGCGTGTGGAATA | <u>CCTCGAGCGT</u> GCAATCTAGTCAGCTC |

| | | |
|---|---|--|
| DDB1- pGADT7 | CCCGGGTATGAGCGTGTGGA ACTA | CCTCGAGCGTGAATCTAGTCAGCTC |
| COP10- pGADT7 | GGAGGCCAGTGAATTCATGTCGTCGCTTCCTC | CGAGCTCGATGGATCCCTATCTTGCAAACCTC AT |
| PGADT7-OsDDA1 | GGAGGCCAGTGAATTCATGGAGAGCTCCCTGGG | CGAGCTCGATGGATCCTTAGCTTCTACCACTT |
| PGBKT7-PYL5 | C GGAGGCCAGTGAATTCGGCGACCTCGAGATC | GC GGATCCCCGGGAATTCCTACTGTTCAAGTGGC GA |
| Primers used to generate DNA constructs | | |
| POsDET1::GUS | <u>GGAAATCCGATCTCCTAGAAAGCGA</u> | <u>CCCAAGCTTGGGACCGGGCCGCCCGTA</u> |
| DET1-RNAi | <u>CACCAAATGTTGTCAAATTC AAG</u> | AACCCACATTTTTCCTTTGC |
| Primers used for BiFc assays | | |
| DDB1-bifc | CTCTAGAATGAGCGTGTGGA ACTACGT | CTCTAGAGTGAATCTAGTCAGC |
| pAB855-OsDDA1 | GGACCTGCTTTCTAGAATGGAGAGCTCCCTGGG C | ATCCCTCGAGTCTAGAGCTTCTACCACTTGCA GT |
| pAB862-OsDDA1 | AAATCTCGAGGGATCCATGGAGAGCTCCCTGGG C | ATCTTCTAGAGGATCCGCTTCTACCACTTGCA GT |
| pAB855-COP10 | GGACCTGCTTTCTAGAATGTCGTCGCTTCCTC | ATCCCTCGAGTCTAGATCTTGCAAACCTCATC GT |
| pAB862-COP10 | AAATCTCGAGGGATCCATGTCGTCGCTTCCTC | ATCTTCTAGAGGATCCTCTTGCAAACCTCATC GT |
| pAB862-PYL5 | AAATCTCGAGGGATCCATGGTGGGGCTTG TGGG A | ATCTTCTAGAGGATCCCTGTTCAAGTGGCGA |
| pAB855-PYL5 | GGACCTGCTTTCTAGAATGGTGGGGCTTG TGGG A | ATCCCTCGAGTCTAGACTGTTCAAGTGGCGA |
| DET1-bifc | <u>CCCTCGAGGGTGATGGCGACCTTCTTC</u> | <u>GCTCTAGATCTCCTGAAATGTAAAT</u> |

223 The underlined nucleotides indicate the restriction sites for cloning.

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231 Supplemental Table S3

232 Summary of the mRNA Sequencing Data Mapping

| Sample | Total number of reads | Mapped reads | Percentage | Splice reads | Non-splice reads | Splice reads |
|----------|-----------------------|--------------|------------|--------------|------------------|--------------|
| DRI-16-1 | 34274434 | 23926487 | 82.63% | 7874709 | 15635677 | 27.20% |
| DRI-16-2 | 26205124 | 29864881 | 84.86% | 9953791 | 19410410 | 28.28% |
| DRI-16-3 | 30599052 | 25633444 | 83.65% | 8244120 | 16631681 | 26.90% |
| WT-1 | 28956202 | 28276217 | 82.50% | 9284867 | 18552438 | 27.09% |
| WT-2 | 35193620 | 21878669 | 83.49% | 7394838 | 14147137 | 28.22% |
| WT-3 | 30642944 | 25565460 | 83.55% | 8403048 | 16501889 | 27.46% |

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254 Supplemental Table S4

255 Transcriptome analysis identified 4752 differentially expressed genes (DEGs) in
 256 DRI-16 transgenic plants.

| Gene | Readcount | | log2FoldChange | Padj |
|--------------------|---------------------|-----------|----------------|----------|
| | ReadcountDR I-16 | WT | | |
| EPIOSAG00000002353 | 21.5148 | 5.84919 | 1.879 | 0.01169 |
| EPIOSAG00000002380 | 129.37587 | 65.15192 | 0.98969 | 0.00207 |
| EPIOSAG00000002712 | 3.85185 | 15.90201 | -2.0456 | 0.02804 |
| EPIOSAG00000003986 | 1.0939 | 9.70527 | -3.1493 | 0.03398 |
| EPIOSAG00000004225 | 570.76328 | 319.55301 | 0.83684 | 0.00058 |
| EPIOSAG00000004903 | 0.79442 | 9.76084 | -3.619 | 0.01596 |
| EPIOSAG00000005842 | 102.50793 | 205.36347 | -1.0024 | 0.00035 |
| EPIOSAG00000005887 | 137.11582 | 83.63819 | 0.71316 | 0.03291 |
| EPIOSAG00000006543 | 32.68951 | 5.95269 | 2.4572 | 4.16E-05 |
| EPIOSAG00000007153 | 163.26195 | 58.69488 | 1.4759 | 1.63E-06 |
| EPIOSAG00000009199 | 3.90449 | 15.33634 | -1.9737 | 0.03911 |
| EPIOSAG00000009498 | 18.06016 | 3.75084 | 2.2675 | 0.00577 |
| EPIOSAG00000009699 | 103.34752 | 30.32338 | 1.769 | 1.29E-07 |
| EPIOSAG00000011276 | 0 | 5.42942 | | 0.04116 |
| EPIOSAG00000011365 | 40.35062 | 18.2296 | 1.1463 | 0.03354 |
| EPIOSAG00000014137 | 79.5347 | 35.47754 | 1.1647 | 0.00212 |
| EPIOSAG00000015273 | 152.03076 | 51.65096 | 1.5575 | 7.31E-08 |
| EPIOSAG00000015379 | 0 | 59.01322 | | 3.60E-05 |
| EPIOSAG00000017252 | 141.85502 | 88.60339 | 0.67898 | 0.04318 |
| EPIOSAG00000018034 | 3.12883 | 15.16804 | -2.2773 | 0.02011 |
| EPIOSAG00000019347 | 48.0431 | 24.26703 | 0.98533 | 0.04692 |
| EPIOSAG00000019565 | 0 | 8.01943 | | 0.00527 |
| EPIOSAG00000020549 | 0 | 12.04956 | | 0.00029 |

| | | | | |
|--------------------|------------|------------|----------|----------|
| EPIOSAG00000020593 | 170.50202 | 258.70328 | -0.60151 | 0.03086 |
| EPIOSAG00000022933 | 2236.01771 | 1338.44113 | 0.74038 | 0.00027 |
| EPIOSAG00000023190 | 13.13318 | 36.93398 | -1.4917 | 0.00744 |
| EPIOSAG00000025431 | 22.81673 | 0.86334 | 4.724 | 0.00452 |
| EPIOSAG00000025532 | 41.73772 | 85.43463 | -1.0335 | 0.00642 |
| EPIOSAG00000025985 | 0 | 5.98588 | | 0.02656 |
| EPIOSAG00000026988 | 8.82392 | 0.30688 | 4.8457 | 0.00766 |
| EPIOSAG00000030717 | 63.85152 | 22.10254 | 1.5305 | 0.00032 |
| EPIOSAG00000034295 | 14.97642 | 3.25918 | 2.2001 | 0.02205 |
| EPIOSAG00000044503 | 24.84037 | 0 | | 2.13E-07 |
| EPIOSAG00000047708 | 77.99586 | 23.86217 | 1.7087 | 5.77E-06 |
| EPIOSAG00000047748 | 54.12784 | 11.82585 | 2.1944 | 1.14E-06 |
| EPIOSAG00000048487 | 6.34291 | 0 | | 0.00821 |
| EPIOSAG00000049360 | 58.27794 | 28.95538 | 1.0091 | 0.02755 |
| EPIOSAG00000050096 | 94.61135 | 53.79338 | 0.81458 | 0.02319 |
| EPIOSAG00000050745 | 5.89433 | 0.24957 | 4.5618 | 0.04769 |
| OS01G0101700 | 3088.45798 | 1581.34672 | 0.96573 | 0.00043 |
| OS01G0101800 | 130.83191 | 29.72058 | 2.1382 | 6.72E-12 |
| OS01G0104350 | 32.85988 | 62.77792 | -0.93393 | 0.04316 |
| OS01G0104400 | 3208.14573 | 2086.13081 | 0.62091 | 0.0032 |
| OS01G0104800 | 42.93441 | 89.43347 | -1.0587 | 0.00385 |
| OS01G0105400 | 85.11809 | 159.46877 | -0.90574 | 0.00241 |
| OS01G0106600 | 72.07291 | 129.21034 | -0.84219 | 0.02987 |
| OS01G0106900 | 5720.08321 | 2384.98605 | 1.2621 | 9.45E-12 |
| OS01G0107000 | 433.20198 | 279.30485 | 0.6332 | 0.0099 |
| OS01G0108400 | 217.4632 | 4.47733 | 5.602 | 1.93E-06 |
| OS01G0108500 | 102.47328 | 0 | | 2.92E-07 |

| | | | | |
|--------------|------------|------------|----------|----------|
| OS01G0108600 | 1317.04327 | 407.58916 | 1.6921 | 4.70E-18 |
| OS01G0108800 | 333.1782 | 71.68353 | 2.2166 | 3.50E-05 |
| OS01G0109000 | 1145.25079 | 807.11012 | 0.50483 | 0.03742 |
| OS01G0109500 | 3.45841 | 18.42912 | -2.4138 | 0.00637 |
| OS01G0110100 | 157.24356 | 45.08907 | 1.8022 | 2.95E-07 |
| OS01G0112300 | 93.55876 | 154.9246 | -0.72762 | 0.02122 |
| OS01G0112400 | 22.7854 | 5.52008 | 2.0453 | 0.00511 |
| OS01G0114300 | 568.83962 | 320.86633 | 0.82605 | 0.0002 |
| OS01G0115100 | 195.31369 | 114.43872 | 0.77122 | 0.00955 |
| OS01G0117266 | 108.35084 | 171.00294 | -0.65831 | 0.02859 |
| OS01G0118400 | 140.72316 | 344.65911 | -1.2923 | 5.80E-08 |
| OS01G0118700 | 369.17207 | 750.85424 | -1.0242 | 2.79E-06 |
| OS01G0120500 | 1912.6263 | 1304.41157 | 0.55216 | 0.0103 |
| OS01G0120800 | 473.71067 | 725.37972 | -0.61473 | 0.00623 |
| OS01G0122000 | 254.76319 | 66.85826 | 1.93 | 1.74E-14 |
| OS01G0123700 | 52.83079 | 3.44033 | 3.9408 | 4.07E-05 |
| OS01G0123800 | 29.28862 | 0.99829 | 4.8747 | 8.50E-06 |
| OS01G0123900 | 6228.37576 | 341.5476 | 4.1887 | 6.67E-07 |
| OS01G0124000 | 1388.34262 | 20.32235 | 6.0942 | 2.78E-07 |
| OS01G0124200 | 802.96058 | 109.71206 | 2.8716 | 0.01256 |
| OS01G0126200 | 1315.00863 | 1893.54062 | -0.52601 | 0.02327 |
| OS01G0127600 | 153.50757 | 3.31839 | 5.5317 | 0.00037 |
| OS01G0127700 | 159.84611 | 251.91555 | -0.65626 | 0.0221 |
| OS01G0128100 | 14.84481 | 1.51218 | 3.2953 | 0.0008 |
| OS01G0128800 | 1631.83294 | 765.34591 | 1.0923 | 3.66E-08 |
| OS01G0130000 | 74.40346 | 171.04909 | -1.201 | 0.0126 |
| OS01G0130200 | 903.64719 | 169.12689 | 2.4177 | 6.20E-07 |

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| OS01G0132000 | 398.85928 | 8.98816 | 5.4717 | 0.00029 |
| OS01G0133500 | 213.16081 | 105.61689 | 1.0131 | 0.00015 |
| OS01G0134700 | 101.28995 | 519.55878 | -2.3588 | 3.00E-10 |
| OS01G0135600 | 40.37937 | 115.11785 | -1.5114 | 2.90E-06 |
| OS01G0136700 | 1.56631 | 12.408 | -2.9858 | 0.01172 |
| OS01G0137700 | 3.18525 | 99.51527 | -4.9654 | 8.71E-06 |
| OS01G0137800 | 38.40854 | 702.80358 | -4.1936 | 4.66E-06 |
| OS01G0137875 | 2.01616 | 77.46776 | -5.2639 | 8.75E-12 |
| OS01G0138900 | 459.08175 | 197.43334 | 1.2174 | 0.00312 |
| OS01G0139200 | 756.57327 | 1712.73589 | -1.1788 | 2.48E-09 |
| OS01G0140500 | 736.08478 | 1067.56305 | -0.53638 | 0.01968 |
| OS01G0140700 | 0 | 13.40054 | | 0.00157 |
| OS01G0141000 | 31.58427 | 1140.54186 | -5.1744 | 2.60E-102 |
| OS01G0142300 | 2195.47398 | 1240.57322 | 0.82353 | 0.0483 |
| OS01G0143800 | 24.35926 | 93.35654 | -1.9383 | 6.40E-08 |
| OS01G0143900 | 5.74395 | 49.39551 | -3.1043 | 5.96E-09 |
| OS01G0145200 | 13.30482 | 44.29519 | -1.7352 | 0.00069 |
| OS01G0145600 | 52.00011 | 111.30623 | -1.0979 | 0.00117 |
| OS01G0148500 | 66.99292 | 175.56011 | -1.3899 | 8.69E-05 |
| OS01G0149600 | 65.57444 | 110.80133 | -0.75677 | 0.04026 |
| OS01G0149800 | 4818.91236 | 2818.65805 | 0.7737 | 0.00032 |
| OS01G0150200 | 234.77704 | 481.57773 | -1.0365 | 3.11E-06 |
| OS01G0151400 | 36.208 | 91.83626 | -1.3428 | 0.00017 |
| OS01G0152300 | 219.1966 | 430.21768 | -0.97284 | 2.68E-05 |
| OS01G0155400 | 374.34176 | 254.23619 | 0.55819 | 0.03643 |
| OS01G0155500 | 1673.06039 | 960.57074 | 0.80053 | 0.04099 |
| OS01G0158200 | 511.4274 | 333.31246 | 0.61765 | 0.0125 |

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| OS01G0158600 | 2.7354 | 48.34739 | -4.1436 | 2.75E-10 |
| OS01G0159300 | 910.45474 | 640.57898 | 0.50721 | 0.03487 |
| OS01G0165000 | 80.17106 | 153.18642 | -0.93413 | 0.00213 |
| OS01G0166100 | 613.78218 | 414.2804 | 0.56712 | 0.02009 |
| OS01G0168100 | 1406.61103 | 500.33875 | 1.4912 | 1.97E-14 |
| OS01G0169800 | 41.59108 | 123.21789 | -1.5669 | 0.0099 |
| OS01G0169851 | 16.59409 | 60.96664 | -1.8774 | 0.02278 |
| OS01G0171800 | 1724.10488 | 799.85151 | 1.108 | 1.53E-08 |
| OS01G0172100 | 972.73706 | 671.39487 | 0.53489 | 0.02246 |
| OS01G0172400 | 3402.97977 | 2422.72374 | 0.49017 | 0.02982 |
| OS01G0172800 | 582.32061 | 235.43035 | 1.3065 | 1.02E-09 |
| OS01G0175100 | 405.73824 | 941.37859 | -1.2142 | 0.00824 |
| OS01G0175500 | 43.14737 | 97.86794 | -1.1816 | 0.00238 |
| OS01G0175700 | 372.21156 | 172.58675 | 1.1088 | 0.00144 |
| OS01G0176100 | 36.11782 | 68.94077 | -0.93265 | 0.02688 |
| OS01G0178000 | 995.42737 | 583.8754 | 0.76966 | 0.00889 |
| OS01G0178900 | 55.66044 | 171.88695 | -1.6267 | 4.85E-06 |
| OS01G0179000 | 7.25761 | 26.01192 | -1.8416 | 0.00847 |
| OS01G0179800 | 8882.14638 | 5056.48877 | 0.81277 | 0.00599 |
| OS01G0180300 | 366.84416 | 89.36781 | 2.0373 | 1.99E-09 |
| OS01G0182500 | 37.10767 | 73.8325 | -0.99254 | 0.01864 |
| OS01G0183100 | 27.13347 | 74.23563 | -1.452 | 0.00015 |
| OS01G0183300 | 122.62424 | 18.74348 | 2.7098 | 6.85E-15 |
| OS01G0183950 | 1.96352 | 11.63532 | -2.567 | 0.03312 |
| OS01G0184200 | 261.4359 | 428.01598 | -0.71121 | 0.0027 |
| OS01G0184500 | 72.25942 | 142.7493 | -0.98223 | 0.00171 |
| OS01G0185200 | 492.30836 | 733.06646 | -0.57438 | 0.01273 |

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| OS01G0185900 | 5.05104 | 116.81835 | -4.5315 | 5.05E-18 |
| OS01G0186600 | 7.41177 | 162.2745 | -4.4525 | 5.65E-13 |
| OS01G0187500 | 902.68407 | 382.69741 | 1.238 | 2.60E-08 |
| OS01G0187900 | 38.23044 | 78.7612 | -1.0428 | 0.00785 |
| OS01G0188200 | 384.1898 | 193.85444 | 0.98685 | 0.009 |
| OS01G0188400 | 1210.46615 | 457.95344 | 1.4023 | 1.35E-12 |
| OS01G0190000 | 558.71291 | 1157.21985 | -1.0505 | 0.00445 |
| OS01G0191100 | 63.53944 | 120.22966 | -0.92007 | 0.0046 |
| OS01G0191200 | 340.81318 | 112.76045 | 1.5957 | 0.0021 |
| OS01G0191300 | 313.92208 | 182.88648 | 0.77946 | 0.00256 |
| OS01G0191900 | 189.34791 | 106.86738 | 0.82522 | 0.00301 |
| OS01G0192300 | 1015.79864 | 634.9189 | 0.67797 | 0.0017 |
| OS01G0192900 | 0 | 1094.48403 | | 1.71E-11 |
| OS01G0194000 | 274.65533 | 179.54241 | 0.6133 | 0.02193 |
| OS01G0194300 | 387.68424 | 596.80429 | -0.62238 | 0.00746 |
| OS01G0194600 | 319.04087 | 182.33589 | 0.80714 | 0.00109 |
| OS01G0195000 | 230.58305 | 346.61182 | -0.58803 | 0.03015 |
| OS01G0197900 | 18.28573 | 40.65534 | -1.1527 | 0.02738 |
| OS01G0198000 | 76.01115 | 34.57321 | 1.1366 | 0.00312 |
| OS01G0198900 | 13838.1754 | 5791.10038 | 1.2567 | 3.01E-07 |
| OS01G0199400 | 2114.1956 | 813.76789 | 1.3774 | 0.0001 |
| OS01G0199550 | 19.12775 | 5.38512 | 1.8286 | 0.02019 |
| OS01G0199700 | 225.99183 | 123.53946 | 0.8713 | 0.00077 |
| OS01G0199900 | 40.46839 | 104.79708 | -1.3727 | 4.60E-05 |
| OS01G0200200 | 21.48232 | 0.24957 | 6.4275 | 0.00189 |
| OS01G0200350 | 87.22335 | 37.28397 | 1.2262 | 0.04263 |
| OS01G0200500 | 40.93702 | 103.71412 | -1.3411 | 5.84E-05 |

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| OS01G0200700 | 54192.65029 | 32827.43977 | 0.72319 | 0.00856 |
| OS01G0201100 | 132.63092 | 257.44099 | -0.95682 | 0.0003 |
| OS01G0202500 | 1.24428 | 16.31776 | -3.7131 | 0.0004 |
| OS01G0202700 | 13.58304 | 2.86354 | 2.2459 | 0.02547 |
| OS01G0203400 | 55.5211 | 331.15216 | -2.5764 | 7.91E-25 |
| OS01G0206200 | 41.16508 | 88.63114 | -1.1064 | 0.00244 |
| OS01G0207400 | 930.30811 | 383.13357 | 1.2799 | 0.00125 |
| OS01G0208700 | 3407.15615 | 2268.40458 | 0.58689 | 0.00487 |
| OS01G0210500 | 934.0006 | 634.27512 | 0.55831 | 0.01559 |
| OS01G0213400 | 5.4733 | 37.0814 | -2.7602 | 0.0008 |
| OS01G0214200 | 75.84078 | 197.9536 | -1.3841 | 0.03381 |
| OS01G0217500 | 165.17931 | 68.11904 | 1.2779 | 0.00064 |
| OS01G0218500 | 58.76791 | 192.73508 | -1.7135 | 1.01E-09 |
| OS01G0218700 | 1305.97271 | 807.76933 | 0.69311 | 0.00131 |
| OS01G0219000 | 33.05157 | 87.12962 | -1.3984 | 0.00019 |
| OS01G0219300 | 122.68457 | 75.15392 | 0.70703 | 0.03278 |
| OS01G0220700 | 436.82308 | 147.1886 | 1.5694 | 4.20E-10 |
| OS01G0221000 | 57.91448 | 111.75146 | -0.9483 | 0.0057 |
| OS01G0221100 | 110.46596 | 237.57995 | -1.1048 | 0.00024 |
| OS01G0223900 | 0.74556 | 12.25255 | -4.0386 | 0.01655 |
| OS01G0225000 | 611.4689 | 118.81349 | 2.3636 | 0.00834 |
| OS01G0225400 | 24.76391 | 63.45025 | -1.3574 | 0.01194 |
| OS01G0226600 | 1753.45486 | 821.2993 | 1.0942 | 6.26E-05 |
| OS01G0227100 | 728.65652 | 450.29582 | 0.69437 | 0.00174 |
| OS01G0227300 | 760.47995 | 434.72351 | 0.80681 | 0.0002 |
| OS01G0227350 | 1096.55257 | 462.32779 | 1.246 | 2.61E-10 |
| OS01G0227400 | 123.82984 | 62.94448 | 0.97621 | 0.00196 |

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| OS01G0227500 | 1098.78593 | 379.36154 | 1.5343 | 3.37E-09 |
| OS01G0227700 | 45.79497 | 321.25986 | -2.8105 | 5.14E-18 |
| OS01G0227800 | 750.98421 | 162.11591 | 2.2118 | 8.65E-27 |
| OS01G0228600 | 2455.10927 | 1634.91148 | 0.58657 | 0.0044 |
| OS01G0229400 | 49.73211 | 15.47318 | 1.6844 | 0.00372 |
| OS01G0229500 | 188.47817 | 118.84164 | 0.66536 | 0.02622 |
| OS01G0229600 | 469.52622 | 82.25064 | 2.5131 | 6.69E-24 |
| OS01G0229700 | 11.32382 | 1.71556 | 2.7226 | 0.02006 |
| OS01G0232000 | 139.24585 | 44.08866 | 1.6592 | 0.00522 |
| OS01G0232300 | 142.41522 | 238.39938 | -0.74328 | 0.00568 |
| OS01G0233000 | 677.52914 | 995.28988 | -0.55483 | 0.01678 |
| OS01G0235100 | 3391.8643 | 1964.48392 | 0.78793 | 0.00128 |
| OS01G0235350 | 709.57602 | 364.13438 | 0.96249 | 0.00065 |
| OS01G0235400 | 90.90725 | 157.98095 | -0.79728 | 0.00847 |
| OS01G0236300 | 895.98362 | 611.99148 | 0.54996 | 0.01814 |
| OS01G0236700 | 7435.62327 | 2489.66856 | 1.5785 | 6.09E-18 |
| OS01G0236800 | 418.12553 | 287.20801 | 0.54184 | 0.03198 |
| OS01G0238500 | 8412.42264 | 1520.46488 | 2.468 | 0.01696 |
| OS01G0239000 | 12952.53721 | 5749.80408 | 1.1717 | 0.00031 |
| OS01G0239200 | 818.79576 | 366.6298 | 1.1592 | 0.01336 |
| OS01G0239700 | 895.59861 | 2293.30778 | -1.3565 | 1.27E-12 |
| OS01G0241000 | 276.57494 | 88.89333 | 1.6375 | 1.64E-07 |
| OS01G0241400 | 7.80898 | 0.60265 | 3.6957 | 0.02273 |
| OS01G0242600 | 248.64436 | 164.32693 | 0.59751 | 0.03639 |
| OS01G0243450 | 140.60671 | 89.5052 | 0.65162 | 0.04752 |
| OS01G0250600 | 63.51184 | 109.03823 | -0.77974 | 0.02787 |
| OS01G0251100 | 19.67911 | 57.7662 | -1.5536 | 0.00049 |

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| OS01G0253500 | 5.24651 | 49.42287 | -3.2358 | 9.08E-08 |
| OS01G0254000 | 505.06525 | 344.13041 | 0.55351 | 0.02669 |
| OS01G0255000 | 744.12916 | 429.78319 | 0.79194 | 0.00022 |
| OS01G0256300 | 15.12552 | 4.02264 | 1.9108 | 0.03307 |
| OS01G0257300 | 7.11101 | 0.29577 | 4.5875 | 0.01407 |
| OS01G0259900 | 69.14935 | 115.69252 | -0.74251 | 0.04075 |
| OS01G0259933 | 2.31186 | 18.69555 | -3.0156 | 0.019 |
| OS01G0260700 | 227.55823 | 358.8779 | -0.65726 | 0.00915 |
| OS01G0262500 | 798.43501 | 366.72549 | 1.1225 | 0.03789 |
| OS01G0264000 | 1114.15246 | 803.39989 | 0.47176 | 0.04734 |
| OS01G0266000 | 126.51875 | 214.09009 | -0.75887 | 0.00822 |
| OS01G0266500 | 317.64217 | 87.42813 | 1.8612 | 1.45E-13 |
| OS01G0266600 | 311.53482 | 173.90559 | 0.84109 | 0.00074 |
| OS01G0266800 | 3899.15036 | 1689.71847 | 1.2064 | 1.30E-05 |
| OS01G0267300 | 23.36046 | 82.56171 | -1.8214 | 1.73E-05 |
| OS01G0268300 | 90.87575 | 144.73358 | -0.67143 | 0.04073 |
| OS01G0268600 | 26.6735 | 244.37566 | -3.1956 | 1.24E-21 |
| OS01G0268900 | 18.75813 | 54.68817 | -1.5437 | 0.00064 |
| OS01G0270100 | 739.07697 | 441.42469 | 0.74356 | 0.00074 |
| OS01G0271000 | 27.04957 | 66.921 | -1.3069 | 0.00138 |
| OS01G0274100 | 106.11802 | 35.25209 | 1.5899 | 1.10E-06 |
| OS01G0274800 | 27.93162 | 265.43321 | -3.2484 | 0.00063 |
| OS01G0275300 | 90.83712 | 176.09341 | -0.95499 | 0.00079 |
| OS01G0275800 | 155.18629 | 77.95563 | 0.99328 | 0.03694 |
| OS01G0276100 | 589.17824 | 882.07866 | -0.5822 | 0.01309 |
| OS01G0276700 | 217.25431 | 140.2248 | 0.63164 | 0.0263 |
| OS01G0276900 | 129.17883 | 57.73553 | 1.1618 | 0.02996 |

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| OS01G0279300 | 437.88838 | 659.97413 | -0.59185 | 0.01011 |
| OS01G0281000 | 3899.79365 | 2615.05252 | 0.57656 | 0.00641 |
| OS01G0281100 | 4744.40543 | 3067.73003 | 0.62906 | 0.00241 |
| OS01G0283300 | 3388.03327 | 2132.13629 | 0.66815 | 0.00291 |
| OS01G0283700 | 63.02572 | 17.83758 | 1.821 | 1.23E-05 |
| OS01G0284900 | 378.0895 | 184.51376 | 1.035 | 0.00072 |
| OS01G0289600 | 290.84508 | 482.69907 | -0.73087 | 0.04189 |
| OS01G0290000 | 723.03335 | 452.90112 | 0.67487 | 0.00252 |
| OS01G0292200 | 1786.87512 | 1005.6707 | 0.82928 | 3.87E-05 |
| OS01G0292900 | 997.57175 | 1563.40232 | -0.6482 | 0.00225 |
| OS01G0297200 | 7.45936 | 32.65081 | -2.13 | 0.00068 |
| OS01G0301000 | 10.97169 | 36.27017 | -1.725 | 0.00223 |
| OS01G0301700 | 3.95336 | 17.20159 | -2.1214 | 0.01716 |
| OS01G0301900 | 372.62343 | 60.79859 | 2.6156 | 6.02E-28 |
| OS01G0302000 | 225.59841 | 39.18778 | 2.5253 | 6.98E-15 |
| OS01G0303800 | 53.41596 | 515.85048 | -3.2716 | 1.91E-05 |
| OS01G0305900 | 539.03351 | 152.44082 | 1.8221 | 9.52E-09 |
| OS01G0307686 | 53.52629 | 8.63493 | 2.632 | 0.04684 |
| OS01G0309800 | 2459.48382 | 4303.23641 | -0.80707 | 5.58E-05 |
| OS01G0310500 | 322.78091 | 486.26093 | -0.59118 | 0.01997 |
| OS01G0310600 | 124.4111 | 190.64919 | -0.61581 | 0.04238 |
| OS01G0314800 | 15949.76282 | 4103.07562 | 1.9588 | 6.69E-11 |
| OS01G0316600 | 1370.31044 | 691.78382 | 0.98611 | 1.05E-06 |
| OS01G0316900 | 1074.91106 | 732.64024 | 0.55304 | 0.01358 |
| OS01G0317800 | 266.7637 | 154.96471 | 0.78362 | 0.00296 |
| OS01G0318202 | 5.24523 | 57.53256 | -3.4553 | 0.00013 |
| OS01G0318600 | 333.79656 | 209.66534 | 0.67088 | 0.00715 |

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| OS01G0321300 | 1707.57124 | 1215.64372 | 0.49023 | 0.03418 |
| OS01G0321900 | 6.71886 | 24.52583 | -1.868 | 0.00667 |
| OS01G0326100 | 2.5888 | 37.5807 | -3.8596 | 1.38E-08 |
| OS01G0326300 | 72.79082 | 1841.61489 | -4.6611 | 3.00E-37 |
| OS01G0327400 | 499.7449 | 732.38165 | -0.5514 | 0.02388 |
| OS01G0328600 | 1506.55018 | 973.46915 | 0.63004 | 0.00371 |
| OS01G0329400 | 1363.26829 | 738.68426 | 0.88404 | 1.23E-05 |
| OS01G0332100 | 3316.19997 | 588.70035 | 2.4939 | 1.67E-06 |
| OS01G0332150 | 21.86314 | 4.16871 | 2.3908 | 0.00145 |
| OS01G0332800 | 749.25876 | 488.68312 | 0.61656 | 0.0091 |
| OS01G0337500 | 0.39721 | 39.48679 | -6.6353 | 4.20E-13 |
| OS01G0337900 | 134.22762 | 204.42739 | -0.60691 | 0.04639 |
| OS01G0339500 | 172.75496 | 97.39725 | 0.82677 | 0.00407 |
| OS01G0341200 | 16.40733 | 36.93935 | -1.1708 | 0.04572 |
| OS01G0341750 | 142.00153 | 55.97551 | 1.343 | 0.00492 |
| OS01G0346700 | 1473.72731 | 959.64343 | 0.6189 | 0.00399 |
| OS01G0350900 | 1878.26692 | 1217.08456 | 0.62597 | 0.00295 |
| OS01G0351800 | 2.75794 | 17.31258 | -2.6502 | 0.00378 |
| OS01G0356400 | 17436.96476 | 9763.12037 | 0.83673 | 0.00242 |
| OS01G0356951 | 21.28422 | 0.89841 | 4.5663 | 4.16E-05 |
| OS01G0358100 | 18.35714 | 48.58964 | -1.4043 | 0.00304 |
| OS01G0358300 | 410.5265 | 269.08434 | 0.60942 | 0.01523 |
| OS01G0359400 | 161.64295 | 490.70086 | -1.602 | 4.05E-11 |
| OS01G0360200 | 64.92662 | 32.40699 | 1.0025 | 0.01712 |
| OS01G0361500 | 2414.58444 | 1259.38048 | 0.93906 | 1.83E-06 |
| OS01G0362100 | 3291.48347 | 1858.37557 | 0.8247 | 5.33E-05 |
| OS01G0363300 | 1267.64943 | 579.16604 | 1.1301 | 6.73E-09 |

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| OS01G0364800 | 68.85863 | 309.04362 | -2.1661 | 6.31E-19 |
| OS01G0365000 | 13.3086 | 134.99859 | -3.3425 | 4.04E-21 |
| OS01G0366100 | 40.0086 | 72.25379 | -0.85276 | 0.03686 |
| OS01G0368700 | 75.97728 | 34.00423 | 1.1599 | 0.00768 |
| OS01G0369900 | 11.51045 | 46.26032 | -2.0068 | 6.30E-05 |
| OS01G0372100 | 30.31745 | 5.83807 | 2.3766 | 0.00015 |
| OS01G0375000 | 51.75455 | 138.44988 | -1.4196 | 2.42E-06 |
| OS01G0375200 | 44.47312 | 21.72527 | 1.0336 | 0.03862 |
| OS01G0377000 | 19.06139 | 3.70465 | 2.3632 | 0.00373 |
| OS01G0383700 | 3485.13971 | 1762.23464 | 0.98381 | 0.01341 |
| OS01G0384300 | 255.80071 | 171.99768 | 0.57263 | 0.04967 |
| OS01G0385400 | 14.50274 | 1.41979 | 3.3526 | 0.02998 |
| OS01G0389700 | 10.10458 | 33.73021 | -1.739 | 0.00396 |
| OS01G0390300 | 279.19504 | 134.59064 | 1.0527 | 1.90E-05 |
| OS01G0390400 | 894.2732 | 501.93298 | 0.83322 | 7.71E-05 |
| OS01G0390900 | 576.86869 | 403.17039 | 0.51685 | 0.04002 |
| OS01G0495701 | 1.96352 | 112.27996 | -5.8375 | 1.35E-05 |
| OS01G0498200 | 1796.35907 | 1011.85003 | 0.82808 | 0.0017 |
| OS01G0500600 | 74.65152 | 131.30702 | -0.8147 | 0.01132 |
| OS01G0501700 | 772.54936 | 519.59824 | 0.57223 | 0.01215 |
| OS01G0504500 | 567.24005 | 244.9606 | 1.2114 | 0.04596 |
| OS01G0507700 | 4762.59334 | 2799.31174 | 0.76668 | 0.005 |
| OS01G0508000 | 84.07938 | 27.87023 | 1.593 | 0.00325 |
| OS01G0508100 | 7.44187 | 0.29577 | 4.6531 | 0.01312 |
| OS01G0508500 | 527.82526 | 42.78333 | 3.6249 | 3.96E-09 |
| OS01G0515300 | 132.90684 | 43.62633 | 1.6071 | 3.72E-06 |
| OS01G0521400 | 822.25048 | 464.78519 | 0.82301 | 0.00014 |

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|--------------|-------------|-------------|----------|----------|
| OS01G0528800 | 880.59283 | 496.3406 | 0.82714 | 0.01448 |
| OS01G0531500 | 677.24141 | 283.7176 | 1.2552 | 1.79E-09 |
| OS01G0532600 | 188.61356 | 87.48007 | 1.1084 | 6.43E-05 |
| OS01G0536000 | 1223.24944 | 665.39866 | 0.87843 | 1.93E-05 |
| OS01G0542700 | 1550.56499 | 1025.05122 | 0.5971 | 0.04315 |
| OS01G0546400 | 387.84018 | 87.69086 | 2.145 | 9.78E-21 |
| OS01G0546800 | 193.67946 | 300.70101 | -0.63466 | 0.0186 |
| OS01G0547600 | 2707.47467 | 1338.37836 | 1.0165 | 0.03035 |
| OS01G0551000 | 1589.5218 | 632.89485 | 1.3286 | 2.82E-07 |
| OS01G0552300 | 1796.49232 | 1273.11453 | 0.49682 | 0.02828 |
| OS01G0556650 | 22177.84051 | 10832.17321 | 1.0338 | 3.83E-05 |
| OS01G0556700 | 660.71671 | 415.31786 | 0.66982 | 0.00352 |
| OS01G0559600 | 2113.72004 | 6027.91879 | -1.5119 | 6.57E-10 |
| OS01G0560000 | 444.02605 | 660.56011 | -0.57305 | 0.01757 |
| OS01G0561600 | 47.18708 | 9.67208 | 2.2865 | 0.00982 |
| OS01G0562600 | 21.55611 | 73.61801 | -1.772 | 9.11E-06 |
| OS01G0564300 | 267.87519 | 1714.79879 | -2.6784 | 2.35E-42 |
| OS01G0566100 | 31.97643 | 73.5216 | -1.2012 | 0.00352 |
| OS01G0566500 | 6.66999 | 0 | | 0.00747 |
| OS01G0571000 | 282.48538 | 108.55453 | 1.3798 | 1.23E-08 |
| OS01G0574800 | 850.91069 | 465.52714 | 0.87014 | 3.79E-05 |
| OS01G0575901 | 0.34835 | 34.63226 | -6.6355 | 1.70E-11 |
| OS01G0578000 | 72.52014 | 124.5554 | -0.78033 | 0.01808 |
| OS01G0579800 | 10.76867 | 31.69493 | -1.5574 | 0.01022 |
| OS01G0580800 | 1443.26308 | 743.55066 | 0.95683 | 1.51E-06 |
| OS01G0582600 | 1502.12155 | 793.95696 | 0.91987 | 0.00049 |
| OS01G0583100 | 2587.8176 | 614.91127 | 2.0733 | 1.10E-28 |

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| OS01G0583200 | 26.86659 | 58.93051 | -1.1332 | 0.01051 |
| OS01G0584032 | 10.394 | 1.70444 | 2.6084 | 0.03304 |
| OS01G0584900 | 76.8857 | 40.04687 | 0.94103 | 0.01475 |
| OS01G0585100 | 416.97626 | 116.89568 | 1.8347 | 8.58E-14 |
| OS01G0585200 | 0.79442 | 10.11951 | -3.6711 | 0.0104 |
| OS01G0585300 | 7934.43473 | 4601.14182 | 0.78614 | 0.00538 |
| OS01G0585600 | 115.25386 | 69.36266 | 0.73258 | 0.03079 |
| OS01G0587300 | 75.471 | 42.80154 | 0.81826 | 0.03963 |
| OS01G0587400 | 33.9112 | 66.11844 | -0.96329 | 0.0315 |
| OS01G0588900 | 10157.17445 | 5025.05871 | 1.0153 | 0.00011 |
| OS01G0589800 | 896.84071 | 583.24899 | 0.62074 | 0.01692 |
| OS01G0591000 | 1475.01549 | 597.49942 | 1.3037 | 0.00074 |
| OS01G0601000 | 65.25492 | 26.26566 | 1.3129 | 0.00552 |
| OS01G0601625 | 56.84197 | 164.35552 | -1.5318 | 9.25E-08 |
| OS01G0603000 | 257.47961 | 386.3688 | -0.58552 | 0.02155 |
| OS01G0603100 | 41.74022 | 7.57949 | 2.4613 | 1.59E-06 |
| OS01G0603300 | 2932.56097 | 1060.9169 | 1.4668 | 3.93E-05 |
| OS01G0603800 | 37.79685 | 14.51573 | 1.3806 | 0.02105 |
| OS01G0605700 | 255.11139 | 47.89334 | 2.4132 | 6.98E-10 |
| OS01G0606000 | 25.35038 | 2.28312 | 3.4729 | 5.75E-05 |
| OS01G0606400 | 30.14202 | 8.2247 | 1.8737 | 0.00237 |
| OS01G0607900 | 131.33306 | 70.49865 | 0.89756 | 0.01511 |
| OS01G0609200 | 11.22231 | 0.74872 | 3.9058 | 0.00348 |
| OS01G0609300 | 789.44545 | 348.55564 | 1.1795 | 2.40E-05 |
| OS01G0609501 | 57.45707 | 17.43083 | 1.7208 | 0.01336 |
| OS01G0609900 | 64.32884 | 125.49663 | -0.96411 | 0.04669 |
| OS01G0610400 | 26.91418 | 53.94852 | -1.0032 | 0.0354 |

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| OS01G0610600 | 216.75971 | 324.02068 | -0.57999 | 0.02975 |
| OS01G0612700 | 25.76763 | 51.69321 | -1.0044 | 0.03577 |
| OS01G0612900 | 673.42245 | 361.37667 | 0.89801 | 3.32E-05 |
| OS01G0616500 | 60.59991 | 118.51781 | -0.96772 | 0.00219 |
| OS01G0617600 | 10.61451 | 38.2334 | -1.8488 | 0.00098 |
| OS01G0618200 | 29.7322 | 59.26711 | -0.99521 | 0.02845 |
| OS01G0618700 | 20.64518 | 49.941 | -1.2744 | 0.00802 |
| OS01G0621300 | 1213.54443 | 781.20311 | 0.63546 | 0.00318 |
| OS01G0621900 | 2021.28902 | 1228.8792 | 0.71793 | 0.00137 |
| OS01G0622700 | 2853.47436 | 1861.09908 | 0.61656 | 0.00373 |
| OS01G0623500 | 934.13725 | 472.67954 | 0.98277 | 0.02208 |
| OS01G0624700 | 3.40955 | 18.79141 | -2.4624 | 0.00497 |
| OS01G0626400 | 52.95875 | 23.21333 | 1.1899 | 0.0077 |
| OS01G0626500 | 65.48291 | 113.08854 | -0.78826 | 0.02157 |
| OS01G0627400 | 107.19681 | 47.48241 | 1.1748 | 0.00031 |
| OS01G0629400 | 2165.66208 | 1298.89939 | 0.73752 | 0.00038 |
| OS01G0629600 | 26.1699 | 79.50803 | -1.6032 | 2.08E-05 |
| OS01G0629750 | 418.19771 | 294.29105 | 0.50694 | 0.04659 |
| OS01G0629900 | 241.66601 | 143.29322 | 0.75404 | 0.00478 |
| OS01G0638600 | 397.48226 | 208.45056 | 0.93119 | 0.00847 |
| OS01G0639200 | 748.71832 | 315.91193 | 1.2449 | 0.00189 |
| OS01G0641000 | 577.96524 | 309.11205 | 0.90285 | 4.20E-05 |
| OS01G0642000 | 387.26927 | 138.21479 | 1.4864 | 1.55E-06 |
| OS01G0642100 | 115.51463 | 44.86141 | 1.3645 | 3.61E-05 |
| OS01G0642801 | 2.33819 | 12.19714 | -2.3831 | 0.04819 |
| OS01G0642900 | 28.14475 | 61.96085 | -1.1385 | 0.00674 |
| OS01G0645200 | 5523.50785 | 3412.8202 | 0.69462 | 0.00057 |

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| OS01G0645900 | 39.67512 | 104.70682 | -1.4 | 2.40E-05 |
| OS01G0647000 | 1136.64882 | 711.39485 | 0.67606 | 0.02957 |
| OS01G0648600 | 27.12336 | 77.29522 | -1.5108 | 0.00011 |
| OS01G0649000 | 39.62005 | 77.10839 | -0.96066 | 0.01549 |
| OS01G0649200 | 106.58665 | 178.33806 | -0.74259 | 0.01264 |
| OS01G0650000 | 11.83753 | 57.1191 | -2.2706 | 6.67E-07 |
| OS01G0650100 | 6.19381 | 25.15433 | -2.0219 | 0.00404 |
| OS01G0650200 | 272.36581 | 736.0256 | -1.4342 | 4.15E-12 |
| OS01G0650800 | 115.57975 | 186.51926 | -0.69044 | 0.01855 |
| OS01G0654100 | 21.14641 | 5.07824 | 2.058 | 0.00998 |
| OS01G0656400 | 275.00473 | 68.25022 | 2.0106 | 2.83E-11 |
| OS01G0660200 | 687.84555 | 2124.75198 | -1.6271 | 0.00088 |
| OS01G0660300 | 258.62366 | 134.09111 | 0.94764 | 0.00025 |
| OS01G0661400 | 17.84093 | 40.59803 | -1.1862 | 0.01907 |
| OS01G0662600 | 8188.09374 | 4876.95077 | 0.74755 | 0.00013 |
| OS01G0662700 | 298.3101 | 184.90239 | 0.69005 | 0.00772 |
| OS01G0663400 | 287.42855 | 141.01616 | 1.0273 | 0.00039 |
| OS01G0663500 | 141.01904 | 212.18732 | -0.58945 | 0.0494 |
| OS01G0664500 | 465.9063 | 274.63981 | 0.7625 | 0.00106 |
| OS01G0665400 | 65.43787 | 105.459 | -0.68848 | 0.04802 |
| OS01G0665500 | 96.44326 | 159.87742 | -0.72921 | 0.02104 |
| OS01G0665750 | 52.1355 | 103.34395 | -0.98712 | 0.00491 |
| OS01G0666400 | 77.91324 | 42.76843 | 0.86532 | 0.03758 |
| OS01G0666600 | 4244.43694 | 2637.3746 | 0.68647 | 0.00059 |
| OS01G0667900 | 756.35446 | 137.70125 | 2.4575 | 1.07E-31 |
| OS01G0668000 | 436.82058 | 214.24741 | 1.0278 | 7.37E-06 |
| OS01G0668600 | 13.38507 | 42.80312 | -1.6771 | 0.00097 |

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| OS01G0668901 | 16.87736 | 42.51311 | -1.3328 | 0.00847 |
| OS01G0669100 | 86.47254 | 306.27309 | -1.8245 | 1.92E-12 |
| OS01G0670100 | 0.69669 | 59.03212 | -6.4048 | 1.60E-18 |
| OS01G0670500 | 15.1856 | 45.85507 | -1.5944 | 0.01021 |
| OS01G0674700 | 15.84225 | 64.25084 | -2.0199 | 2.84E-06 |
| OS01G0674800 | 27.95421 | 233.71616 | -3.0636 | 3.09E-16 |
| OS01G0675100 | 2745.81263 | 1319.43388 | 1.0573 | 1.04E-07 |
| OS01G0677900 | 163.74046 | 443.60487 | -1.4379 | 1.27E-10 |
| OS01G0678000 | 51.21698 | 122.12235 | -1.2536 | 0.00015 |
| OS01G0678100 | 206.93452 | 102.33397 | 1.0159 | 0.00062 |
| OS01G0678500 | 586.93711 | 403.60586 | 0.54026 | 0.02993 |
| OS01G0681700 | 534.47534 | 839.45349 | -0.65133 | 0.01972 |
| OS01G0681900 | 68.90379 | 131.75322 | -0.93518 | 0.00659 |
| OS01G0682001 | 247.23599 | 536.29468 | -1.1171 | 0.00288 |
| OS01G0685100 | 71.65418 | 134.85599 | -0.9123 | 0.00397 |
| OS01G0686000 | 200.1803 | 94.88204 | 1.0771 | 6.81E-05 |
| OS01G0686800 | 587.15237 | 866.51858 | -0.5615 | 0.01474 |
| OS01G0687400 | 107.13136 | 372.84508 | -1.7992 | 0.00067 |
| OS01G0689451 | 1707.88516 | 1206.27307 | 0.50165 | 0.03076 |
| OS01G0689800 | 127.99755 | 208.94681 | -0.70702 | 0.01492 |
| OS01G0690200 | 391.14448 | 211.84249 | 0.88471 | 0.00021 |
| OS01G0690600 | 14.71082 | 59.38385 | -2.0132 | 5.33E-06 |
| OS01G0690800 | 185.19527 | 301.30986 | -0.7022 | 0.00529 |
| OS01G0693400 | 963.91272 | 328.72115 | 1.552 | 0.0126 |
| OS01G0695300 | 2776.25768 | 829.66951 | 1.7425 | 1.29E-20 |
| OS01G0695700 | 1060.3788 | 352.45993 | 1.589 | 0.03691 |
| OS01G0695800 | 190.34271 | 76.51158 | 1.3148 | 0.00012 |

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| OS01G0697100 | 305.96122 | 122.14387 | 1.3248 | 1.89E-08 |
| OS01G0698000 | 146.53996 | 255.60461 | -0.80262 | 0.0108 |
| OS01G0699100 | 884.94455 | 244.72247 | 1.8544 | 1.47E-07 |
| OS01G0699400 | 65.38394 | 5.27051 | 3.6329 | 0.02684 |
| OS01G0700100 | 8009.56155 | 5822.46226 | 0.46009 | 0.04002 |
| OS01G0703400 | 2709.12769 | 1532.09372 | 0.82232 | 4.03E-05 |
| OS01G0704300 | 280.02533 | 645.86319 | -1.2057 | 5.37E-05 |
| OS01G0706900 | 439.48057 | 185.06249 | 1.2478 | 1.52E-07 |
| OS01G0708500 | 16.45998 | 65.9787 | -2.003 | 0.04687 |
| OS01G0709500 | 2611.03732 | 1655.37976 | 0.65746 | 0.00171 |
| OS01G0710200 | 317.41057 | 183.96346 | 0.78693 | 0.00406 |
| OS01G0710700 | 1343.60321 | 1915.59755 | -0.51169 | 0.02156 |
| OS01G0711000 | 72.86093 | 20.89339 | 1.8021 | 3.46E-06 |
| OS01G0711400 | 18580.81167 | 11035.18628 | 0.7517 | 0.00011 |
| OS01G0712700 | 1369.24822 | 297.37875 | 2.203 | 5.59E-30 |
| OS01G0715400 | 917.3335 | 387.21322 | 1.2443 | 1.12E-09 |
| OS01G0716800 | 67.46272 | 14.3252 | 2.2355 | 0.00406 |
| OS01G0717400 | 128.90368 | 40.12711 | 1.6836 | 0.03007 |
| OS01G0718000 | 39.095 | 77.5664 | -0.98845 | 0.04933 |
| OS01G0718300 | 602.32293 | 285.89086 | 1.0751 | 4.80E-07 |
| OS01G0718700 | 36.40091 | 16.31429 | 1.1578 | 0.04053 |
| OS01G0719100 | 245.46542 | 484.75795 | -0.98174 | 1.54E-05 |
| OS01G0719700 | 833.56175 | 568.43355 | 0.5523 | 0.02326 |
| OS01G0719800 | 1118.42661 | 701.39364 | 0.67317 | 0.00195 |
| OS01G0720400 | 6636.88416 | 2294.7454 | 1.5322 | 5.83E-07 |
| OS01G0720600 | 302.3687 | 158.05891 | 0.93585 | 0.00012 |
| OS01G0720700 | 1134.90204 | 525.63515 | 1.1104 | 1.92E-08 |

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| OS01G0721900 | 332.80541 | 557.62336 | -0.74461 | 0.00109 |
| OS01G0723200 | 84.0154 | 160.15806 | -0.93077 | 0.0043 |
| OS01G0725800 | 9069.02027 | 5955.65644 | 0.60669 | 0.00296 |
| OS01G0727820 | 53.68292 | 138.93065 | -1.3718 | 5.53E-06 |
| OS01G0727840 | 5.39561 | 18.74159 | -1.7964 | 0.03104 |
| OS01G0729100 | 106.90366 | 208.05652 | -0.96066 | 0.00038 |
| OS01G0729500 | 11.31121 | 28.76486 | -1.3466 | 0.04455 |
| OS01G0730500 | 677.1151 | 279.77802 | 1.2751 | 1.69E-09 |
| OS01G0730700 | 8.08214 | 27.91264 | -1.7881 | 0.00653 |
| OS01G0730800 | 654.52136 | 423.45635 | 0.62823 | 0.00696 |
| OS01G0731100 | 307.50982 | 3404.26248 | -3.4686 | 6.72E-10 |
| OS01G0731201 | 29.30994 | 779.02563 | -4.7322 | 8.20E-33 |
| OS01G0733001 | 117.68732 | 223.31876 | -0.92415 | 0.00061 |
| OS01G0734600 | 2035.05666 | 1227.09416 | 0.72982 | 0.01029 |
| OS01G0737900 | 82.06835 | 133.71013 | -0.70421 | 0.03104 |
| OS01G0738000 | 31.36248 | 58.91577 | -0.90961 | 0.04798 |
| OS01G0739200 | 388.65104 | 226.86819 | 0.77662 | 0.00129 |
| OS01G0739500 | 387.4771 | 657.90029 | -0.76376 | 0.00154 |
| OS01G0740650 | 205.08012 | 93.3917 | 1.1348 | 0.00011 |
| OS01G0742100 | 22.11503 | 52.25188 | -1.2405 | 0.00806 |
| OS01G0742500 | 1997.32179 | 838.06444 | 1.2529 | 6.32E-11 |
| OS01G0745000 | 0 | 69.1991 | | 4.23E-08 |
| OS01G0746200 | 111.29312 | 176.92379 | -0.66876 | 0.02977 |
| OS01G0746400 | 40.45463 | 6.09876 | 2.7297 | 1.63E-05 |
| OS01G0747300 | 110.1475 | 34.82263 | 1.6613 | 0.02019 |
| OS01G0747400 | 145.16904 | 90.29861 | 0.68496 | 0.03059 |
| OS01G0748200 | 51.55909 | 90.68306 | -0.81461 | 0.03389 |

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| OS01G0750100 | 1282.94177 | 1835.54643 | -0.51675 | 0.02944 |
| OS01G0750900 | 92.87455 | 48.5064 | 0.93711 | 0.00937 |
| OS01G0753200 | 132.35165 | 201.29795 | -0.60496 | 0.04572 |
| OS01G0753500 | 447.32242 | 253.00851 | 0.82213 | 0.00045 |
| OS01G0754100 | 57.09246 | 120.62916 | -1.0792 | 0.0008 |
| OS01G0755500 | 1.94097 | 11.29509 | -2.5408 | 0.03928 |
| OS01G0756200 | 0.69669 | 9.1377 | -3.7132 | 0.02425 |
| OS01G0757600 | 92.08123 | 43.80748 | 1.0717 | 0.01 |
| OS01G0757900 | 77.79157 | 147.41068 | -0.92216 | 0.00226 |
| OS01G0763000 | 54.22185 | 100.24809 | -0.88663 | 0.0098 |
| OS01G0763600 | 136.86143 | 83.71946 | 0.70908 | 0.0345 |
| OS01G0764400 | 920.12187 | 435.91279 | 1.0778 | 2.20E-07 |
| OS01G0766300 | 38.35955 | 129.42548 | -1.7545 | 0.00137 |
| OS01G0767600 | 290.52906 | 186.67982 | 0.63812 | 0.02058 |
| OS01G0767900 | 1221.2888 | 778.23597 | 0.65012 | 0.00214 |
| OS01G0768700 | 20.4923 | 45.12897 | -1.139 | 0.02643 |
| OS01G0770100 | 194.08542 | 77.22182 | 1.3296 | 0.00612 |
| OS01G0770200 | 1018.66388 | 663.80266 | 0.61785 | 0.00566 |
| OS01G0773100 | 58.19269 | 100.28317 | -0.78517 | 0.02688 |
| OS01G0775500 | 320.1873 | 203.88503 | 0.65116 | 0.01351 |
| OS01G0778800 | 213.70959 | 318.04132 | -0.57356 | 0.03086 |
| OS01G0784450 | 1.94097 | 34.63052 | -4.1572 | 9.49E-09 |
| OS01G0784500 | 11.82126 | 50.20902 | -2.0866 | 0.00021 |
| OS01G0785700 | 25.43555 | 53.19058 | -1.0643 | 0.02234 |
| OS01G0786900 | 1924.72579 | 1153.2046 | 0.739 | 0.00038 |
| OS01G0787400 | 1118.24034 | 626.48038 | 0.83589 | 0.00193 |
| OS01G0787600 | 2.31186 | 85.19216 | -5.2036 | 8.16E-23 |

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| OS01G0788500 | 71.86968 | 129.36563 | -0.848 | 0.00776 |
| OS01G0788950 | 52.18059 | 99.74114 | -0.93468 | 0.00794 |
| OS01G0789100 | 20.74669 | 51.90764 | -1.3231 | 0.00548 |
| OS01G0793200 | 30.51036 | 76.2028 | -1.3205 | 0.00087 |
| OS01G0793300 | 400.17124 | 6.37056 | 5.9731 | 9.69E-06 |
| OS01G0793900 | 15.81466 | 72.69184 | -2.2005 | 1.12E-07 |
| OS01G0794400 | 268.24849 | 148.83985 | 0.84981 | 0.00124 |
| OS01G0796000 | 17.58899 | 87.71593 | -2.3182 | 1.38E-07 |
| OS01G0796400 | 299.04352 | 558.73069 | -0.9018 | 4.76E-05 |
| OS01G0797900 | 309.41087 | 204.48729 | 0.59751 | 0.02938 |
| OS01G0798800 | 34.51148 | 79.08344 | -1.1963 | 0.01213 |
| OS01G0800300 | 407.40653 | 280.78589 | 0.537 | 0.03195 |
| OS01G0800500 | 2335.96741 | 721.94906 | 1.6941 | 2.64E-17 |
| OS01G0802100 | 256.21902 | 156.11229 | 0.71479 | 0.00926 |
| OS01G0805000 | 489.62886 | 325.82126 | 0.58761 | 0.01581 |
| OS01G0806300 | 5.46702 | 23.62718 | -2.1116 | 0.00515 |
| OS01G0807800 | 18.06144 | 38.18721 | -1.0802 | 0.04978 |
| OS01G0808100 | 411.43682 | 595.75726 | -0.53405 | 0.03448 |
| OS01G0810000 | 31.33616 | 88.132 | -1.4918 | 4.04E-05 |
| OS01G0810300 | 894.78714 | 344.50328 | 1.377 | 7.12E-12 |
| OS01G0813100 | 37.60894 | 14.82048 | 1.3435 | 0.01046 |
| OS01G0813700 | 17.75691 | 3.20377 | 2.4705 | 0.0033 |
| OS01G0813800 | 17.75691 | 269.88374 | -3.9259 | 1.90E-25 |
| OS01G0814000 | 74.80568 | 128.69638 | -0.78275 | 0.02004 |
| OS01G0817000 | 1230.92796 | 716.95354 | 0.77979 | 0.00056 |
| OS01G0819700 | 208.52655 | 338.41719 | -0.69857 | 0.01257 |
| OS01G0823600 | 4554.97544 | 2139.18347 | 1.0904 | 4.70E-08 |

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|--------------|------------|------------|----------|----------|
| OS01G0823900 | 91.44864 | 301.89773 | -1.723 | 2.23E-12 |
| OS01G0824000 | 2.66021 | 15.58591 | -2.5506 | 0.0098 |
| OS01G0824600 | 423.29454 | 181.99231 | 1.2178 | 0.00054 |
| OS01G0824800 | 255.79184 | 410.63629 | -0.68289 | 0.00538 |
| OS01G0825500 | 4018.58217 | 2085.68365 | 0.94617 | 0.00311 |
| OS01G0825800 | 58.09208 | 695.05454 | -3.5807 | 6.91E-05 |
| OS01G0826900 | 4482.48167 | 1877.44907 | 1.2555 | 1.62E-11 |
| OS01G0827600 | 55.10012 | 112.87081 | -1.0345 | 0.004 |
| OS01G0827800 | 0 | 20.33141 | | 1.43E-07 |
| OS01G0828100 | 1317.15105 | 583.04439 | 1.1757 | 2.56E-09 |
| OS01G0830000 | 4831.45421 | 2624.41149 | 0.88046 | 3.95E-06 |
| OS01G0830100 | 1564.6603 | 893.17449 | 0.80884 | 8.17E-05 |
| OS01G0830700 | 404.55581 | 1445.06137 | -1.8367 | 7.89E-15 |
| OS01G0830900 | 150.43436 | 42.18855 | 1.8342 | 1.59E-06 |
| OS01G0833150 | 1501.5079 | 779.79116 | 0.94525 | 1.58E-06 |
| OS01G0833200 | 2915.13446 | 1684.40494 | 0.79132 | 5.33E-05 |
| OS01G0834500 | 390.39286 | 587.93344 | -0.59073 | 0.01171 |
| OS01G0835800 | 75.298 | 33.02785 | 1.1889 | 0.00385 |
| OS01G0835900 | 216.37103 | 334.14892 | -0.62698 | 0.01632 |
| OS01G0836800 | 871.26273 | 1250.78658 | -0.52166 | 0.02303 |
| OS01G0837000 | 71.90097 | 238.48664 | -1.7298 | 5.27E-11 |
| OS01G0837800 | 7490.74349 | 4673.66353 | 0.68056 | 0.00063 |
| OS01G0838600 | 268.22073 | 92.63431 | 1.5338 | 1.33E-05 |
| OS01G0838800 | 98.71878 | 157.27306 | -0.67188 | 0.02812 |
| OS01G0839300 | 26.16234 | 60.05878 | -1.1989 | 0.0047 |
| OS01G0839500 | 120.91396 | 254.25914 | -1.0723 | 3.14E-05 |
| OS01G0840700 | 39.57989 | 91.58676 | -1.2104 | 0.00066 |

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| OS01G0840900 | 130.06246 | 253.72549 | -0.96406 | 0.00204 |
| OS01G0841000 | 288.50405 | 752.7749 | -1.3836 | 4.73E-11 |
| OS01G0842200 | 9172.48903 | 3919.78879 | 1.2265 | 2.36E-11 |
| OS01G0842600 | 69.28967 | 23.8773 | 1.537 | 0.0001 |
| OS01G0844800 | 187.81413 | 282.08096 | -0.5868 | 0.03037 |
| OS01G0845950 | 2.80681 | 25.60342 | -3.1893 | 2.93E-05 |
| OS01G0846300 | 1874.05483 | 575.00943 | 1.7045 | 1.60E-19 |
| OS01G0846400 | 249.97974 | 53.41152 | 2.2266 | 0.00633 |
| OS01G0846450 | 628.38837 | 260.33013 | 1.2713 | 4.08E-06 |
| OS01G0846700 | 1149.8424 | 751.79216 | 0.61303 | 0.01101 |
| OS01G0847100 | 36.75054 | 108.55541 | -1.5626 | 3.00E-06 |
| OS01G0847200 | 358.60795 | 159.90248 | 1.1652 | 7.01E-07 |
| OS01G0850900 | 3368.51453 | 1896.39917 | 0.82885 | 0.00258 |
| OS01G0851100 | 636.48582 | 282.42897 | 1.1722 | 3.49E-08 |
| OS01G0851600 | 58.0185 | 30.35098 | 0.93477 | 0.0332 |
| OS01G0852100 | 43.68613 | 160.34124 | -1.8759 | 1.40E-10 |
| OS01G0852400 | 38.06996 | 8.8588 | 2.1035 | 0.01676 |
| OS01G0853600 | 60.17005 | 164.87975 | -1.4543 | 4.07E-07 |
| OS01G0854000 | 348.05219 | 619.21189 | -0.83113 | 0.00363 |
| OS01G0855200 | 48.51295 | 156.78456 | -1.6923 | 1.25E-08 |
| OS01G0857300 | 80.33778 | 139.25417 | -0.79357 | 0.01403 |
| OS01G0857400 | 1341.33108 | 2097.70577 | -0.64515 | 0.0029 |
| OS01G0858350 | 294.63541 | 100.33844 | 1.5541 | 0.00028 |
| OS01G0858700 | 20.17406 | 88.34807 | -2.1307 | 1.08E-08 |
| OS01G0858900 | 443.06325 | 745.15893 | -0.75004 | 0.0008 |
| OS01G0859200 | 769.35811 | 2594.04566 | -1.7535 | 2.35E-21 |
| OS01G0860300 | 49.21712 | 99.06849 | -1.0093 | 0.00384 |

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| OS01G0861000 | 39.20535 | 94.23824 | -1.2653 | 0.00031 |
| OS01G0862800 | 26.99943 | 1.8967 | 3.8314 | 0.00062 |
| OS01G0865400 | 97.80021 | 28.16946 | 1.7957 | 8.62E-08 |
| OS01G0866600 | 1159.69188 | 739.80573 | 0.64852 | 0.0031 |
| OS01G0867300 | 207.80418 | 480.45012 | -1.2092 | 4.77E-08 |
| OS01G0867400 | 31.06678 | 70.63409 | -1.185 | 0.00339 |
| OS01G0869200 | 608.18244 | 399.55389 | 0.60611 | 0.0104 |
| OS01G0870201 | 17.94116 | 44.79395 | -1.32 | 0.00978 |
| OS01G0870400 | 179.04038 | 50.55925 | 1.8242 | 9.07E-07 |
| OS01G0871500 | 370.59277 | 1723.32743 | -2.2173 | 1.26E-06 |
| OS01G0872400 | 43.97177 | 110.21192 | -1.3256 | 0.00015 |
| OS01G0872700 | 494.53591 | 748.17105 | -0.59729 | 0.00975 |
| OS01G0874100 | 118.90881 | 275.58363 | -1.2126 | 2.02E-05 |
| OS01G0874700 | 181.32687 | 375.34697 | -1.0496 | 0.00099 |
| OS01G0874800 | 52.57152 | 166.18406 | -1.6604 | 1.29E-07 |
| OS01G0875400 | 94.05735 | 186.78663 | -0.98978 | 0.00039 |
| OS01G0876500 | 61.40037 | 130.54507 | -1.0882 | 0.00611 |
| OS01G0876650 | 9.94542 | 30.7225 | -1.6272 | 0.00724 |
| OS01G0877300 | 128.74911 | 222.37304 | -0.78842 | 0.02071 |
| OS01G0877600 | 118.21844 | 214.23388 | -0.85773 | 0.04198 |
| OS01G0881300 | 1616.15064 | 788.83992 | 1.0348 | 6.74E-06 |
| OS01G0884400 | 32.39746 | 66.97445 | -1.0477 | 0.01121 |
| OS01G0884900 | 491.64784 | 263.38674 | 0.90044 | 7.26E-05 |
| OS01G0885700 | 41.65753 | 17.38463 | 1.2608 | 0.01583 |
| OS01G0886900 | 2809.27887 | 1676.49061 | 0.74476 | 0.00023 |
| OS01G0887400 | 89.55768 | 53.22597 | 0.75069 | 0.04472 |
| OS01G0888200 | 12.51796 | 36.31061 | -1.5364 | 0.01525 |

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|--------------|-------------|------------|----------|----------|
| OS01G0888900 | 31.26463 | 132.71508 | -2.0857 | 6.19E-11 |
| OS01G0889000 | 322.69963 | 466.20056 | -0.53076 | 0.036 |
| OS01G0889900 | 56.69903 | 208.82171 | -1.8809 | 3.94E-12 |
| OS01G0891601 | 7.90671 | 46.09202 | -2.5434 | 8.51E-07 |
| OS01G0892500 | 122.53779 | 321.70591 | -1.3925 | 7.37E-09 |
| OS01G0892600 | 2723.5731 | 1654.13695 | 0.71942 | 0.00042 |
| OS01G0893400 | 363.30948 | 552.65815 | -0.60519 | 0.01315 |
| OS01G0894300 | 1154.21931 | 1639.29712 | -0.50616 | 0.02593 |
| OS01G0895100 | 1594.43222 | 1090.41489 | 0.54817 | 0.0126 |
| OS01G0896500 | 12647.50727 | 7122.33001 | 0.82843 | 1.60E-05 |
| OS01G0897500 | 46.51688 | 81.61347 | -0.81105 | 0.03744 |
| OS01G0897600 | 739.71587 | 450.07863 | 0.71679 | 0.00103 |
| OS01G0898600 | 87.68192 | 31.6876 | 1.4684 | 2.99E-05 |
| OS01G0898800 | 20340.69525 | 7097.99108 | 1.5189 | 3.41E-17 |
| OS01G0900900 | 1086.97061 | 612.06296 | 0.82856 | 7.04E-05 |
| OS01G0901500 | 522.77218 | 345.66277 | 0.59682 | 0.0126 |
| OS01G0901600 | 373.98073 | 76.94262 | 2.2811 | 0.00172 |
| OS01G0901800 | 114.20636 | 177.2522 | -0.63416 | 0.03879 |
| OS01G0904200 | 2104.30019 | 1429.87881 | 0.55745 | 0.01087 |
| OS01G0905800 | 5470.57069 | 3997.98664 | 0.45242 | 0.04146 |
| OS01G0908200 | 572.65751 | 186.87317 | 1.6156 | 0.00053 |
| OS01G0908700 | 351.27746 | 525.57381 | -0.58128 | 0.02436 |
| OS01G0909100 | 5.56853 | 20.98578 | -1.914 | 0.01358 |
| OS01G0909300 | 17.90728 | 5.09858 | 1.8124 | 0.04019 |
| OS01G0910200 | 19.86575 | 42.12109 | -1.0843 | 0.0494 |
| OS01G0911200 | 393.70863 | 672.98888 | -0.77345 | 0.00036 |
| OS01G0911300 | 1284.8244 | 840.88949 | 0.61158 | 0.00613 |

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| OS01G0912700 | 7877.87789 | 4795.05888 | 0.71626 | 0.00031 |
| OS01G0912850 | 2.73918 | 89.94955 | -5.0373 | 1.36E-23 |
| OS01G0915800 | 111.00477 | 186.63331 | -0.74958 | 0.00805 |
| OS01G0915900 | 95.60014 | 240.71237 | -1.3322 | 1.47E-07 |
| OS01G0916000 | 1.21796 | 25.92906 | -4.412 | 4.38E-07 |
| OS01G0916100 | 82.57442 | 292.41494 | -1.8243 | 2.78E-07 |
| OS01G0917400 | 4294.62087 | 2321.82691 | 0.88727 | 0.00174 |
| OS01G0918300 | 4797.52776 | 3162.18545 | 0.60137 | 0.00376 |
| OS01G0919600 | 4391.6311 | 3000.98205 | 0.54932 | 0.00939 |
| OS01G0919800 | 1991.7001 | 1208.01259 | 0.72136 | 0.00067 |
| OS01G0919900 | 483.25081 | 308.83048 | 0.64596 | 0.00659 |
| OS01G0920500 | 6.03965 | 41.53114 | -2.7817 | 2.01E-05 |
| OS01G0920700 | 4.37311 | 23.15775 | -2.4048 | 0.00137 |
| OS01G0923300 | 1030.58561 | 704.70047 | 0.54838 | 0.01641 |
| OS01G0923900 | 448.03567 | 273.58799 | 0.71161 | 0.00384 |
| OS01G0924000 | 1799.71606 | 1169.04117 | 0.62244 | 0.01508 |
| OS01G0924200 | 70.37487 | 16.40841 | 2.1006 | 1.16E-07 |
| OS01G0924300 | 105.76467 | 177.69458 | -0.74854 | 0.01061 |
| OS01G0924400 | 3070.3855 | 2163.56485 | 0.50501 | 0.02155 |
| OS01G0925400 | 408.89388 | 249.89359 | 0.71041 | 0.0035 |
| OS01G0926800 | 5261.66216 | 2222.90312 | 1.2431 | 5.75E-08 |
| OS01G0927500 | 105.00145 | 61.47834 | 0.77226 | 0.02899 |
| OS01G0927600 | 8466.64193 | 5882.65812 | 0.52532 | 0.01201 |
| OS01G0928000 | 1486.15549 | 793.37838 | 0.9055 | 5.57E-06 |
| OS01G0928300 | 42.98451 | 84.42333 | -0.97383 | 0.01217 |
| OS01G0928800 | 320.34531 | 515.66734 | -0.68681 | 0.00362 |
| OS01G0929100 | 1958.62078 | 1198.37136 | 0.70876 | 0.04589 |

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| OS01G0930400 | 135.32012 | 663.59635 | -2.2939 | 1.47E-26 |
| OS01G0930800 | 1194.19225 | 374.5282 | 1.6729 | 1.65E-17 |
| OS01G0930900 | 85.37256 | 22.02679 | 1.9545 | 5.76E-08 |
| OS01G0930950 | 407.78888 | 102.63542 | 1.9903 | 1.41E-18 |
| OS01G0931000 | 1584.06598 | 388.08727 | 2.0292 | 4.86E-14 |
| OS01G0931300 | 23.14873 | 72.24519 | -1.642 | 0.00017 |
| OS01G0933200 | 783.56234 | 389.6126 | 1.008 | 0.01784 |
| OS01G0933500 | 137.65991 | 255.86332 | -0.89426 | 0.01997 |
| OS01G0933600 | 1947.6155 | 1304.86551 | 0.57781 | 0.00744 |
| OS01G0933900 | 82.21605 | 132.29609 | -0.68628 | 0.04075 |
| OS01G0934350 | 143.67407 | 63.90753 | 1.1687 | 0.0041 |
| OS01G0934400 | 438.65478 | 198.53554 | 1.1437 | 6.24E-05 |
| OS01G0935200 | 1.19164 | 8.94181 | -2.9076 | 0.04886 |
| OS01G0935600 | 953.44285 | 589.96533 | 0.69252 | 0.00155 |
| OS01G0935700 | 495.2317 | 322.52376 | 0.6187 | 0.01336 |
| OS01G0936600 | 40.80668 | 159.77572 | -1.9692 | 1.51E-11 |
| OS01G0938100 | 2431.51955 | 1274.88503 | 0.93149 | 0.01243 |
| OS01G0938600 | 91.72672 | 144.43742 | -0.65503 | 0.04935 |
| OS01G0938900 | 379.28603 | 558.70538 | -0.5588 | 0.02011 |
| OS01G0939000 | 8.98563 | 24.63659 | -1.4551 | 0.04099 |
| OS01G0939700 | 282.82264 | 174.75182 | 0.69459 | 0.00849 |
| OS01G0940100 | 313.80052 | 161.99004 | 0.95394 | 9.78E-05 |
| OS01G0946500 | 265.50922 | 1.19418 | 7.7966 | 0.01129 |
| OS01G0947700 | 73.35095 | 203.2716 | -1.4705 | 4.74E-08 |
| OS01G0948900 | 67.40147 | 142.27752 | -1.0779 | 0.00305 |
| OS01G0949300 | 828.06157 | 1478.86249 | -0.83668 | 6.76E-05 |
| OS01G0949500 | 1365.64664 | 924.223 | 0.56327 | 0.01111 |

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| OS01G0951500 | 2062.43778 | 1465.26449 | 0.49319 | 0.02591 |
| OS01G0952600 | 488.95678 | 711.54386 | -0.54125 | 0.02697 |
| OS01G0952800 | 3.90071 | 350.00179 | -6.4875 | 0.03276 |
| OS01G0953500 | 606.35812 | 231.64166 | 1.3883 | 1.19E-07 |
| OS01G0954000 | 1991.20074 | 1025.24598 | 0.95767 | 1.07E-06 |
| OS01G0956075 | 10.17977 | 40.22249 | -1.9823 | 0.00032 |
| OS01G0956800 | 0.79442 | 13.05495 | -4.0385 | 0.00143 |
| OS01G0957900 | 27.81012 | 54.09339 | -0.95984 | 0.04068 |
| OS01G0958800 | 201.73926 | 324.19843 | -0.68439 | 0.00869 |
| OS01G0959750 | 354.07373 | 70.27802 | 2.3329 | 2.07E-07 |
| OS01G0960400 | 109.49879 | 335.47996 | -1.6153 | 6.16E-11 |
| OS01G0960500 | 2440.51798 | 1578.73984 | 0.62841 | 0.00254 |
| OS01G0961200 | 224.03872 | 125.27842 | 0.83861 | 0.00239 |
| OS01G0962100 | 22.41829 | 5.13555 | 2.1261 | 0.00335 |
| OS01G0962700 | 200.05735 | 720.85739 | -1.8493 | 9.64E-19 |
| OS01G0963000 | 34.83206 | 1912.32654 | -5.7788 | 1.35E-130 |
| OS01G0964333 | 437.09131 | 256.40259 | 0.76952 | 0.00079 |
| OS01G0966300 | 49.0141 | 96.43434 | -0.97635 | 0.00665 |
| OS01G0969200 | 16.79083 | 46.68915 | -1.4754 | 0.00204 |
| OS01G0971900 | 13.53922 | 32.94642 | -1.283 | 0.02555 |
| OS01G0973100 | 38.01243 | 17.04803 | 1.1569 | 0.02673 |
| OS01G0974200 | 1078.62598 | 462.21662 | 1.2226 | 0.0006 |
| OS01G0974400 | 806.23243 | 503.15562 | 0.68019 | 0.00197 |
| OS01G0975300 | 1184.44129 | 3920.01525 | -1.7267 | 0.01208 |
| OS01G0975900 | 671.42288 | 164.02712 | 2.0333 | 0.0103 |
| OS01G0976800 | 20.81433 | 46.6763 | -1.1651 | 0.01725 |
| OS01G0978100 | 4310.05571 | 2449.39475 | 0.81528 | 5.58E-05 |

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| OS01G0978400 | 176.50903 | 115.53279 | 0.61144 | 0.04874 |
| OS02G0100800 | 12.23346 | 31.30292 | -1.3555 | 0.03191 |
| OS02G0101000 | 170.27395 | 323.19973 | -0.92457 | 0.00124 |
| OS02G0102200 | 30.49164 | 12.47642 | 1.2892 | 0.04334 |
| OS02G0102400 | 41.98961 | 82.72101 | -0.97822 | 0.00958 |
| OS02G0103900 | 23.38313 | 46.40253 | -0.98874 | 0.04376 |
| OS02G0105800 | 3.5336 | 14.52109 | -2.0389 | 0.04347 |
| OS02G0106100 | 1969.51535 | 595.8802 | 1.7247 | 3.50E-12 |
| OS02G0106800 | 977.21321 | 623.63577 | 0.64797 | 0.00371 |
| OS02G0109100 | 595.03214 | 415.20208 | 0.51915 | 0.03574 |
| OS02G0109200 | 1135.28517 | 775.08284 | 0.55063 | 0.01324 |
| OS02G0110400 | 44.62222 | 88.46836 | -0.9874 | 0.00945 |
| OS02G0111600 | 56.68141 | 232.71633 | -2.0376 | 4.22E-12 |
| OS02G0111700 | 255.90456 | 378.48953 | -0.56465 | 0.03269 |
| OS02G0114300 | 727.45858 | 440.18763 | 0.72475 | 0.00679 |
| OS02G0114400 | 486.61567 | 296.75205 | 0.71352 | 0.00214 |
| OS02G0114700 | 122.64453 | 217.06659 | -0.82365 | 0.00259 |
| OS02G0115700 | 218.68307 | 550.75429 | -1.3326 | 6.13E-10 |
| OS02G0116000 | 237.15297 | 368.52994 | -0.63596 | 0.00931 |
| OS02G0116500 | 966.39092 | 628.77654 | 0.62006 | 0.00562 |
| OS02G0117500 | 116.72511 | 23.10083 | 2.3371 | 2.13E-12 |
| OS02G0117600 | 80.87403 | 37.77335 | 1.0983 | 0.00351 |
| OS02G0120200 | 60.39311 | 29.49686 | 1.0338 | 0.01972 |
| OS02G0121300 | 12613.94085 | 8458.07839 | 0.57662 | 0.00493 |
| OS02G0121500 | 630.55288 | 193.75488 | 1.7024 | 3.73E-16 |
| OS02G0121700 | 12.85369 | 0 | | 0.02265 |
| OS02G0122500 | 1122.56785 | 595.93818 | 0.91357 | 0.01789 |

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| OS02G0122800 | 127.33844 | 389.38723 | -1.6125 | 1.16E-12 |
| OS02G0123200 | 642.21385 | 978.94283 | -0.60817 | 0.00609 |
| OS02G0126700 | 102.1445 | 171.70129 | -0.74929 | 0.01358 |
| OS02G0127700 | 144.29447 | 232.49084 | -0.68816 | 0.01483 |
| OS02G0134300 | 191.81906 | 497.18014 | -1.374 | 4.26E-10 |
| OS02G0135200 | 46.81386 | 115.84723 | -1.3072 | 4.00E-05 |
| OS02G0135600 | 530.21031 | 366.91033 | 0.53114 | 0.03429 |
| OS02G0135700 | 62.26756 | 129.51375 | -1.0566 | 0.00088 |
| OS02G0135900 | 284.04413 | 153.95113 | 0.88364 | 0.00042 |
| OS02G0136150 | 239.86693 | 102.72363 | 1.2235 | 2.34E-06 |
| OS02G0136800 | 69.19071 | 143.05657 | -1.0479 | 0.00046 |
| OS02G0137700 | 4390.42276 | 2742.50564 | 0.67887 | 0.00073 |
| OS02G0139700 | 3962.66057 | 6153.9175 | -0.63504 | 0.00196 |
| OS02G0140300 | 58.74657 | 109.1542 | -0.89379 | 0.0097 |
| OS02G0141100 | 123.56892 | 238.59284 | -0.94923 | 0.02064 |
| OS02G0141300 | 407.53483 | 282.09391 | 0.53075 | 0.0365 |
| OS02G0143100 | 767.64325 | 502.9173 | 0.61011 | 0.00889 |
| OS02G0145000 | 278.88947 | 402.1049 | -0.52788 | 0.03726 |
| OS02G0145600 | 100.62103 | 188.61028 | -0.90648 | 0.00167 |
| OS02G0147600 | 52.15427 | 103.78964 | -0.99281 | 0.00414 |
| OS02G0148100 | 882.79495 | 618.57456 | 0.51313 | 0.03397 |
| OS02G0149900 | 108.57763 | 54.18941 | 1.0026 | 0.00313 |
| OS02G0150300 | 21.33559 | 65.75001 | -1.6237 | 9.81E-05 |
| OS02G0152200 | 93.78054 | 168.46356 | -0.84508 | 0.00438 |
| OS02G0152500 | 281.11849 | 463.96233 | -0.72283 | 0.0024 |
| OS02G0152600 | 86.03054 | 162.05839 | -0.91359 | 0.00193 |
| OS02G0153200 | 159.03148 | 69.83089 | 1.1874 | 0.00028 |

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| OS02G0157700 | 802.56241 | 570.14598 | 0.49328 | 0.04318 |
| OS02G0157950 | 848.20795 | 507.98853 | 0.73962 | 0.00078 |
| OS02G0160250 | 71.59283 | 35.04824 | 1.0305 | 0.01069 |
| OS02G0160500 | 21860.91116 | 13273.98155 | 0.71975 | 0.00031 |
| OS02G0163500 | 100.96047 | 52.21664 | 0.95121 | 0.00708 |
| OS02G0165200 | 1.56631 | 12.76856 | -3.0272 | 0.00878 |
| OS02G0167100 | 433.94779 | 265.18168 | 0.71054 | 0.00318 |
| OS02G0168100 | 3202.74853 | 1392.80966 | 1.2013 | 0.00022 |
| OS02G0170900 | 72.36836 | 41.5443 | 0.80071 | 0.04768 |
| OS02G0173000 | 25.64363 | 50.78747 | -0.98587 | 0.03044 |
| OS02G0173800 | 194.09666 | 301.6605 | -0.63615 | 0.0178 |
| OS02G0175000 | 80.3593 | 9.47256 | 3.0846 | 0.00333 |
| OS02G0176300 | 0.74556 | 10.00852 | -3.7468 | 0.01215 |
| OS02G0178400 | 470.81723 | 833.31998 | -0.8237 | 0.00016 |
| OS02G0180700 | 487.22521 | 329.76652 | 0.56314 | 0.02319 |
| OS02G0184300 | 1384.90233 | 960.15162 | 0.52845 | 0.02319 |
| OS02G0186400 | 499.48704 | 316.92936 | 0.65629 | 0.00632 |
| OS02G0186900 | 215.48895 | 126.32434 | 0.77048 | 0.02329 |
| OS02G0189000 | 1966.78251 | 1396.20322 | 0.49433 | 0.02993 |
| OS02G0194600 | 53.17926 | 16.21094 | 1.7139 | 9.42E-05 |
| OS02G0194700 | 46901.91173 | 6370.83795 | 2.8801 | 7.20E-10 |
| OS02G0196600 | 498.63746 | 291.44324 | 0.77478 | 0.00078 |
| OS02G0196800 | 355.22993 | 200.70256 | 0.82369 | 0.00066 |
| OS02G0197125 | 4338.05602 | 1633.39093 | 1.4092 | 1.06E-10 |
| OS02G0197200 | 712.29817 | 282.62448 | 1.3336 | 2.07E-10 |
| OS02G0197600 | 49776.54498 | 27766.70783 | 0.84211 | 0.00019 |
| OS02G0199200 | 73.57519 | 460.75235 | -2.6467 | 3.45E-26 |

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| OS02G0199300 | 51.34978 | 164.76559 | -1.682 | 3.96E-09 |
| OS02G0200300 | 245.12357 | 424.33762 | -0.7917 | 0.00101 |
| OS02G0201300 | 219.91222 | 126.07303 | 0.80267 | 0.00378 |
| OS02G0203401 | 75.69028 | 41.22859 | 0.87646 | 0.02971 |
| OS02G0203500 | 70.34477 | 39.97671 | 0.81528 | 0.04349 |
| OS02G0204400 | 160.15081 | 65.57886 | 1.2881 | 7.83E-05 |
| OS02G0204500 | 578.07434 | 398.49812 | 0.53668 | 0.03413 |
| OS02G0205000 | 58.92199 | 102.25744 | -0.79533 | 0.02887 |
| OS02G0205100 | 13.26479 | 49.5471 | -1.9012 | 6.72E-05 |
| OS02G0206700 | 6164.04619 | 1868.86939 | 1.7217 | 3.10E-07 |
| OS02G0213100 | 1.88833 | 46.11788 | -4.6101 | 3.06E-12 |
| OS02G0216200 | 11.99796 | 0 | | 0.00184 |
| OS02G0216300 | 7269.34749 | 20645.97125 | -1.506 | 6.74E-17 |
| OS02G0218200 | 800.12939 | 1163.99518 | -0.54078 | 0.03955 |
| OS02G0219900 | 547.4377 | 795.39838 | -0.53898 | 0.0285 |
| OS02G0220500 | 485.84126 | 691.76966 | -0.50981 | 0.03843 |
| OS02G0221400 | 258.69272 | 154.96401 | 0.73931 | 0.00528 |
| OS02G0224900 | 263.22514 | 391.56327 | -0.57295 | 0.02392 |
| OS02G0228300 | 792.21348 | 1658.07416 | -1.0655 | 2.84E-06 |
| OS02G0229000 | 402.1263 | 617.83283 | -0.61957 | 0.0073 |
| OS02G0230875 | 22.20899 | 4.70483 | 2.2389 | 0.00204 |
| OS02G0232000 | 198.66061 | 88.65866 | 1.164 | 1.16E-05 |
| OS02G0232500 | 125.79455 | 219.49115 | -0.80309 | 0.00326 |
| OS02G0234300 | 1140.02052 | 684.22643 | 0.73651 | 0.00043 |
| OS02G0234500 | 2726.08757 | 1758.42526 | 0.63255 | 0.00305 |
| OS02G0236800 | 25.75757 | 61.00679 | -1.244 | 0.00397 |
| OS02G0238500 | 16.66428 | 40.85312 | -1.2937 | 0.01132 |

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| OS02G0242900 | 0.42353 | 42.79753 | -6.6589 | 3.45E-14 |
| OS02G0244600 | 204.35052 | 120.7549 | 0.75896 | 0.00835 |
| OS02G0247800 | 243.19634 | 152.27775 | 0.67542 | 0.01105 |
| OS02G0250400 | 1315.66677 | 879.58461 | 0.5809 | 0.00759 |
| OS02G0251800 | 23.98582 | 54.30159 | -1.1788 | 0.02533 |
| OS02G0254700 | 1177.89413 | 842.88902 | 0.4828 | 0.04039 |
| OS02G0255500 | 2790.30934 | 1963.22103 | 0.5072 | 0.0201 |
| OS02G0256200 | 13.02916 | 83.27813 | -2.6762 | 0.01518 |
| OS02G0258000 | 130.76921 | 73.62202 | 0.82881 | 0.00982 |
| OS02G0258800 | 855.35506 | 362.93639 | 1.2368 | 0.0077 |
| OS02G0259100 | 1237.19395 | 841.56143 | 0.55593 | 0.01163 |
| OS02G0260200 | 165.21651 | 65.24762 | 1.3404 | 0.00086 |
| OS02G0261400 | 58.96848 | 236.29849 | -2.0026 | 1.32E-14 |
| OS02G0266800 | 800.84485 | 536.31999 | 0.57843 | 0.02354 |
| OS02G0267000 | 38.63899 | 85.7985 | -1.1509 | 0.00196 |
| OS02G0271000 | 2.13894 | 16.05171 | -2.9078 | 0.0044 |
| OS02G0273700 | 825.80268 | 522.0761 | 0.66154 | 0.00371 |
| OS02G0274900 | 6007.32717 | 3853.85049 | 0.64042 | 0.00174 |
| OS02G0275200 | 382.2976 | 1223.93951 | -1.6788 | 2.14E-17 |
| OS02G0276400 | 287.41487 | 166.81428 | 0.78489 | 0.0025 |
| OS02G0276500 | 1128.62351 | 640.53978 | 0.8172 | 8.73E-05 |
| OS02G0277700 | 67.35995 | 129.91727 | -0.94763 | 0.01671 |
| OS02G0282900 | 39.77043 | 74.72019 | -0.9098 | 0.02452 |
| OS02G0284600 | 909.68374 | 1352.72615 | -0.57243 | 0.0114 |
| OS02G0285800 | 9627.93746 | 5756.52989 | 0.74203 | 0.00017 |
| OS02G0285900 | 1160.34868 | 548.24782 | 1.0817 | 0.03712 |
| OS02G0286200 | 121.95154 | 185.92584 | -0.60842 | 0.0404 |

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| OS02G0288200 | 230.47173 | 336.00032 | -0.54387 | 0.04413 |
| OS02G0288600 | 45.97184 | 93.85144 | -1.0296 | 0.00301 |
| OS02G0289700 | 70.69439 | 125.83812 | -0.8319 | 0.01213 |
| OS02G0291000 | 34.80463 | 10.92917 | 1.6711 | 0.00263 |
| OS02G0291500 | 18.49996 | 60.06028 | -1.6989 | 7.32E-05 |
| OS02G0297132 | 0.34835 | 11.01982 | -4.9834 | 0.00233 |
| OS02G0297550 | 24.92069 | 0 | | 0.00441 |
| OS02G0300700 | 769.75467 | 540.62942 | 0.50976 | 0.03543 |
| OS02G0302200 | 499.68783 | 287.49424 | 0.79749 | 0.0324 |
| OS02G0303000 | 0 | 29.96614 | | 5.99E-11 |
| OS02G0303500 | 102.60183 | 6.36481 | 4.0108 | 1.09E-15 |
| OS02G0310200 | 637.7453 | 919.30617 | -0.52757 | 0.02166 |
| OS02G0312800 | 13.88252 | 34.37921 | -1.3083 | 0.02709 |
| OS02G0314300 | 830.57872 | 191.84673 | 2.1142 | 6.50E-11 |
| OS02G0316200 | 690.92 | 447.90068 | 0.62534 | 0.00591 |
| OS02G0318450 | 861.84984 | 303.27743 | 1.5068 | 1.25E-05 |
| OS02G0318500 | 649.63329 | 223.12198 | 1.5418 | 9.70E-05 |
| OS02G0318600 | 413.94234 | 156.99898 | 1.3987 | 0.00103 |
| OS02G0319400 | 11.36513 | 34.24047 | -1.5911 | 0.00522 |
| OS02G0321900 | 175.79612 | 258.50257 | -0.55628 | 0.04965 |
| OS02G0323000 | 113.97587 | 46.22154 | 1.3021 | 4.33E-05 |
| OS02G0323600 | 3096.37888 | 1034.46865 | 1.5817 | 5.76E-07 |
| OS02G0324700 | 76.23412 | 158.8792 | -1.0594 | 0.00267 |
| OS02G0326500 | 118.94927 | 217.83715 | -0.8729 | 0.00107 |
| OS02G0327500 | 28.62959 | 76.25822 | -1.4134 | 0.00032 |
| OS02G0327700 | 250.13555 | 360.15674 | -0.52591 | 0.04921 |
| OS02G0328300 | 592.83714 | 357.27601 | 0.7306 | 0.00148 |

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| OS02G0331200 | 58.96207 | 111.13256 | -0.91442 | 0.00585 |
| OS02G0437300 | 212.99184 | 508.99812 | -1.2569 | 1.01E-08 |
| OS02G0455400 | 121.81105 | 260.52955 | -1.0968 | 0.03726 |
| OS02G0456800 | 699.71377 | 493.92206 | 0.50248 | 0.04933 |
| OS02G0464400 | 121.5494 | 184.80653 | -0.60447 | 0.04392 |
| OS02G0467300 | 6.04343 | 0.24957 | 4.5978 | 0.03661 |
| OS02G0467600 | 5.62117 | 0 | | 0.02147 |
| OS02G0471500 | 2933.73793 | 1971.23614 | 0.57364 | 0.00667 |
| OS02G0472500 | 146.45973 | 91.57611 | 0.67746 | 0.03574 |
| OS02G0472700 | 270.63656 | 171.08453 | 0.66165 | 0.01581 |
| OS02G0473200 | 404.98445 | 269.06015 | 0.58994 | 0.01663 |
| OS02G0475400 | 220.25803 | 90.55653 | 1.2823 | 1.00E-06 |
| OS02G0478500 | 22.98715 | 53.82641 | -1.2275 | 0.0088 |
| OS02G0478700 | 375.15461 | 538.58355 | -0.52168 | 0.0385 |
| OS02G0480200 | 219.31441 | 140.89957 | 0.63833 | 0.02541 |
| OS02G0481900 | 596.83382 | 261.02732 | 1.1931 | 1.83E-08 |
| OS02G0484975 | 235.93742 | 61.93941 | 1.9295 | 3.47E-14 |
| OS02G0488600 | 958.30894 | 553.537 | 0.79181 | 0.00022 |
| OS02G0489400 | 181.64158 | 346.0539 | -0.9299 | 9.15E-05 |
| OS02G0491400 | 232.01158 | 342.4403 | -0.56166 | 0.02885 |
| OS02G0494400 | 107.64799 | 33.54694 | 1.6821 | 3.70E-07 |
| OS02G0495400 | 151.05348 | 231.52099 | -0.61608 | 0.03156 |
| OS02G0496500 | 37.38588 | 75.5337 | -1.0146 | 0.01163 |
| OS02G0497400 | 0.39721 | 13.22877 | -5.0576 | 0.00045 |
| OS02G0498100 | 141.35757 | 250.98761 | -0.82827 | 0.02238 |
| OS02G0498300 | 1262.03596 | 833.29284 | 0.59886 | 0.00787 |
| OS02G0498666 | 906.53324 | 337.77116 | 1.4243 | 0.00742 |

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| OS02G0498700 | 504.68687 | 356.55426 | 0.50127 | 0.04415 |
| OS02G0499000 | 3172.36728 | 1545.81449 | 1.0372 | 9.02E-08 |
| OS02G0503700 | 58.75535 | 8.6905 | 2.7572 | 1.23E-09 |
| OS02G0506600 | 4467.35055 | 2536.55856 | 0.81655 | 2.11E-05 |
| OS02G0507100 | 0.34835 | 9.05816 | -4.7006 | 0.0201 |
| OS02G0512000 | 0.77188 | 9.42235 | -3.6096 | 0.01973 |
| OS02G0515000 | 871.60874 | 522.35087 | 0.73866 | 0.00075 |
| OS02G0515200 | 451.46118 | 281.61704 | 0.68087 | 0.00519 |
| OS02G0517900 | 208.23661 | 39.15042 | 2.4111 | 0.00991 |
| OS02G0520750 | 211.067 | 139.86408 | 0.59368 | 0.0495 |
| OS02G0522700 | 269.6553 | 406.53516 | -0.59226 | 0.01815 |
| OS02G0522800 | 89.60885 | 197.16416 | -1.1377 | 0.00795 |
| OS02G0523500 | 891.11997 | 1289.41239 | -0.53302 | 0.01989 |
| OS02G0525100 | 99.82648 | 56.08383 | 0.83184 | 0.0189 |
| OS02G0525600 | 386.05632 | 1319.83933 | -1.7735 | 0.00025 |
| OS02G0525900 | 25.56967 | 95.77021 | -1.9051 | 8.40E-08 |
| OS02G0526400 | 622.49518 | 1974.3543 | -1.6652 | 0.00016 |
| OS02G0527200 | 961.32982 | 369.75101 | 1.3785 | 1.43E-05 |
| OS02G0527500 | 1.54376 | 25.36686 | -4.0384 | 2.50E-06 |
| OS02G0527600 | 1013.21243 | 5955.63263 | -2.5553 | 3.44E-13 |
| OS02G0527900 | 126.39359 | 275.29446 | -1.1231 | 0.03191 |
| OS02G0528000 | 1117.38638 | 494.96823 | 1.1747 | 1.98E-09 |
| OS02G0532500 | 225.70463 | 956.47566 | -2.0833 | 9.58E-25 |
| OS02G0532800 | 3311.34401 | 2174.75095 | 0.60657 | 0.00323 |
| OS02G0533000 | 2080.28387 | 1401.74825 | 0.56955 | 0.00935 |
| OS02G0533300 | 48.82874 | 19.23688 | 1.3439 | 0.00475 |
| OS02G0533700 | 85.48422 | 161.87291 | -0.92113 | 0.01163 |

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| OS02G0535901 | 2.28932 | 40.06666 | -4.1294 | 0.004 |
| OS02G0536400 | 67.28106 | 116.28467 | -0.78939 | 0.02082 |
| OS02G0536500 | 654.94448 | 245.68837 | 1.4145 | 0.01158 |
| OS02G0539100 | 3047.68246 | 1745.36416 | 0.80418 | 3.81E-05 |
| OS02G0539500 | 90.16288 | 186.98727 | -1.0523 | 0.00029 |
| OS02G0540700 | 172.79621 | 63.99456 | 1.4331 | 0.00508 |
| OS02G0541325 | 153.40793 | 346.22232 | -1.1743 | 6.49E-07 |
| OS02G0542400 | 79.52094 | 228.9754 | -1.5258 | 0.0075 |
| OS02G0545000 | 59.13762 | 97.75946 | -0.72516 | 0.04785 |
| OS02G0549700 | 1138.60484 | 815.4727 | 0.48156 | 0.04188 |
| OS02G0550700 | 86.22477 | 143.5003 | -0.73488 | 0.01567 |
| OS02G0551600 | 9.29632 | 1.17022 | 2.9899 | 0.0444 |
| OS02G0551700 | 21.24414 | 47.60609 | -1.1641 | 0.02281 |
| OS02G0553600 | 108.20942 | 166.77267 | -0.62406 | 0.04394 |
| OS02G0554900 | 3.58247 | 24.82175 | -2.7926 | 0.00016 |
| OS02G0555700 | 164.96725 | 77.79877 | 1.0844 | 0.0002 |
| OS02G0556100 | 285.34105 | 183.13077 | 0.63981 | 0.01802 |
| OS02G0556800 | 10641.76336 | 6594.48712 | 0.6904 | 0.00035 |
| OS02G0556900 | 583.6554 | 345.75326 | 0.75537 | 0.00091 |
| OS02G0561900 | 4.52599 | 24.85124 | -2.457 | 0.00105 |
| OS02G0562600 | 1.16909 | 10.26921 | -3.1349 | 0.02129 |
| OS02G0562700 | 1879.36135 | 1036.61031 | 0.85837 | 1.53E-05 |
| OS02G0563800 | 815.92519 | 478.9157 | 0.76867 | 0.00038 |
| OS02G0564300 | 859.71116 | 602.32548 | 0.51331 | 0.02714 |
| OS02G0564400 | 1322.08746 | 895.44346 | 0.56214 | 0.01046 |
| OS02G0565150 | 45.50317 | 21.02101 | 1.1141 | 0.02025 |
| OS02G0566300 | 284.55423 | 178.86164 | 0.66986 | 0.01286 |

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| OS02G0567100 | 1336.13722 | 963.81315 | 0.47124 | 0.04421 |
| OS02G0568200 | 59.64878 | 17.91658 | 1.7352 | 3.13E-05 |
| OS02G0569000 | 89.21434 | 16.36238 | 2.4469 | 1.87E-11 |
| OS02G0570500 | 19.64146 | 5.78266 | 1.7641 | 0.04536 |
| OS02G0570900 | 134.68496 | 39.10659 | 1.7841 | 5.75E-08 |
| OS02G0571000 | 124.85353 | 37.87891 | 1.7208 | 3.42E-08 |
| OS02G0571100 | 931.78537 | 270.78207 | 1.7829 | 5.00E-17 |
| OS02G0571300 | 249.81345 | 58.41 | 2.0966 | 1.87E-11 |
| OS02G0573200 | 4574.31949 | 2452.77319 | 0.89914 | 2.81E-06 |
| OS02G0573500 | 1.91465 | 25.1783 | -3.717 | 6.07E-06 |
| OS02G0574500 | 900.64877 | 267.50444 | 1.7514 | 3.29E-18 |
| OS02G0574800 | 21.53862 | 4.45699 | 2.2728 | 0.00214 |
| OS02G0575000 | 212.66056 | 64.17011 | 1.7286 | 3.09E-11 |
| OS02G0575200 | 87.81353 | 28.76864 | 1.6099 | 4.49E-06 |
| OS02G0575500 | 8572.69556 | 5157.27982 | 0.73314 | 0.00023 |
| OS02G0575900 | 2.66399 | 14.79273 | -2.4732 | 0.01523 |
| OS02G0576700 | 140.6895 | 260.7298 | -0.89004 | 0.00042 |
| OS02G0579600 | 23.06361 | 8.04339 | 1.5197 | 0.04103 |
| OS02G0579800 | 748.03227 | 1161.6575 | -0.63501 | 0.00359 |
| OS02G0580100 | 118.43789 | 183.51421 | -0.63176 | 0.04207 |
| OS02G0580400 | 57.38324 | 113.0787 | -0.97863 | 0.005 |
| OS02G0580900 | 849.46544 | 442.6442 | 0.94041 | 4.75E-06 |
| OS02G0581900 | 206.9994 | 133.54673 | 0.63228 | 0.02715 |
| OS02G0582100 | 279.26136 | 423.61225 | -0.60113 | 0.01556 |
| OS02G0582600 | 3.52982 | 27.29524 | -2.951 | 3.32E-05 |
| OS02G0584700 | 56.45585 | 102.9025 | -0.86608 | 0.0284 |
| OS02G0586800 | 60.31537 | 117.70793 | -0.96461 | 0.00344 |

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| OS02G0588700 | 576.41155 | 313.04838 | 0.88071 | 7.21E-05 |
| OS02G0589000 | 849.15869 | 120.01902 | 2.8228 | 0.0029 |
| OS02G0590200 | 63.94663 | 15.59127 | 2.0361 | 0.04604 |
| OS02G0591900 | 2136.401 | 1550.50384 | 0.46245 | 0.04782 |
| OS02G0592600 | 116.4269 | 188.56771 | -0.69566 | 0.02129 |
| OS02G0593500 | 3103.19285 | 1950.40091 | 0.66998 | 0.00141 |
| OS02G0594651 | 365.68881 | 88.41057 | 2.0483 | 4.07E-12 |
| OS02G0594700 | 12.49291 | 2.90974 | 2.1021 | 0.04694 |
| OS02G0595100 | 1219.18799 | 505.34711 | 1.2706 | 1.50E-10 |
| OS02G0595700 | 10327.64309 | 6845.38426 | 0.59331 | 0.00354 |
| OS02G0595800 | 430.67826 | 269.80681 | 0.67468 | 0.00546 |
| OS02G0596700 | 24.28785 | 6.72537 | 1.8525 | 0.01131 |
| OS02G0600400 | 85.11694 | 199.85026 | -1.2314 | 4.96E-06 |
| OS02G0601300 | 145.99489 | 393.14221 | -1.4291 | 4.76E-10 |
| OS02G0601600 | 35.61532 | 77.46676 | -1.1211 | 0.00458 |
| OS02G0603600 | 69.12553 | 1274.13052 | -4.2042 | 1.15E-09 |
| OS02G0603700 | 13.96148 | 77.96339 | -2.4813 | 0.00817 |
| OS02G0606100 | 77.54218 | 138.04865 | -0.83212 | 0.01057 |
| OS02G0606800 | 196.12807 | 451.80136 | -1.2039 | 9.27E-08 |
| OS02G0608000 | 697.38351 | 113.99594 | 2.613 | 6.31E-09 |
| OS02G0609900 | 30.61187 | 68.36286 | -1.1591 | 0.00479 |
| OS02G0610400 | 96.18016 | 165.61357 | -0.78401 | 0.01075 |
| OS02G0610500 | 11416.49885 | 7956.71551 | 0.52088 | 0.01073 |
| OS02G0611400 | 37.56007 | 116.45659 | -1.6325 | 4.90E-07 |
| OS02G0612200 | 34.48766 | 86.05784 | -1.3192 | 0.00028 |
| OS02G0613200 | 35.21561 | 72.82695 | -1.0483 | 0.00759 |
| OS02G0614100 | 167.02225 | 386.3346 | -1.2098 | 2.20E-07 |

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| OS02G0617600 | 2893.41939 | 1805.08036 | 0.68071 | 0.00092 |
| OS02G0618200 | 3.45841 | 15.71164 | -2.1837 | 0.02338 |
| OS02G0620200 | 189.48177 | 111.77408 | 0.76147 | 0.00744 |
| OS02G0621800 | 235.28939 | 529.01051 | -1.1689 | 8.74E-08 |
| OS02G0625000 | 455.98118 | 1635.07418 | -1.8423 | 8.79E-10 |
| OS02G0625300 | 1589.26892 | 737.6426 | 1.1074 | 1.39E-08 |
| OS02G0627100 | 756.99582 | 74.05139 | 3.3537 | 2.18E-24 |
| OS02G0628600 | 818.40714 | 398.08453 | 1.0397 | 5.05E-07 |
| OS02G0629200 | 733.08432 | 212.18666 | 1.7886 | 3.92E-16 |
| OS02G0632800 | 87.09922 | 43.65013 | 0.99667 | 0.00687 |
| OS02G0633200 | 19.08393 | 45.14568 | -1.2422 | 0.01196 |
| OS02G0633300 | 141.40997 | 348.22838 | -1.3001 | 0.00406 |
| OS02G0633400 | 104.54781 | 188.55888 | -0.85085 | 0.00344 |
| OS02G0635000 | 775.61537 | 537.60333 | 0.5288 | 0.02743 |
| OS02G0635200 | 1038.93609 | 598.90124 | 0.79472 | 0.00013 |
| OS02G0636300 | 37.25682 | 100.60251 | -1.4331 | 2.93E-05 |
| OS02G0638000 | 21.41078 | 71.93201 | -1.7483 | 1.05E-05 |
| OS02G0638300 | 2962.19666 | 1646.6417 | 0.84714 | 1.50E-05 |
| OS02G0638900 | 803.69708 | 563.10284 | 0.51325 | 0.03285 |
| OS02G0639100 | 88.76581 | 273.35419 | -1.6227 | 4.05E-11 |
| OS02G0639300 | 3.30803 | 27.17866 | -3.0384 | 4.82E-05 |
| OS02G0642200 | 252.46721 | 122.97757 | 1.0377 | 0.03241 |
| OS02G0642700 | 445.3532 | 217.31371 | 1.0352 | 4.45E-05 |
| OS02G0643000 | 1469.04285 | 628.8004 | 1.2242 | 4.48E-10 |
| OS02G0643500 | 1065.54023 | 754.17494 | 0.49861 | 0.03249 |
| OS02G0644000 | 384.45357 | 603.91179 | -0.65153 | 0.00494 |
| OS02G0644100 | 314.65388 | 451.68674 | -0.52156 | 0.04647 |

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| OS02G0645100 | 289.91141 | 194.4418 | 0.57627 | 0.03793 |
| OS02G0646200 | 27.52435 | 91.53362 | -1.7336 | 1.69E-06 |
| OS02G0649400 | 313.9256 | 157.45295 | 0.9955 | 4.24E-05 |
| OS02G0649800 | 490.70796 | 193.76962 | 1.3405 | 8.22E-10 |
| OS02G0651300 | 4983.38217 | 3158.81674 | 0.65774 | 0.0011 |
| OS02G0653300 | 12.28989 | 43.06759 | -1.8091 | 0.00059 |
| OS02G0653900 | 2823.33379 | 1848.32798 | 0.61118 | 0.04822 |
| OS02G0654300 | 57.70271 | 11.58376 | 2.3165 | 0.00242 |
| OS02G0654600 | 44.81391 | 13.36372 | 1.7456 | 0.00032 |
| OS02G0658500 | 622.76892 | 409.49495 | 0.60485 | 0.01089 |
| OS02G0662700 | 420.48112 | 193.78633 | 1.1176 | 7.62E-07 |
| OS02G0663100 | 2021.25862 | 1088.06657 | 0.89349 | 4.63E-06 |
| OS02G0664000 | 272.9646 | 127.48627 | 1.0984 | 1.32E-05 |
| OS02G0665250 | 208.73127 | 81.92453 | 1.3493 | 2.50E-07 |
| OS02G0665800 | 17.03639 | 44.8518 | -1.3965 | 0.00672 |
| OS02G0666200 | 21273.03492 | 8837.82414 | 1.2673 | 4.35E-12 |
| OS02G0666250 | 56.3182 | 18.0613 | 1.6407 | 0.00021 |
| OS02G0668400 | 29.62326 | 70.18674 | -1.2445 | 0.00221 |
| OS02G0669000 | 124.98502 | 48.51886 | 1.3651 | 0.00229 |
| OS02G0669100 | 1002.58151 | 537.7845 | 0.89862 | 0.00824 |
| OS02G0670400 | 248.10949 | 132.67345 | 0.9031 | 0.00043 |
| OS02G0670500 | 2242.06086 | 1138.99664 | 0.97706 | 7.20E-05 |
| OS02G0672700 | 271.57521 | 421.44536 | -0.63399 | 0.01099 |
| OS02G0672800 | 557.11609 | 392.62189 | 0.50484 | 0.04981 |
| OS02G0673500 | 146.74552 | 375.94541 | -1.3572 | 0.00074 |
| OS02G0675700 | 68.26085 | 20.94147 | 1.7047 | 4.54E-05 |
| OS02G0675800 | 1663.47553 | 847.11144 | 0.97358 | 0.00055 |

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| OS02G0678200 | 6024.65957 | 3382.60607 | 0.83274 | 0.00036 |
| OS02G0678400 | 875.73061 | 611.93141 | 0.51712 | 0.02758 |
| OS02G0680600 | 951.31106 | 504.74549 | 0.91436 | 4.76E-05 |
| OS02G0680700 | 3479.63466 | 2304.42204 | 0.59453 | 0.00476 |
| OS02G0682300 | 18.32827 | 44.99386 | -1.2957 | 0.0143 |
| OS02G0682600 | 34.4951 | 66.32734 | -0.94321 | 0.02696 |
| OS02G0684500 | 16.40105 | 42.0216 | -1.3573 | 0.03878 |
| OS02G0684600 | 15.99641 | 67.0998 | -2.0686 | 9.12E-07 |
| OS02G0685200 | 4945.28677 | 2610.30673 | 0.92183 | 1.64E-06 |
| OS02G0685600 | 64.51557 | 145.51888 | -1.1735 | 0.00011 |
| OS02G0686600 | 40.02354 | 75.15627 | -0.90904 | 0.02923 |
| OS02G0687600 | 63.15984 | 150.01284 | -1.248 | 2.93E-05 |
| OS02G0689200 | 92.33056 | 229.70232 | -1.3149 | 5.12E-07 |
| OS02G0693500 | 5291.71119 | 2311.40793 | 1.195 | 1.80E-10 |
| OS02G0694600 | 11.63828 | 31.51378 | -1.4371 | 0.01773 |
| OS02G0694800 | 296.51114 | 190.74259 | 0.63646 | 0.01976 |
| OS02G0695800 | 75.91334 | 128.03059 | -0.75406 | 0.02025 |
| OS02G0696900 | 131.144 | 49.30895 | 1.4112 | 0.00018 |
| OS02G0697400 | 284.83326 | 32.20393 | 3.1448 | 0.00011 |
| OS02G0697700 | 823.85322 | 580.24421 | 0.50573 | 0.03587 |
| OS02G0698000 | 16165.27206 | 10034.46218 | 0.68793 | 0.00062 |
| OS02G0699600 | 426.58588 | 715.53356 | -0.74618 | 0.00074 |
| OS02G0700400 | 2418.87184 | 1125.83189 | 1.1033 | 5.75E-09 |
| OS02G0700700 | 16.09287 | 4.3259 | 1.8954 | 0.03915 |
| OS02G0701600 | 1190.22761 | 670.76658 | 0.82735 | 6.24E-05 |
| OS02G0702800 | 963.66256 | 671.21399 | 0.52176 | 0.02533 |
| OS02G0704600 | 1939.70573 | 956.9849 | 1.0193 | 1.82E-07 |

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| OS02G0705100 | 9140.12645 | 5744.80291 | 0.66996 | 0.00151 |
| OS02G0705300 | 119.62078 | 63.9259 | 0.904 | 0.02888 |
| OS02G0705400 | 293.32789 | 105.78843 | 1.4713 | 1.67E-09 |
| OS02G0705600 | 570.87167 | 378.27448 | 0.59373 | 0.01321 |
| OS02G0707100 | 1949.98442 | 1268.38566 | 0.62047 | 0.00341 |
| OS02G0709200 | 286.64319 | 179.66774 | 0.67392 | 0.01056 |
| OS02G0709600 | 175.61958 | 70.84408 | 1.3097 | 0.00365 |
| OS02G0712600 | 0 | 13.90158 | | 0.00012 |
| OS02G0714700 | 13.55671 | 32.54715 | -1.2635 | 0.03498 |
| OS02G0716100 | 108.30333 | 173.0786 | -0.67635 | 0.02971 |
| OS02G0717400 | 921.71086 | 1368.55043 | -0.57026 | 0.00916 |
| OS02G0717800 | 494.69499 | 740.84386 | -0.58263 | 0.0106 |
| OS02G0719100 | 228.57219 | 141.71134 | 0.68969 | 0.01781 |
| OS02G0719600 | 116.14334 | 2.24978 | 5.69 | 1.20E-10 |
| OS02G0720900 | 584.60059 | 192.53539 | 1.6023 | 0.00021 |
| OS02G0723200 | 31.51159 | 64.59894 | -1.0356 | 0.01653 |
| OS02G0723400 | 26.97176 | 69.78021 | -1.3714 | 0.01327 |
| OS02G0725000 | 129.12271 | 43.66716 | 1.5641 | 3.60E-07 |
| OS02G0725100 | 1095.82813 | 747.59059 | 0.5517 | 0.01502 |
| OS02G0728500 | 365.18941 | 172.95838 | 1.0782 | 4.21E-06 |
| OS02G0728700 | 71.51008 | 121.74011 | -0.76759 | 0.02616 |
| OS02G0729300 | 920.47752 | 1269.46787 | -0.46377 | 0.04983 |
| OS02G0730300 | 356.16332 | 570.56774 | -0.67986 | 0.00357 |
| OS02G0734300 | 1793.83816 | 2819.80717 | -0.65255 | 0.00744 |
| OS02G0734400 | 112.37186 | 406.33195 | -1.8544 | 3.93E-11 |
| OS02G0736200 | 180.39244 | 55.30926 | 1.7055 | 0.02001 |
| OS02G0737801 | 4.13006 | 17.52148 | -2.0849 | 0.02402 |

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| OS02G0739600 | 3001.03678 | 1762.36746 | 0.76795 | 0.0001 |
| OS02G0740500 | 47.10828 | 18.70265 | 1.3327 | 0.00566 |
| OS02G0740600 | 149.61493 | 79.70265 | 0.90855 | 0.02716 |
| OS02G0740700 | 180.15683 | 119.29452 | 0.59473 | 0.04733 |
| OS02G0742000 | 6974.09999 | 4598.2009 | 0.60094 | 0.00372 |
| OS02G0742100 | 1900.29633 | 1348.23218 | 0.49516 | 0.03038 |
| OS02G0742700 | 3.15515 | 99.09814 | -4.9731 | 3.41E-25 |
| OS02G0743200 | 55.33447 | 132.09762 | -1.2554 | 7.21E-05 |
| OS02G0744000 | 1718.73129 | 1048.97222 | 0.71237 | 0.00107 |
| OS02G0744682 | 21.26041 | 59.06026 | -1.474 | 0.00079 |
| OS02G0744700 | 1899.60337 | 1266.82312 | 0.58448 | 0.00754 |
| OS02G0744900 | 8354.00438 | 3356.49027 | 1.3155 | 2.21E-05 |
| OS02G0745100 | 198.90628 | 72.816 | 1.4498 | 0.03724 |
| OS02G0749400 | 146.74677 | 220.18847 | -0.58541 | 0.04695 |
| OS02G0750500 | 52.84468 | 96.74312 | -0.8724 | 0.01613 |
| OS02G0753300 | 132.22989 | 27.73511 | 2.2533 | 0.01644 |
| OS02G0753800 | 515.26359 | 225.16197 | 1.1943 | 0.00016 |
| OS02G0754000 | 290.75946 | 423.69939 | -0.54321 | 0.03872 |
| OS02G0754100 | 547.0076 | 379.02281 | 0.52928 | 0.03304 |
| OS02G0754800 | 43.11361 | 93.0495 | -1.1099 | 0.00155 |
| OS02G0755600 | 148.94214 | 64.97363 | 1.1968 | 3.41E-05 |
| OS02G0758800 | 11.08819 | 0.55645 | 4.3166 | 0.00806 |
| OS02G0761700 | 1056.43546 | 692.21969 | 0.6099 | 0.00684 |
| OS02G0764100 | 79.0046 | 37.01888 | 1.0937 | 0.00359 |
| OS02G0766000 | 815.08185 | 499.54295 | 0.70634 | 0.00138 |
| OS02G0766700 | 1324.42705 | 597.66045 | 1.148 | 6.63E-06 |
| OS02G0768600 | 2633.00904 | 1600.72482 | 0.71799 | 0.00052 |

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| OS02G0769800 | 52.06282 | 140.23112 | -1.4295 | 2.85E-05 |
| OS02G0771400 | 11.83753 | 2.15739 | 2.456 | 0.0364 |
| OS02G0775050 | 303.30375 | 170.27519 | 0.8329 | 0.00127 |
| OS02G0778400 | 101.44773 | 159.90524 | -0.65648 | 0.03712 |
| OS02G0778900 | 55.14673 | 4.14475 | 3.7339 | 4.30E-05 |
| OS02G0779000 | 76.93697 | 19.76053 | 1.9611 | 0.04669 |
| OS02G0779200 | 1405.87112 | 925.28253 | 0.6035 | 0.00527 |
| OS02G0779500 | 18.85964 | 40.49051 | -1.1023 | 0.0418 |
| OS02G0780600 | 33.41253 | 66.51196 | -0.99322 | 0.0178 |
| OS02G0782100 | 67.04056 | 144.42307 | -1.1072 | 0.00017 |
| OS02G0782600 | 2731.73618 | 1376.21089 | 0.98912 | 4.46E-07 |
| OS02G0783625 | 27.74236 | 74.32779 | -1.4218 | 0.00034 |
| OS02G0787600 | 178.24468 | 408.52402 | -1.1966 | 2.52E-07 |
| OS02G0788500 | 33.30473 | 61.29167 | -0.87996 | 0.04326 |
| OS02G0789600 | 363.74409 | 240.58152 | 0.5964 | 0.01807 |
| OS02G0792100 | 49.31486 | 112.99159 | -1.1961 | 0.00252 |
| OS02G0793700 | 2798.29852 | 1208.9623 | 1.2108 | 1.62E-10 |
| OS02G0798200 | 2190.85424 | 1387.37871 | 0.65913 | 0.00178 |
| OS02G0802500 | 0.74556 | 15.71338 | -4.3975 | 0.00021 |
| OS02G0802700 | 413.14572 | 240.20637 | 0.78238 | 0.00083 |
| OS02G0803200 | 41.25904 | 86.53421 | -1.0686 | 0.00349 |
| OS02G0804300 | 72.14912 | 120.80812 | -0.74366 | 0.03127 |
| OS02G0805200 | 72.10403 | 125.41867 | -0.7986 | 0.0169 |
| OS02G0805500 | 195.53173 | 100.10731 | 0.96586 | 0.00033 |
| OS02G0805800 | 1145.15835 | 726.2318 | 0.65705 | 0.00868 |
| OS02G0806700 | 3629.19815 | 2122.24821 | 0.77406 | 0.00221 |
| OS02G0807750 | 92.53491 | 169.95957 | -0.87712 | 0.00256 |

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| OS02G0807800 | 8.85402 | 119.6088 | -3.7558 | 2.28E-22 |
| OS02G0809100 | 167.50225 | 332.70353 | -0.99006 | 4.39E-05 |
| OS02G0812400 | 290.59279 | 420.43673 | -0.53289 | 0.03931 |
| OS02G0813350 | 50.01155 | 22.76976 | 1.1351 | 0.01523 |
| OS02G0813800 | 179.69047 | 82.80087 | 1.1178 | 0.02334 |
| OS02G0814000 | 1992.17293 | 887.40154 | 1.1667 | 2.59E-05 |
| OS02G0814300 | 9.97047 | 0.54534 | 4.1924 | 0.00378 |
| OS02G0814400 | 299.97793 | 151.54787 | 0.98508 | 0.00027 |
| OS02G0814700 | 212.83497 | 397.10601 | -0.89979 | 9.84E-05 |
| OS02G0814800 | 564.73447 | 341.98155 | 0.72365 | 0.00665 |
| OS02G0815000 | 203.76154 | 348.57715 | -0.7746 | 0.0015 |
| OS02G0815300 | 1800.56889 | 931.24906 | 0.95121 | 0.04109 |
| OS02G0815700 | 3144.3625 | 1978.14916 | 0.66862 | 0.0012 |
| OS02G0816300 | 44.75999 | 92.67933 | -1.05 | 0.0043 |
| OS02G0816600 | 2989.85866 | 1939.78942 | 0.62418 | 0.00291 |
| OS02G0817600 | 1947.83255 | 1250.69871 | 0.63914 | 0.00206 |
| OS02G0818000 | 1.51744 | 10.07332 | -2.7308 | 0.04093 |
| OS02G0819700 | 67.91263 | 125.70371 | -0.88828 | 0.00752 |
| OS02G0820300 | 80.56712 | 133.19412 | -0.72527 | 0.0304 |
| OS02G0820900 | 672.69415 | 1137.7398 | -0.75815 | 0.00042 |
| OS02G0821400 | 211.50662 | 475.27689 | -1.1681 | 1.76E-07 |
| OS02G0822100 | 379.15688 | 201.37962 | 0.91288 | 0.00013 |
| OS02G0822800 | 112.04488 | 174.12859 | -0.63608 | 0.0343 |
| OS02G0822900 | 8.85024 | 211.82457 | -4.581 | 2.77E-20 |
| OS02G0823300 | 1095.48616 | 651.9374 | 0.74877 | 0.00037 |
| OS02G0823400 | 660.24561 | 394.94621 | 0.74135 | 0.01553 |
| OS02G0823900 | 2495.03231 | 1412.03027 | 0.82129 | 0.00026 |

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| OS02G0826100 | 18.61153 | 49.48056 | -1.4107 | 0.0031 |
| OS02G0827400 | 1099.61533 | 653.6555 | 0.7504 | 0.00043 |
| OS02G0827500 | 593.84 | 388.41205 | 0.61249 | 0.00912 |
| OS02G0827900 | 330.83187 | 1015.79652 | -1.6184 | 7.28E-16 |
| OS02G0829500 | 691.79746 | 439.39548 | 0.65483 | 0.01342 |
| OS02G0829850 | 11296.73675 | 6906.69402 | 0.70984 | 0.00028 |
| OS02G0831700 | 17.83337 | 38.252 | -1.101 | 0.03963 |
| OS02G0832400 | 864.04974 | 571.71848 | 0.59581 | 0.0103 |
| OS02G0832500 | 1002.09489 | 659.33525 | 0.60394 | 0.00654 |
| OS02G0832600 | 822.51459 | 558.55861 | 0.55833 | 0.01454 |
| OS02G0833200 | 165.53126 | 93.03468 | 0.83126 | 0.00468 |
| OS03G0100100 | 80.32029 | 39.68859 | 1.017 | 0.00612 |
| OS03G0101000 | 68.95393 | 128.22428 | -0.89496 | 0.01129 |
| OS03G0101600 | 1176.57729 | 733.03648 | 0.68264 | 0.00141 |
| OS03G0102000 | 45.59963 | 100.15303 | -1.1351 | 0.00135 |
| OS03G0102100 | 81.5408 | 234.55199 | -1.5243 | 3.50E-09 |
| OS03G0103400 | 265.52562 | 167.94715 | 0.66084 | 0.01491 |
| OS03G0106000 | 1052.38374 | 703.73947 | 0.58055 | 0.00847 |
| OS03G0109500 | 71.11152 | 147.71694 | -1.0547 | 0.00042 |
| OS03G0109600 | 402.12498 | 607.21578 | -0.59457 | 0.0101 |
| OS03G0109800 | 2642.32525 | 1602.80458 | 0.72121 | 0.00036 |
| OS03G0109900 | 1253.41992 | 169.4576 | 2.8869 | 5.71E-08 |
| OS03G0110900 | 64.54061 | 35.26478 | 0.87198 | 0.04039 |
| OS03G0111100 | 260.74502 | 537.40809 | -1.0434 | 2.50E-06 |
| OS03G0111400 | 25.64736 | 8.8402 | 1.5367 | 0.01872 |
| OS03G0111800 | 35.80463 | 109.36924 | -1.611 | 1.00E-06 |
| OS03G0113500 | 57.20153 | 890.26497 | -3.9601 | 0.00156 |

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| OS03G0114200 | 85.67076 | 138.34448 | -0.69139 | 0.04349 |
| OS03G0114800 | 34.6442 | 78.76656 | -1.185 | 0.00247 |
| OS03G0115100 | 164.0503 | 310.20991 | -0.91911 | 0.00019 |
| OS03G0116000 | 28.31262 | 56.29833 | -0.99165 | 0.03129 |
| OS03G0116300 | 288.49619 | 167.18816 | 0.78708 | 0.01828 |
| OS03G0116700 | 186.46698 | 89.54989 | 1.0582 | 0.00054 |
| OS03G0116800 | 232.03904 | 153.79182 | 0.59339 | 0.03193 |
| OS03G0116900 | 173.16839 | 112.14456 | 0.62682 | 0.04397 |
| OS03G0117100 | 13376.53723 | 9504.31325 | 0.49305 | 0.0221 |
| OS03G0117300 | 138.92904 | 82.3033 | 0.75533 | 0.01678 |
| OS03G0118200 | 315.13109 | 97.51098 | 1.6923 | 7.65E-06 |
| OS03G0118800 | 281.01468 | 141.20163 | 0.99289 | 8.68E-05 |
| OS03G0120200 | 102.94653 | 35.02269 | 1.5555 | 3.99E-06 |
| OS03G0122000 | 157.4518 | 74.16524 | 1.0861 | 0.01028 |
| OS03G0122300 | 203.28494 | 48.42458 | 2.0697 | 0.01237 |
| OS03G0122600 | 844.49306 | 545.61478 | 0.6302 | 0.00471 |
| OS03G0123200 | 29.40275 | 65.14971 | -1.1478 | 0.00539 |
| OS03G0125100 | 127.78447 | 257.92416 | -1.0132 | 9.70E-05 |
| OS03G0125900 | 2009.16368 | 1393.61773 | 0.52776 | 0.01598 |
| OS03G0126000 | 494.66269 | 242.44809 | 1.0288 | 0.00048 |
| OS03G0126600 | 315.85297 | 129.48647 | 1.2865 | 2.28E-07 |
| OS03G0126700 | 586.0595 | 130.5501 | 2.1664 | 0.02046 |
| OS03G0126825 | 801.26906 | 354.01356 | 1.1785 | 7.14E-08 |
| OS03G0127900 | 736.88038 | 429.76525 | 0.77788 | 0.0004 |
| OS03G0127950 | 473.23813 | 247.73257 | 0.93378 | 3.40E-05 |
| OS03G0128100 | 985.00335 | 1974.86205 | -1.0036 | 1.53E-07 |
| OS03G0128200 | 622.73187 | 1294.51376 | -1.0557 | 6.88E-08 |

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| OS03G0128800 | 8701.74406 | 5110.96802 | 0.76771 | 5.90E-05 |
| OS03G0129300 | 12879.467 | 6885.30045 | 0.90348 | 0.03145 |
| OS03G0129400 | 26.70738 | 52.14459 | -0.96528 | 0.04912 |
| OS03G0130100 | 68.31987 | 28.13628 | 1.2799 | 0.02446 |
| OS03G0130900 | 542.4463 | 193.3993 | 1.4879 | 3.62E-12 |
| OS03G0131100 | 3120.07028 | 1673.52504 | 0.89869 | 4.37E-06 |
| OS03G0131200 | 58287.05441 | 29654.71412 | 0.97491 | 1.01E-07 |
| OS03G0132000 | 1348.59111 | 921.48433 | 0.54942 | 0.01284 |
| OS03G0132800 | 639.05656 | 434.6624 | 0.55605 | 0.01774 |
| OS03G0133400 | 978.79781 | 222.69591 | 2.1359 | 1.57E-05 |
| OS03G0135400 | 328.32429 | 622.70381 | -0.92342 | 2.91E-05 |
| OS03G0137200 | 262.23843 | 452.20436 | -0.7861 | 0.00231 |
| OS03G0138000 | 212.74721 | 317.36829 | -0.57702 | 0.03724 |
| OS03G0139100 | 788.44713 | 1171.34618 | -0.57108 | 0.0089 |
| OS03G0139200 | 250.03782 | 370.3774 | -0.56685 | 0.03105 |
| OS03G0140200 | 91.30947 | 34.45474 | 1.4061 | 4.43E-05 |
| OS03G0141100 | 11.81749 | 1.64713 | 2.8429 | 0.01268 |
| OS03G0141200 | 13334.25189 | 6468.3141 | 1.0437 | 0.0132 |
| OS03G0142800 | 913.05607 | 569.96982 | 0.67982 | 0.00203 |
| OS03G0142900 | 1045.15849 | 1640.61618 | -0.65052 | 0.00246 |
| OS03G0143851 | 103.78116 | 61.51531 | 0.75453 | 0.04071 |
| OS03G0144150 | 13.58304 | 34.55824 | -1.3472 | 0.02319 |
| OS03G0144200 | 16.23696 | 53.0058 | -1.7069 | 0.00017 |
| OS03G0145600 | 34.84845 | 14.40821 | 1.2742 | 0.01973 |
| OS03G0145800 | 157.94772 | 285.6732 | -0.85492 | 0.00098 |
| OS03G0145900 | 14.49031 | 62.27278 | -2.1035 | 0.00294 |
| OS03G0146000 | 450.81232 | 185.89058 | 1.2781 | 6.32E-09 |

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|--------------|------------|------------|----------|----------|
| OS03G0146100 | 86.60547 | 24.69807 | 1.8101 | 0.02162 |
| OS03G0146200 | 23.86925 | 5.55342 | 2.1037 | 0.01205 |
| OS03G0146500 | 1670.51274 | 1080.23555 | 0.62895 | 0.0031 |
| OS03G0147400 | 1183.31873 | 786.41343 | 0.58948 | 0.00886 |
| OS03G0148700 | 204.93821 | 355.02276 | -0.79272 | 0.03861 |
| OS03G0150600 | 2058.66166 | 3936.44156 | -0.93519 | 1.64E-06 |
| OS03G0151700 | 44.97312 | 134.68233 | -1.5824 | 2.06E-07 |
| OS03G0151900 | 545.99744 | 323.86181 | 0.75352 | 0.00129 |
| OS03G0152600 | 1395.07585 | 770.77909 | 0.85595 | 3.12E-05 |
| OS03G0153100 | 346.14186 | 47.83776 | 2.8551 | 0.00391 |
| OS03G0154000 | 133.40445 | 35.62361 | 1.9049 | 3.21E-05 |
| OS03G0157300 | 52.38238 | 143.38009 | -1.4527 | 8.99E-07 |
| OS03G0157400 | 2877.57906 | 1790.65027 | 0.68437 | 0.00082 |
| OS03G0157900 | 294.12969 | 510.31368 | -0.79493 | 0.00062 |
| OS03G0159800 | 114.49719 | 177.15785 | -0.62972 | 0.03891 |
| OS03G0161500 | 433.04515 | 650.5436 | -0.58713 | 0.01395 |
| OS03G0161800 | 1021.64408 | 649.0083 | 0.65458 | 0.0029 |
| OS03G0161900 | 1495.11659 | 652.78767 | 1.1956 | 4.07E-08 |
| OS03G0163500 | 29.88258 | 63.55619 | -1.0887 | 0.01057 |
| OS03G0164200 | 5.77405 | 18.46979 | -1.6775 | 0.04657 |
| OS03G0164300 | 58.33199 | 118.25751 | -1.0196 | 0.01361 |
| OS03G0169100 | 5842.87344 | 3858.53114 | 0.59863 | 0.00567 |
| OS03G0169600 | 528.92438 | 343.19746 | 0.62402 | 0.00778 |
| OS03G0169900 | 364.72192 | 658.28089 | -0.85191 | 0.00011 |
| OS03G0170500 | 1894.20324 | 1093.61923 | 0.79248 | 0.00286 |
| OS03G0171600 | 1640.47311 | 1140.12398 | 0.52492 | 0.01956 |
| OS03G0171900 | 87.22094 | 149.99621 | -0.78218 | 0.00926 |

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|--------------|------------|------------|----------|----------|
| OS03G0172000 | 126.20183 | 243.90946 | -0.95061 | 0.00113 |
| OS03G0173500 | 99.80636 | 234.90749 | -1.2349 | 1.52E-06 |
| OS03G0174800 | 496.42668 | 302.37021 | 0.71526 | 0.00191 |
| OS03G0174900 | 84.50049 | 205.75463 | -1.2839 | 1.35E-06 |
| OS03G0176700 | 2183.3593 | 1438.76302 | 0.60172 | 0.00546 |
| OS03G0176900 | 62.60219 | 31.97399 | 0.96931 | 0.02547 |
| OS03G0177500 | 1366.39279 | 1917.35887 | -0.48875 | 0.03285 |
| OS03G0177900 | 1923.55173 | 2900.53145 | -0.59254 | 0.00467 |
| OS03G0178000 | 1561.13147 | 2232.04167 | -0.51577 | 0.0257 |
| OS03G0178066 | 197.57902 | 127.21218 | 0.63519 | 0.03015 |
| OS03G0178100 | 1893.08048 | 1039.93519 | 0.86424 | 1.60E-05 |
| OS03G0178400 | 1327.74749 | 645.17407 | 1.0412 | 1.82E-07 |
| OS03G0178500 | 111.4522 | 37.54427 | 1.5698 | 1.58E-06 |
| OS03G0179900 | 1568.75341 | 964.98729 | 0.70104 | 0.00087 |
| OS03G0180100 | 458.37574 | 305.42782 | 0.5857 | 0.01773 |
| OS03G0180300 | 5105.37938 | 2920.27617 | 0.80591 | 4.33E-05 |
| OS03G0182400 | 3290.3523 | 2284.74376 | 0.52621 | 0.01922 |
| OS03G0182700 | 167.52735 | 291.87515 | -0.80095 | 0.00158 |
| OS03G0182800 | 116.34564 | 311.74653 | -1.422 | 6.47E-08 |
| OS03G0183000 | 20.15907 | 129.7128 | -2.6858 | 1.24E-15 |
| OS03G0183100 | 250.85109 | 553.29527 | -1.1412 | 1.81E-07 |
| OS03G0183200 | 1499.07395 | 3922.26285 | -1.3876 | 0.00091 |
| OS03G0183300 | 4622.31468 | 2393.02049 | 0.94978 | 1.81E-05 |
| OS03G0184000 | 970.78533 | 526.80228 | 0.88189 | 2.84E-05 |
| OS03G0185300 | 105.37234 | 191.04152 | -0.85839 | 0.00311 |
| OS03G0185600 | 36.95101 | 72.74024 | -0.97714 | 0.02127 |
| OS03G0187400 | 130.66897 | 65.84294 | 0.98882 | 0.00151 |

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| OS03G0187525 | 310.95088 | 172.91463 | 0.84663 | 0.00058 |
| OS03G0188100 | 199.30114 | 3.9893 | 5.6427 | 0.03898 |
| OS03G0189300 | 8.77883 | 41.20218 | -2.2306 | 4.57E-05 |
| OS03G0189400 | 847.70041 | 2540.47771 | -1.5835 | 9.28E-11 |
| OS03G0189600 | 2198.38533 | 1076.07729 | 1.0307 | 1.01E-07 |
| OS03G0191200 | 441.2288 | 264.22515 | 0.73976 | 0.00195 |
| OS03G0191400 | 80.56462 | 128.837 | -0.67733 | 0.04492 |
| OS03G0192500 | 5556.92917 | 3880.61642 | 0.518 | 0.01698 |
| OS03G0192700 | 8206.80925 | 2453.97534 | 1.7417 | 2.04E-21 |
| OS03G0194900 | 411.95908 | 1143.07364 | -1.4723 | 3.78E-06 |
| OS03G0195100 | 22.50469 | 5.57739 | 2.0126 | 0.00612 |
| OS03G0195475 | 456.41074 | 189.54155 | 1.2678 | 8.71E-09 |
| OS03G0196600 | 299.05627 | 76.07912 | 1.9748 | 0.0164 |
| OS03G0196900 | 325.0477 | 142.26252 | 1.1921 | 4.17E-07 |
| OS03G0197000 | 2717.08922 | 1172.36119 | 1.2126 | 2.19E-10 |
| OS03G0197050 | 137.98789 | 58.84805 | 1.2295 | 3.63E-05 |
| OS03G0197800 | 105.6418 | 179.58411 | -0.76548 | 0.01315 |
| OS03G0197900 | 0 | 7.6349 | | 0.00776 |
| OS03G0198300 | 6193.60162 | 4502.08643 | 0.46018 | 0.03926 |
| OS03G0200200 | 18.98858 | 62.16731 | -1.711 | 0.00618 |
| OS03G0200700 | 89.29458 | 142.99509 | -0.67932 | 0.03885 |
| OS03G0202001 | 236.55852 | 64.29812 | 1.8793 | 0.00451 |
| OS03G0202500 | 51.19325 | 88.31867 | -0.78676 | 0.03995 |
| OS03G0203000 | 32.84982 | 66.47862 | -1.017 | 0.01586 |
| OS03G0203200 | 12766.43881 | 9283.80556 | 0.45957 | 0.03023 |
| OS03G0205500 | 62.68616 | 105.08417 | -0.74533 | 0.04587 |
| OS03G0206150 | 9.87023 | 1.45487 | 2.7622 | 0.03316 |

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|--------------|-------------|------------|----------|----------|
| OS03G0206300 | 214.4602 | 112.91535 | 0.92547 | 0.00072 |
| OS03G0207250 | 31.48526 | 65.45999 | -1.0559 | 0.01442 |
| OS03G0207400 | 163.63155 | 250.96693 | -0.61705 | 0.03863 |
| OS03G0208500 | 555.64328 | 780.16818 | -0.48963 | 0.043 |
| OS03G0211700 | 108.63779 | 53.96017 | 1.0096 | 0.00251 |
| OS03G0212400 | 13.94637 | 33.41585 | -1.2606 | 0.03489 |
| OS03G0213100 | 13.68327 | 33.94448 | -1.3108 | 0.03418 |
| OS03G0215000 | 133.42178 | 228.73525 | -0.77768 | 0.00404 |
| OS03G0216700 | 31.8224 | 11.20286 | 1.5062 | 0.00938 |
| OS03G0218400 | 15199.10848 | 5828.86111 | 1.3827 | 0.01669 |
| OS03G0219300 | 1423.74851 | 520.51431 | 1.4517 | 9.61E-12 |
| OS03G0219400 | 259.04853 | 117.00777 | 1.1466 | 2.82E-06 |
| OS03G0219500 | 271.27326 | 171.97523 | 0.65755 | 0.01327 |
| OS03G0219700 | 75.08877 | 134.89461 | -0.84516 | 0.00822 |
| OS03G0220700 | 569.21412 | 896.0655 | -0.65463 | 0.00359 |
| OS03G0223100 | 655.6459 | 144.12501 | 2.1856 | 0.00106 |
| OS03G0223301 | 663.0497 | 1059.98342 | -0.67685 | 0.00191 |
| OS03G0225500 | 37.43479 | 108.11782 | -1.5302 | 2.65E-06 |
| OS03G0225900 | 56.94944 | 454.36467 | -2.9961 | 2.85E-15 |
| OS03G0226300 | 379.3275 | 142.19094 | 1.4156 | 0.03802 |
| OS03G0227700 | 128.54481 | 36.17983 | 1.829 | 0.00955 |
| OS03G0227900 | 116.10853 | 57.82595 | 1.0057 | 0.00193 |
| OS03G0228200 | 16035.0143 | 5342.38924 | 1.5857 | 2.38E-16 |
| OS03G0228400 | 328.11278 | 218.60202 | 0.58589 | 0.02972 |
| OS03G0229500 | 919.14816 | 571.86957 | 0.68461 | 0.00153 |
| OS03G0230500 | 5078.67388 | 2045.66961 | 1.3119 | 2.70E-12 |
| OS03G0231000 | 235.43875 | 97.92785 | 1.2656 | 5.76E-07 |

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| OS03G0231150 | 468.33153 | 207.69076 | 1.1731 | 1.09E-07 |
| OS03G0231400 | 232.79848 | 154.42072 | 0.59222 | 0.0351 |
| OS03G0231600 | 52.37228 | 18.54026 | 1.4981 | 0.00195 |
| OS03G0231800 | 381.84931 | 204.70577 | 0.89945 | 0.02399 |
| OS03G0232400 | 1122.85174 | 262.56751 | 2.0964 | 0.0046 |
| OS03G0232800 | 121.45893 | 45.58609 | 1.4138 | 6.82E-05 |
| OS03G0234500 | 0.74556 | 33.54181 | -5.4915 | 1.15E-08 |
| OS03G0235000 | 2.23667 | 88.3975 | -5.3046 | 6.15E-20 |
| OS03G0237100 | 11.57065 | 28.9423 | -1.3227 | 0.04904 |
| OS03G0238000 | 65.12951 | 114.2955 | -0.81139 | 0.02105 |
| OS03G0238600 | 631.98698 | 219.08256 | 1.5284 | 3.07E-13 |
| OS03G0240500 | 102.82498 | 202.17973 | -0.97545 | 0.00038 |
| OS03G0240800 | 158.43783 | 237.28489 | -0.5827 | 0.04041 |
| OS03G0241200 | 144.17814 | 344.87332 | -1.2582 | 8.07E-08 |
| OS03G0241600 | 1504.68051 | 874.98468 | 0.78213 | 0.00013 |
| OS03G0242200 | 66.92138 | 33.67866 | 0.99063 | 0.02131 |
| OS03G0243100 | 163.08268 | 345.52894 | -1.0832 | 0.00012 |
| OS03G0243350 | 9.32892 | 25.69218 | -1.4615 | 0.04591 |
| OS03G0243600 | 787.81053 | 441.55855 | 0.83524 | 0.0001 |
| OS03G0244700 | 18.54755 | 63.04192 | -1.7651 | 3.70E-05 |
| OS03G0245100 | 54.81448 | 94.74645 | -0.78951 | 0.03283 |
| OS03G0247100 | 416.6429 | 286.76042 | 0.53897 | 0.02957 |
| OS03G0249200 | 710.27001 | 440.23877 | 0.69008 | 0.0033 |
| OS03G0249300 | 79.69013 | 148.51927 | -0.89818 | 0.00314 |
| OS03G0249700 | 2891.74724 | 1421.9139 | 1.0241 | 8.96E-07 |
| OS03G0251350 | 2629.86167 | 1480.50564 | 0.8289 | 0.04045 |
| OS03G0252100 | 1098.83996 | 595.04403 | 0.88491 | 1.62E-05 |

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| OS03G0253600 | 30.12691 | 80.23255 | -1.4131 | 0.00017 |
| OS03G0254200 | 3678.58971 | 2216.906 | 0.73061 | 0.01267 |
| OS03G0254250 | 720.70408 | 462.71191 | 0.63929 | 0.01908 |
| OS03G0254900 | 1947.29548 | 1349.37528 | 0.52918 | 0.01472 |
| OS03G0255100 | 236.49059 | 53.83649 | 2.1351 | 0.02398 |
| OS03G0255500 | 8323.53667 | 22102.11686 | -1.4089 | 9.54E-15 |
| OS03G0255900 | 77.38297 | 182.45868 | -1.2375 | 1.19E-05 |
| OS03G0257900 | 8.60718 | 36.09249 | -2.0681 | 0.00032 |
| OS03G0258200 | 530.70945 | 112.05117 | 2.2438 | 1.90E-08 |
| OS03G0261100 | 54.71059 | 17.89875 | 1.612 | 0.00037 |
| OS03G0261900 | 86.98522 | 140.04333 | -0.68703 | 0.03961 |
| OS03G0263800 | 1032.47533 | 734.4353 | 0.4914 | 0.03759 |
| OS03G0263900 | 2632.17854 | 1339.63675 | 0.97442 | 4.80E-07 |
| OS03G0264400 | 253.44833 | 373.31 | -0.55868 | 0.04969 |
| OS03G0265100 | 449.63589 | 276.28505 | 0.7026 | 0.00341 |
| OS03G0266300 | 16.00384 | 53.66016 | -1.7454 | 0.00064 |
| OS03G0266800 | 120.8764 | 55.55189 | 1.1216 | 0.0026 |
| OS03G0267300 | 14062.93667 | 10303.5314 | 0.44876 | 0.04053 |
| OS03G0267700 | 24.90435 | 60.33193 | -1.2765 | 0.00242 |
| OS03G0268600 | 71.43617 | 22.3373 | 1.6772 | 1.27E-05 |
| OS03G0269601 | 20.91456 | 1.78398 | 3.5513 | 1.63E-05 |
| OS03G0269700 | 26.85398 | 6.6255 | 2.019 | 0.00157 |
| OS03G0269900 | 1050.12915 | 524.60818 | 1.0013 | 7.78E-07 |
| OS03G0271200 | 78.55856 | 177.72217 | -1.1778 | 2.12E-05 |
| OS03G0271400 | 16.91867 | 37.40325 | -1.1445 | 0.03619 |
| OS03G0272400 | 180.24693 | 84.41678 | 1.0944 | 9.65E-05 |
| OS03G0272900 | 614.10465 | 327.8334 | 0.90552 | 7.06E-05 |

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| OS03G0273800 | 11220.23813 | 4151.73926 | 1.4343 | 2.92E-15 |
| OS03G0274000 | 2075.21011 | 1351.29523 | 0.61891 | 0.00292 |
| OS03G0274300 | 7457.01217 | 4253.36968 | 0.80999 | 3.60E-05 |
| OS03G0277100 | 2261.57814 | 1322.7725 | 0.77376 | 0.00014 |
| OS03G0278900 | 15452.65323 | 10181.69573 | 0.60188 | 0.00541 |
| OS03G0279200 | 39.81059 | 78.70547 | -0.98331 | 0.01381 |
| OS03G0279600 | 15.91872 | 53.48847 | -1.7485 | 9.40E-05 |
| OS03G0279950 | 400.13644 | 207.34365 | 0.94847 | 5.77E-05 |
| OS03G0280400 | 37.36338 | 13.60967 | 1.457 | 0.00978 |
| OS03G0281000 | 3936.94341 | 2291.2378 | 0.78095 | 5.88E-05 |
| OS03G0284400 | 1346.35781 | 961.90046 | 0.4851 | 0.03689 |
| OS03G0284500 | 661.04275 | 426.7245 | 0.63144 | 0.0143 |
| OS03G0284600 | 2849.22296 | 1885.82216 | 0.59537 | 0.00436 |
| OS03G0285100 | 74.26807 | 31.66174 | 1.23 | 0.00193 |
| OS03G0285200 | 39.19274 | 11.31559 | 1.7923 | 0.00057 |
| OS03G0285300 | 57.54865 | 30.19001 | 0.93071 | 0.04634 |
| OS03G0285800 | 164.78052 | 314.07877 | -0.93058 | 0.00024 |
| OS03G0286900 | 15.17817 | 1.80432 | 3.0725 | 0.0046 |
| OS03G0287100 | 987.26203 | 405.15386 | 1.285 | 1.28E-08 |
| OS03G0288300 | 844.27501 | 542.80319 | 0.63728 | 0.00503 |
| OS03G0288400 | 64.97918 | 129.42783 | -0.9941 | 0.01699 |
| OS03G0288800 | 56.20914 | 98.23156 | -0.80538 | 0.02615 |
| OS03G0289800 | 52.60025 | 4.81945 | 3.4481 | 0.02437 |
| OS03G0290300 | 6279.06224 | 3314.73085 | 0.92166 | 1.47E-06 |
| OS03G0291500 | 3.05742 | 69.7887 | -4.5126 | 0.00469 |
| OS03G0292100 | 1883.21031 | 1346.17296 | 0.48433 | 0.03083 |
| OS03G0292200 | 1445.58626 | 808.26742 | 0.83875 | 2.88E-05 |

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| OS03G0292700 | 208.88403 | 89.74066 | 1.2189 | 2.19E-06 |
| OS03G0294700 | 45.41669 | 79.82768 | -0.81367 | 0.03915 |
| OS03G0294800 | 419.82039 | 278.88081 | 0.59012 | 0.0186 |
| OS03G0295800 | 2394.46081 | 1538.60855 | 0.63807 | 0.00215 |
| OS03G0297600 | 326.35923 | 1625.84115 | -2.3167 | 2.42E-32 |
| OS03G0298300 | 759.27172 | 324.01012 | 1.2286 | 2.65E-09 |
| OS03G0298700 | 94.44841 | 46.09619 | 1.0349 | 0.00423 |
| OS03G0305000 | 1069.97825 | 641.46319 | 0.73814 | 0.00043 |
| OS03G0305200 | 36.36716 | 113.84429 | -1.6464 | 8.16E-07 |
| OS03G0305600 | 112.19526 | 31.24592 | 1.8443 | 1.24E-08 |
| OS03G0306900 | 124.76976 | 51.50316 | 1.2765 | 4.25E-05 |
| OS03G0307100 | 916.38938 | 561.729 | 0.70609 | 0.00119 |
| OS03G0308800 | 8742.50321 | 5482.1588 | 0.6733 | 0.00079 |
| OS03G0310600 | 17.09031 | 56.79566 | -1.7326 | 0.00013 |
| OS03G0310701 | 80.27898 | 27.20089 | 1.5614 | 2.09E-05 |
| OS03G0310800 | 4121.06587 | 1937.47443 | 1.0888 | 3.57E-06 |
| OS03G0311300 | 5859.04594 | 3155.18826 | 0.89294 | 4.42E-06 |
| OS03G0313600 | 78.01586 | 208.81461 | -1.4204 | 1.04E-07 |
| OS03G0313800 | 520.05093 | 223.08322 | 1.2211 | 0.0092 |
| OS03G0314700 | 874.97339 | 590.51422 | 0.56727 | 0.01252 |
| OS03G0314800 | 241.44205 | 161.05142 | 0.58416 | 0.03543 |
| OS03G0316200 | 179.76357 | 101.83186 | 0.81991 | 0.02694 |
| OS03G0317300 | 25.314 | 69.65858 | -1.4604 | 0.00035 |
| OS03G0319100 | 1114.7028 | 781.92901 | 0.51155 | 0.02707 |
| OS03G0319400 | 7303.35163 | 3092.93158 | 1.2396 | 0.00522 |
| OS03G0320000 | 135.10352 | 76.35983 | 0.82318 | 0.00927 |
| OS03G0320100 | 28.06316 | 122.22987 | -2.1228 | 5.47E-11 |

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| OS03G0321300 | 205.96804 | 343.33299 | -0.73719 | 0.02439 |
| OS03G0323100 | 90.18419 | 159.87877 | -0.82603 | 0.00845 |
| OS03G0323500 | 213.25489 | 334.68468 | -0.65022 | 0.01649 |
| OS03G0323800 | 127.55505 | 205.53525 | -0.68827 | 0.01576 |
| OS03G0324300 | 998.00255 | 1521.83244 | -0.60869 | 0.00656 |
| OS03G0324600 | 6.16749 | 27.73511 | -2.169 | 0.00137 |
| OS03G0326500 | 2456.9198 | 1462.86077 | 0.74806 | 0.00023 |
| OS03G0327600 | 137.53939 | 36.83253 | 1.9008 | 4.09E-07 |
| OS03G0329700 | 713.49253 | 1056.55579 | -0.5664 | 0.01432 |
| OS03G0330300 | 557.7019 | 328.69669 | 0.76274 | 0.0011 |
| OS03G0332100 | 195.33747 | 48.01111 | 2.0245 | 1.40E-13 |
| OS03G0333100 | 50.59679 | 90.60723 | -0.84058 | 0.02322 |
| OS03G0337500 | 2884.96452 | 1765.06286 | 0.70883 | 0.00069 |
| OS03G0341000 | 2.41337 | 14.33978 | -2.5709 | 0.01187 |
| OS03G0341300 | 418.54332 | 152.44627 | 1.4571 | 0.0147 |
| OS03G0343300 | 36.4711 | 90.6699 | -1.3139 | 0.0002 |
| OS03G0343400 | 444.5377 | 212.2983 | 1.0662 | 0.00746 |
| OS03G0343500 | 248.88376 | 406.00374 | -0.70602 | 0.00318 |
| OS03G0344400 | 0.77188 | 13.8389 | -4.1642 | 0.00088 |
| OS03G0345901 | 441.27788 | 712.6978 | -0.6916 | 0.00246 |
| OS03G0347200 | 96.40815 | 161.80337 | -0.74701 | 0.01336 |
| OS03G0348200 | 9025.21703 | 2019.14137 | 2.1602 | 3.32E-25 |
| OS03G0351300 | 7083.69483 | 3738.78557 | 0.92193 | 8.77E-07 |
| OS03G0351500 | 2261.56632 | 1222.53805 | 0.88744 | 8.87E-06 |
| OS03G0352300 | 67.71836 | 129.44918 | -0.93477 | 0.00282 |
| OS03G0353500 | 135.77266 | 218.47164 | -0.68625 | 0.01552 |
| OS03G0355900 | 782.37601 | 492.80511 | 0.66684 | 0.00358 |

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|--------------|------------|------------|----------|----------|
| OS03G0360700 | 509.82713 | 321.39376 | 0.66567 | 0.00566 |
| OS03G0360800 | 42.19641 | 14.10322 | 1.5811 | 0.00166 |
| OS03G0363100 | 0 | 25.51505 | | 2.19E-09 |
| OS03G0363200 | 20.96848 | 66.98881 | -1.6757 | 5.54E-05 |
| OS03G0363400 | 35.83456 | 100.02974 | -1.481 | 2.41E-05 |
| OS03G0363700 | 26.0534 | 73.25382 | -1.4914 | 0.00014 |
| OS03G0364700 | 644.77691 | 199.74275 | 1.6907 | 0.00161 |
| OS03G0365000 | 25.15114 | 0 | | 5.72E-06 |
| OS03G0365200 | 32.6983 | 1.55474 | 4.3945 | 0.00027 |
| OS03G0367101 | 30.40007 | 91.65187 | -1.5921 | 7.46E-06 |
| OS03G0367150 | 19.31943 | 59.2399 | -1.6165 | 0.00018 |
| OS03G0371300 | 24.52335 | 5.485 | 2.1606 | 0.002 |
| OS03G0371350 | 22.53857 | 6.2688 | 1.8461 | 0.01358 |
| OS03G0371400 | 29.53058 | 8.49824 | 1.797 | 0.0036 |
| OS03G0375200 | 2358.60703 | 1239.45614 | 0.92823 | 1.78E-06 |
| OS03G0377700 | 61.21759 | 24.10252 | 1.3448 | 0.001 |
| OS03G0381100 | 7.46064 | 25.12288 | -1.7516 | 0.01169 |
| OS03G0382100 | 8.88412 | 182.34093 | -4.3593 | 1.22E-12 |
| OS03G0385400 | 1020.28632 | 490.45397 | 1.0568 | 1.74E-07 |
| OS03G0386500 | 207.00555 | 106.29506 | 0.96159 | 0.00038 |
| OS03G0387000 | 119.76746 | 197.34365 | -0.72047 | 0.01087 |
| OS03G0388900 | 3310.27296 | 2017.34062 | 0.7145 | 0.00106 |
| OS03G0389100 | 1010.55392 | 288.99401 | 1.806 | 1.20E-19 |
| OS03G0389501 | 102.27246 | 42.33385 | 1.2725 | 0.00012 |
| OS03G0390000 | 436.65663 | 655.13571 | -0.58529 | 0.01126 |
| OS03G0390200 | 744.91854 | 486.79173 | 0.61378 | 0.00731 |
| OS03G0393700 | 51.03404 | 140.39239 | -1.4599 | 1.47E-06 |

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|--------------|------------|------------|----------|----------|
| OS03G0395300 | 171.58332 | 295.90567 | -0.78623 | 0.00201 |
| OS03G0397400 | 83.69846 | 140.67341 | -0.74908 | 0.02267 |
| OS03G0400800 | 15.49141 | 72.45338 | -2.2256 | 3.32E-08 |
| OS03G0401100 | 8136.60994 | 2568.05082 | 1.6638 | 3.05E-10 |
| OS03G0402000 | 39.70284 | 88.92729 | -1.1634 | 0.00141 |
| OS03G0405100 | 320.70729 | 215.90086 | 0.57089 | 0.03591 |
| OS03G0405500 | 278.62794 | 59.24125 | 2.2337 | 1.15E-05 |
| OS03G0405900 | 57.82936 | 27.65021 | 1.0645 | 0.02015 |
| OS03G0406200 | 126.11548 | 201.86521 | -0.67865 | 0.01493 |
| OS03G0411600 | 40.9157 | 97.27876 | -1.2495 | 0.00041 |
| OS03G0411800 | 638.44744 | 1756.36323 | -1.46 | 3.55E-14 |
| OS03G0411900 | 80.07596 | 151.22697 | -0.91727 | 0.00338 |
| OS03G0412400 | 111.81566 | 234.61563 | -1.0692 | 0.00072 |
| OS03G0413100 | 298.88028 | 161.19834 | 0.89073 | 0.00043 |
| OS03G0417700 | 39.61512 | 7.71791 | 2.3598 | 0.00833 |
| OS03G0418700 | 57.45482 | 107.02541 | -0.89745 | 0.0076 |
| OS03G0421000 | 1.91465 | 54.32791 | -4.8265 | 5.26E-08 |
| OS03G0424000 | 48.64949 | 85.52898 | -0.81399 | 0.04055 |
| OS03G0425100 | 41.2666 | 77.12329 | -0.90219 | 0.02285 |
| OS03G0426900 | 1706.91852 | 1136.66351 | 0.58659 | 0.00724 |
| OS03G0428000 | 20.44344 | 52.38282 | -1.3575 | 0.00389 |
| OS03G0431100 | 799.4898 | 1208.88257 | -0.59652 | 0.00682 |
| OS03G0431600 | 4.39944 | 138.40287 | -4.9754 | 2.31E-07 |
| OS03G0432000 | 99.55953 | 42.58531 | 1.2252 | 0.00031 |
| OS03G0432100 | 14.27595 | 119.83286 | -3.0694 | 1.67E-05 |
| OS03G0438100 | 1029.93877 | 575.66683 | 0.83925 | 0.01085 |
| OS03G0438400 | 43.58351 | 76.5908 | -0.81339 | 0.04075 |

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|--------------|-------------|-------------|----------|----------|
| OS03G0439000 | 13.40634 | 2.88751 | 2.215 | 0.02571 |
| OS03G0439700 | 11441.05958 | 7543.19695 | 0.60097 | 0.00316 |
| OS03G0441000 | 319.67083 | 212.73314 | 0.58754 | 0.02832 |
| OS03G0448600 | 56.05876 | 134.63976 | -1.2641 | 4.16E-05 |
| OS03G0452300 | 1156.58133 | 780.2501 | 0.56786 | 0.00886 |
| OS03G0556600 | 12.43899 | 44.66127 | -1.8442 | 0.00037 |
| OS03G0559700 | 583.7907 | 300.89231 | 0.9562 | 1.22E-05 |
| OS03G0563100 | 46.99794 | 18.56809 | 1.3398 | 0.03082 |
| OS03G0565300 | 772.5252 | 439.83502 | 0.81262 | 0.00082 |
| OS03G0565500 | 391.46057 | 564.04794 | -0.52695 | 0.03079 |
| OS03G0565600 | 208.477 | 342.12485 | -0.71463 | 0.0054 |
| OS03G0568500 | 159.81227 | 248.71641 | -0.63812 | 0.0219 |
| OS03G0569900 | 35.93229 | 90.25399 | -1.3287 | 0.00024 |
| OS03G0571800 | 17.11536 | 3.62337 | 2.2399 | 0.00901 |
| OS03G0574600 | 296.66182 | 109.73066 | 1.4349 | 0.03361 |
| OS03G0574900 | 6247.36014 | 2807.5575 | 1.1539 | 1.16E-05 |
| OS03G0578500 | 25.42684 | 6.14496 | 2.0489 | 0.00251 |
| OS03G0579000 | 1891.9351 | 1346.50049 | 0.49065 | 0.02388 |
| OS03G0581200 | 32.62426 | 65.62119 | -1.0082 | 0.01914 |
| OS03G0583800 | 36319.91305 | 20644.71456 | 0.81499 | 1.82E-05 |
| OS03G0586300 | 71.98125 | 126.07121 | -0.80855 | 0.01312 |
| OS03G0586700 | 439.6152 | 209.18865 | 1.0714 | 2.08E-06 |
| OS03G0586800 | 148.10123 | 234.41464 | -0.66248 | 0.01696 |
| OS03G0594900 | 26.22883 | 8.45204 | 1.6338 | 0.02516 |
| OS03G0598200 | 92.51504 | 185.65474 | -1.0049 | 0.00023 |
| OS03G0602300 | 179.91234 | 89.52307 | 1.007 | 0.00882 |
| OS03G0603800 | 242.20748 | 138.2968 | 0.80848 | 0.00184 |

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|--------------|------------|------------|----------|----------|
| OS03G0605300 | 3688.73895 | 1787.20765 | 1.0454 | 4.04E-05 |
| OS03G0607400 | 340.04199 | 117.81268 | 1.5292 | 4.72E-06 |
| OS03G0607500 | 5367.56758 | 3329.72509 | 0.68887 | 0.00059 |
| OS03G0608200 | 27.56456 | 53.8153 | -0.9652 | 0.03617 |
| OS03G0609500 | 112.6789 | 39.51666 | 1.5117 | 3.44E-06 |
| OS03G0609800 | 182.64638 | 485.52534 | -1.4105 | 8.72E-10 |
| OS03G0610400 | 24.59226 | 138.24492 | -2.491 | 8.53E-15 |
| OS03G0610800 | 428.76662 | 185.79765 | 1.2065 | 1.23E-05 |
| OS03G0616400 | 17.04395 | 43.60552 | -1.3553 | 0.00944 |
| OS03G0617900 | 88.12932 | 166.52475 | -0.91804 | 0.00123 |
| OS03G0625300 | 40.89571 | 13.1199 | 1.6402 | 0.00172 |
| OS03G0625900 | 8.48313 | 24.93258 | -1.5554 | 0.02636 |
| OS03G0626700 | 159.1647 | 18.82113 | 3.0801 | 2.10E-10 |
| OS03G0628800 | 482.83883 | 241.18784 | 1.0014 | 1.28E-05 |
| OS03G0633100 | 524.79369 | 342.52286 | 0.61555 | 0.00999 |
| OS03G0633400 | 518.21277 | 353.60935 | 0.55139 | 0.02955 |
| OS03G0633900 | 18.6303 | 47.11042 | -1.3384 | 0.00642 |
| OS03G0637900 | 39.90696 | 11.92572 | 1.7426 | 0.02018 |
| OS03G0639300 | 227.28625 | 152.16021 | 0.57892 | 0.04371 |
| OS03G0643000 | 0.79442 | 11.29509 | -3.8296 | 0.00529 |
| OS03G0645900 | 42.95696 | 7.51106 | 2.5158 | 1.21E-06 |
| OS03G0648600 | 1.49112 | 11.0087 | -2.8842 | 0.02753 |
| OS03G0649000 | 331.47382 | 149.78349 | 1.146 | 0.04756 |
| OS03G0650000 | 117.50689 | 53.60443 | 1.1323 | 0.00885 |
| OS03G0650200 | 622.41402 | 100.97057 | 2.6239 | 1.35E-14 |
| OS03G0655400 | 8879.13304 | 2955.65742 | 1.5869 | 2.55E-17 |
| OS03G0656201 | 9.07581 | 36.84506 | -2.0214 | 0.00027 |

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| OS03G0656500 | 1141.78777 | 817.28491 | 0.48238 | 0.0343 |
| OS03G0657100 | 253.90461 | 399.13312 | -0.65258 | 0.01063 |
| OS03G0660000 | 68.26615 | 185.60618 | -1.443 | 8.99E-05 |
| OS03G0660050 | 116.41064 | 256.01025 | -1.137 | 9.60E-06 |
| OS03G0660500 | 1.44225 | 15.55272 | -3.4308 | 0.00175 |
| OS03G0663400 | 55.23296 | 15.51749 | 1.8316 | 3.55E-05 |
| OS03G0663700 | 76.88692 | 44.49645 | 0.78905 | 0.04925 |
| OS03G0664700 | 178.94137 | 296.35824 | -0.72786 | 0.00688 |
| OS03G0664800 | 88.98135 | 466.63465 | -2.3907 | 6.01E-25 |
| OS03G0665200 | 305.34896 | 99.11153 | 1.6233 | 0.00916 |
| OS03G0667100 | 213.28985 | 35.55669 | 2.5846 | 2.11E-05 |
| OS03G0668500 | 663.40266 | 326.15486 | 1.0243 | 1.48E-06 |
| OS03G0669200 | 273.16033 | 392.11734 | -0.52154 | 0.04605 |
| OS03G0678100 | 89.92369 | 51.80278 | 0.79567 | 0.0444 |
| OS03G0682100 | 1353.22329 | 607.28368 | 1.156 | 0.00834 |
| OS03G0684400 | 8556.21883 | 4269.40936 | 1.0029 | 1.11E-07 |
| OS03G0684700 | 100.26615 | 21.79354 | 2.2019 | 1.91E-10 |
| OS03G0685300 | 1527.82109 | 715.95172 | 1.0935 | 1.68E-08 |
| OS03G0685500 | 913.08198 | 657.50403 | 0.47374 | 0.04633 |
| OS03G0686300 | 1456.48141 | 959.99179 | 0.60139 | 0.00598 |
| OS03G0689688 | 23.49458 | 78.61822 | -1.7425 | 0.00024 |
| OS03G0689866 | 6.5948 | 20.72493 | -1.652 | 0.03609 |
| OS03G0691400 | 512.65892 | 289.15627 | 0.82615 | 0.00018 |
| OS03G0691800 | 57.93838 | 114.1771 | -0.97868 | 0.00396 |
| OS03G0693000 | 761.80896 | 488.05372 | 0.64239 | 0.00362 |
| OS03G0694900 | 338.17219 | 504.72028 | -0.57773 | 0.01689 |
| OS03G0698350 | 167.97971 | 106.02878 | 0.66383 | 0.03238 |

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|--------------|------------|------------|----------|----------|
| OS03G0699300 | 116.04192 | 244.40031 | -1.0746 | 2.95E-05 |
| OS03G0699600 | 1112.70999 | 785.35794 | 0.50266 | 0.03168 |
| OS03G0701200 | 156.14446 | 29.91994 | 2.3837 | 1.81E-08 |
| OS03G0703200 | 1195.36073 | 2044.88086 | -0.77457 | 0.00012 |
| OS03G0703300 | 9947.52217 | 6495.58188 | 0.61488 | 0.00305 |
| OS03G0704100 | 3409.13007 | 2241.47745 | 0.60495 | 0.00413 |
| OS03G0705800 | 1330.95451 | 528.58696 | 1.3322 | 0.00014 |
| OS03G0707200 | 1897.91411 | 956.37811 | 0.98876 | 3.34E-07 |
| OS03G0707250 | 239.4472 | 130.72866 | 0.87313 | 0.00098 |
| OS03G0708500 | 1393.08406 | 877.52166 | 0.66678 | 0.00167 |
| OS03G0709000 | 32.06296 | 70.86947 | -1.1443 | 0.00452 |
| OS03G0709300 | 56.16282 | 21.53112 | 1.3832 | 0.00194 |
| OS03G0710000 | 729.30499 | 1485.68043 | -1.0265 | 2.26E-07 |
| OS03G0710700 | 227.79244 | 113.16878 | 1.0092 | 0.00414 |
| OS03G0711100 | 1895.79045 | 1319.16757 | 0.52317 | 0.01907 |
| OS03G0712400 | 243.24131 | 121.98274 | 0.99571 | 9.11E-05 |
| OS03G0712500 | 187.16871 | 85.93235 | 1.1231 | 2.53E-05 |
| OS03G0712700 | 2382.55866 | 1114.11626 | 1.0966 | 1.23E-08 |
| OS03G0716200 | 4.4784 | 17.37162 | -1.9557 | 0.02191 |
| OS03G0720800 | 42.94435 | 80.0123 | -0.89775 | 0.02628 |
| OS03G0721200 | 486.98914 | 848.55362 | -0.80112 | 0.00014 |
| OS03G0721300 | 114.60493 | 69.39025 | 0.72386 | 0.03621 |
| OS03G0721900 | 5.32042 | 19.44774 | -1.87 | 0.02428 |
| OS03G0722700 | 46.5457 | 126.16723 | -1.4386 | 4.65E-06 |
| OS03G0724100 | 258.33662 | 152.52046 | 0.76025 | 0.00532 |
| OS03G0725200 | 16.49123 | 120.19203 | -2.8656 | 0.00335 |
| OS03G0725300 | 42.51215 | 83.71221 | -0.97756 | 0.00731 |

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| OS03G0726500 | 8895.7058 | 2316.11817 | 1.9414 | 0.00896 |
| OS03G0728800 | 84.59822 | 141.4476 | -0.74157 | 0.0202 |
| OS03G0729000 | 600.29783 | 106.76512 | 2.4912 | 8.69E-18 |
| OS03G0729100 | 1343.63861 | 739.77997 | 0.86098 | 2.02E-05 |
| OS03G0729300 | 1030.61716 | 1547.34029 | -0.58628 | 0.01063 |
| OS03G0730000 | 2711.73689 | 1306.05982 | 1.054 | 2.94E-08 |
| OS03G0731100 | 282.30495 | 144.13337 | 0.96985 | 0.00012 |
| OS03G0731900 | 21871.9782 | 14034.47462 | 0.64011 | 0.00135 |
| OS03G0734300 | 72.56153 | 25.74602 | 1.4949 | 0.04269 |
| OS03G0735300 | 152.01955 | 235.84515 | -0.63358 | 0.02559 |
| OS03G0735400 | 48.55431 | 92.4389 | -0.9289 | 0.01199 |
| OS03G0736900 | 464.6928 | 1249.32295 | -1.4268 | 1.33E-11 |
| OS03G0737000 | 522.4011 | 1483.60867 | -1.5059 | 6.13E-07 |
| OS03G0737300 | 21.73531 | 68.73778 | -1.6611 | 5.44E-05 |
| OS03G0737600 | 41.09996 | 76.47997 | -0.89595 | 0.03103 |
| OS03G0738400 | 31890.93104 | 18803.30932 | 0.76216 | 9.37E-05 |
| OS03G0738600 | 13.35497 | 0 | | 1.19E-05 |
| OS03G0740833 | 83.00317 | 25.05674 | 1.728 | 0.00022 |
| OS03G0741000 | 211.79989 | 65.54023 | 1.6922 | 0.00489 |
| OS03G0741050 | 382.87352 | 128.73837 | 1.5724 | 0.00015 |
| OS03G0741100 | 559.98806 | 189.24844 | 1.5651 | 0.03246 |
| OS03G0743500 | 80.69746 | 181.01509 | -1.1655 | 3.40E-05 |
| OS03G0743900 | 458.08328 | 733.63347 | -0.67945 | 0.00284 |
| OS03G0744700 | 3041.96823 | 1637.34738 | 0.89364 | 0.00024 |
| OS03G0745400 | 2589.58451 | 1756.31928 | 0.56017 | 0.01034 |
| OS03G0746700 | 505.42004 | 219.57697 | 1.2028 | 2.76E-08 |
| OS03G0746800 | 27.21116 | 60.05666 | -1.1421 | 0.00846 |

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|--------------|-------------|------------|----------|----------|
| OS03G0747700 | 94.71906 | 235.5896 | -1.3145 | 2.92E-07 |
| OS03G0747900 | 202.71035 | 85.82854 | 1.2399 | 4.00E-06 |
| OS03G0748000 | 468.59797 | 766.44667 | -0.70983 | 0.00163 |
| OS03G0748600 | 18.47992 | 39.9637 | -1.1127 | 0.04711 |
| OS03G0748900 | 139.47515 | 277.60317 | -0.99302 | 8.47E-05 |
| OS03G0751600 | 947.66655 | 273.98016 | 1.7903 | 5.58E-07 |
| OS03G0756300 | 12.72463 | 125.60723 | -3.3032 | 8.68E-20 |
| OS03G0757000 | 100.03578 | 950.8578 | -3.2487 | 1.87E-51 |
| OS03G0757100 | 74.45856 | 169.76045 | -1.189 | 4.90E-05 |
| OS03G0757200 | 5323.20007 | 1291.92099 | 2.0428 | 1.61E-12 |
| OS03G0757900 | 12.28611 | 31.17198 | -1.3432 | 0.03211 |
| OS03G0759000 | 18.62652 | 75.48538 | -2.0188 | 3.34E-07 |
| OS03G0760100 | 109.86458 | 51.87634 | 1.0826 | 0.00074 |
| OS03G0760700 | 37.48981 | 116.96797 | -1.6415 | 0.00015 |
| OS03G0761200 | 1.98984 | 13.43215 | -2.755 | 0.01245 |
| OS03G0761500 | 42.66236 | 12.96272 | 1.7186 | 0.02122 |
| OS03G0764000 | 251.68185 | 1231.30564 | -2.2905 | 2.13E-30 |
| OS03G0764600 | 1715.62215 | 1056.57554 | 0.69934 | 0.00095 |
| OS03G0765200 | 1429.01035 | 968.27927 | 0.56152 | 0.01081 |
| OS03G0765400 | 8.85529 | 31.58205 | -1.8345 | 0.00178 |
| OS03G0766500 | 31.36499 | 12.25657 | 1.3556 | 0.02338 |
| OS03G0766600 | 12.31243 | 100.23848 | -3.0252 | 4.30E-15 |
| OS03G0766800 | 376.42052 | 890.3573 | -1.242 | 4.14E-06 |
| OS03G0767800 | 1321.54012 | 838.10441 | 0.65702 | 0.0026 |
| OS03G0773600 | 261.61101 | 89.6101 | 1.5457 | 1.13E-05 |
| OS03G0773800 | 15871.57726 | 8987.8527 | 0.8204 | 1.95E-05 |
| OS03G0775000 | 979.06774 | 613.05537 | 0.67539 | 0.0018 |

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| OS03G0775300 | 38.78054 | 89.5275 | -1.207 | 0.00091 |
| OS03G0776400 | 19.9034 | 63.53948 | -1.6746 | 9.84E-05 |
| OS03G0777000 | 214.94249 | 111.90619 | 0.94166 | 0.00201 |
| OS03G0777100 | 39.24666 | 18.40689 | 1.0923 | 0.04511 |
| OS03G0780500 | 28.94533 | 69.67529 | -1.2673 | 0.00171 |
| OS03G0780900 | 20.57127 | 42.4945 | -1.0466 | 0.0494 |
| OS03G0781501 | 165.12756 | 261.13104 | -0.66119 | 0.01359 |
| OS03G0782500 | 1967.99491 | 1084.21011 | 0.86008 | 0.00014 |
| OS03G0786100 | 2078.77531 | 1146.54032 | 0.85845 | 1.72E-05 |
| OS03G0786400 | 3126.39324 | 1464.19813 | 1.0944 | 6.32E-06 |
| OS03G0786500 | 31.11565 | 11.06239 | 1.492 | 0.01558 |
| OS03G0786700 | 13.62435 | 40.10977 | -1.5578 | 0.0035 |
| OS03G0787000 | 139.57036 | 368.32572 | -1.4 | 4.18E-09 |
| OS03G0788200 | 103.72974 | 56.88828 | 0.86663 | 0.01336 |
| OS03G0790700 | 37.64405 | 443.92127 | -3.5598 | 3.60E-45 |
| OS03G0790900 | 8020.39153 | 5399.69197 | 0.5708 | 0.02433 |
| OS03G0792400 | 143.16439 | 284.40966 | -0.9903 | 8.94E-05 |
| OS03G0792600 | 27.93167 | 71.30571 | -1.3521 | 0.00056 |
| OS03G0795000 | 1352.99551 | 958.31943 | 0.49758 | 0.02832 |
| OS03G0796800 | 71.65673 | 157.3854 | -1.1351 | 8.08E-05 |
| OS03G0797300 | 1106.12056 | 54.12169 | 4.3532 | 6.99E-11 |
| OS03G0797400 | 594.93964 | 3.102 | 7.5834 | 5.79E-11 |
| OS03G0797500 | 579.93933 | 0.54534 | 10.055 | 1.73E-07 |
| OS03G0797600 | 1032.83213 | 604.52542 | 0.77273 | 0.00027 |
| OS03G0799000 | 312.5249 | 458.52364 | -0.55302 | 0.03305 |
| OS03G0799100 | 643.96803 | 445.94381 | 0.53013 | 0.03505 |
| OS03G0799900 | 172.63731 | 100.05803 | 0.78691 | 0.00781 |

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|--------------|------------|------------|----------|----------|
| OS03G0800000 | 4072.66402 | 2367.65098 | 0.78252 | 5.58E-05 |
| OS03G0800500 | 565.20273 | 297.96525 | 0.92362 | 2.34E-05 |
| OS03G0800800 | 32.60299 | 104.64399 | -1.6824 | 5.81E-07 |
| OS03G0801800 | 18.45865 | 42.65532 | -1.2084 | 0.0188 |
| OS03G0801900 | 88.28088 | 257.52724 | -1.5446 | 1.52E-09 |
| OS03G0802200 | 86.07044 | 33.22027 | 1.3735 | 0.00022 |
| OS03G0802600 | 1.51744 | 11.58912 | -2.9331 | 0.0196 |
| OS03G0802700 | 45.71617 | 90.94729 | -0.99233 | 0.00477 |
| OS03G0803500 | 7.6586 | 25.88634 | -1.757 | 0.01254 |
| OS03G0804500 | 80.64227 | 442.85687 | -2.4572 | 7.60E-26 |
| OS03G0805500 | 1000.49577 | 619.65114 | 0.69119 | 0.00176 |
| OS03G0806600 | 680.60761 | 1198.29335 | -0.81609 | 0.00868 |
| OS03G0807000 | 9.87401 | 37.00777 | -1.9061 | 0.00061 |
| OS03G0807200 | 55.50489 | 114.57676 | -1.0456 | 0.00142 |
| OS03G0807900 | 7429.98905 | 5451.23779 | 0.44678 | 0.04405 |
| OS03G0810100 | 21.90823 | 4.1114 | 2.4138 | 0.00145 |
| OS03G0810700 | 2.7354 | 17.26449 | -2.658 | 0.00351 |
| OS03G0811100 | 765.68606 | 538.78297 | 0.50705 | 0.04384 |
| OS03G0812200 | 1005.46568 | 1394.27258 | -0.47165 | 0.04257 |
| OS03G0812400 | 11.10946 | 36.87683 | -1.7309 | 0.00228 |
| OS03G0814600 | 4.9984 | 0 | | 0.03286 |
| OS03G0815700 | 80.01321 | 170.10224 | -1.0881 | 0.0002 |
| OS03G0816100 | 1527.35993 | 860.35844 | 0.82803 | 5.58E-05 |
| OS03G0816800 | 22.19523 | 58.44113 | -1.3967 | 0.00213 |
| OS03G0817800 | 48.67824 | 8.67017 | 2.4891 | 0.00522 |
| OS03G0819600 | 274.24723 | 42.53604 | 2.6887 | 0.00822 |
| OS03G0820500 | 717.9283 | 152.67391 | 2.2334 | 8.57E-13 |

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|--------------|------------|------------|----------|----------|
| OS03G0821100 | 501.96783 | 225.45794 | 1.1547 | 1.21E-07 |
| OS03G0821250 | 902.945 | 593.49555 | 0.6054 | 0.00772 |
| OS03G0821800 | 153.02456 | 230.56195 | -0.59139 | 0.04168 |
| OS03G0823400 | 670.86676 | 154.58704 | 2.1176 | 0.00913 |
| OS03G0823900 | 110.11019 | 66.67695 | 0.72369 | 0.04371 |
| OS03G0824100 | 62.79528 | 122.65468 | -0.96587 | 0.00228 |
| OS03G0824300 | 19.9009 | 47.87986 | -1.2666 | 0.00744 |
| OS03G0824500 | 132.97833 | 202.0577 | -0.60358 | 0.04053 |
| OS03G0825600 | 184.9219 | 118.97525 | 0.63625 | 0.04468 |
| OS03G0826200 | 6237.01477 | 4095.53396 | 0.6068 | 0.00997 |
| OS03G0826700 | 69.09043 | 116.03162 | -0.74796 | 0.0315 |
| OS03G0826800 | 5.44447 | 32.33266 | -2.5701 | 4.37E-05 |
| OS03G0830400 | 14.70832 | 82.59104 | -2.4894 | 2.34E-10 |
| OS03G0831100 | 33.53408 | 70.54572 | -1.0729 | 0.00651 |
| OS03G0833200 | 22.23153 | 48.37877 | -1.1218 | 0.02082 |
| OS03G0833700 | 143.47877 | 297.54218 | -1.0523 | 1.93E-05 |
| OS03G0833800 | 351.6859 | 173.13093 | 1.0224 | 0.00014 |
| OS03G0835100 | 7377.69705 | 5131.9816 | 0.52365 | 0.01585 |
| OS03G0835150 | 1155.10531 | 697.70054 | 0.72734 | 0.00079 |
| OS03G0836200 | 216.65922 | 484.16452 | -1.1601 | 1.29E-07 |
| OS03G0836300 | 140.46652 | 439.71899 | -1.6464 | 2.17E-13 |
| OS03G0836500 | 181.2169 | 287.5386 | -0.66604 | 0.01114 |
| OS03G0837300 | 244.62715 | 137.3946 | 0.83226 | 0.00196 |
| OS03G0838900 | 1522.04639 | 1073.92579 | 0.50312 | 0.02942 |
| OS03G0839200 | 29.70851 | 99.17681 | -1.7391 | 8.13E-05 |
| OS03G0840200 | 114.76524 | 62.24739 | 0.8826 | 0.00818 |
| OS03G0842400 | 6.04343 | 21.69563 | -1.844 | 0.01653 |

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| OS03G0843400 | 867.03654 | 615.17035 | 0.49511 | 0.03649 |
| OS03G0843800 | 11094.71982 | 4927.46416 | 1.171 | 1.08E-05 |
| OS03G0844900 | 1707.88749 | 1089.20256 | 0.64894 | 0.00245 |
| OS03G0845000 | 1870.25049 | 974.51467 | 0.94048 | 1.78E-06 |
| OS03G0845600 | 25.3742 | 7.85113 | 1.6924 | 0.01163 |
| OS03G0847600 | 797.06008 | 388.10072 | 1.0383 | 9.88E-07 |
| OS03G0847900 | 29.77491 | 8.87528 | 1.7462 | 0.0045 |
| OS03G0848700 | 8.70114 | 130.01952 | -3.9014 | 2.24E-21 |
| OS03G0850200 | 200.3421 | 98.04215 | 1.031 | 0.0001 |
| OS03G0850600 | 1720.96206 | 915.91288 | 0.90993 | 4.52E-06 |
| OS03G0850700 | 1125.10207 | 368.43675 | 1.6106 | 3.37E-12 |
| OS03G0851700 | 232.78104 | 153.58559 | 0.59993 | 0.04056 |
| OS03G0851800 | 359.28866 | 548.17976 | -0.60951 | 0.01266 |
| OS03G0852000 | 114.03089 | 50.08164 | 1.1871 | 0.0002 |
| OS03G0852500 | 38.00743 | 90.18935 | -1.2467 | 0.00042 |
| OS03G0853900 | 44.16986 | 85.79298 | -0.9578 | 0.0102 |
| OS03G0854200 | 7.73001 | 26.10083 | -1.7556 | 0.01119 |
| OS03G0854400 | 23.05228 | 81.41333 | -1.8204 | 2.43E-05 |
| OS03G0855700 | 1310.91413 | 703.73616 | 0.89747 | 1.00E-05 |
| OS03G0856000 | 485.04184 | 823.88747 | -0.76434 | 0.00034 |
| OS03G0856500 | 517.11737 | 6597.02089 | -3.6733 | 3.61E-27 |
| OS03G0857400 | 2272.76787 | 1133.50066 | 1.0037 | 1.66E-05 |
| OS03G0858100 | 276.41219 | 448.02836 | -0.69677 | 0.00316 |
| OS03G0858200 | 80.84411 | 37.0672 | 1.125 | 0.00372 |
| OS03G0862100 | 620.61409 | 428.17244 | 0.5355 | 0.02967 |
| OS04G0102700 | 360.83875 | 536.49146 | -0.5722 | 0.02096 |
| OS04G0104900 | 176.30597 | 49.25196 | 1.8398 | 0.00093 |

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| OS04G0106500 | 60.79661 | 30.45432 | 0.99734 | 0.0221 |
| OS04G0108300 | 664.14875 | 440.74977 | 0.59155 | 0.01031 |
| OS04G0109100 | 1.19542 | 58.37422 | -5.6097 | 2.38E-17 |
| OS04G0110500 | 29.04179 | 59.61459 | -1.0375 | 0.02619 |
| OS04G0111100 | 7.73757 | 30.92225 | -1.9987 | 0.00129 |
| OS04G0111200 | 2194.86765 | 1277.95701 | 0.78029 | 0.00061 |
| OS04G0111500 | 150.90558 | 288.49749 | -0.93491 | 0.00014 |
| OS04G0112300 | 40.06613 | 86.96162 | -1.118 | 0.00257 |
| OS04G0117900 | 321.62593 | 1205.94905 | -1.9067 | 9.62E-10 |
| OS04G0118900 | 73.45853 | 136.08304 | -0.88949 | 0.01417 |
| OS04G0119000 | 7.0371 | 35.8374 | -2.3484 | 7.73E-05 |
| OS04G0119400 | 694.25858 | 1121.1142 | -0.69139 | 0.00152 |
| OS04G0119800 | 162.36219 | 90.26975 | 0.8469 | 0.00448 |
| OS04G0120100 | 245.43911 | 136.37524 | 0.84778 | 0.04136 |
| OS04G0121100 | 372.8481 | 43.59905 | 3.0962 | 0.02888 |
| OS04G0128900 | 9.84769 | 1.45487 | 2.7589 | 0.03323 |
| OS04G0129600 | 30.47916 | 63.25641 | -1.0534 | 0.01347 |
| OS04G0143566 | 24.10865 | 5.44054 | 2.1477 | 0.00292 |
| OS04G0146800 | 48.07941 | 86.48613 | -0.84705 | 0.04933 |
| OS04G0154800 | 18.28445 | 87.12873 | -2.2525 | 1.24E-06 |
| OS04G0165700 | 1468.00445 | 633.77761 | 1.2118 | 5.16E-10 |
| OS04G0167800 | 161.98514 | 96.96124 | 0.74038 | 0.01588 |
| OS04G0167875 | 28.26125 | 6.22623 | 2.1824 | 0.00074 |
| OS04G0167900 | 51.08163 | 13.96826 | 1.8707 | 2.69E-05 |
| OS04G0169100 | 114.65002 | 460.42573 | -2.0057 | 0.00134 |
| OS04G0171800 | 2080.00413 | 531.763 | 1.9677 | 0.03937 |
| OS04G0172400 | 112.03227 | 36.37784 | 1.6228 | 4.75E-06 |

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| OS04G0174800 | 30.72094 | 65.88898 | -1.1008 | 0.0098 |
| OS04G0174850 | 18.00752 | 40.90295 | -1.1836 | 0.03069 |
| OS04G0178300 | 128.5161 | 42.26353 | 1.6045 | 2.01E-06 |
| OS04G0178400 | 134.73726 | 48.27022 | 1.4809 | 0.01752 |
| OS04G0182200 | 45.3339 | 8.2709 | 2.4545 | 8.35E-07 |
| OS04G0191500 | 935.10104 | 519.23496 | 0.84873 | 0.00825 |
| OS04G0194500 | 21.59376 | 101.11473 | -2.2273 | 3.70E-10 |
| OS04G0194600 | 28.09954 | 62.45424 | -1.1523 | 0.00623 |
| OS04G0197100 | 415.75601 | 98.72613 | 2.0742 | 6.34E-16 |
| OS04G0197200 | 291.68409 | 75.07049 | 1.9581 | 1.10E-15 |
| OS04G0201500 | 199.09914 | 74.48409 | 1.4185 | 9.02E-08 |
| OS04G0201800 | 1464.55215 | 462.55448 | 1.6628 | 4.64E-18 |
| OS04G0205200 | 133.38938 | 13.43963 | 3.3111 | 2.06E-22 |
| OS04G0208200 | 174.17981 | 42.56845 | 2.0327 | 0.00013 |
| OS04G0208450 | 14.80477 | 39.68638 | -1.4226 | 0.00725 |
| OS04G0209200 | 94.93711 | 44.1213 | 1.1055 | 0.01483 |
| OS04G0209300 | 221.85099 | 482.03941 | -1.1196 | 0.00013 |
| OS04G0219550 | 86.00667 | 38.2539 | 1.1688 | 0.00113 |
| OS04G0219600 | 430.2481 | 223.1532 | 0.94713 | 0.04798 |
| OS04G0220300 | 66.33138 | 32.2402 | 1.0408 | 0.0117 |
| OS04G0220400 | 79.15998 | 40.91997 | 0.95197 | 0.03643 |
| OS04G0223600 | 3.1777 | 14.70224 | -2.21 | 0.02602 |
| OS04G0225001 | 68.14057 | 36.836 | 0.8874 | 0.02881 |
| OS04G0227500 | 322.64861 | 181.11519 | 0.83306 | 0.00382 |
| OS04G0229100 | 125.24684 | 50.18325 | 1.3195 | 0.01214 |
| OS04G0234600 | 25974.33446 | 15944.21518 | 0.70405 | 0.00042 |
| OS04G0244800 | 5278.32223 | 2023.25458 | 1.3834 | 3.88E-14 |

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| OS04G0266900 | 100.06478 | 34.16109 | 1.5505 | 0.02599 |
| OS04G0267250 | 12.85497 | 37.84328 | -1.5577 | 0.007 |
| OS04G0271700 | 31.36626 | 9.61115 | 1.7064 | 0.00406 |
| OS04G0272200 | 36.37599 | 12.15858 | 1.581 | 0.00311 |
| OS04G0272700 | 330.01364 | 179.64213 | 0.8774 | 0.00041 |
| OS04G0276600 | 113.44454 | 57.0137 | 0.99261 | 0.00287 |
| OS04G0282400 | 150.60388 | 52.94328 | 1.5082 | 4.69E-05 |
| OS04G0284900 | 87.59416 | 39.40551 | 1.1524 | 0.00134 |
| OS04G0286300 | 276.83576 | 431.14507 | -0.63914 | 0.00902 |
| OS04G0288500 | 37.41725 | 201.73335 | -2.4307 | 2.65E-13 |
| OS04G0293300 | 22.22032 | 55.72729 | -1.3265 | 0.00301 |
| OS04G0293700 | 42.41187 | 75.35232 | -0.82918 | 0.04802 |
| OS04G0295400 | 472.92639 | 216.6323 | 1.1264 | 5.88E-07 |
| OS04G0300600 | 817.32383 | 173.39367 | 2.2369 | 3.81E-22 |
| OS04G0303250 | 5.79787 | 32.50072 | -2.4869 | 4.76E-05 |
| OS04G0304200 | 6673.52291 | 3467.60506 | 0.94451 | 6.67E-07 |
| OS04G0304250 | 1209.0418 | 604.06981 | 1.0011 | 5.53E-07 |
| OS04G0306800 | 761.74109 | 525.60054 | 0.53533 | 0.02446 |
| OS04G0307500 | 114.67253 | 209.11054 | -0.86675 | 0.00113 |
| OS04G0313900 | 5.5009 | 0 | | 0.02221 |
| OS04G0316200 | 20.56244 | 49.59511 | -1.2702 | 0.03557 |
| OS04G0321700 | 248.86503 | 128.01875 | 0.95901 | 0.00016 |
| OS04G0337000 | 324.98612 | 188.82011 | 0.78337 | 0.00259 |
| OS04G0338000 | 1654.10023 | 752.3319 | 1.1366 | 7.13E-09 |
| OS04G0338100 | 2973.77039 | 1258.87967 | 1.2402 | 0.02084 |
| OS04G0339800 | 3.25917 | 14.473 | -2.1508 | 0.04186 |
| OS04G0340100 | 3.78044 | 15.33271 | -2.02 | 0.03664 |

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| OS04G0347400 | 9.85019 | 1.41979 | 2.7945 | 0.02723 |
| OS04G0347800 | 110.03372 | 55.36326 | 0.99095 | 0.00283 |
| OS04G0348100 | 22.46338 | 61.99585 | -1.4646 | 0.00068 |
| OS04G0349700 | 366.37485 | 178.0988 | 1.0406 | 1.38E-05 |
| OS04G0365100 | 34.66551 | 79.9482 | -1.2056 | 0.00487 |
| OS04G0366000 | 3.21158 | 28.24522 | -3.1367 | 1.04E-05 |
| OS04G0370900 | 716.98998 | 3418.68833 | -2.2534 | 2.30E-34 |
| OS04G0371000 | 112.51996 | 429.42874 | -1.9322 | 7.51E-18 |
| OS04G0372400 | 198.25096 | 491.43839 | -1.3097 | 2.22E-09 |
| OS04G0372700 | 104.75847 | 37.93606 | 1.4654 | 8.06E-05 |
| OS04G0372750 | 222.10478 | 87.14552 | 1.3497 | 0.00029 |
| OS04G0372775 | 62.97809 | 23.26527 | 1.4367 | 0.00047 |
| OS04G0373000 | 61.29155 | 24.66457 | 1.3132 | 0.00228 |
| OS04G0376000 | 219.32308 | 389.51156 | -0.82861 | 0.00051 |
| OS04G0376500 | 301.89426 | 450.71455 | -0.57817 | 0.02076 |
| OS04G0377600 | 35.69807 | 76.44473 | -1.0986 | 0.00502 |
| OS04G0379300 | 58.92449 | 110.67197 | -0.90935 | 0.00887 |
| OS04G0379600 | 143.40104 | 248.57736 | -0.79364 | 0.00262 |
| OS04G0380200 | 48.70579 | 16.60832 | 1.5522 | 0.02679 |
| OS04G0381000 | 51.65682 | 131.82824 | -1.3516 | 9.63E-06 |
| OS04G0387000 | 51.3336 | 148.22932 | -1.5299 | 4.90E-07 |
| OS04G0389800 | 62.15233 | 11.21571 | 2.4703 | 9.82E-09 |
| OS04G0391500 | 624.15361 | 395.86024 | 0.65691 | 0.00301 |
| OS04G0401700 | 66.79363 | 345.09425 | -2.3692 | 5.70E-22 |
| OS04G0402700 | 582.91919 | 825.25641 | -0.50155 | 0.03621 |
| OS04G0403500 | 2335.34314 | 1129.50717 | 1.0479 | 6.79E-08 |
| OS04G0403600 | 200.17808 | 74.80027 | 1.4202 | 0.00091 |

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| OS04G0403701 | 3414.20485 | 2214.53789 | 0.62454 | 0.00261 |
| OS04G0403900 | 5276.51604 | 3120.19435 | 0.75795 | 0.00011 |
| OS04G0404800 | 11341.64224 | 5458.62312 | 1.055 | 1.43E-08 |
| OS04G0405300 | 313.83019 | 167.09824 | 0.90929 | 0.00387 |
| OS04G0405900 | 679.59814 | 1634.01214 | -1.2657 | 2.89E-06 |
| OS04G0409200 | 296.99946 | 114.04883 | 1.3808 | 1.19E-08 |
| OS04G0409900 | 123.28348 | 78.50966 | 0.65104 | 0.04561 |
| OS04G0413900 | 40.64131 | 74.69923 | -0.87815 | 0.03401 |
| OS04G0414700 | 25729.46286 | 15758.52552 | 0.70729 | 0.01051 |
| OS04G0415401 | 23.09359 | 61.36183 | -1.4098 | 0.00081 |
| OS04G0418500 | 197.21071 | 382.70973 | -0.95651 | 7.37E-05 |
| OS04G0419600 | 57.61623 | 21.24836 | 1.4391 | 0.00119 |
| OS04G0419900 | 43.5596 | 169.32925 | -1.9588 | 2.12E-06 |
| OS04G0423100 | 18.23814 | 4.27222 | 2.0939 | 0.01345 |
| OS04G0423400 | 701.35333 | 292.42227 | 1.2621 | 0.00754 |
| OS04G0423600 | 7158.15007 | 2026.47218 | 1.8206 | 2.11E-05 |
| OS04G0428900 | 115.48338 | 187.17999 | -0.69674 | 0.01817 |
| OS04G0430000 | 105.72451 | 59.01233 | 0.84122 | 0.01787 |
| OS04G0430200 | 910.16784 | 288.79608 | 1.6561 | 1.61E-16 |
| OS04G0430600 | 30.46655 | 163.36514 | -2.4228 | 1.54E-15 |
| OS04G0431200 | 2658.07193 | 1913.24347 | 0.47436 | 0.0407 |
| OS04G0432500 | 225.58095 | 328.0936 | -0.54046 | 0.04732 |
| OS04G0433300 | 25.16867 | 9.5778 | 1.3939 | 0.04273 |
| OS04G0433600 | 1702.68807 | 961.7991 | 0.82401 | 5.99E-05 |
| OS04G0434300 | 89.82846 | 154.89109 | -0.78601 | 0.00992 |
| OS04G0434800 | 207.96317 | 120.95971 | 0.7818 | 0.00404 |
| OS04G0435700 | 4840.49863 | 3337.88917 | 0.53622 | 0.01297 |

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| OS04G0439100 | 4256.1942 | 2379.723 | 0.83877 | 0.00042 |
| OS04G0439300 | 347.17777 | 135.43024 | 1.3581 | 7.29E-09 |
| OS04G0439400 | 436.72421 | 151.64459 | 1.526 | 9.13E-12 |
| OS04G0442100 | 776.72702 | 509.74533 | 0.60763 | 0.00773 |
| OS04G0442200 | 1997.14756 | 1142.27976 | 0.80602 | 5.80E-05 |
| OS04G0442300 | 466.1287 | 247.98254 | 0.91049 | 0.001 |
| OS04G0442700 | 72.48876 | 26.94383 | 1.4278 | 0.00016 |
| OS04G0444300 | 3.58247 | 126.61493 | -5.1434 | 3.55E-05 |
| OS04G0444800 | 61134.67025 | 22278.57606 | 1.4563 | 6.03E-16 |
| OS04G0445200 | 7782.96114 | 4735.24504 | 0.71688 | 0.00027 |
| OS04G0445300 | 3.13261 | 29.75029 | -3.2475 | 3.82E-06 |
| OS04G0446500 | 42.0046 | 74.97528 | -0.83587 | 0.04122 |
| OS04G0447100 | 978.66341 | 544.02338 | 0.84714 | 0.00059 |
| OS04G0448600 | 3398.20237 | 1358.62005 | 1.3226 | 1.76E-12 |
| OS04G0448900 | 544.11254 | 299.73625 | 0.86021 | 0.00075 |
| OS04G0448950 | 114.19766 | 57.86071 | 0.98088 | 0.00316 |
| OS04G0449450 | 261.43801 | 150.07613 | 0.80077 | 0.00193 |
| OS04G0450100 | 10400.29419 | 4151.86483 | 1.3248 | 3.26E-06 |
| OS04G0450400 | 213.7334 | 325.00659 | -0.60466 | 0.02997 |
| OS04G0450800 | 187.40048 | 286.87729 | -0.61431 | 0.02271 |
| OS04G0451200 | 248.76854 | 4057.10413 | -4.0276 | 1.43E-07 |
| OS04G0451700 | 15.00779 | 2.56778 | 2.5471 | 0.03732 |
| OS04G0452000 | 559.04658 | 813.25364 | -0.54074 | 0.02175 |
| OS04G0452700 | 140.04816 | 857.27766 | -2.6138 | 3.95E-05 |
| OS04G0453200 | 331.31396 | 177.54963 | 0.89998 | 0.0131 |
| OS04G0453500 | 314.30764 | 54.77709 | 2.5205 | 1.85E-13 |
| OS04G0454200 | 59.33156 | 6.08765 | 3.2848 | 0.02573 |

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| OS04G0456700 | 2629.74506 | 1181.74505 | 1.154 | 1.62E-09 |
| OS04G0457400 | 215.54913 | 107.46409 | 1.0042 | 0.00017 |
| OS04G0457800 | 1464.99451 | 2105.24295 | -0.52309 | 0.02095 |
| OS04G0458300 | 24.39807 | 211.70126 | -3.1172 | 2.62E-22 |
| OS04G0459900 | 600.78192 | 416.3916 | 0.5289 | 0.03237 |
| OS04G0460600 | 66.3814 | 121.41077 | -0.87105 | 0.00735 |
| OS04G0462500 | 42.49071 | 104.46048 | -1.2977 | 0.00015 |
| OS04G0462900 | 165.16394 | 263.60991 | -0.67451 | 0.01377 |
| OS04G0463200 | 70.48874 | 164.59344 | -1.2234 | 1.99E-05 |
| OS04G0464200 | 479.6297 | 296.83245 | 0.69227 | 0.0045 |
| OS04G0465500 | 502.98052 | 314.82053 | 0.67597 | 0.00379 |
| OS04G0466600 | 1031.66192 | 576.70769 | 0.83906 | 5.71E-05 |
| OS04G0466700 | 13.60558 | 44.31356 | -1.7035 | 0.00077 |
| OS04G0468000 | 87.52275 | 1059.01467 | -3.5969 | 2.42E-07 |
| OS04G0468600 | 152.24989 | 1862.96425 | -3.6131 | 3.15E-23 |
| OS04G0469300 | 10.6596 | 105.73806 | -3.3103 | 1.85E-17 |
| OS04G0470700 | 133.34154 | 68.61063 | 0.95862 | 0.00256 |
| OS04G0471300 | 499.87898 | 327.37451 | 0.61064 | 0.01108 |
| OS04G0471400 | 2325.10169 | 1381.75025 | 0.7508 | 0.00025 |
| OS04G0474800 | 104.74948 | 312.53316 | -1.5771 | 1.34E-10 |
| OS04G0475200 | 141.40126 | 47.88743 | 1.5621 | 1.31E-07 |
| OS04G0475600 | 560.50945 | 254.81031 | 1.1373 | 7.34E-05 |
| OS04G0476800 | 1382.08942 | 843.54879 | 0.71231 | 0.00087 |
| OS04G0477000 | 76.38825 | 33.48459 | 1.1899 | 0.00174 |
| OS04G0477500 | 622.40069 | 365.09743 | 0.76956 | 0.0005 |
| OS04G0479700 | 8.95553 | 27.01785 | -1.5931 | 0.01698 |
| OS04G0480500 | 143.24327 | 83.69778 | 0.77521 | 0.01735 |

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|--------------|-------------|------------|----------|----------|
| OS04G0480900 | 26.83016 | 5.29636 | 2.3408 | 0.00472 |
| OS04G0481100 | 254.37107 | 98.14983 | 1.3739 | 3.72E-08 |
| OS04G0483450 | 14.95137 | 0 | | 2.46E-06 |
| OS04G0484900 | 114.32664 | 224.31761 | -0.97238 | 0.00525 |
| OS04G0485400 | 8.78011 | 44.79812 | -2.3511 | 4.95E-06 |
| OS04G0486950 | 6.63989 | 43.00083 | -2.6951 | 0.00982 |
| OS04G0487200 | 867.25065 | 1427.85828 | -0.71933 | 0.00069 |
| OS04G0487300 | 46.79254 | 92.57733 | -0.98438 | 0.00757 |
| OS04G0487400 | 10.93026 | 88.57155 | -3.0185 | 7.59E-14 |
| OS04G0488500 | 9.17732 | 30.54883 | -1.735 | 0.00413 |
| OS04G0488700 | 857.33191 | 433.60155 | 0.98348 | 1.65E-06 |
| OS04G0489600 | 95.26513 | 4727.68837 | -5.633 | 3.99E-20 |
| OS04G0489900 | 16.8898 | 38.96201 | -1.2059 | 0.03291 |
| OS04G0490500 | 488.97919 | 793.17985 | -0.69787 | 0.0024 |
| OS04G0490800 | 13559.67469 | 7877.13535 | 0.78358 | 0.00026 |
| OS04G0490866 | 227.77899 | 125.89999 | 0.85536 | 0.00174 |
| OS04G0491700 | 1782.154 | 826.52067 | 1.1085 | 9.53E-09 |
| OS04G0492300 | 196.61057 | 330.50049 | -0.74931 | 0.00294 |
| OS04G0492500 | 28.06201 | 56.3796 | -1.0066 | 0.0273 |
| OS04G0492600 | 66.38263 | 107.6517 | -0.69749 | 0.048 |
| OS04G0493000 | 10879.14945 | 7301.1196 | 0.57538 | 0.00471 |
| OS04G0493300 | 39.54363 | 85.32387 | -1.1095 | 0.00237 |
| OS04G0495800 | 1584.96363 | 1092.0435 | 0.53742 | 0.01615 |
| OS04G0496000 | 233.85473 | 350.36859 | -0.58326 | 0.03609 |
| OS04G0496150 | 94.09879 | 156.02766 | -0.72955 | 0.02313 |
| OS04G0497600 | 57.35063 | 173.59445 | -1.5978 | 1.90E-08 |
| OS04G0498200 | 181.46854 | 296.7024 | -0.7093 | 0.00647 |

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|--------------|------------|------------|----------|----------|
| OS04G0502900 | 1507.59882 | 1069.25535 | 0.49565 | 0.03204 |
| OS04G0503100 | 70.21948 | 114.85219 | -0.70984 | 0.04263 |
| OS04G0503600 | 210.21963 | 471.71971 | -1.166 | 1.76E-07 |
| OS04G0504000 | 529.09297 | 1730.65829 | -1.7097 | 1.36E-14 |
| OS04G0506900 | 146.88709 | 82.88198 | 0.82558 | 0.00915 |
| OS04G0507100 | 1791.23304 | 1244.83141 | 0.525 | 0.01772 |
| OS04G0508300 | 1222.00095 | 837.69145 | 0.54475 | 0.01745 |
| OS04G0509100 | 610.61735 | 409.69231 | 0.57573 | 0.01861 |
| OS04G0509400 | 342.29263 | 835.60292 | -1.2876 | 3.55E-08 |
| OS04G0510000 | 17.71674 | 0 | | 0.03494 |
| OS04G0510600 | 211.01159 | 317.8736 | -0.59113 | 0.03741 |
| OS04G0511200 | 35.01772 | 4.81756 | 2.8617 | 0.0249 |
| OS04G0512500 | 131.01855 | 80.16807 | 0.70867 | 0.02404 |
| OS04G0512900 | 41.04481 | 86.2237 | -1.0709 | 0.00358 |
| OS04G0513400 | 1186.63439 | 277.95299 | 2.094 | 1.27E-21 |
| OS04G0515400 | 86.68201 | 43.49083 | 0.99502 | 0.00673 |
| OS04G0517000 | 24.46315 | 4.01153 | 2.6084 | 0.00385 |
| OS04G0518400 | 1370.49659 | 60.5141 | 4.5013 | 3.57E-34 |
| OS04G0520700 | 1168.24455 | 789.59071 | 0.56517 | 0.01015 |
| OS04G0524600 | 52.53399 | 113.38508 | -1.1099 | 0.00857 |
| OS04G0525600 | 68.05422 | 147.47675 | -1.1157 | 0.00018 |
| OS04G0525900 | 601.43816 | 1186.25704 | -0.97993 | 1.64E-06 |
| OS04G0526800 | 732.99001 | 174.92183 | 2.0671 | 0.0037 |
| OS04G0527000 | 211.93436 | 58.46201 | 1.858 | 1.62E-05 |
| OS04G0527400 | 207.05697 | 94.40654 | 1.1331 | 2.59E-05 |
| OS04G0527700 | 30.95029 | 79.13256 | -1.3543 | 0.00034 |
| OS04G0529100 | 9.8051 | 33.71524 | -1.7818 | 0.00344 |

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|--------------|-------------|------------|----------|----------|
| OS04G0530200 | 976.35489 | 696.26397 | 0.48777 | 0.04448 |
| OS04G0531400 | 572.63798 | 322.79684 | 0.827 | 0.00019 |
| OS04G0531900 | 61.13735 | 114.23046 | -0.90182 | 0.01323 |
| OS04G0532400 | 10875.31906 | 5703.8958 | 0.93104 | 0.0116 |
| OS04G0533300 | 4875.29264 | 7058.42054 | -0.53386 | 0.01504 |
| OS04G0534000 | 1511.2161 | 538.39308 | 1.489 | 1.14E-14 |
| OS04G0534166 | 50.23334 | 22.50008 | 1.1587 | 0.02289 |
| OS04G0534200 | 131.85548 | 51.5365 | 1.3553 | 9.18E-06 |
| OS04G0534600 | 1749.6024 | 1221.25811 | 0.51866 | 0.0178 |
| OS04G0537100 | 1707.40796 | 800.24335 | 1.0933 | 1.79E-08 |
| OS04G0537900 | 715.78361 | 357.61244 | 1.0011 | 2.99E-06 |
| OS04G0538100 | 292.71783 | 198.15961 | 0.56285 | 0.03303 |
| OS04G0538166 | 789.55337 | 536.46296 | 0.55756 | 0.01826 |
| OS04G0539000 | 1983.55361 | 1309.53622 | 0.59903 | 0.00538 |
| OS04G0539500 | 88.46883 | 149.11041 | -0.75314 | 0.01736 |
| OS04G0540200 | 144.04105 | 749.76862 | -2.38 | 3.72E-29 |
| OS04G0541700 | 8188.37328 | 3408.86526 | 1.2643 | 8.13E-12 |
| OS04G0542200 | 262.12137 | 122.31092 | 1.0997 | 0.00654 |
| OS04G0542302 | 14.65945 | 1.48995 | 3.2985 | 0.01893 |
| OS04G0542800 | 149.15503 | 627.01939 | -2.0717 | 2.40E-21 |
| OS04G0543500 | 166.87064 | 265.04737 | -0.66752 | 0.0167 |
| OS04G0547900 | 247.56258 | 12.88318 | 4.2642 | 0.03684 |
| OS04G0552700 | 2.28932 | 17.56578 | -2.9398 | 0.00203 |
| OS04G0555000 | 104.76327 | 41.82895 | 1.3246 | 0.00059 |
| OS04G0555300 | 10447.19577 | 6342.41296 | 0.72001 | 0.00026 |
| OS04G0555500 | 214.41762 | 344.80786 | -0.68537 | 0.00632 |
| OS04G0555600 | 205.04748 | 311.51821 | -0.60336 | 0.01932 |

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|--------------|------------|------------|----------|----------|
| OS04G0556500 | 55.04135 | 157.6658 | -1.5183 | 0.00043 |
| OS04G0558400 | 1012.10179 | 493.6855 | 1.0357 | 3.71E-07 |
| OS04G0558700 | 113.28759 | 15.87435 | 2.8352 | 0.00205 |
| OS04G0559400 | 451.03387 | 676.12924 | -0.58406 | 0.01396 |
| OS04G0559700 | 396.02515 | 206.97765 | 0.93612 | 6.57E-05 |
| OS04G0560300 | 25.59849 | 78.21744 | -1.6114 | 3.31E-05 |
| OS04G0562100 | 535.49477 | 207.90587 | 1.3649 | 2.23E-10 |
| OS04G0563300 | 30.02425 | 62.66275 | -1.0615 | 0.01721 |
| OS04G0569100 | 132.97341 | 60.19957 | 1.1433 | 0.00034 |
| OS04G0569300 | 62.95919 | 271.60317 | -2.109 | 1.50E-16 |
| OS04G0572800 | 29.1734 | 9.54272 | 1.6122 | 0.00886 |
| OS04G0573000 | 3792.8626 | 1433.9362 | 1.4033 | 1.54E-07 |
| OS04G0573200 | 262.42443 | 155.71202 | 0.75302 | 0.0059 |
| OS04G0573900 | 152.34158 | 254.61198 | -0.74099 | 0.00639 |
| OS04G0574100 | 60.29155 | 29.37129 | 1.0375 | 0.01348 |
| OS04G0574700 | 1946.46316 | 1196.89378 | 0.70156 | 0.00056 |
| OS04G0578200 | 4057.81821 | 2680.98479 | 0.59794 | 0.00383 |
| OS04G0579200 | 103.39388 | 57.12327 | 0.856 | 0.01627 |
| OS04G0580300 | 845.91397 | 492.09916 | 0.78156 | 0.00019 |
| OS04G0580800 | 39.90696 | 152.67215 | -1.9357 | 1.90E-05 |
| OS04G0581000 | 17.19938 | 62.55601 | -1.8628 | 1.19E-05 |
| OS04G0581800 | 0.42353 | 34.92818 | -6.3658 | 1.48E-11 |
| OS04G0584300 | 65.58315 | 141.51719 | -1.1096 | 0.00024 |
| OS04G0584500 | 12.1846 | 61.58145 | -2.3374 | 2.73E-07 |
| OS04G0585200 | 3801.45246 | 1807.60798 | 1.0725 | 0.01456 |
| OS04G0585300 | 82.8941 | 141.18573 | -0.76825 | 0.01816 |
| OS04G0586500 | 478.39537 | 337.19203 | 0.50463 | 0.04555 |

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|--------------|------------|------------|----------|----------|
| OS04G0587300 | 18.85081 | 44.31333 | -1.2331 | 0.02402 |
| OS04G0587500 | 90.27081 | 387.0591 | -2.1002 | 0.0041 |
| OS04G0590400 | 55.45097 | 164.16881 | -1.5659 | 0.00017 |
| OS04G0591100 | 641.2336 | 423.31367 | 0.59912 | 0.0112 |
| OS04G0592400 | 737.14812 | 485.52737 | 0.6024 | 0.01131 |
| OS04G0592600 | 603.94942 | 380.48235 | 0.6666 | 0.00329 |
| OS04G0592700 | 31.0042 | 89.115 | -1.5232 | 1.90E-05 |
| OS04G0597800 | 0 | 7.74763 | | 0.0066 |
| OS04G0598200 | 156.97274 | 269.22797 | -0.77831 | 0.00318 |
| OS04G0598800 | 71.94483 | 219.13499 | -1.6069 | 1.50E-09 |
| OS04G0598900 | 64.07955 | 19.64553 | 1.7057 | 2.29E-05 |
| OS04G0599000 | 211.54301 | 353.93194 | -0.74252 | 0.00321 |
| OS04G0600300 | 28.32506 | 8.98816 | 1.656 | 0.03016 |
| OS04G0605300 | 2837.42431 | 1144.6829 | 1.3096 | 5.69E-11 |
| OS04G0605500 | 2521.18547 | 752.50261 | 1.7443 | 1.60E-13 |
| OS04G0605900 | 120.37007 | 204.00084 | -0.7611 | 0.00723 |
| OS04G0606000 | 83.88514 | 11.79613 | 2.8301 | 3.34E-13 |
| OS04G0607000 | 1909.79121 | 1184.14641 | 0.68957 | 0.00098 |
| OS04G0607500 | 207.74595 | 51.10813 | 2.0232 | 0.02947 |
| OS04G0609200 | 100.02054 | 59.98075 | 0.73773 | 0.04151 |
| OS04G0611400 | 298.90669 | 1698.80305 | -2.5068 | 3.52E-38 |
| OS04G0613300 | 974.04531 | 646.20462 | 0.592 | 0.00726 |
| OS04G0613900 | 328.74706 | 98.74885 | 1.7351 | 2.00E-13 |
| OS04G0615000 | 1170.11311 | 549.32056 | 1.0909 | 3.91E-08 |
| OS04G0615500 | 133.52715 | 207.34068 | -0.63487 | 0.03719 |
| OS04G0616500 | 85.57685 | 643.71128 | -2.9111 | 1.18E-38 |
| OS04G0616700 | 1267.10245 | 2667.20558 | -1.0738 | 1.01E-08 |

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|--------------|------------|------------|----------|----------|
| OS04G0617200 | 24.36292 | 51.77079 | -1.0875 | 0.0238 |
| OS04G0617700 | 84.29734 | 186.26803 | -1.1438 | 3.18E-05 |
| OS04G0618050 | 3.18525 | 14.36028 | -2.1726 | 0.03015 |
| OS04G0619000 | 0.79442 | 21.84336 | -4.7811 | 2.59E-06 |
| OS04G0619400 | 80.38537 | 153.026 | -0.92877 | 0.00267 |
| OS04G0620700 | 365.9098 | 608.99969 | -0.73495 | 0.00098 |
| OS04G0620800 | 26.92667 | 52.35696 | -0.95935 | 0.04371 |
| OS04G0621650 | 0.42353 | 7.24848 | -4.0971 | 0.03361 |
| OS04G0623100 | 138.82117 | 212.33923 | -0.61314 | 0.03861 |
| OS04G0624600 | 1884.57514 | 1195.50289 | 0.65662 | 0.00205 |
| OS04G0626000 | 719.17396 | 495.78636 | 0.53662 | 0.02778 |
| OS04G0628000 | 23.82038 | 52.72115 | -1.1462 | 0.01336 |
| OS04G0628200 | 46.79381 | 82.10497 | -0.81115 | 0.03767 |
| OS04G0629100 | 5.94698 | 27.73496 | -2.2215 | 0.00079 |
| OS04G0629500 | 766.15156 | 455.01925 | 0.7517 | 0.00059 |
| OS04G0629600 | 276.87589 | 182.51056 | 0.60126 | 0.03423 |
| OS04G0630000 | 64.52567 | 127.21534 | -0.97933 | 0.00195 |
| OS04G0630100 | 18.92727 | 3.55495 | 2.4126 | 0.00458 |
| OS04G0630400 | 425.68026 | 96.45564 | 2.1418 | 0.00077 |
| OS04G0630800 | 20.22042 | 93.60171 | -2.2107 | 9.85E-10 |
| OS04G0630900 | 12.16961 | 41.03578 | -1.7536 | 0.00128 |
| OS04G0631100 | 1810.79705 | 1202.20827 | 0.59094 | 0.00553 |
| OS04G0632300 | 26.38286 | 60.32862 | -1.1932 | 0.00611 |
| OS04G0632600 | 44.75256 | 13.66713 | 1.7113 | 0.00035 |
| OS04G0632901 | 17.01513 | 4.27222 | 1.9938 | 0.02025 |
| OS04G0633200 | 85.30124 | 35.82313 | 1.2517 | 0.00241 |
| OS04G0633600 | 109.73564 | 65.38289 | 0.74705 | 0.03543 |

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| OS04G0635500 | 94.95957 | 48.45295 | 0.97073 | 0.00663 |
| OS04G0635700 | 180.26692 | 425.62896 | -1.2395 | 4.97E-08 |
| OS04G0635900 | 124.76573 | 210.59852 | -0.75527 | 0.00744 |
| OS04G0636900 | 487.32859 | 692.56066 | -0.50705 | 0.04075 |
| OS04G0638100 | 218.60282 | 94.79833 | 1.2054 | 4.66E-06 |
| OS04G0639200 | 947.81782 | 1543.91477 | -0.70391 | 0.00109 |
| OS04G0640800 | 106.04776 | 168.47136 | -0.66779 | 0.03334 |
| OS04G0640900 | 69.44998 | 19.2204 | 1.8533 | 4.60E-05 |
| OS04G0641000 | 55.18537 | 104.11551 | -0.91583 | 0.00809 |
| OS04G0644600 | 4193.5005 | 2560.52439 | 0.71172 | 0.00035 |
| OS04G0644750 | 47.17969 | 222.31583 | -2.2364 | 1.04E-13 |
| OS04G0644800 | 5.24901 | 18.91139 | -1.8491 | 0.03635 |
| OS04G0647800 | 298.8188 | 532.4546 | -0.83339 | 0.00022 |
| OS04G0647900 | 50.68947 | 155.19852 | -1.6144 | 3.55E-08 |
| OS04G0648200 | 6.86418 | 31.3566 | -2.1916 | 0.00051 |
| OS04G0648400 | 18.01622 | 104.66078 | -2.5384 | 1.40E-12 |
| OS04G0648900 | 1556.84 | 2399.05608 | -0.62385 | 0.0243 |
| OS04G0649900 | 17.60653 | 68.95243 | -1.9695 | 2.20E-06 |
| OS04G0650000 | 1561.29599 | 2317.8328 | -0.57003 | 0.00982 |
| OS04G0650600 | 19.55633 | 67.0015 | -1.7766 | 1.73E-05 |
| OS04G0650800 | 136.3565 | 666.92111 | -2.2901 | 1.01E-26 |
| OS04G0651700 | 86.94646 | 140.53136 | -0.69269 | 0.03261 |
| OS04G0652400 | 1348.91959 | 597.4706 | 1.1749 | 2.60E-09 |
| OS04G0652700 | 129.16389 | 643.44701 | -2.3166 | 3.80E-27 |
| OS04G0652900 | 80.18617 | 128.43268 | -0.67959 | 0.04489 |
| OS04G0653000 | 2034.24489 | 1122.09403 | 0.8583 | 0.00137 |
| OS04G0653400 | 1272.23429 | 639.44919 | 0.99246 | 7.79E-07 |

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| OS04G0655100 | 28.03318 | 62.98484 | -1.1679 | 0.00434 |
| OS04G0656100 | 8397.49731 | 17140.80761 | -1.0294 | 3.66E-08 |
| OS04G0656500 | 248.45415 | 121.7062 | 1.0296 | 0.00019 |
| OS04G0657300 | 973.42877 | 626.73287 | 0.63522 | 0.00541 |
| OS04G0657500 | 13319.25499 | 7205.54309 | 0.88633 | 2.92E-06 |
| OS04G0658300 | 764.1281 | 513.37452 | 0.5738 | 0.01429 |
| OS04G0659100 | 19587.05673 | 11183.8335 | 0.80849 | 0.01078 |
| OS04G0661600 | 272.32075 | 497.25551 | -0.86868 | 0.00018 |
| OS04G0662100 | 58.36812 | 100.79682 | -0.7882 | 0.03084 |
| OS04G0662700 | 3127.28913 | 2066.23657 | 0.59791 | 0.00455 |
| OS04G0663300 | 52.76949 | 91.2597 | -0.79027 | 0.03744 |
| OS04G0667100 | 33.24071 | 77.12541 | -1.2143 | 0.00325 |
| OS04G0667700 | 2673.96397 | 1487.53946 | 0.84605 | 1.90E-05 |
| OS04G0667900 | 62.55583 | 106.71791 | -0.77059 | 0.03487 |
| OS04G0668700 | 5718.11193 | 3719.55911 | 0.62041 | 0.00235 |
| OS04G0668800 | 442.47435 | 211.23417 | 1.0668 | 2.84E-06 |
| OS04G0669800 | 520.93296 | 927.48343 | -0.83222 | 0.02885 |
| OS04G0669900 | 219.77688 | 129.50414 | 0.76304 | 0.00445 |
| OS04G0672100 | 204.21924 | 300.32199 | -0.55639 | 0.04942 |
| OS04G0672300 | 38.22539 | 7.93816 | 2.2677 | 3.32E-05 |
| OS04G0673300 | 62.69122 | 153.78313 | -1.2946 | 8.83E-06 |
| OS04G0675000 | 463.04864 | 319.84045 | 0.53381 | 0.03974 |
| OS04G0675500 | 279.41579 | 460.86715 | -0.72194 | 0.00156 |
| OS04G0676100 | 429.341 | 293.28002 | 0.54985 | 0.0315 |
| OS04G0677066 | 60.59609 | 107.81418 | -0.83125 | 0.01873 |
| OS04G0677300 | 47.10713 | 16.80958 | 1.4867 | 0.03035 |
| OS04G0679400 | 21.82676 | 138.10432 | -2.6616 | 0.0019 |

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| OS04G0682000 | 539.81487 | 297.45371 | 0.8598 | 0.00014 |
| OS04G0682100 | 173.21981 | 360.30689 | -1.0566 | 5.07E-06 |
| OS04G0683700 | 62939.55324 | 25852.42845 | 1.2837 | 9.62E-06 |
| OS04G0685100 | 88.9363 | 143.78456 | -0.69306 | 0.03362 |
| OS04G0685300 | 743.90582 | 1047.321 | -0.49351 | 0.04871 |
| OS04G0685400 | 35.07024 | 124.03624 | -1.8224 | 2.04E-08 |
| OS04G0685900 | 322.98502 | 197.00777 | 0.71321 | 0.00471 |
| OS04G0686650 | 177.7421 | 267.89678 | -0.59189 | 0.03487 |
| OS04G0687800 | 78.33788 | 19.42567 | 2.0117 | 1.08E-07 |
| OS04G0688100 | 35.70299 | 1914.41841 | -5.7447 | 2.60E-71 |
| OS04G0688300 | 12.5104 | 80.60815 | -2.6878 | 5.59E-10 |
| OS04G0688500 | 2.43842 | 43.43201 | -4.1547 | 2.32E-10 |
| OS04G0688600 | 2.56248 | 38.45531 | -3.9076 | 8.86E-09 |
| OS04G0690800 | 51.15432 | 411.3893 | -3.0076 | 1.26E-34 |
| OS04G0691100 | 1023.9077 | 1578.76618 | -0.62471 | 0.00497 |
| OS04G0691400 | 18.25185 | 58.04171 | -1.669 | 0.00013 |
| OS04G0691900 | 324.81712 | 81.34536 | 1.9975 | 0.00057 |
| OS04G0692600 | 4039.96749 | 2338.77749 | 0.78859 | 6.64E-05 |
| OS04G0693000 | 429.21369 | 624.00391 | -0.53986 | 0.02427 |
| OS04G0693400 | 383.50309 | 137.86378 | 1.476 | 0.00841 |
| OS05G0100100 | 8.3077 | 25.29867 | -1.6065 | 0.01724 |
| OS05G0100800 | 839.16066 | 507.74297 | 0.72485 | 0.01354 |
| OS05G0101200 | 2297.79381 | 1507.15689 | 0.60842 | 0.00366 |
| OS05G0101400 | 1222.73527 | 879.99602 | 0.47454 | 0.0457 |
| OS05G0101600 | 220.82812 | 127.18995 | 0.79594 | 0.00318 |
| OS05G0101800 | 9.85147 | 1.43264 | 2.7817 | 0.0333 |
| OS05G0102000 | 2814.12119 | 27.47876 | 6.6782 | 2.13E-31 |

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| OS05G0102300 | 225.42952 | 116.51406 | 0.95217 | 0.00042 |
| OS05G0102400 | 104.46269 | 47.43968 | 1.1388 | 0.00061 |
| OS05G0102800 | 955.06652 | 515.51313 | 0.88959 | 2.53E-05 |
| OS05G0103200 | 1585.12824 | 898.63682 | 0.81879 | 0.02886 |
| OS05G0104800 | 85.47649 | 141.18557 | -0.72399 | 0.02617 |
| OS05G0105800 | 2700.7365 | 1857.29007 | 0.54015 | 0.01593 |
| OS05G0106200 | 100.94798 | 167.8681 | -0.73372 | 0.01917 |
| OS05G0107900 | 80.1863 | 30.08863 | 1.4141 | 0.00019 |
| OS05G0108100 | 996.31611 | 663.84527 | 0.58576 | 0.00935 |
| OS05G0110100 | 4131.89564 | 2898.56736 | 0.51146 | 0.02126 |
| OS05G0110800 | 903.70387 | 496.41212 | 0.86431 | 0.00015 |
| OS05G0112800 | 300.16817 | 92.70628 | 1.695 | 4.30E-05 |
| OS05G0113000 | 4427.93965 | 2623.65641 | 0.75506 | 0.00014 |
| OS05G0113300 | 1252.13967 | 776.90508 | 0.68859 | 0.00079 |
| OS05G0113400 | 1191.66858 | 769.90349 | 0.63023 | 0.00382 |
| OS05G0114000 | 32.60426 | 10.0771 | 1.694 | 0.00978 |
| OS05G0114500 | 22.41579 | 49.64334 | -1.1471 | 0.01308 |
| OS05G0115800 | 266.05665 | 462.73866 | -0.79846 | 0.00066 |
| OS05G0116100 | 526.89935 | 222.372 | 1.2446 | 9.52E-09 |
| OS05G0119200 | 496.27918 | 317.02105 | 0.64657 | 0.00567 |
| OS05G0120700 | 209.70436 | 550.17242 | -1.3915 | 2.65E-06 |
| OS05G0121600 | 10077.71355 | 5858.09941 | 0.78266 | 4.54E-05 |
| OS05G0122800 | 2071.08072 | 664.19205 | 1.6407 | 3.29E-18 |
| OS05G0125600 | 35.44117 | 77.68889 | -1.1323 | 0.00318 |
| OS05G0127200 | 226.68966 | 11.33554 | 4.3218 | 2.31E-05 |
| OS05G0127500 | 1121.61839 | 233.23929 | 2.2657 | 8.57E-19 |
| OS05G0128000 | 67.61565 | 26.21931 | 1.3667 | 0.00058 |

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|--------------|-------------|-------------|----------|----------|
| OS05G0128200 | 17193.65116 | 10831.77724 | 0.66661 | 0.03083 |
| OS05G0129800 | 699.74039 | 274.74013 | 1.3488 | 3.20E-06 |
| OS05G0134300 | 69.06916 | 118.6992 | -0.7812 | 0.02266 |
| OS05G0135400 | 0 | 20.32219 | | 1.61E-07 |
| OS05G0135450 | 0 | 28.63912 | | 1.47E-10 |
| OS05G0135900 | 796.69395 | 448.48293 | 0.82897 | 0.02758 |
| OS05G0137200 | 2208.519 | 1557.55324 | 0.5038 | 0.0301 |
| OS05G0137300 | 7343.72543 | 4868.67727 | 0.59298 | 0.00405 |
| OS05G0139100 | 251.23722 | 61.38453 | 2.0331 | 2.25E-13 |
| OS05G0140300 | 1236.32065 | 522.85863 | 1.2416 | 4.15E-09 |
| OS05G0141400 | 63.91788 | 116.18093 | -0.86208 | 0.0099 |
| OS05G0142000 | 151.09251 | 15.67656 | 3.2688 | 1.17E-09 |
| OS05G0142200 | 14.3975 | 0.80603 | 4.1588 | 0.00853 |
| OS05G0142400 | 22.05233 | 3.13708 | 2.8134 | 0.01329 |
| OS05G0143300 | 2045.47621 | 1314.51684 | 0.6379 | 0.00527 |
| OS05G0143500 | 1031.98968 | 679.42036 | 0.60305 | 0.00772 |
| OS05G0143800 | 10.32637 | 40.79006 | -1.9819 | 0.00024 |
| OS05G0144000 | 63.26878 | 116.15311 | -0.87646 | 0.0098 |
| OS05G0145300 | 6.7414 | 24.94922 | -1.8879 | 0.00627 |
| OS05G0147200 | 49.59557 | 84.98711 | -0.77703 | 0.04735 |
| OS05G0147400 | 134.57338 | 211.53791 | -0.65252 | 0.01976 |
| OS05G0148600 | 669.04554 | 366.78688 | 0.86716 | 8.32E-05 |
| OS05G0148700 | 5863.98222 | 4042.66723 | 0.53657 | 0.01274 |
| OS05G0149300 | 82.76236 | 368.42035 | -2.1543 | 1.60E-10 |
| OS05G0149500 | 336.36527 | 133.80187 | 1.3299 | 1.81E-05 |
| OS05G0150800 | 1260.37348 | 876.80361 | 0.52353 | 0.0239 |
| OS05G0150900 | 129.32433 | 254.51848 | -0.97678 | 0.00014 |

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|--------------|-------------|------------|----------|----------|
| OS05G0151300 | 4059.13719 | 2645.52383 | 0.61762 | 0.00219 |
| OS05G0151400 | 419.25594 | 599.48093 | -0.51588 | 0.03939 |
| OS05G0154600 | 1706.22712 | 1230.74975 | 0.47127 | 0.03963 |
| OS05G0155200 | 75.51974 | 29.5526 | 1.3536 | 0.00569 |
| OS05G0156500 | 219.27164 | 353.3939 | -0.68856 | 0.03341 |
| OS05G0158400 | 52.00767 | 94.47284 | -0.86118 | 0.02138 |
| OS05G0158500 | 94.07637 | 180.66629 | -0.94142 | 0.00448 |
| OS05G0159300 | 26.52568 | 4.45336 | 2.5744 | 0.0135 |
| OS05G0160200 | 694.01965 | 1013.5725 | -0.5464 | 0.01699 |
| OS05G0160300 | 52.05153 | 20.58091 | 1.3386 | 0.00295 |
| OS05G0161200 | 2148.48476 | 1454.96109 | 0.56234 | 0.00916 |
| OS05G0161500 | 38229.22954 | 4355.59468 | 3.1337 | 2.49E-23 |
| OS05G0165500 | 0.84707 | 13.65413 | -4.0107 | 0.00091 |
| OS05G0166300 | 15.76329 | 119.35734 | -2.9206 | 1.70E-16 |
| OS05G0168700 | 496.89196 | 711.01519 | -0.51695 | 0.02887 |
| OS05G0170800 | 2911.19756 | 1406.31211 | 1.0497 | 4.51E-08 |
| OS05G0170950 | 1768.64897 | 1062.90222 | 0.73464 | 0.00048 |
| OS05G0172100 | 90.05653 | 50.3588 | 0.83859 | 0.0234 |
| OS05G0176700 | 2203.62999 | 1141.13846 | 0.94941 | 1.04E-06 |
| OS05G0178600 | 605.2942 | 885.83923 | -0.54941 | 0.01736 |
| OS05G0181300 | 25.53451 | 71.16304 | -1.4787 | 0.00126 |
| OS05G0181700 | 68.40753 | 244.7169 | -1.8389 | 1.07E-08 |
| OS05G0182800 | 54.73929 | 99.06297 | -0.85577 | 0.01665 |
| OS05G0183100 | 209.11452 | 597.0548 | -1.5136 | 2.38E-08 |
| OS05G0184901 | 11.31876 | 1.91893 | 2.5603 | 0.02571 |
| OS05G0185800 | 2164.3063 | 1379.81189 | 0.64943 | 0.0025 |
| OS05G0186300 | 509.47814 | 171.51634 | 1.5707 | 2.92E-08 |

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|--------------|------------|------------|----------|----------|
| OS05G0188100 | 263.00638 | 589.91988 | -1.1654 | 0.00067 |
| OS05G0188300 | 11.61574 | 37.23874 | -1.6807 | 0.00286 |
| OS05G0191500 | 847.33036 | 57.39468 | 3.8839 | 5.72E-07 |
| OS05G0195101 | 42.91064 | 79.12122 | -0.88273 | 0.02162 |
| OS05G0196100 | 5198.51724 | 3191.49843 | 0.70387 | 0.00165 |
| OS05G0196400 | 68.56173 | 117.72954 | -0.78 | 0.04591 |
| OS05G0198200 | 1022.58626 | 308.38282 | 1.7294 | 4.86E-05 |
| OS05G0198400 | 245.01351 | 441.4933 | -0.84953 | 0.01495 |
| OS05G0200280 | 654.42318 | 367.04781 | 0.83426 | 0.00012 |
| OS05G0201700 | 4.90066 | 121.96366 | -4.6373 | 8.58E-28 |
| OS05G0202600 | 52.0427 | 15.59718 | 1.7384 | 0.00376 |
| OS05G0204600 | 2332.06438 | 1440.957 | 0.69458 | 0.00054 |
| OS05G0205050 | 83.721 | 165.44187 | -0.98266 | 0.00083 |
| OS05G0206800 | 24.93067 | 7.47945 | 1.7369 | 0.02244 |
| OS05G0207400 | 40.54608 | 84.3047 | -1.0561 | 0.00556 |
| OS05G0214300 | 128.52247 | 53.79228 | 1.2565 | 0.00627 |
| OS05G0215000 | 259.81544 | 105.33988 | 1.3024 | 0.0048 |
| OS05G0215300 | 266.84005 | 102.41864 | 1.3815 | 0.00426 |
| OS05G0215700 | 78.70762 | 310.79545 | -1.9814 | 6.42E-16 |
| OS05G0217700 | 223.29225 | 6.43709 | 5.1164 | 0.00157 |
| OS05G0222200 | 1084.84445 | 1595.91263 | -0.55689 | 0.012 |
| OS05G0223000 | 2265.13211 | 1049.1489 | 1.1104 | 3.52E-05 |
| OS05G0227600 | 2571.22448 | 397.03222 | 2.6951 | 0.00352 |
| OS05G0232200 | 1117.08691 | 637.49839 | 0.80925 | 0.00014 |
| OS05G0240200 | 230.8 | 424.14335 | -0.87791 | 0.00011 |
| OS05G0244500 | 573.40775 | 222.57356 | 1.3653 | 2.61E-10 |
| OS05G0253200 | 118.64961 | 216.10701 | -0.86504 | 0.00155 |

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|--------------|------------|------------|----------|----------|
| OS05G0256000 | 169.0022 | 296.4864 | -0.81092 | 0.00137 |
| OS05G0257100 | 148.70774 | 85.19656 | 0.80361 | 0.00982 |
| OS05G0261001 | 1.61517 | 63.82313 | -5.3043 | 0.00171 |
| OS05G0261700 | 20.43966 | 282.56789 | -3.7892 | 0.0002 |
| OS05G0267800 | 317.31031 | 142.91252 | 1.1508 | 8.80E-05 |
| OS05G0268500 | 364.72163 | 236.00249 | 0.62799 | 0.01267 |
| OS05G0270500 | 89.91486 | 0.85222 | 6.7212 | 2.23E-31 |
| OS05G0272800 | 16.8096 | 45.97354 | -1.4515 | 0.0032 |
| OS05G0274900 | 168.83153 | 283.83705 | -0.74948 | 0.00463 |
| OS05G0278500 | 6.7439 | 36.99168 | -2.4555 | 0.01021 |
| OS05G0287800 | 142.66039 | 379.54073 | -1.4117 | 2.75E-09 |
| OS05G0291700 | 6737.65779 | 4081.95976 | 0.72299 | 0.03021 |
| OS05G0296530 | 877.93467 | 507.54038 | 0.79059 | 0.01683 |
| OS05G0296750 | 55.90966 | 28.86087 | 0.95398 | 0.03793 |
| OS05G0301500 | 230.38275 | 419.14478 | -0.86342 | 0.00015 |
| OS05G0304600 | 2047.2142 | 1111.8672 | 0.88068 | 0.00319 |
| OS05G0305900 | 229.74089 | 361.85654 | -0.65541 | 0.01255 |
| OS05G0310500 | 213.67329 | 328.64215 | -0.62111 | 0.01667 |
| OS05G0311500 | 1297.08033 | 434.04051 | 1.5794 | 7.11E-05 |
| OS05G0316400 | 10.64211 | 2.02244 | 2.3956 | 0.04823 |
| OS05G0317900 | 1413.91922 | 424.85079 | 1.7347 | 0.00013 |
| OS05G0318600 | 114.88284 | 214.29267 | -0.89942 | 0.00124 |
| OS05G0318700 | 545.39793 | 1165.4589 | -1.0955 | 8.37E-08 |
| OS05G0320100 | 186.22298 | 117.65456 | 0.66247 | 0.0271 |
| OS05G0320700 | 2607.95229 | 1004.5385 | 1.3764 | 2.75E-13 |
| OS05G0320800 | 160.02277 | 85.85841 | 0.89825 | 0.00272 |
| OS05G0321600 | 105.43509 | 180.40569 | -0.77489 | 0.00877 |

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| OS05G0322900 | 1521.79992 | 257.39604 | 2.5637 | 3.88E-05 |
| OS05G0325200 | 62.8829 | 138.4119 | -1.1382 | 0.0021 |
| OS05G0332300 | 613.69916 | 370.85222 | 0.72669 | 0.03963 |
| OS05G0332801 | 242.94578 | 65.15539 | 1.8987 | 8.31E-14 |
| OS05G0342000 | 94.25405 | 53.40901 | 0.81947 | 0.01899 |
| OS05G0342900 | 83.74733 | 177.91698 | -1.0871 | 0.00561 |
| OS05G0343400 | 2762.93743 | 5377.92282 | -0.96085 | 0.01169 |
| OS05G0345400 | 98.4117 | 186.02603 | -0.9186 | 0.00127 |
| OS05G0345500 | 373.66473 | 708.24966 | -0.92251 | 1.40E-05 |
| OS05G0346300 | 112.55609 | 184.29839 | -0.7114 | 0.0135 |
| OS05G0349000 | 43.54708 | 78.17723 | -0.84417 | 0.03304 |
| OS05G0350500 | 148.54115 | 243.59923 | -0.71365 | 0.00793 |
| OS05G0355400 | 33.36604 | 226.44838 | -2.7627 | 9.46E-06 |
| OS05G0355500 | 226.20981 | 326.48541 | -0.52936 | 0.0486 |
| OS05G0357200 | 1208.99087 | 730.16695 | 0.72751 | 0.00057 |
| OS05G0358000 | 4954.32115 | 3159.98221 | 0.64877 | 0.00158 |
| OS05G0358400 | 390.79766 | 208.91763 | 0.90349 | 0.00013 |
| OS05G0358500 | 2735.9633 | 886.8508 | 1.6253 | 5.43E-05 |
| OS05G0359700 | 5.06981 | 23.75481 | -2.2282 | 0.00748 |
| OS05G0361700 | 0 | 22.56827 | | 2.69E-05 |
| OS05G0362100 | 24.33294 | 8.97342 | 1.4392 | 0.04005 |
| OS05G0362500 | 397.00298 | 255.97238 | 0.63316 | 0.01467 |
| OS05G0363200 | 1161.41024 | 1879.07358 | -0.69414 | 0.00116 |
| OS05G0364300 | 91.01004 | 185.70275 | -1.0289 | 0.00023 |
| OS05G0365000 | 4099.05576 | 2023.15621 | 1.0187 | 1.14E-07 |
| OS05G0365500 | 43.03214 | 95.69848 | -1.1531 | 0.00091 |
| OS05G0365600 | 5599.44625 | 2234.91162 | 1.3251 | 1.03E-12 |

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| OS05G0366600 | 4961.24187 | 3501.96396 | 0.50254 | 0.01896 |
| OS05G0367100 | 31.34877 | 71.26685 | -1.1848 | 0.00251 |
| OS05G0368000 | 149.83845 | 0.79491 | 7.5584 | 5.43E-11 |
| OS05G0370700 | 2.31186 | 43.94732 | -4.2486 | 9.93E-07 |
| OS05G0373700 | 212.40991 | 353.25149 | -0.73384 | 0.00304 |
| OS05G0380200 | 4.97585 | 49.16045 | -3.3045 | 2.19E-09 |
| OS05G0380300 | 46.2737 | 234.25598 | -2.3398 | 3.98E-10 |
| OS05G0382600 | 513.55388 | 77.15213 | 2.7347 | 0.00011 |
| OS05G0382900 | 425.70701 | 105.11073 | 2.018 | 6.65E-08 |
| OS05G0383200 | 223.76891 | 82.29848 | 1.4431 | 2.40E-08 |
| OS05G0384300 | 7.14982 | 161.83158 | -4.5004 | 3.97E-30 |
| OS05G0384600 | 3.85562 | 19.97811 | -2.3734 | 0.00477 |
| OS05G0387200 | 572.83147 | 370.70421 | 0.62784 | 0.00649 |
| OS05G0388400 | 194.56686 | 113.94509 | 0.77193 | 0.00841 |
| OS05G0388500 | 2491.86614 | 1618.39951 | 0.62266 | 0.03567 |
| OS05G0388600 | 1447.05601 | 929.43882 | 0.63869 | 0.00315 |
| OS05G0389000 | 89.04037 | 46.94022 | 0.92363 | 0.03119 |
| OS05G0389400 | 659.4735 | 333.38334 | 0.98413 | 4.16E-06 |
| OS05G0390100 | 1167.01164 | 693.31226 | 0.75124 | 0.00043 |
| OS05G0390300 | 837.46256 | 155.04739 | 2.4333 | 9.49E-13 |
| OS05G0390800 | 838.74502 | 395.98094 | 1.0828 | 0.0262 |
| OS05G0394900 | 138.46802 | 84.3482 | 0.71512 | 0.03291 |
| OS05G0395000 | 369.70999 | 129.99523 | 1.5079 | 1.16E-06 |
| OS05G0397300 | 2519.62802 | 1754.66269 | 0.52202 | 0.01768 |
| OS05G0398800 | 6.60601 | 229.28785 | -5.1172 | 2.62E-47 |
| OS05G0399100 | 1914.13219 | 1171.35491 | 0.70851 | 0.00074 |
| OS05G0401100 | 2650.79056 | 1403.85984 | 0.91702 | 0.00444 |

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| OS05G0403600 | 5.07736 | 26.82006 | -2.4012 | 0.00045 |
| OS05G0404200 | 2037.1187 | 1408.11017 | 0.53277 | 0.01336 |
| OS05G0405000 | 27294.68583 | 10709.96314 | 1.3497 | 9.78E-14 |
| OS05G0406000 | 1956.20404 | 1279.94091 | 0.61198 | 0.00459 |
| OS05G0406100 | 61.79766 | 26.81297 | 1.2046 | 0.01234 |
| OS05G0406150 | 213.41495 | 85.22303 | 1.3243 | 8.16E-07 |
| OS05G0406800 | 28.26375 | 3.55684 | 2.9903 | 6.66E-06 |
| OS05G0408200 | 2206.89635 | 1539.14912 | 0.51989 | 0.01789 |
| OS05G0409500 | 4491.62086 | 2395.35743 | 0.907 | 2.10E-06 |
| OS05G0410200 | 31.88248 | 12.22512 | 1.3829 | 0.01742 |
| OS05G0413400 | 88.86732 | 47.60783 | 0.90045 | 0.01846 |
| OS05G0414200 | 154.31278 | 248.17543 | -0.6855 | 0.01371 |
| OS05G0417100 | 21.13257 | 50.07611 | -1.2447 | 0.00937 |
| OS05G0417200 | 85.78871 | 156.18909 | -0.86443 | 0.00438 |
| OS05G0417300 | 24.30912 | 60.74421 | -1.3212 | 0.00302 |
| OS05G0417600 | 31.57179 | 201.21946 | -2.6721 | 1.11E-16 |
| OS05G0417900 | 0 | 7.80857 | | 0.00727 |
| OS05G0419000 | 3165.07339 | 2170.69553 | 0.54408 | 0.00916 |
| OS05G0419200 | 6003.8707 | 4150.90297 | 0.53247 | 0.01448 |
| OS05G0420000 | 53.00011 | 129.79361 | -1.2922 | 0.00263 |
| OS05G0420200 | 480.11131 | 317.67448 | 0.59582 | 0.01477 |
| OS05G0421900 | 469.74917 | 1723.1964 | -1.8751 | 1.64E-06 |
| OS05G0425700 | 1374.91153 | 946.87551 | 0.53809 | 0.01716 |
| OS05G0426200 | 1341.44731 | 2673.79997 | -0.9951 | 2.43E-07 |
| OS05G0427100 | 578.2071 | 1127.06257 | -0.96291 | 2.97E-06 |
| OS05G0428700 | 2037.18253 | 691.60734 | 1.5586 | 2.51E-16 |
| OS05G0429400 | 305.52267 | 785.05337 | -1.3615 | 1.91E-05 |

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| OS05G0429900 | 15.425 | 68.38447 | -2.1484 | 5.70E-07 |
| OS05G0430300 | 345.00882 | 726.15503 | -1.0736 | 2.73E-07 |
| OS05G0430800 | 40.48593 | 175.79671 | -2.1184 | 1.63E-07 |
| OS05G0432700 | 1549.86093 | 1026.2882 | 0.5947 | 0.00597 |
| OS05G0437401 | 8.25884 | 34.13674 | -2.0473 | 0.00054 |
| OS05G0439400 | 814.15495 | 1277.96708 | -0.65048 | 0.00382 |
| OS05G0440466 | 18.88341 | 6.06905 | 1.6376 | 0.04303 |
| OS05G0444200 | 131.17121 | 44.0107 | 1.5755 | 0.02028 |
| OS05G0448700 | 102.52172 | 162.92558 | -0.66828 | 0.03581 |
| OS05G0451100 | 100.15343 | 179.16901 | -0.83911 | 0.00423 |
| OS05G0451300 | 12.14079 | 315.75166 | -4.7009 | 3.57E-34 |
| OS05G0452800 | 52.82706 | 11.69452 | 2.1754 | 0.04173 |
| OS05G0452900 | 437.77413 | 745.76717 | -0.76854 | 0.00048 |
| OS05G0459600 | 91.9373 | 40.61309 | 1.1787 | 0.00087 |
| OS05G0459900 | 862.40052 | 1209.65384 | -0.48816 | 0.03345 |
| OS05G0460000 | 1070.96296 | 703.18191 | 0.60694 | 0.00541 |
| OS05G0460600 | 259.02703 | 163.40311 | 0.66467 | 0.03538 |
| OS05G0461600 | 222.7127 | 96.97448 | 1.1995 | 0.00037 |
| OS05G0463300 | 43.91547 | 15.77833 | 1.4768 | 0.0031 |
| OS05G0464350 | 22.18772 | 5.78439 | 1.9395 | 0.00863 |
| OS05G0466600 | 169.41941 | 255.80536 | -0.59445 | 0.03798 |
| OS05G0468900 | 99.23871 | 311.4391 | -1.65 | 2.73E-07 |
| OS05G0473401 | 41.0108 | 4.61244 | 3.1524 | 0.03291 |
| OS05G0473500 | 839.2059 | 1434.32112 | -0.77327 | 0.00028 |
| OS05G0475300 | 294.83067 | 601.10712 | -1.0277 | 2.82E-06 |
| OS05G0475700 | 2069.99207 | 553.49042 | 1.903 | 0.00853 |
| OS05G0477300 | 732.22119 | 1215.83981 | -0.7316 | 0.00064 |

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|--------------|------------|------------|----------|----------|
| OS05G0477900 | 477.8173 | 97.81157 | 2.2884 | 1.77E-05 |
| OS05G0479025 | 76.10871 | 10.40606 | 2.8706 | 1.54E-09 |
| OS05G0479475 | 17.85842 | 40.78794 | -1.1915 | 0.029 |
| OS05G0479900 | 89.57139 | 160.02372 | -0.83718 | 0.00567 |
| OS05G0480000 | 3944.43774 | 2112.90987 | 0.90059 | 1.80E-06 |
| OS05G0480500 | 57.80431 | 111.11586 | -0.94282 | 0.00467 |
| OS05G0481100 | 370.4197 | 1167.33889 | -1.656 | 2.37E-16 |
| OS05G0482400 | 459.00599 | 196.29214 | 1.2255 | 1.79E-07 |
| OS05G0486100 | 33.13682 | 152.24024 | -2.1998 | 1.09E-12 |
| OS05G0486200 | 133.79034 | 228.03652 | -0.76929 | 0.00374 |
| OS05G0488600 | 359.19222 | 130.03953 | 1.4658 | 3.86E-10 |
| OS05G0489100 | 40.92818 | 106.66083 | -1.3819 | 3.80E-05 |
| OS05G0489200 | 1316.45061 | 654.53951 | 1.0081 | 0.00786 |
| OS05G0490000 | 70.31594 | 148.71523 | -1.0806 | 0.00032 |
| OS05G0490500 | 55.84457 | 25.36134 | 1.1388 | 0.01347 |
| OS05G0491000 | 37.08767 | 99.4676 | -1.4233 | 3.36E-05 |
| OS05G0493166 | 85.70333 | 19.66791 | 2.1235 | 1.31E-08 |
| OS05G0494500 | 437.00356 | 919.81279 | -1.0737 | 1.82E-07 |
| OS05G0495900 | 724.14558 | 221.50551 | 1.7089 | 4.34E-11 |
| OS05G0496000 | 48.75984 | 84.71161 | -0.79687 | 0.04636 |
| OS05G0496100 | 71.68793 | 26.27678 | 1.4479 | 0.00303 |
| OS05G0497200 | 167.89954 | 43.46182 | 1.9498 | 4.25E-08 |
| OS05G0497675 | 102.12956 | 44.74618 | 1.1906 | 0.00042 |
| OS05G0498900 | 944.17115 | 585.39191 | 0.68965 | 0.00169 |
| OS05G0499600 | 11.51045 | 33.53236 | -1.5426 | 0.0105 |
| OS05G0502500 | 1402.16525 | 866.77412 | 0.69393 | 0.00091 |
| OS05G0502800 | 33.71456 | 68.14262 | -1.0152 | 0.01013 |

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| OS05G0508400 | 689.83268 | 203.86207 | 1.7587 | 0.0029 |
| OS05G0508500 | 1172.36864 | 836.39615 | 0.48717 | 0.04359 |
| OS05G0509300 | 61.51712 | 116.25951 | -0.91829 | 0.00446 |
| OS05G0510100 | 4803.88995 | 2252.57376 | 1.0926 | 3.73E-09 |
| OS05G0512200 | 2700.07855 | 1711.68584 | 0.65758 | 0.00124 |
| OS05G0513100 | 673.62508 | 278.3794 | 1.2749 | 9.75E-10 |
| OS05G0515200 | 950.90117 | 410.79452 | 1.2109 | 5.70E-05 |
| OS05G0516600 | 1417.12647 | 984.30184 | 0.5258 | 0.02312 |
| OS05G0517500 | 335.77483 | 223.06004 | 0.59006 | 0.03617 |
| OS05G0517800 | 60.78034 | 106.45375 | -0.80855 | 0.02433 |
| OS05G0519200 | 757.23252 | 1121.88932 | -0.56712 | 0.01284 |
| OS05G0519300 | 1521.99796 | 809.37447 | 0.91109 | 6.57E-06 |
| OS05G0519500 | 33.10676 | 96.4602 | -1.5428 | 7.52E-06 |
| OS05G0519900 | 495.73528 | 700.7272 | -0.49928 | 0.03493 |
| OS05G0521900 | 47.93769 | 16.70434 | 1.5209 | 0.01088 |
| OS05G0522600 | 753.81561 | 1206.4203 | -0.67845 | 0.00242 |
| OS05G0524100 | 585.20752 | 346.70916 | 0.75522 | 0.00083 |
| OS05G0524400 | 146.39478 | 264.64667 | -0.8542 | 0.00081 |
| OS05G0526700 | 208.46444 | 59.36209 | 1.8122 | 5.59E-12 |
| OS05G0527900 | 74.06258 | 22.97503 | 1.6887 | 0.00584 |
| OS05G0531000 | 389.19452 | 197.90048 | 0.97572 | 0.03835 |
| OS05G0533100 | 1518.22389 | 2499.65868 | -0.71935 | 0.00051 |
| OS05G0533500 | 4160.86638 | 2116.37098 | 0.97529 | 2.60E-07 |
| OS05G0533700 | 1366.09777 | 963.85763 | 0.50317 | 0.02586 |
| OS05G0534100 | 265.2786 | 123.95142 | 1.0977 | 1.55E-05 |
| OS05G0534400 | 290.21322 | 158.82511 | 0.86967 | 0.00263 |
| OS05G0537100 | 812.62342 | 270.97704 | 1.5844 | 3.02E-15 |

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| OS05G0537400 | 1113.49235 | 762.76212 | 0.54579 | 0.01564 |
| OS05G0539600 | 59.0511 | 157.18645 | -1.4124 | 0.00057 |
| OS05G0540000 | 210.35893 | 399.14889 | -0.92407 | 0.0001 |
| OS05G0541000 | 11.61952 | 2.07975 | 2.4821 | 0.02455 |
| OS05G0541200 | 495.29801 | 255.50258 | 0.95496 | 1.91E-05 |
| OS05G0542200 | 1124.02935 | 579.72775 | 0.95523 | 2.20E-06 |
| OS05G0542300 | 2.81059 | 21.7583 | -2.9526 | 0.00026 |
| OS05G0542732 | 129.70418 | 307.04046 | -1.2432 | 1.98E-06 |
| OS05G0542800 | 9.17732 | 25.08394 | -1.4506 | 0.03878 |
| OS05G0543700 | 1031.12014 | 740.13589 | 0.47835 | 0.04993 |
| OS05G0546300 | 2464.35044 | 741.41864 | 1.7328 | 1.99E-09 |
| OS05G0547800 | 22.95327 | 48.06819 | -1.0664 | 0.04118 |
| OS05G0549100 | 1643.20535 | 849.27143 | 0.95222 | 3.71E-06 |
| OS05G0549700 | 140.2996 | 279.46252 | -0.99414 | 0.01051 |
| OS05G0549900 | 24.42312 | 97.66313 | -1.9996 | 1.48E-08 |
| OS05G0552100 | 674.02361 | 467.88874 | 0.52663 | 0.03987 |
| OS05G0552300 | 295.91338 | 449.60417 | -0.60348 | 0.01319 |
| OS05G0553400 | 91.07758 | 427.57183 | -2.231 | 7.55E-22 |
| OS05G0555300 | 1475.94097 | 962.07058 | 0.61742 | 0.00451 |
| OS05G0555700 | 72.01628 | 204.18434 | -1.5035 | 1.25E-08 |
| OS05G0555900 | 11.69093 | 29.89077 | -1.3543 | 0.03246 |
| OS05G0556900 | 162.7268 | 301.53612 | -0.88988 | 0.00034 |
| OS05G0557000 | 150.54475 | 228.65051 | -0.60295 | 0.0312 |
| OS05G0558000 | 86.8762 | 199.89599 | -1.2022 | 8.69E-06 |
| OS05G0560400 | 113.93206 | 66.21809 | 0.78288 | 0.02329 |
| OS05G0560900 | 0 | 7.68473 | | 0.0135 |
| OS05G0561600 | 5621.63345 | 2993.52405 | 0.90914 | 2.19E-06 |

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| OS05G0561700 | 58.43583 | 26.14703 | 1.1602 | 0.0057 |
| OS05G0563900 | 69.58172 | 38.49251 | 0.85413 | 0.0399 |
| OS05G0566400 | 902.06377 | 404.60915 | 1.1567 | 1.09E-06 |
| OS05G0566800 | 80.58351 | 34.99298 | 1.2034 | 0.00126 |
| OS05G0567400 | 99.58712 | 246.48392 | -1.3075 | 2.07E-07 |
| OS05G0568600 | 561.53846 | 128.83756 | 2.1238 | 1.70E-14 |
| OS05G0568800 | 608.05424 | 224.79814 | 1.4356 | 7.17E-06 |
| OS05G0570900 | 12.43649 | 2.20359 | 2.4967 | 0.02349 |
| OS05G0571000 | 2541.63606 | 1832.27821 | 0.47212 | 0.04075 |
| OS05G0571100 | 67.24731 | 112.68541 | -0.74475 | 0.03505 |
| OS05G0573700 | 2214.62018 | 1598.83524 | 0.47004 | 0.04359 |
| OS05G0574400 | 2119.06962 | 732.37929 | 1.5328 | 7.02E-07 |
| OS05G0574600 | 43.04331 | 18.54184 | 1.215 | 0.01768 |
| OS05G0574800 | 7.45686 | 21.35919 | -1.5182 | 0.04823 |
| OS05G0576500 | 45.6285 | 311.43573 | -2.7709 | 1.86E-11 |
| OS05G0576600 | 446.09936 | 163.90722 | 1.4445 | 5.99E-11 |
| OS05G0576800 | 49.40766 | 85.25773 | -0.7871 | 0.04405 |
| OS05G0577500 | 5.0285 | 22.3887 | -2.1546 | 0.00551 |
| OS05G0578100 | 1084.12232 | 499.48745 | 1.118 | 2.62E-08 |
| OS05G0579500 | 357.03511 | 186.31902 | 0.93829 | 0.01749 |
| OS05G0579900 | 1895.54547 | 1288.031 | 0.55745 | 0.01187 |
| OS05G0580200 | 9.99301 | 30.0292 | -1.5874 | 0.01213 |
| OS05G0582000 | 1207.10939 | 446.24234 | 1.4357 | 7.12E-09 |
| OS05G0582300 | 2646.41705 | 1304.64067 | 1.0204 | 1.17E-07 |
| OS05G0582350 | 819.03642 | 403.51519 | 1.0213 | 1.26E-06 |
| OS05G0582500 | 74.20179 | 30.75048 | 1.2708 | 0.0252 |
| OS05G0582800 | 597.1291 | 424.34797 | 0.4928 | 0.04769 |

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| OS05G0584600 | 82.29757 | 42.19542 | 0.96376 | 0.01186 |
| OS05G0585800 | 66.72104 | 28.42842 | 1.2308 | 0.00255 |
| OS05G0585900 | 14360.78925 | 8585.92464 | 0.74209 | 0.00014 |
| OS05G0586050 | 3371.90513 | 1760.96105 | 0.9372 | 8.79E-07 |
| OS05G0586200 | 1905.5346 | 1098.85475 | 0.7942 | 9.15E-05 |
| OS05G0586300 | 183.28303 | 97.38826 | 0.91225 | 0.00095 |
| OS05G0586600 | 16487.25933 | 9633.33454 | 0.77524 | 5.44E-05 |
| OS05G0589600 | 496.37422 | 738.89727 | -0.57395 | 0.01392 |
| OS05G0589700 | 126.95987 | 74.54305 | 0.76823 | 0.03813 |
| OS05G0591900 | 139.3063 | 281.1228 | -1.0129 | 6.45E-05 |
| OS05G0592100 | 2065.55858 | 1455.36508 | 0.50515 | 0.02105 |
| OS05G0592300 | 15.37491 | 55.00624 | -1.839 | 3.55E-05 |
| OS05G0592800 | 1484.45832 | 944.49432 | 0.65232 | 0.00233 |
| OS05G0594200 | 10.275 | 34.4843 | -1.7468 | 0.00221 |
| OS05G0594700 | 1081.56705 | 674.06411 | 0.68217 | 0.00181 |
| OS05G0596500 | 5.42193 | 21.61239 | -1.995 | 0.01071 |
| OS05G0596600 | 168.20167 | 254.43894 | -0.59713 | 0.02768 |
| OS05G0597100 | 100.27626 | 197.73054 | -0.97956 | 0.00031 |
| OS06G0101100 | 63.438 | 120.32726 | -0.92354 | 0.00633 |
| OS06G0101600 | 24827.55527 | 14416.08876 | 0.78426 | 0.03097 |
| OS06G0102100 | 3105.94648 | 419.053 | 2.8898 | 0.03083 |
| OS06G0103400 | 85.29979 | 157.47007 | -0.88446 | 0.00404 |
| OS06G0103800 | 1052.39208 | 643.63547 | 0.70936 | 0.00117 |
| OS06G0105800 | 1348.86768 | 929.61808 | 0.53704 | 0.02002 |
| OS06G0107100 | 310.55063 | 92.4549 | 1.748 | 0.02822 |
| OS06G0108500 | 260.32134 | 14.68749 | 4.1476 | 3.16E-17 |
| OS06G0108900 | 2305.96146 | 1330.29469 | 0.79362 | 8.64E-05 |

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| OS06G0109500 | 59.07232 | 22.10428 | 1.4182 | 0.00086 |
| OS06G0110000 | 398.74144 | 1100.06075 | -1.4641 | 5.96E-09 |
| OS06G0111400 | 740.57047 | 1113.14349 | -0.58793 | 0.00902 |
| OS06G0111700 | 48.64449 | 116.64288 | -1.2618 | 0.0001 |
| OS06G0111800 | 242.84274 | 500.7145 | -1.044 | 3.13E-06 |
| OS06G0114366 | 22.1965 | 46.6797 | -1.0725 | 0.03926 |
| OS06G0114400 | 163.64688 | 39.07293 | 2.0663 | 4.78E-06 |
| OS06G0114500 | 299.04564 | 153.51898 | 0.96195 | 0.00013 |
| OS06G0115200 | 61.24519 | 149.30103 | -1.2856 | 0.00011 |
| OS06G0115300 | 565.33217 | 318.79877 | 0.82645 | 0.00024 |
| OS06G0116500 | 1249.6205 | 851.9754 | 0.55261 | 0.01384 |
| OS06G0116600 | 98.53698 | 181.16675 | -0.87858 | 0.00229 |
| OS06G0116900 | 76.16654 | 4.47559 | 4.089 | 5.23E-07 |
| OS06G0118600 | 205.62248 | 91.21343 | 1.1727 | 7.09E-06 |
| OS06G0118700 | 368.37944 | 25.80696 | 3.8354 | 3.42E-23 |
| OS06G0119100 | 123.67548 | 41.20446 | 1.5857 | 0.00502 |
| OS06G0119300 | 16.3071 | 3.09089 | 2.3994 | 0.03786 |
| OS06G0119800 | 268.18459 | 115.33818 | 1.2174 | 4.98E-07 |
| OS06G0119900 | 139.79114 | 37.26113 | 1.9075 | 1.76E-10 |
| OS06G0120200 | 438.77191 | 106.07591 | 2.0484 | 8.68E-20 |
| OS06G0125800 | 168.40839 | 80.1001 | 1.0721 | 0.02271 |
| OS06G0127200 | 35.40114 | 66.83382 | -0.91678 | 0.02122 |
| OS06G0128600 | 158.26741 | 253.56886 | -0.68001 | 0.03142 |
| OS06G0128700 | 680.4396 | 1060.91651 | -0.64077 | 0.02296 |
| OS06G0129100 | 85.39387 | 414.99685 | -2.2809 | 5.22E-15 |
| OS06G0129800 | 21.48847 | 57.02308 | -1.408 | 0.00171 |
| OS06G0129900 | 1939.68087 | 818.08488 | 1.2455 | 1.08E-10 |

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| OS06G0130800 | 3676.36595 | 5260.94595 | -0.51704 | 0.01801 |
| OS06G0131100 | 50.75583 | 92.22124 | -0.86153 | 0.0196 |
| OS06G0131400 | 714.44273 | 412.2599 | 0.79326 | 0.00067 |
| OS06G0133800 | 24400.74834 | 14113.78209 | 0.78982 | 4.86E-05 |
| OS06G0136000 | 149.98458 | 227.75004 | -0.60264 | 0.04254 |
| OS06G0137500 | 103.99046 | 187.00563 | -0.84663 | 0.00244 |
| OS06G0139200 | 15.62047 | 60.59262 | -1.9557 | 9.94E-06 |
| OS06G0139800 | 92.87455 | 52.66037 | 0.81857 | 0.02949 |
| OS06G0140200 | 23.41196 | 51.12407 | -1.1268 | 0.0156 |
| OS06G0140800 | 545.43883 | 804.38254 | -0.56046 | 0.02014 |
| OS06G0141166 | 381.25456 | 234.30327 | 0.70238 | 0.00423 |
| OS06G0142700 | 114.88672 | 213.32648 | -0.89285 | 0.00088 |
| OS06G0143400 | 768.36763 | 302.20259 | 1.3463 | 5.99E-11 |
| OS06G0145600 | 7.68115 | 29.0771 | -1.9205 | 0.00325 |
| OS06G0146300 | 2213.18423 | 1582.24745 | 0.48415 | 0.0315 |
| OS06G0147000 | 78.33533 | 23.57562 | 1.7324 | 7.74E-06 |
| OS06G0149900 | 763.53965 | 493.96856 | 0.62828 | 0.01249 |
| OS06G0152700 | 351.11494 | 180.06417 | 0.96343 | 7.26E-05 |
| OS06G0154500 | 649.26114 | 432.49834 | 0.5861 | 0.01491 |
| OS06G0155500 | 558.7483 | 326.71362 | 0.77417 | 0.00065 |
| OS06G0155600 | 787.63473 | 562.34697 | 0.48607 | 0.04457 |
| OS06G0158300 | 160.88126 | 255.29266 | -0.66616 | 0.01584 |
| OS06G0158600 | 73.82827 | 122.27198 | -0.72785 | 0.03643 |
| OS06G0158900 | 444.39017 | 204.64294 | 1.1187 | 0.00901 |
| OS06G0159400 | 1.58885 | 15.5286 | -3.2889 | 0.00153 |
| OS06G0160700 | 1312.35139 | 436.72211 | 1.5874 | 5.05E-13 |
| OS06G0164100 | 144.21685 | 233.89933 | -0.69765 | 0.01261 |

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| OS06G0164400 | 324.66553 | 214.46784 | 0.59819 | 0.02326 |
| OS06G0164600 | 120.78253 | 56.18441 | 1.1042 | 0.00163 |
| OS06G0165500 | 1068.70831 | 391.77894 | 1.4478 | 1.07E-10 |
| OS06G0167200 | 42.41059 | 15.55462 | 1.4471 | 0.00286 |
| OS06G0167400 | 1224.75676 | 548.0773 | 1.16 | 5.31E-09 |
| OS06G0168500 | 110.25679 | 380.09093 | -1.7855 | 9.54E-15 |
| OS06G0172200 | 1588.21185 | 1114.75858 | 0.51067 | 0.02309 |
| OS06G0179200 | 120.35008 | 64.31027 | 0.90412 | 0.00687 |
| OS06G0182100 | 134.29636 | 67.79901 | 0.98608 | 0.001 |
| OS06G0185900 | 1795.8411 | 962.32638 | 0.90006 | 5.04E-06 |
| OS06G0185966 | 69.26963 | 29.01632 | 1.2554 | 0.00148 |
| OS06G0186400 | 466.6696 | 292.23696 | 0.67526 | 0.00503 |
| OS06G0186900 | 93.76671 | 160.87941 | -0.77883 | 0.00949 |
| OS06G0187500 | 83.05196 | 139.9555 | -0.75288 | 0.0147 |
| OS06G0188550 | 98.3228 | 162.68167 | -0.72645 | 0.01584 |
| OS06G0188600 | 78.14496 | 127.06958 | -0.70139 | 0.04094 |
| OS06G0191300 | 581.22041 | 378.51783 | 0.61872 | 0.00867 |
| OS06G0192800 | 59.49208 | 137.33613 | -1.2069 | 0.00179 |
| OS06G0192900 | 477.36535 | 314.98882 | 0.59979 | 0.017 |
| OS06G0195800 | 15.59542 | 66.44489 | -2.091 | 0.00043 |
| OS06G0196200 | 121.24724 | 36.04677 | 1.75 | 1.51E-08 |
| OS06G0196900 | 282.34026 | 459.79122 | -0.70354 | 0.00358 |
| OS06G0199300 | 1501.79694 | 768.66043 | 0.96627 | 1.04E-06 |
| OS06G0199400 | 3755.23846 | 1813.54696 | 1.0501 | 1.68E-08 |
| OS06G0199700 | 31.63186 | 12.48391 | 1.3413 | 0.02737 |
| OS06G0200350 | 10.16593 | 40.1506 | -1.9817 | 0.00021 |
| OS06G0202300 | 37.47988 | 75.56839 | -1.0117 | 0.00828 |

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|--------------|------------|------------|----------|----------|
| OS06G0202400 | 102.27608 | 253.20347 | -1.3078 | 1.54E-07 |
| OS06G0204400 | 1171.58906 | 582.83429 | 1.0073 | 6.98E-07 |
| OS06G0205600 | 457.18788 | 219.38968 | 1.0593 | 1.51E-06 |
| OS06G0206900 | 160.55048 | 70.57765 | 1.1857 | 0.00837 |
| OS06G0207000 | 202.25454 | 122.0094 | 0.72918 | 0.04254 |
| OS06G0210400 | 28.78124 | 103.16122 | -1.8417 | 9.38E-08 |
| OS06G0210500 | 124.2533 | 315.3666 | -1.3437 | 1.88E-08 |
| OS06G0214800 | 619.3467 | 234.40068 | 1.4018 | 2.13E-11 |
| OS06G0214850 | 559.43666 | 299.21365 | 0.9028 | 0.02019 |
| OS06G0216700 | 297.65073 | 126.67526 | 1.2325 | 0.00433 |
| OS06G0216800 | 28.25998 | 58.36892 | -1.0464 | 0.01756 |
| OS06G0217600 | 793.03909 | 533.53432 | 0.57181 | 0.01491 |
| OS06G0218300 | 420.82462 | 264.65888 | 0.66909 | 0.00547 |
| OS06G0218900 | 5.64622 | 156.41407 | -4.7919 | 4.56E-18 |
| OS06G0219700 | 416.4349 | 283.71745 | 0.55364 | 0.02573 |
| OS06G0220800 | 151.78783 | 260.30746 | -0.77816 | 0.00356 |
| OS06G0222400 | 308.75433 | 183.44035 | 0.75115 | 0.00348 |
| OS06G0223700 | 445.80564 | 207.78021 | 1.1014 | 0.00258 |
| OS06G0224200 | 28.50431 | 67.36608 | -1.2408 | 0.00238 |
| OS06G0225400 | 136.91305 | 213.2229 | -0.6391 | 0.0299 |
| OS06G0228200 | 1659.01497 | 821.08996 | 1.0147 | 0.00263 |
| OS06G0230000 | 91.3132 | 5.22431 | 4.1275 | 2.65E-13 |
| OS06G0230100 | 82.06444 | 7.74952 | 3.4046 | 2.04E-15 |
| OS06G0231300 | 100.65093 | 159.54696 | -0.66462 | 0.0322 |
| OS06G0232000 | 2996.04627 | 2115.08804 | 0.50234 | 0.02093 |
| OS06G0232400 | 2.38705 | 12.63361 | -2.404 | 0.03002 |
| OS06G0232800 | 48.22851 | 91.23037 | -0.91963 | 0.01172 |

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|--------------|------------|------------|----------|----------|
| OS06G0233000 | 112.58117 | 50.34178 | 1.1611 | 0.00038 |
| OS06G0233800 | 510.8192 | 312.64384 | 0.70829 | 0.03453 |
| OS06G0234200 | 46.81891 | 14.77066 | 1.6644 | 0.01113 |
| OS06G0235500 | 21.47098 | 1.97624 | 3.4416 | 3.24E-05 |
| OS06G0236300 | 186.23649 | 94.21051 | 0.98318 | 0.00034 |
| OS06G0241100 | 45.56838 | 6.35007 | 2.8432 | 0.02298 |
| OS06G0242900 | 97.54064 | 6.204 | 3.9747 | 1.11E-06 |
| OS06G0243100 | 15.36985 | 3.91914 | 1.9715 | 0.03289 |
| OS06G0244100 | 70.85355 | 119.18534 | -0.75029 | 0.03485 |
| OS06G0245700 | 80.91547 | 212.46163 | -1.3927 | 1.59E-07 |
| OS06G0245800 | 3658.53349 | 2589.00574 | 0.49887 | 0.02255 |
| OS06G0246500 | 68.15573 | 32.19037 | 1.0822 | 0.0077 |
| OS06G0247900 | 93.55243 | 49.67851 | 0.91315 | 0.0083 |
| OS06G0250600 | 756.16386 | 419.82878 | 0.8489 | 0.00038 |
| OS06G0254300 | 858.42928 | 562.40314 | 0.61009 | 0.00802 |
| OS06G0254600 | 20.86319 | 3.53099 | 2.5628 | 0.00125 |
| OS06G0255001 | 85.85251 | 38.78812 | 1.1462 | 0.00142 |
| OS06G0255100 | 118.41534 | 66.98406 | 0.82197 | 0.01603 |
| OS06G0256500 | 865.9987 | 292.32295 | 1.5668 | 4.75E-12 |
| OS06G0262800 | 455.41794 | 186.81824 | 1.2856 | 0.00016 |
| OS06G0263801 | 59.29288 | 124.91485 | -1.075 | 0.00811 |
| OS06G0267200 | 66.98536 | 111.75902 | -0.73847 | 0.03741 |
| OS06G0268500 | 30.54301 | 92.01259 | -1.591 | 6.71E-06 |
| OS06G0269300 | 81.65487 | 136.81931 | -0.74466 | 0.02561 |
| OS06G0271900 | 69.21953 | 117.37164 | -0.76183 | 0.02636 |
| OS06G0272700 | 15.06282 | 48.02933 | -1.6729 | 0.00062 |
| OS06G0273300 | 17.41234 | 3.64734 | 2.2552 | 0.00882 |

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| OS06G0274100 | 47.5381 | 82.49351 | -0.7952 | 0.04415 |
| OS06G0274500 | 499.05167 | 817.45234 | -0.71195 | 0.00124 |
| OS06G0275500 | 5.86045 | 20.38486 | -1.7984 | 0.02557 |
| OS06G0275800 | 876.56343 | 341.17251 | 1.3614 | 1.43E-11 |
| OS06G0280900 | 69.43262 | 209.14854 | -1.5908 | 2.57E-09 |
| OS06G0283300 | 138.29 | 323.79457 | -1.2274 | 3.40E-07 |
| OS06G0288100 | 1106.91807 | 1651.23554 | -0.577 | 0.00882 |
| OS06G0288300 | 821.92114 | 137.56802 | 2.5789 | 0.00266 |
| OS06G0291800 | 88.52883 | 177.69307 | -1.0052 | 0.02624 |
| OS06G0293100 | 44.08724 | 11.87378 | 1.8926 | 0.00013 |
| OS06G0293500 | 1.56631 | 28.24175 | -4.1724 | 2.37E-07 |
| OS06G0294000 | 289.91645 | 37.60158 | 2.9468 | 2.73E-07 |
| OS06G0295900 | 26.15606 | 61.99554 | -1.245 | 0.00513 |
| OS06G0297400 | 21.59126 | 90.77356 | -2.0718 | 1.50E-08 |
| OS06G0298500 | 18.67666 | 44.59301 | -1.2556 | 0.01063 |
| OS06G0305200 | 163.30096 | 274.76113 | -0.75064 | 0.00371 |
| OS06G0306300 | 25.74751 | 591.16534 | -4.5211 | 4.99E-70 |
| OS06G0311300 | 74.36576 | 127.25073 | -0.77496 | 0.02352 |
| OS06G0311600 | 118.34648 | 244.45399 | -1.0465 | 4.79E-05 |
| OS06G0314300 | 7.26517 | 0 | | 0.00378 |
| OS06G0314501 | 22.76401 | 169.8462 | -2.8994 | 7.03E-13 |
| OS06G0316000 | 128.02975 | 381.31569 | -1.5745 | 3.57E-07 |
| OS06G0316300 | 3948.68906 | 929.79003 | 2.0864 | 4.80E-29 |
| OS06G0318533 | 164.20543 | 77.82408 | 1.0772 | 0.00019 |
| OS06G0318600 | 48.37634 | 24.19703 | 0.99947 | 0.03898 |
| OS06G0319700 | 56.82444 | 98.8354 | -0.79852 | 0.03543 |
| OS06G0320200 | 16.77079 | 1.97624 | 3.0851 | 0.00075 |

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| OS06G0326400 | 1826.20974 | 620.6935 | 1.5569 | 4.48E-16 |
| OS06G0328966 | 16.14551 | 38.59223 | -1.2572 | 0.02278 |
| OS06G0334100 | 108.32087 | 212.95441 | -0.97523 | 0.00028 |
| OS06G0335975 | 8.53577 | 23.72706 | -1.4749 | 0.04418 |
| OS06G0338200 | 28.92279 | 2.45316 | 3.5595 | 5.12E-07 |
| OS06G0340200 | 2802.72097 | 1874.00043 | 0.58071 | 0.00804 |
| OS06G0345200 | 592.99429 | 309.10493 | 0.93992 | 1.77E-05 |
| OS06G0348800 | 5395.8054 | 3386.6533 | 0.67198 | 0.00078 |
| OS06G0352900 | 200.144 | 129.76403 | 0.62515 | 0.0332 |
| OS06G0353400 | 231.52292 | 344.58479 | -0.5737 | 0.02945 |
| OS06G0356800 | 69.56648 | 2.61571 | 4.7331 | 2.54E-08 |
| OS06G0358800 | 5.74017 | 19.33502 | -1.752 | 0.03606 |
| OS06G0360300 | 271.88865 | 176.71521 | 0.62159 | 0.02524 |
| OS06G0367500 | 10.07448 | 0.80603 | 3.6437 | 0.01403 |
| OS06G0472700 | 80.64359 | 140.23039 | -0.79817 | 0.01149 |
| OS06G0475400 | 77.21515 | 25.89051 | 1.5765 | 0.00032 |
| OS06G0478600 | 4.65005 | 0 | | 0.04633 |
| OS06G0480500 | 482.0073 | 131.77447 | 1.871 | 0.00071 |
| OS06G0494100 | 9.33525 | 44.69597 | -2.2594 | 0.00015 |
| OS06G0494400 | 433.78911 | 754.42808 | -0.79839 | 0.00473 |
| OS06G0498500 | 94.23418 | 173.42985 | -0.88003 | 0.00235 |
| OS06G0498900 | 146.96987 | 255.08473 | -0.79546 | 0.00335 |
| OS06G0499100 | 24.05345 | 97.26938 | -2.0157 | 2.81E-08 |
| OS06G0500300 | 137.65966 | 37.93741 | 1.8594 | 1.83E-08 |
| OS06G0503400 | 1662.20735 | 1030.80164 | 0.68933 | 0.00106 |
| OS06G0505700 | 28.59571 | 5.48863 | 2.3813 | 0.00014 |
| OS06G0520733 | 89.45732 | 27.73717 | 1.6894 | 0.01876 |

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| OS06G0521500 | 7.99689 | 708.50115 | -6.4692 | 8.89E-105 |
| OS06G0522300 | 1.19164 | 31.44323 | -4.7217 | 7.33E-09 |
| OS06G0523100 | 1484.08243 | 892.79024 | 0.73318 | 0.00107 |
| OS06G0523300 | 2530.5474 | 1590.94799 | 0.66956 | 0.00123 |
| OS06G0524400 | 326.63866 | 96.31664 | 1.7618 | 0.04652 |
| OS06G0526800 | 58.39321 | 21.8566 | 1.4177 | 0.01868 |
| OS06G0528600 | 3640.50939 | 1935.06525 | 0.91176 | 3.12E-06 |
| OS06G0535400 | 400.46831 | 823.31995 | -1.0398 | 1.03E-06 |
| OS06G0539400 | 82.5081 | 170.69088 | -1.0488 | 0.00072 |
| OS06G0542200 | 52.76066 | 10.19156 | 2.3721 | 0.00012 |
| OS06G0542300 | 3.83308 | 16.49907 | -2.1058 | 0.02559 |
| OS06G0543200 | 449.44888 | 310.87459 | 0.53182 | 0.03937 |
| OS06G0543400 | 140.42763 | 83.79009 | 0.74498 | 0.019 |
| OS06G0550800 | 177.67307 | 82.23102 | 1.1115 | 5.11E-05 |
| OS06G0551800 | 262.38566 | 125.48597 | 1.0642 | 3.05E-05 |
| OS06G0552700 | 4.89688 | 0 | | 0.03376 |
| OS06G0553001 | 31.77731 | 6.73649 | 2.2379 | 0.00511 |
| OS06G0554600 | 765.25383 | 258.14813 | 1.5677 | 1.43E-12 |
| OS06G0556000 | 85.3374 | 46.57099 | 0.87375 | 0.0164 |
| OS06G0557100 | 597.23154 | 982.40968 | -0.71803 | 0.00134 |
| OS06G0558300 | 74.90456 | 152.57645 | -1.0264 | 0.00058 |
| OS06G0560300 | 15.66683 | 2.15739 | 2.8604 | 0.00352 |
| OS06G0562600 | 226.92917 | 369.93271 | -0.70502 | 0.004 |
| OS06G0564500 | 885.91333 | 429.41454 | 1.0448 | 0.00074 |
| OS06G0565000 | 3.80676 | 14.95181 | -1.9737 | 0.04978 |
| OS06G0567000 | 129.3532 | 225.34757 | -0.80084 | 0.00298 |
| OS06G0568200 | 385.62142 | 258.47711 | 0.57715 | 0.02402 |

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| OS06G0569500 | 1406.62531 | 364.69515 | 1.9475 | 9.23E-24 |
| OS06G0571400 | 230.19857 | 347.86659 | -0.59566 | 0.0202 |
| OS06G0571800 | 573.715 | 314.3321 | 0.86804 | 0.0036 |
| OS06G0574400 | 63.11225 | 112.06787 | -0.82838 | 0.01361 |
| OS06G0579100 | 851.17425 | 3433.04203 | -2.012 | 4.37E-07 |
| OS06G0579600 | 40.47217 | 84.20332 | -1.0569 | 0.00446 |
| OS06G0579800 | 17.75563 | 2.5327 | 2.8095 | 0.00106 |
| OS06G0580100 | 6418.61467 | 11277.07935 | -0.81306 | 4.16E-05 |
| OS06G0581500 | 122.00779 | 386.00917 | -1.6617 | 4.33E-13 |
| OS06G0585982 | 19.62019 | 48.70978 | -1.3119 | 0.00608 |
| OS06G0586150 | 1.39338 | 10.98458 | -2.9788 | 0.02571 |
| OS06G0589300 | 7.38923 | 28.2546 | -1.935 | 0.00303 |
| OS06G0591200 | 16.83715 | 49.31265 | -1.5503 | 0.00161 |
| OS06G0592200 | 41.69391 | 19.56599 | 1.0915 | 0.03897 |
| OS06G0593800 | 1936.06388 | 639.20845 | 1.5988 | 7.29E-14 |
| OS06G0594100 | 1945.72594 | 1335.01585 | 0.54345 | 0.01681 |
| OS06G0596300 | 306.80859 | 444.00846 | -0.53325 | 0.03895 |
| OS06G0597400 | 27.73998 | 64.47652 | -1.2168 | 0.00311 |
| OS06G0597900 | 1634.10852 | 1104.99633 | 0.56446 | 0.01001 |
| OS06G0600700 | 1055.25578 | 561.93816 | 0.90911 | 1.76E-05 |
| OS06G0601100 | 4190.5526 | 2762.76755 | 0.60103 | 0.00412 |
| OS06G0601500 | 293.57636 | 101.15848 | 1.5371 | 2.53E-05 |
| OS06G0601600 | 50.41144 | 95.28241 | -0.91846 | 0.00775 |
| OS06G0602500 | 68.48781 | 144.55369 | -1.0777 | 0.00033 |
| OS06G0602600 | 82.40901 | 179.71686 | -1.1249 | 5.09E-05 |
| OS06G0603000 | 6008.69518 | 3451.61019 | 0.79978 | 2.99E-05 |
| OS06G0603400 | 15.14556 | 39.14293 | -1.3699 | 0.01135 |

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| OS06G0604200 | 79.84161 | 15.54524 | 2.3607 | 5.85E-10 |
| OS06G0604300 | 696.17658 | 162.84832 | 2.0959 | 3.90E-21 |
| OS06G0604400 | 1032.54554 | 592.07702 | 0.80235 | 0.00011 |
| OS06G0604500 | 637.69666 | 406.75272 | 0.64872 | 0.00399 |
| OS06G0604600 | 2254.21095 | 1614.59616 | 0.48145 | 0.03086 |
| OS06G0605900 | 997.91387 | 4032.96312 | -2.0149 | 0.00028 |
| OS06G0608700 | 20387.15672 | 10842.61937 | 0.91095 | 1.41E-06 |
| OS06G0608800 | 373.41004 | 555.75308 | -0.57368 | 0.01774 |
| OS06G0609600 | 245.92157 | 360.78586 | -0.55294 | 0.03003 |
| OS06G0609700 | 164.22419 | 98.56051 | 0.73659 | 0.01818 |
| OS06G0611900 | 19937.07875 | 13276.55551 | 0.58657 | 0.00446 |
| OS06G0612200 | 21.96843 | 47.1384 | -1.1015 | 0.02826 |
| OS06G0614100 | 76.99361 | 147.38729 | -0.9368 | 0.02079 |
| OS06G0614300 | 141.25594 | 214.68201 | -0.60389 | 0.03974 |
| OS06G0617800 | 770.64199 | 435.47865 | 0.82346 | 0.00014 |
| OS06G0618700 | 37.85565 | 324.70814 | -3.1006 | 2.28E-26 |
| OS06G0624850 | 7.78644 | 33.64508 | -2.1114 | 0.00043 |
| OS06G0632200 | 308.45715 | 129.0288 | 1.2574 | 0.0009 |
| OS06G0632500 | 19.97987 | 3.11311 | 2.6821 | 0.00099 |
| OS06G0634300 | 1486.1705 | 840.07946 | 0.823 | 5.67E-05 |
| OS06G0635200 | 269.76342 | 175.11459 | 0.6234 | 0.02317 |
| OS06G0637500 | 43.72501 | 81.72825 | -0.90238 | 0.02775 |
| OS06G0638200 | 1464.41638 | 979.33442 | 0.58045 | 0.00813 |
| OS06G0638300 | 68.23092 | 115.69133 | -0.76178 | 0.0271 |
| OS06G0640201 | 19.40596 | 5.17063 | 1.9081 | 0.01526 |
| OS06G0640599 | 2574.71961 | 539.15458 | 2.2556 | 1.72E-21 |
| OS06G0641866 | 77.30405 | 192.79752 | -1.3185 | 1.81E-06 |

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| OS06G0644600 | 20.22042 | 59.42066 | -1.5552 | 0.00023 |
| OS06G0644700 | 111.897 | 176.1743 | -0.65483 | 0.03666 |
| OS06G0645400 | 102.18093 | 193.85207 | -0.92383 | 0.0009 |
| OS06G0646700 | 762.21535 | 336.23443 | 1.1807 | 9.08E-09 |
| OS06G0649900 | 14.17822 | 53.81758 | -1.9244 | 3.54E-05 |
| OS06G0650100 | 111.60763 | 174.94392 | -0.64846 | 0.03098 |
| OS06G0650600 | 449.36227 | 742.60248 | -0.72471 | 0.0012 |
| OS06G0650800 | 415.33991 | 234.43522 | 0.8251 | 0.00046 |
| OS06G0651000 | 311.31393 | 1410.39325 | -2.1797 | 4.62E-28 |
| OS06G0651200 | 253.32569 | 97.81038 | 1.3729 | 3.90E-08 |
| OS06G0652000 | 17.92983 | 42.15428 | -1.2333 | 0.01746 |
| OS06G0652250 | 55.03384 | 20.59013 | 1.4184 | 0.00305 |
| OS06G0652300 | 1347.8204 | 115.94784 | 3.5391 | 3.22E-18 |
| OS06G0653800 | 127.32956 | 210.79259 | -0.72726 | 0.01105 |
| OS06G0654900 | 30216.81324 | 15718.86593 | 0.94285 | 4.32E-07 |
| OS06G0655500 | 2376.66603 | 3547.6825 | -0.57794 | 0.0083 |
| OS06G0656300 | 1001.83112 | 438.5483 | 1.1918 | 1.99E-05 |
| OS06G0658200 | 4.3017 | 23.59959 | -2.4558 | 0.00105 |
| OS06G0661200 | 1463.45856 | 393.59527 | 1.8946 | 3.44E-13 |
| OS06G0661766 | 347.2755 | 213.5025 | 0.70183 | 0.00479 |
| OS06G0661800 | 571.47375 | 221.91013 | 1.3647 | 0.00043 |
| OS06G0661900 | 83.69481 | 200.10141 | -1.2575 | 3.69E-06 |
| OS06G0662200 | 692.12649 | 391.08726 | 0.82355 | 0.00023 |
| OS06G0662550 | 13.33998 | 1.9429 | 2.7795 | 0.01404 |
| OS06G0663600 | 39.55242 | 88.44999 | -1.1611 | 0.00174 |
| OS06G0669400 | 7050.67808 | 5080.45797 | 0.4728 | 0.03007 |
| OS06G0669700 | 578.0017 | 405.59228 | 0.51104 | 0.04124 |

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| OS06G0671600 | 27.1347 | 88.98067 | -1.7134 | 1.61E-05 |
| OS06G0672700 | 7.41555 | 30.09588 | -2.0209 | 0.0014 |
| OS06G0673700 | 10.49929 | 34.76737 | -1.7274 | 0.00292 |
| OS06G0673800 | 63.15856 | 160.98889 | -1.3499 | 2.80E-06 |
| OS06G0674000 | 139.87899 | 359.33089 | -1.3611 | 7.18E-05 |
| OS06G0674800 | 212.15958 | 335.65333 | -0.66182 | 0.0125 |
| OS06G0678500 | 1049.90688 | 393.71657 | 1.415 | 2.63E-09 |
| OS06G0680500 | 2481.87291 | 1171.25066 | 1.0834 | 1.94E-08 |
| OS06G0681400 | 20019.58762 | 13230.25221 | 0.59757 | 0.02549 |
| OS06G0681600 | 9.25123 | 32.92419 | -1.8314 | 0.00219 |
| OS06G0682300 | 27.57955 | 53.90634 | -0.96686 | 0.03275 |
| OS06G0687700 | 335.23657 | 493.20289 | -0.557 | 0.02188 |
| OS06G0689600 | 59.18521 | 138.36475 | -1.2252 | 5.02E-05 |
| OS06G0690200 | 207.06723 | 326.54077 | -0.65716 | 0.01454 |
| OS06G0690600 | 17.43488 | 39.45344 | -1.1782 | 0.03362 |
| OS06G0690900 | 20.07633 | 43.37849 | -1.1115 | 0.03676 |
| OS06G0691400 | 412.8816 | 169.0951 | 1.2879 | 0.00178 |
| OS06G0693000 | 97.93064 | 55.80265 | 0.81143 | 0.02907 |
| OS06G0693500 | 74.8019 | 136.12955 | -0.86383 | 0.00644 |
| OS06G0694400 | 197.68546 | 27.57446 | 2.8418 | 3.39E-23 |
| OS06G0694500 | 671.59974 | 385.29043 | 0.80166 | 0.00091 |
| OS06G0695700 | 5.3242 | 24.68104 | -2.2128 | 0.00266 |
| OS06G0697400 | 66.75352 | 123.98642 | -0.89327 | 0.00606 |
| OS06G0699200 | 409.00158 | 618.11431 | -0.59577 | 0.01408 |
| OS06G0699301 | 154.75868 | 309.70588 | -1.0009 | 6.21E-05 |
| OS06G0699400 | 708.98624 | 1170.1454 | -0.72286 | 0.00073 |
| OS06G0699700 | 1631.13058 | 1010.23224 | 0.69119 | 0.00105 |

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| OS06G0700500 | 63.12596 | 110.27467 | -0.8048 | 0.01994 |
| OS06G0701600 | 891.85079 | 417.7945 | 1.094 | 1.16E-07 |
| OS06G0703300 | 26.91291 | 8.00832 | 1.7487 | 0.00659 |
| OS06G0703500 | 277.24777 | 70.57395 | 1.974 | 9.11E-05 |
| OS06G0703900 | 434.20463 | 293.5493 | 0.56477 | 0.02771 |
| OS06G0704600 | 4450.68877 | 3230.127 | 0.46244 | 0.03842 |
| OS06G0704700 | 5765.50499 | 3775.29032 | 0.61086 | 0.00342 |
| OS06G0705000 | 72.55024 | 32.40676 | 1.1627 | 0.00285 |
| OS06G0705600 | 290.21184 | 95.10244 | 1.6096 | 2.62E-09 |
| OS06G0707200 | 921.93803 | 575.76341 | 0.67919 | 0.0199 |
| OS06G0707800 | 88.19941 | 200.70241 | -1.1862 | 1.45E-05 |
| OS06G0708000 | 124.84227 | 235.60912 | -0.91629 | 0.00043 |
| OS06G0710300 | 666.32209 | 1026.95363 | -0.62408 | 0.00732 |
| OS06G0711100 | 1554.29286 | 1034.90951 | 0.58675 | 0.00604 |
| OS06G0711700 | 807.6132 | 500.77983 | 0.68949 | 0.02071 |
| OS06G0712200 | 597.03005 | 415.68169 | 0.52232 | 0.02565 |
| OS06G0712300 | 2096.33796 | 1467.78842 | 0.51423 | 0.01996 |
| OS06G0714700 | 1183.96124 | 756.06559 | 0.64704 | 0.00221 |
| OS06G0714800 | 7.85785 | 217.17169 | -4.7886 | 4.26E-43 |
| OS06G0714900 | 24.4094 | 8.90499 | 1.4548 | 0.04578 |
| OS06G0715100 | 221.28668 | 135.35363 | 0.70918 | 0.01287 |
| OS06G0716100 | 11300.38209 | 4914.94859 | 1.2011 | 4.14E-11 |
| OS06G0717300 | 13.72836 | 33.65257 | -1.2936 | 0.03276 |
| OS06G0724200 | 15.29466 | 37.70493 | -1.3017 | 0.02025 |
| OS06G0724800 | 201.58482 | 94.47528 | 1.0934 | 0.03643 |
| OS06G0725900 | 8346.63944 | 5264.23 | 0.66497 | 0.00078 |
| OS06G0726200 | 214.49495 | 67.81019 | 1.6614 | 0.0077 |

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| OS06G0728700 | 2832.16051 | 1627.31694 | 0.79941 | 7.87E-05 |
| OS06G0729000 | 616.0938 | 401.12786 | 0.61909 | 0.00923 |
| OS06G0729650 | 2594.36631 | 1738.43011 | 0.5776 | 0.01255 |
| OS06G0730200 | 155.03184 | 94.03313 | 0.72132 | 0.01876 |
| OS06G0730300 | 1966.11615 | 1208.97394 | 0.70157 | 0.00071 |
| OS07G0100200 | 9229.8895 | 5853.50442 | 0.65701 | 0.00767 |
| OS07G0100300 | 4499.17798 | 3169.46411 | 0.50542 | 0.01972 |
| OS07G0100600 | 89.3972 | 38.36678 | 1.2204 | 0.00116 |
| OS07G0100800 | 337.89044 | 156.34814 | 1.1118 | 0.0016 |
| OS07G0101101 | 46.81003 | 83.60083 | -0.8367 | 0.03679 |
| OS07G0103100 | 1969.05001 | 930.11412 | 1.082 | 1.50E-06 |
| OS07G0106200 | 1093.71908 | 3517.59665 | -1.6853 | 1.14E-18 |
| OS07G0107900 | 565.783 | 393.62674 | 0.52342 | 0.03515 |
| OS07G0108800 | 52.54898 | 26.19149 | 1.0046 | 0.03188 |
| OS07G0108900 | 10.11707 | 58.43682 | -2.5301 | 0.012 |
| OS07G0109400 | 58.60867 | 22.64615 | 1.3718 | 0.04039 |
| OS07G0109500 | 457.26274 | 716.00921 | -0.64695 | 0.0056 |
| OS07G0111700 | 119.66713 | 24.80157 | 2.2705 | 5.08E-11 |
| OS07G0111900 | 254.4575 | 13.27339 | 4.2608 | 8.75E-47 |
| OS07G0112100 | 236.54619 | 20.89891 | 3.5006 | 3.70E-35 |
| OS07G0114000 | 172.20736 | 279.70696 | -0.69977 | 0.01278 |
| OS07G0115500 | 332.67978 | 115.14708 | 1.5307 | 6.72E-09 |
| OS07G0116600 | 611.35639 | 1049.75617 | -0.77997 | 0.00024 |
| OS07G0117300 | 32.30729 | 1.55474 | 4.3771 | 2.90E-09 |
| OS07G0120800 | 140.34136 | 221.59926 | -0.65901 | 0.02155 |
| OS07G0121200 | 586.2572 | 254.7508 | 1.2024 | 1.06E-05 |
| OS07G0121750 | 103.01806 | 37.07257 | 1.4745 | 1.23E-05 |

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|--------------|-------------|-------------|----------|----------|
| OS07G0121800 | 381.2095 | 201.81617 | 0.91754 | 8.63E-05 |
| OS07G0122000 | 688.82006 | 353.0567 | 0.96423 | 0.00073 |
| OS07G0122100 | 283.01589 | 109.61897 | 1.3684 | 0.00127 |
| OS07G0123300 | 29.91646 | 61.52997 | -1.0403 | 0.01497 |
| OS07G0123800 | 26.02203 | 129.69451 | -2.3173 | 1.89E-12 |
| OS07G0124100 | 417.92729 | 729.6896 | -0.80403 | 0.00013 |
| OS07G0124500 | 277.13116 | 402.90727 | -0.53988 | 0.04157 |
| OS07G0129100 | 6.4156 | 19.57694 | -1.6095 | 0.0414 |
| OS07G0130100 | 1.51744 | 12.89792 | -3.0874 | 0.0095 |
| OS07G0132500 | 7.0371 | 23.37225 | -1.7317 | 0.01733 |
| OS07G0133100 | 44.16986 | 115.61503 | -1.3882 | 2.43E-05 |
| OS07G0134600 | 23.12369 | 74.55718 | -1.689 | 1.78E-05 |
| OS07G0141400 | 36135.03798 | 23568.98537 | 0.61651 | 0.0449 |
| OS07G0142900 | 1900.47111 | 184.86215 | 3.3618 | 2.65E-63 |
| OS07G0143200 | 277.67384 | 899.83718 | -1.6963 | 3.86E-17 |
| OS07G0143401 | 20.84821 | 51.52507 | -1.3054 | 0.00528 |
| OS07G0148900 | 29047.45129 | 16622.17633 | 0.8053 | 3.04E-05 |
| OS07G0150100 | 2900.84931 | 1749.45763 | 0.72957 | 0.00025 |
| OS07G0150700 | 391.32986 | 698.61325 | -0.83611 | 0.00058 |
| OS07G0152900 | 1626.18043 | 1154.78822 | 0.49386 | 0.02613 |
| OS07G0153400 | 729.3742 | 464.63259 | 0.65057 | 0.0044 |
| OS07G0158900 | 74.22676 | 120.62855 | -0.70056 | 0.04068 |
| OS07G0160300 | 344.99654 | 160.0987 | 1.1076 | 2.80E-06 |
| OS07G0160400 | 8830.68963 | 5227.8814 | 0.7563 | 0.0001 |
| OS07G0162100 | 3176.41342 | 1349.16659 | 1.2353 | 5.63E-06 |
| OS07G0162200 | 5.42193 | 26.28758 | -2.2775 | 0.00096 |
| OS07G0162500 | 1738.27361 | 996.55643 | 0.80263 | 7.03E-05 |

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|--------------|------------|------------|----------|----------|
| OS07G0162600 | 207.72011 | 920.73157 | -2.1481 | 1.76E-10 |
| OS07G0164000 | 31.6432 | 58.65358 | -0.89032 | 0.04993 |
| OS07G0164800 | 292.26921 | 122.37626 | 1.256 | 2.05E-07 |
| OS07G0165200 | 437.12876 | 278.64203 | 0.64965 | 0.00857 |
| OS07G0165650 | 173.18863 | 87.5757 | 0.98374 | 0.00048 |
| OS07G0166600 | 61.04467 | 120.87118 | -0.98553 | 0.00317 |
| OS07G0170100 | 402.42339 | 198.10341 | 1.0225 | 1.11E-05 |
| OS07G0170300 | 110.47985 | 286.78572 | -1.3762 | 1.56E-08 |
| OS07G0171100 | 9348.45496 | 5341.77377 | 0.80741 | 2.62E-05 |
| OS07G0175600 | 118.1022 | 54.24688 | 1.1224 | 0.00057 |
| OS07G0176600 | 25.42434 | 8.09723 | 1.6507 | 0.01678 |
| OS07G0176900 | 3201.9423 | 1684.53068 | 0.9266 | 0.0031 |
| OS07G0177100 | 28.18984 | 66.50101 | -1.2382 | 0.00247 |
| OS07G0177150 | 5.99584 | 22.98235 | -1.9385 | 0.0074 |
| OS07G0178700 | 271.38929 | 57.09591 | 2.2489 | 1.53E-05 |
| OS07G0180900 | 702.49267 | 1058.88224 | -0.59199 | 0.0088 |
| OS07G0181500 | 2643.83338 | 1718.75664 | 0.62127 | 0.00361 |
| OS07G0184300 | 104.37251 | 163.76155 | -0.64985 | 0.03936 |
| OS07G0184800 | 85.41136 | 218.16302 | -1.3529 | 3.05E-07 |
| OS07G0184900 | 26.01324 | 62.29374 | -1.2598 | 0.00259 |
| OS07G0185900 | 2512.62873 | 893.205 | 1.4921 | 7.99E-06 |
| OS07G0186000 | 5862.01777 | 2718.73922 | 1.1085 | 1.84E-05 |
| OS07G0187400 | 3677.08536 | 2532.22126 | 0.53816 | 0.01038 |
| OS07G0188000 | 25.91789 | 0.30688 | 6.4001 | 0.01716 |
| OS07G0188233 | 1094.91174 | 599.65678 | 0.86861 | 2.96E-05 |
| OS07G0188249 | 216.56782 | 123.48577 | 0.81047 | 0.00456 |
| OS07G0188266 | 1146.11858 | 580.47845 | 0.98144 | 1.75E-06 |

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|--------------|------------|------------|----------|----------|
| OS07G0190000 | 3538.71374 | 755.90568 | 2.2269 | 3.88E-14 |
| OS07G0190800 | 87.27719 | 48.3161 | 0.8531 | 0.02958 |
| OS07G0191200 | 76.29297 | 26.52635 | 1.5241 | 0.00021 |
| OS07G0195200 | 98.66231 | 33.83388 | 1.544 | 5.34E-06 |
| OS07G0195300 | 29.58187 | 1.51218 | 4.29 | 0.0315 |
| OS07G0196200 | 2258.95256 | 1443.00463 | 0.64658 | 0.00157 |
| OS07G0200900 | 28.02307 | 63.2974 | -1.1755 | 0.00675 |
| OS07G0202900 | 31.49282 | 73.33698 | -1.2195 | 0.00257 |
| OS07G0204500 | 371.66466 | 229.8249 | 0.69347 | 0.00612 |
| OS07G0204800 | 146.39851 | 91.40403 | 0.67957 | 0.03543 |
| OS07G0204900 | 1718.51803 | 1218.75565 | 0.49576 | 0.0294 |
| OS07G0206700 | 982.15141 | 415.04211 | 1.2427 | 6.58E-10 |
| OS07G0209000 | 408.51077 | 598.01713 | -0.54981 | 0.01834 |
| OS07G0210000 | 371.53601 | 84.55529 | 2.1355 | 2.05E-20 |
| OS07G0211101 | 283.76374 | 155.79913 | 0.865 | 0.00045 |
| OS07G0211200 | 1013.41194 | 624.31011 | 0.69889 | 0.00117 |
| OS07G0211900 | 214.53157 | 135.00238 | 0.66821 | 0.0195 |
| OS07G0212400 | 114.13245 | 1.2053 | 6.5652 | 8.21E-38 |
| OS07G0213800 | 51.66938 | 24.60182 | 1.0705 | 0.02985 |
| OS07G0215200 | 89.06023 | 192.13054 | -1.1092 | 5.08E-05 |
| OS07G0220333 | 22.46966 | 3.53272 | 2.6691 | 0.004 |
| OS07G0220600 | 100.56576 | 158.59015 | -0.65716 | 0.04149 |
| OS07G0222700 | 25.22637 | 60.42644 | -1.2602 | 0.00258 |
| OS07G0224000 | 29.83256 | 59.94763 | -1.0068 | 0.0239 |
| OS07G0224900 | 17.16801 | 59.30431 | -1.7884 | 5.14E-05 |
| OS07G0227300 | 6.14494 | 37.46821 | -2.6082 | 9.18E-06 |
| OS07G0227600 | 1666.74494 | 1092.75964 | 0.60906 | 0.0031 |

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|--------------|-----------|-----------|----------|----------|
| OS07G0227800 | 826.42197 | 443.99735 | 0.89633 | 2.53E-05 |
| OS07G0229800 | 66.29623 | 111.78866 | -0.75378 | 0.03534 |
| OS07G0229900 | 246.09071 | 395.58509 | -0.6848 | 0.0045 |
| OS07G0230400 | 49.65187 | 115.436 | -1.2172 | 0.00021 |
| OS07G0233300 | 31.83111 | 69.49715 | -1.1265 | 0.02079 |
| OS07G0237700 | 43.2752 | 86.68053 | -1.0022 | 0.00786 |
| OS07G0238700 | 324.41874 | 589.98113 | -0.86281 | 0.00011 |
| OS07G0240400 | 98.9418 | 55.00844 | 0.84693 | 0.01997 |
| OS07G0240600 | 406.40675 | 146.74985 | 1.4696 | 8.73E-11 |
| OS07G0241500 | 99.48964 | 17.65628 | 2.4944 | 0.00043 |
| OS07G0241700 | 22.49348 | 4.74913 | 2.2438 | 0.00242 |
| OS07G0242050 | 40.7967 | 94.07643 | -1.2054 | 0.00394 |
| OS07G0245100 | 436.06848 | 227.89106 | 0.93621 | 0.00014 |
| OS07G0245200 | 45.77132 | 108.04515 | -1.2391 | 0.00018 |
| OS07G0249100 | 53.61168 | 133.21044 | -1.3131 | 1.31E-05 |
| OS07G0249600 | 215.62543 | 137.43967 | 0.64973 | 0.02591 |
| OS07G0249800 | 11.86257 | 2.46427 | 2.2672 | 0.04269 |
| OS07G0251200 | 46.2762 | 165.60496 | -1.8394 | 1.61E-10 |
| OS07G0251900 | 0 | 25.83115 | | 1.51E-09 |
| OS07G0253000 | 80.90291 | 35.10933 | 1.2043 | 0.00126 |
| OS07G0258400 | 3.10629 | 105.10573 | -5.0805 | 0.00723 |
| OS07G0261200 | 176.7148 | 25.74066 | 2.7793 | 2.99E-16 |
| OS07G0262800 | 7.98568 | 22.99883 | -1.5261 | 0.03567 |
| OS07G0263400 | 62.33876 | 0.24957 | 7.9645 | 0.03117 |
| OS07G0273900 | 120.52062 | 202.6032 | -0.74938 | 0.00604 |
| OS07G0274700 | 209.90805 | 69.67371 | 1.5911 | 4.70E-06 |
| OS07G0275475 | 116.99441 | 1.30517 | 6.4861 | 9.04E-38 |

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| OS07G0283050 | 45.25256 | 21.42777 | 1.0785 | 0.02851 |
| OS07G0283125 | 20.57127 | 7.19307 | 1.516 | 0.04663 |
| OS07G0285200 | 19.42094 | 44.96989 | -1.2113 | 0.01627 |
| OS07G0295000 | 8.08719 | 24.46655 | -1.5971 | 0.02064 |
| OS07G0295400 | 48.25483 | 90.33369 | -0.90459 | 0.01357 |
| OS07G0298900 | 24.18762 | 3.82675 | 2.6601 | 0.00051 |
| OS07G0409900 | 412.64587 | 633.45253 | -0.61833 | 0.00769 |
| OS07G0410700 | 1.16909 | 22.92292 | -4.2933 | 4.22E-06 |
| OS07G0412100 | 10312.63861 | 4792.65773 | 1.1055 | 3.47E-09 |
| OS07G0413800 | 4501.86915 | 449.43226 | 3.3243 | 1.68E-68 |
| OS07G0414000 | 854.05278 | 183.79033 | 2.2163 | 2.95E-07 |
| OS07G0414900 | 19.81816 | 5.87505 | 1.7542 | 0.02136 |
| OS07G0416100 | 3.2379 | 14.02927 | -2.1153 | 0.03157 |
| OS07G0416600 | 12.98658 | 43.21563 | -1.7345 | 0.00078 |
| OS07G0416700 | 43.93686 | 162.58597 | -1.8877 | 1.06E-10 |
| OS07G0418100 | 9.57703 | 48.76353 | -2.3482 | 2.77E-05 |
| OS07G0418500 | 20.58261 | 3.3738 | 2.609 | 0.01232 |
| OS07G0421200 | 200.9963 | 351.70921 | -0.80721 | 0.00097 |
| OS07G0421800 | 258.97955 | 144.19195 | 0.84485 | 0.00078 |
| OS07G0425000 | 735.38199 | 433.63187 | 0.76202 | 0.00166 |
| OS07G0429700 | 13.49524 | 133.97976 | -3.3115 | 0.00373 |
| OS07G0435400 | 145.42611 | 259.39295 | -0.83485 | 0.00171 |
| OS07G0446100 | 846.71313 | 512.79726 | 0.72348 | 0.00098 |
| OS07G0446400 | 58.24899 | 6.79743 | 3.0992 | 0.00219 |
| OS07G0446600 | 224.76484 | 421.15846 | -0.90595 | 0.00017 |
| OS07G0446800 | 384.77616 | 3.87295 | 6.6344 | 9.69E-14 |
| OS07G0448800 | 10534.63122 | 6658.1643 | 0.66194 | 0.00116 |

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|--------------|------------|------------|----------|----------|
| OS07G0450000 | 39.61377 | 91.71824 | -1.2112 | 0.00062 |
| OS07G0450100 | 60.10484 | 19.23325 | 1.6439 | 0.00323 |
| OS07G0452500 | 90.26443 | 152.30565 | -0.75474 | 0.01585 |
| OS07G0452700 | 162.80712 | 249.32728 | -0.61488 | 0.03068 |
| OS07G0454100 | 310.21806 | 210.01226 | 0.56281 | 0.04056 |
| OS07G0458800 | 73.63281 | 129.85925 | -0.81853 | 0.01113 |
| OS07G0463600 | 844.71463 | 452.92505 | 0.89919 | 0.02442 |
| OS07G0463800 | 42.08479 | 6.65884 | 2.66 | 3.21E-07 |
| OS07G0464200 | 7182.74557 | 3364.1963 | 1.0943 | 3.73E-09 |
| OS07G0464600 | 674.60514 | 431.88331 | 0.6434 | 0.00509 |
| OS07G0467200 | 805.07199 | 280.37629 | 1.5218 | 4.76E-14 |
| OS07G0467800 | 34.7345 | 87.8583 | -1.3388 | 0.00023 |
| OS07G0468100 | 2830.32959 | 1808.59851 | 0.6461 | 0.00155 |
| OS07G0470700 | 636.38079 | 406.88655 | 0.64526 | 0.00654 |
| OS07G0471300 | 173.99564 | 322.5006 | -0.89025 | 0.0002 |
| OS07G0474700 | 477.14533 | 699.84894 | -0.55261 | 0.02392 |
| OS07G0475400 | 263.15264 | 115.89571 | 1.1831 | 0.04113 |
| OS07G0475800 | 37.46739 | 68.35916 | -0.8675 | 0.0392 |
| OS07G0476900 | 3673.62119 | 1645.20176 | 1.1589 | 1.03E-05 |
| OS07G0484800 | 2.80681 | 16.07567 | -2.5179 | 0.00715 |
| OS07G0489300 | 690.09173 | 322.9078 | 1.0957 | 3.63E-05 |
| OS07G0490100 | 17.97364 | 4.04298 | 2.1524 | 0.03885 |
| OS07G0491800 | 158.64238 | 19.15711 | 3.0498 | 6.99E-05 |
| OS07G0491900 | 2706.33301 | 1385.46689 | 0.96597 | 3.35E-07 |
| OS07G0493800 | 1.91465 | 32.68187 | -4.0933 | 4.07E-08 |
| OS07G0494800 | 26.39784 | 53.63643 | -1.0228 | 0.02882 |
| OS07G0496200 | 1120.39038 | 800.48221 | 0.48506 | 0.04538 |

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| OS07G0498400 | 33.76325 | 234.87499 | -2.7984 | 0.00741 |
| OS07G0499300 | 175.82487 | 343.03863 | -0.96423 | 4.76E-05 |
| OS07G0500300 | 662.1233 | 286.57136 | 1.2082 | 2.05E-06 |
| OS07G0503500 | 350.46273 | 139.0187 | 1.334 | 0.02504 |
| OS07G0506700 | 51.31098 | 95.41926 | -0.89501 | 0.01331 |
| OS07G0507000 | 196.97128 | 527.13667 | -1.4202 | 5.57E-11 |
| OS07G0508500 | 83.47549 | 47.84108 | 0.8031 | 0.04853 |
| OS07G0509700 | 2981.69051 | 1920.51285 | 0.63464 | 0.00163 |
| OS07G0509800 | 18861.39743 | 10298.07333 | 0.87306 | 5.33E-05 |
| OS07G0510100 | 23.30539 | 50.56376 | -1.1174 | 0.02379 |
| OS07G0510200 | 87.06156 | 49.22752 | 0.82257 | 0.03156 |
| OS07G0510400 | 65.97395 | 14.06467 | 2.2298 | 0.04732 |
| OS07G0510500 | 23.59103 | 4.91932 | 2.2617 | 0.04188 |
| OS07G0513000 | 21253.34524 | 11859.74713 | 0.84162 | 6.92E-05 |
| OS07G0513600 | 4.87434 | 19.06858 | -1.9679 | 0.02383 |
| OS07G0515100 | 99.18621 | 245.86858 | -1.3097 | 3.07E-07 |
| OS07G0516300 | 767.04931 | 396.33626 | 0.95259 | 1.52E-05 |
| OS07G0517000 | 116.18122 | 204.31987 | -0.81445 | 0.00359 |
| OS07G0517100 | 388.85504 | 185.31104 | 1.0693 | 3.57E-06 |
| OS07G0520600 | 406.88757 | 221.22456 | 0.87912 | 0.02883 |
| OS07G0524900 | 128.9112 | 22.05785 | 2.547 | 1.26E-05 |
| OS07G0528200 | 0 | 126.29515 | | 6.27E-38 |
| OS07G0530400 | 530.72895 | 321.98309 | 0.72099 | 0.00184 |
| OS07G0530600 | 335.93941 | 217.48455 | 0.62729 | 0.0135 |
| OS07G0530700 | 100.64472 | 162.73663 | -0.69327 | 0.02729 |
| OS07G0531700 | 80.22005 | 170.64562 | -1.089 | 0.00014 |
| OS07G0537250 | 33.52775 | 13.95911 | 1.2641 | 0.03567 |

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| OS07G0537500 | 6.93937 | 249.62956 | -5.1688 | 8.98E-09 |
| OS07G0537600 | 3.5035 | 89.17713 | -4.6698 | 2.31E-06 |
| OS07G0538350 | 4.72524 | 28.72615 | -2.6039 | 9.32E-05 |
| OS07G0538400 | 13.22713 | 43.6741 | -1.7233 | 0.00072 |
| OS07G0539300 | 227.65477 | 103.16499 | 1.1419 | 1.37E-05 |
| OS07G0539900 | 103.26074 | 415.03304 | -2.0069 | 1.12E-09 |
| OS07G0540100 | 401.01741 | 261.09093 | 0.61911 | 0.02344 |
| OS07G0541200 | 229.85896 | 85.29968 | 1.4301 | 1.83E-08 |
| OS07G0541400 | 149.38214 | 259.06905 | -0.79433 | 0.0027 |
| OS07G0542400 | 462.62996 | 6085.07339 | -3.7173 | 7.97E-13 |
| OS07G0542600 | 9.70865 | 381.35815 | -5.2957 | 2.47E-25 |
| OS07G0545300 | 110.54255 | 276.24818 | -1.3214 | 8.48E-08 |
| OS07G0545900 | 405.71283 | 269.20888 | 0.59173 | 0.02296 |
| OS07G0546000 | 176.10681 | 97.72682 | 0.84962 | 0.00361 |
| OS07G0546700 | 238.49104 | 350.30038 | -0.55466 | 0.03505 |
| OS07G0548500 | 271.86373 | 178.39908 | 0.60778 | 0.02772 |
| OS07G0548800 | 390.1574 | 786.16591 | -1.0108 | 1.61E-06 |
| OS07G0549800 | 50.10673 | 90.82724 | -0.85812 | 0.027 |
| OS07G0553700 | 403.07371 | 634.71733 | -0.65507 | 0.00421 |
| OS07G0556200 | 26478.06321 | 15272.94422 | 0.79382 | 2.70E-05 |
| OS07G0556300 | 610.38238 | 415.70266 | 0.55416 | 0.01819 |
| OS07G0557100 | 176.5941 | 272.02428 | -0.6233 | 0.02922 |
| OS07G0558200 | 489.04638 | 334.53723 | 0.5478 | 0.02993 |
| OS07G0558300 | 2016.11183 | 828.12069 | 1.2837 | 9.37E-05 |
| OS07G0558500 | 2108.57057 | 1132.59405 | 0.89663 | 0.00034 |
| OS07G0559400 | 1015.48542 | 571.1446 | 0.83024 | 0.00627 |
| OS07G0559700 | 3990.93438 | 1947.59258 | 1.035 | 0.00225 |

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| OS07G0561500 | 1802.25848 | 963.32252 | 0.90372 | 0.0002 |
| OS07G0562400 | 28.8752 | 10.96787 | 1.3965 | 0.02485 |
| OS07G0562800 | 7323.20453 | 5059.53376 | 0.53347 | 0.0135 |
| OS07G0563700 | 33.54529 | 101.70832 | -1.6003 | 1.92E-06 |
| OS07G0564200 | 16.17056 | 43.82175 | -1.4383 | 0.0059 |
| OS07G0564500 | 215.98876 | 24.55736 | 3.1367 | 6.83E-29 |
| OS07G0565100 | 202.88598 | 418.93392 | -1.0461 | 4.73E-06 |
| OS07G0566500 | 60.03979 | 20.48474 | 1.5514 | 0.0073 |
| OS07G0568100 | 166.15774 | 257.68497 | -0.63305 | 0.02394 |
| OS07G0568600 | 505.6582 | 337.27671 | 0.58423 | 0.01351 |
| OS07G0569800 | 13.00912 | 78.74276 | -2.5976 | 3.23E-10 |
| OS07G0570100 | 73.24065 | 344.02255 | -2.2318 | 4.17E-15 |
| OS07G0575366 | 95.1088 | 46.28476 | 1.039 | 0.00672 |
| OS07G0575500 | 140.10684 | 73.99591 | 0.92101 | 0.00246 |
| OS07G0576600 | 120.13087 | 61.87564 | 0.95716 | 0.00224 |
| OS07G0577600 | 34824.1388 | 18777.42545 | 0.89109 | 0.03092 |
| OS07G0578200 | 604.40993 | 423.42875 | 0.51341 | 0.03885 |
| OS07G0578333 | 13.4552 | 2.73781 | 2.2971 | 0.0259 |
| OS07G0580500 | 365.56246 | 529.5747 | -0.53472 | 0.03885 |
| OS07G0581300 | 554.32654 | 387.15821 | 0.51781 | 0.04118 |
| OS07G0583200 | 72.99742 | 199.41333 | -1.4498 | 1.24E-07 |
| OS07G0585000 | 1200.39482 | 1990.9834 | -0.72997 | 0.00059 |
| OS07G0585600 | 48.94019 | 91.42799 | -0.90162 | 0.0143 |
| OS07G0586100 | 32.61432 | 8.78289 | 1.8927 | 0.00118 |
| OS07G0587500 | 489.32848 | 319.53174 | 0.61484 | 0.00986 |
| OS07G0588900 | 126.00619 | 213.09764 | -0.75802 | 0.00886 |
| OS07G0589600 | 165.66287 | 65.03912 | 1.3489 | 0.00012 |

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|--------------|------------|------------|----------|----------|
| OS07G0591100 | 123.01402 | 50.23898 | 1.2919 | 3.08E-05 |
| OS07G0592300 | 671.5143 | 430.04243 | 0.64294 | 0.00523 |
| OS07G0595700 | 1387.34423 | 857.09891 | 0.69479 | 0.00091 |
| OS07G0595800 | 41.48834 | 93.73319 | -1.1759 | 0.00124 |
| OS07G0597200 | 168.32015 | 307.14427 | -0.86771 | 0.0019 |
| OS07G0597400 | 97.6712 | 184.55461 | -0.91804 | 0.00129 |
| OS07G0597500 | 48.92647 | 97.91603 | -1.0009 | 0.01031 |
| OS07G0598100 | 66.83621 | 223.2996 | -1.7403 | 3.58E-10 |
| OS07G0598200 | 179.00272 | 327.30328 | -0.87065 | 0.00051 |
| OS07G0599000 | 84.62942 | 180.77971 | -1.095 | 9.86E-05 |
| OS07G0601100 | 0 | 9.112 | | 0.00242 |
| OS07G0601900 | 31.14448 | 3.63449 | 3.0992 | 1.60E-06 |
| OS07G0603200 | 12.93016 | 53.78597 | -2.0565 | 1.30E-05 |
| OS07G0603800 | 43.56585 | 249.33954 | -2.5168 | 9.30E-10 |
| OS07G0605200 | 2869.80362 | 1928.57156 | 0.57342 | 0.00744 |
| OS07G0605350 | 594.21151 | 79.933 | 2.8941 | 9.73E-33 |
| OS07G0605400 | 1877.9509 | 368.26418 | 2.3503 | 0.00056 |
| OS07G0607400 | 22.24787 | 2.59923 | 3.0975 | 0.03862 |
| OS07G0608100 | 462.97196 | 826.54926 | -0.83618 | 0.00012 |
| OS07G0608900 | 197.6506 | 325.02396 | -0.71759 | 0.00543 |
| OS07G0609000 | 257.0762 | 446.96995 | -0.79798 | 0.00075 |
| OS07G0613500 | 1982.38833 | 1096.42643 | 0.85443 | 0.03489 |
| OS07G0613600 | 1.44225 | 17.37699 | -3.5908 | 0.00055 |
| OS07G0613800 | 207.72389 | 132.66929 | 0.64683 | 0.01917 |
| OS07G0614000 | 1395.69015 | 601.26889 | 1.2149 | 0.02832 |
| OS07G0614250 | 204.77939 | 80.28411 | 1.3509 | 0.01085 |
| OS07G0614300 | 30.05435 | 12.2397 | 1.296 | 0.03314 |

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| OS07G0614600 | 255.8723 | 497.67982 | -0.95979 | 1.40E-05 |
| OS07G0615200 | 5506.05136 | 2931.79611 | 0.90923 | 0.00374 |
| OS07G0615800 | 88.89852 | 148.25155 | -0.73782 | 0.01831 |
| OS07G0616600 | 155.19344 | 273.50042 | -0.81748 | 0.00237 |
| OS07G0617000 | 62.41551 | 224.26691 | -1.8452 | 4.65E-12 |
| OS07G0617700 | 876.64534 | 475.4264 | 0.88277 | 4.01E-05 |
| OS07G0619200 | 1172.12225 | 626.14143 | 0.90456 | 1.62E-05 |
| OS07G0619400 | 1978.60723 | 821.62995 | 1.2679 | 3.07E-05 |
| OS07G0619800 | 134.06358 | 71.9637 | 0.89758 | 0.00411 |
| OS07G0620500 | 108.47752 | 212.636 | -0.97099 | 0.00028 |
| OS07G0621500 | 148.37456 | 239.58905 | -0.69132 | 0.01031 |
| OS07G0622100 | 492.74659 | 705.4684 | -0.51774 | 0.02888 |
| OS07G0622200 | 267.67033 | 93.34393 | 1.5198 | 0.00023 |
| OS07G0622400 | 22.68517 | 6.29465 | 1.8496 | 0.0104 |
| OS07G0625800 | 148.96849 | 90.7611 | 0.71486 | 0.04457 |
| OS07G0626100 | 44.44552 | 79.59694 | -0.84067 | 0.04045 |
| OS07G0626400 | 2060.62905 | 1284.73697 | 0.68161 | 0.00093 |
| OS07G0628700 | 360.43214 | 86.71473 | 2.0554 | 0.00036 |
| OS07G0628900 | 57.82303 | 17.66392 | 1.7108 | 7.01E-05 |
| OS07G0630800 | 4177.65458 | 2484.43766 | 0.74977 | 0.00013 |
| OS07G0631500 | 53.73934 | 182.59831 | -1.7646 | 4.04E-10 |
| OS07G0631700 | 78.08221 | 140.88429 | -0.85144 | 0.00938 |
| OS07G0636000 | 50.22085 | 134.35354 | -1.4197 | 4.37E-06 |
| OS07G0637200 | 218.74417 | 131.21511 | 0.73731 | 0.04605 |
| OS07G0637300 | 41353.2712 | 25715.63358 | 0.68536 | 0.00069 |
| OS07G0638100 | 762.66918 | 457.19533 | 0.73825 | 0.00052 |
| OS07G0641600 | 32.93384 | 72.19285 | -1.1323 | 0.00391 |

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| OS07G0642200 | 38.01226 | 1.17022 | 5.0216 | 0.00466 |
| OS07G0643100 | 171.87175 | 417.69491 | -1.2811 | 3.27E-08 |
| OS07G0645400 | 1153.77103 | 782.66868 | 0.55988 | 0.01463 |
| OS07G0645500 | 111.48608 | 51.91756 | 1.1026 | 0.00084 |
| OS07G0646100 | 589.6465 | 361.53063 | 0.70573 | 0.03726 |
| OS07G0647300 | 11.18465 | 33.86706 | -1.5984 | 0.0064 |
| OS07G0647900 | 24.30662 | 79.06792 | -1.7017 | 9.45E-06 |
| OS07G0650375 | 4.90066 | 0 | | 0.03373 |
| OS07G0650600 | 1962.34236 | 3328.9446 | -0.76249 | 9.79E-05 |
| OS07G0654100 | 5.42698 | 32.25485 | -2.5713 | 0.00017 |
| OS07G0656200 | 60.78149 | 18.30528 | 1.7314 | 3.63E-05 |
| OS07G0656700 | 4198.06574 | 2810.12998 | 0.57909 | 0.00488 |
| OS07G0656900 | 148.31681 | 230.91487 | -0.63868 | 0.02588 |
| OS07G0657100 | 26.5846 | 8.45741 | 1.6523 | 0.0089 |
| OS07G0658000 | 895.81229 | 632.65357 | 0.50178 | 0.02852 |
| OS07G0658100 | 216.93619 | 132.33519 | 0.71307 | 0.01154 |
| OS07G0658200 | 65.27739 | 119.58824 | -0.87342 | 0.00886 |
| OS07G0659400 | 6310.26742 | 3067.19558 | 1.0408 | 5.83E-07 |
| OS07G0659900 | 571.44798 | 354.57251 | 0.68854 | 0.00251 |
| OS07G0662800 | 534.70826 | 316.84318 | 0.75498 | 0.00396 |
| OS07G0663700 | 338.99532 | 99.76479 | 1.7647 | 9.09E-09 |
| OS07G0664000 | 182.04237 | 38.47982 | 2.2421 | 0.00015 |
| OS07G0665200 | 439.99944 | 261.14485 | 0.75265 | 0.0395 |
| OS07G0666900 | 346.87716 | 169.28952 | 1.0349 | 1.54E-05 |
| OS07G0667000 | 997.68339 | 642.4811 | 0.63493 | 0.00449 |
| OS07G0667300 | 44.26139 | 103.70341 | -1.2283 | 0.01083 |
| OS07G0668700 | 435.13044 | 260.56252 | 0.73982 | 0.00242 |

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| OS07G0668900 | 293.53009 | 195.92118 | 0.58324 | 0.03168 |
| OS07G0669700 | 370.37035 | 579.73911 | -0.64644 | 0.00792 |
| OS07G0670300 | 85.29231 | 26.41481 | 1.6911 | 0.00013 |
| OS07G0670600 | 66.23475 | 132.87856 | -1.0044 | 0.00154 |
| OS07G0671000 | 336.66947 | 100.36934 | 1.746 | 0.02778 |
| OS07G0671700 | 253.00269 | 369.57674 | -0.54672 | 0.03945 |
| OS07G0672500 | 1376.28637 | 1997.06794 | -0.5371 | 0.01566 |
| OS07G0673400 | 80.03189 | 138.84869 | -0.79487 | 0.04254 |
| OS07G0673801 | 2.58502 | 17.69498 | -2.7751 | 0.00362 |
| OS07G0673900 | 24.90052 | 124.48447 | -2.3217 | 1.00E-07 |
| OS07G0674200 | 496.75169 | 807.19763 | -0.7004 | 0.00141 |
| OS07G0677200 | 1211.71165 | 4313.69809 | -1.8319 | 0.00108 |
| OS07G0677600 | 2.70908 | 97.47712 | -5.1692 | 4.20E-05 |
| OS07G0678600 | 679.51292 | 1561.08644 | -1.2 | 1.62E-09 |
| OS07G0680000 | 54.72935 | 115.16617 | -1.0733 | 0.00109 |
| OS07G0680400 | 55.13918 | 167.25052 | -1.6009 | 1.43E-08 |
| OS07G0681000 | 172.28251 | 276.41806 | -0.68208 | 0.01172 |
| OS07G0681100 | 387.31765 | 205.25863 | 0.91607 | 0.00012 |
| OS07G0681400 | 1727.74884 | 891.32741 | 0.95487 | 3.58E-06 |
| OS07G0682700 | 98.56471 | 232.79875 | -1.2399 | 0.00286 |
| OS07G0682800 | 119.78478 | 220.21352 | -0.87846 | 0.00157 |
| OS07G0683200 | 53.76446 | 809.29453 | -3.9119 | 0.00014 |
| OS07G0683600 | 49.99278 | 13.63552 | 1.8743 | 5.08E-05 |
| OS07G0685700 | 12385.63391 | 6230.93155 | 0.99115 | 6.17E-06 |
| OS07G0686300 | 1.04504 | 144.32377 | -7.1096 | 6.04E-21 |
| OS07G0687200 | 657.09589 | 1074.73753 | -0.70981 | 0.00139 |
| OS07G0687700 | 675.02473 | 1035.75595 | -0.61767 | 0.0065 |

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| OS07G0687900 | 23.75525 | 211.30986 | -3.153 | 0.03948 |
| OS07G0689300 | 44.31646 | 82.11072 | -0.88973 | 0.02044 |
| OS07G0690900 | 158.03929 | 320.25043 | -1.0189 | 3.10E-05 |
| OS07G0691200 | 3891.15462 | 1511.41737 | 1.3643 | 5.74E-08 |
| OS07G0694000 | 3474.01128 | 2408.13088 | 0.52869 | 0.01463 |
| OS07G0695700 | 200.31199 | 33.56034 | 2.5774 | 1.76E-20 |
| OS08G0100200 | 14.73702 | 72.4004 | -2.2966 | 1.78E-07 |
| OS08G0100300 | 22.12246 | 91.67567 | -2.051 | 1.84E-08 |
| OS08G0101100 | 25.56338 | 5.167 | 2.3067 | 0.0012 |
| OS08G0101700 | 6052.90395 | 3239.23821 | 0.90197 | 2.63E-06 |
| OS08G0103000 | 1181.4004 | 836.87616 | 0.49741 | 0.04094 |
| OS08G0103300 | 343.77586 | 498.07116 | -0.53488 | 0.03917 |
| OS08G0104700 | 132.81157 | 231.61968 | -0.80238 | 0.00319 |
| OS08G0109300 | 3870.6817 | 1437.32092 | 1.4292 | 1.39E-14 |
| OS08G0109400 | 781.13143 | 373.14974 | 1.0658 | 2.77E-07 |
| OS08G0110000 | 826.29006 | 547.78551 | 0.59304 | 0.00945 |
| OS08G0110400 | 1064.35439 | 608.57794 | 0.80646 | 0.00051 |
| OS08G0111200 | 595.84733 | 1228.6844 | -1.0441 | 0.00742 |
| OS08G0111300 | 8.10468 | 54.27226 | -2.7434 | 2.38E-08 |
| OS08G0112700 | 229.35531 | 114.54122 | 1.0017 | 9.37E-05 |
| OS08G0113000 | 2.43592 | 37.76169 | -3.9544 | 9.84E-06 |
| OS08G0113300 | 59.73518 | 110.74804 | -0.89063 | 0.00955 |
| OS08G0113600 | 1.0939 | 13.94588 | -3.6723 | 0.01997 |
| OS08G0114100 | 6457.58793 | 3144.04137 | 1.0384 | 2.81E-08 |
| OS08G0117300 | 502.67592 | 728.47986 | -0.53526 | 0.0216 |
| OS08G0118900 | 781.85183 | 471.38533 | 0.72999 | 0.00074 |
| OS08G0120200 | 30.06683 | 60.45955 | -1.0078 | 0.02187 |

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| OS08G0120301 | 63.76738 | 150.95903 | -1.2433 | 0.00032 |
| OS08G0120500 | 201.48228 | 371.99798 | -0.88464 | 0.00023 |
| OS08G0122000 | 1276.57019 | 869.99634 | 0.55319 | 0.01514 |
| OS08G0127100 | 738.78429 | 1558.68057 | -1.0771 | 0.00482 |
| OS08G0127800 | 27.58961 | 64.35094 | -1.2218 | 0.00333 |
| OS08G0128200 | 615.68188 | 271.36091 | 1.182 | 2.93E-08 |
| OS08G0129200 | 142.24077 | 271.55902 | -0.93293 | 0.00024 |
| OS08G0133600 | 42.86538 | 79.63148 | -0.89353 | 0.02572 |
| OS08G0135900 | 1020.94682 | 485.40467 | 1.0726 | 8.12E-08 |
| OS08G0138900 | 6408.40873 | 2197.03703 | 1.5444 | 6.29E-07 |
| OS08G0139100 | 59.64878 | 26.59461 | 1.1654 | 0.00744 |
| OS08G0139700 | 68438.09949 | 20241.47282 | 1.7575 | 1.40E-13 |
| OS08G0140500 | 736.61557 | 333.15833 | 1.1447 | 0.00606 |
| OS08G0143900 | 1975.59605 | 1255.06391 | 0.65453 | 0.00244 |
| OS08G0144000 | 6881.38372 | 3557.13891 | 0.95198 | 5.78E-07 |
| OS08G0150800 | 36.29074 | 105.31104 | -1.537 | 4.01E-06 |
| OS08G0152366 | 3852.62343 | 2199.58187 | 0.80861 | 2.85E-05 |
| OS08G0152700 | 590.984 | 417.00883 | 0.50304 | 0.04602 |
| OS08G0153900 | 69.77226 | 17.15366 | 2.0241 | 0.00067 |
| OS08G0155000 | 73.72048 | 169.36213 | -1.2 | 2.26E-05 |
| OS08G0156600 | 2625.04782 | 957.5488 | 1.4549 | 4.59E-07 |
| OS08G0156800 | 229.77984 | 330.83778 | -0.52587 | 0.044 |
| OS08G0157400 | 426.80234 | 239.14271 | 0.8357 | 0.00035 |
| OS08G0157600 | 68076.56069 | 42795.38606 | 0.6697 | 0.00093 |
| OS08G0158800 | 5.22774 | 33.07941 | -2.6617 | 2.09E-05 |
| OS08G0162100 | 5854.57166 | 3310.09979 | 0.82269 | 3.22E-05 |
| OS08G0163400 | 2261.40973 | 1467.01661 | 0.62434 | 0.00274 |

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| OS08G0167800 | 1331.1077 | 3.59003 | 8.5344 | 1.78E-19 |
| OS08G0168000 | 26.37903 | 0 | | 0.0008 |
| OS08G0169300 | 12.01045 | 0.90953 | 3.723 | 0.01523 |
| OS08G0171700 | 194.03065 | 71.74195 | 1.4354 | 1.17E-07 |
| OS08G0174100 | 900.26722 | 384.02394 | 1.2292 | 0.02025 |
| OS08G0174300 | 332.29963 | 60.24971 | 2.4635 | 0.04663 |
| OS08G0178800 | 5345.95107 | 2648.26415 | 1.0134 | 7.08E-08 |
| OS08G0183900 | 1237.6387 | 650.30762 | 0.9284 | 5.98E-06 |
| OS08G0185701 | 12.3312 | 142.16936 | -3.5272 | 2.30E-23 |
| OS08G0187800 | 1102.41369 | 775.79758 | 0.50691 | 0.03643 |
| OS08G0187900 | 2648.47325 | 1053.85699 | 1.3295 | 8.61E-07 |
| OS08G0189900 | 76.60473 | 409.41942 | -2.4181 | 3.74E-08 |
| OS08G0190100 | 2.81059 | 53.63091 | -4.2541 | 1.98E-13 |
| OS08G0190300 | 290.26081 | 91.92312 | 1.6589 | 5.23E-12 |
| OS08G0191700 | 733.11835 | 312.72979 | 1.2291 | 3.40E-08 |
| OS08G0192300 | 39.03493 | 13.79097 | 1.501 | 0.00387 |
| OS08G0192800 | 582.97806 | 994.07023 | -0.76991 | 0.00042 |
| OS08G0197500 | 57.35946 | 103.65295 | -0.85366 | 0.01551 |
| OS08G0199000 | 36.51504 | 65.98507 | -0.85365 | 0.04476 |
| OS08G0200300 | 64157.89247 | 36235.39074 | 0.82423 | 4.20E-05 |
| OS08G0200500 | 50.18825 | 150.233 | -1.5818 | 7.38E-08 |
| OS08G0200750 | 10.44665 | 27.14917 | -1.3779 | 0.03749 |
| OS08G0201500 | 10.34263 | 61.56347 | -2.5735 | 9.89E-09 |
| OS08G0201700 | 2.51361 | 22.25359 | -3.1462 | 0.00497 |
| OS08G0202300 | 2399.37556 | 8500.08889 | -1.8248 | 5.90E-14 |
| OS08G0203100 | 8.6811 | 79.63691 | -3.1975 | 3.54E-08 |
| OS08G0203150 | 3.88195 | 22.33509 | -2.5245 | 0.00588 |

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| OS08G0203201 | 2.48729 | 38.41069 | -3.9489 | 8.27E-09 |
| OS08G0203300 | 17.56649 | 85.20154 | -2.2781 | 3.11E-09 |
| OS08G0203400 | 22.54715 | 5811.41491 | -8.0098 | 3.33E-147 |
| OS08G0203600 | 307.88702 | 2481.1063 | -3.0105 | 1.50E-42 |
| OS08G0203900 | 47.74978 | 94.4432 | -0.98395 | 0.00722 |
| OS08G0204632 | 8.45681 | 23.96204 | -1.5026 | 0.04054 |
| OS08G0205300 | 23.77402 | 51.97992 | -1.1286 | 0.01855 |
| OS08G0205800 | 157.39988 | 78.28255 | 1.0077 | 0.01791 |
| OS08G0205900 | 376.10314 | 111.59332 | 1.7529 | 0.00233 |
| OS08G0221300 | 1627.59185 | 698.1495 | 1.2211 | 3.95E-10 |
| OS08G0224800 | 103.65451 | 45.2733 | 1.1951 | 0.00031 |
| OS08G0225050 | 37.11022 | 74.16122 | -0.99885 | 0.0147 |
| OS08G0230300 | 126.45749 | 77.10658 | 0.71373 | 0.03681 |
| OS08G0230800 | 260.89736 | 14.82434 | 4.1374 | 9.88E-10 |
| OS08G0231100 | 320.07835 | 164.54088 | 0.95998 | 6.82E-05 |
| OS08G0231400 | 166.31052 | 12870.93028 | -6.2741 | 4.87E-84 |
| OS08G0233400 | 415.19107 | 225.12127 | 0.88307 | 0.00017 |
| OS08G0233600 | 518.0475 | 330.24029 | 0.64957 | 0.00618 |
| OS08G0235550 | 156.00038 | 258.92978 | -0.73101 | 0.00931 |
| OS08G0235800 | 180.97103 | 356.87046 | -0.97964 | 0.00146 |
| OS08G0237200 | 1878.31587 | 1256.12686 | 0.58046 | 0.00608 |
| OS08G0241600 | 287.49155 | 116.36224 | 1.3049 | 9.69E-08 |
| OS08G0241900 | 99.04441 | 48.6728 | 1.025 | 0.00325 |
| OS08G0242700 | 4164.06737 | 2871.72377 | 0.53608 | 0.01348 |
| OS08G0243500 | 3812.49485 | 1832.41767 | 1.057 | 3.19E-08 |
| OS08G0244400 | 27.16607 | 54.40525 | -1.0019 | 0.03418 |
| OS08G0246700 | 193.09443 | 312.49531 | -0.69453 | 0.00571 |

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| OS08G0246800 | 635.01872 | 961.39959 | -0.59834 | 0.00698 |
| OS08G0247600 | 2529.73017 | 1596.72765 | 0.66387 | 0.02078 |
| OS08G0249000 | 1857.45949 | 950.46478 | 0.96663 | 7.81E-07 |
| OS08G0250900 | 7801.28232 | 4768.22604 | 0.71026 | 0.00026 |
| OS08G0255500 | 225.82521 | 339.32209 | -0.58745 | 0.02446 |
| OS08G0256000 | 59.94949 | 109.27229 | -0.86611 | 0.0171 |
| OS08G0256700 | 3.48096 | 61.16609 | -4.1352 | 2.06E-14 |
| OS08G0260600 | 34.85227 | 457.65732 | -3.7149 | 1.17E-10 |
| OS08G0263100 | 32.78232 | 3.57718 | 3.196 | 0.0285 |
| OS08G0266300 | 784.9604 | 552.65627 | 0.50624 | 0.04019 |
| OS08G0266400 | 236.13289 | 154.31382 | 0.61373 | 0.03309 |
| OS08G0268900 | 39.67269 | 79.47815 | -1.0024 | 0.01038 |
| OS08G0269500 | 205.21891 | 85.32056 | 1.2662 | 2.14E-06 |
| OS08G0269600 | 408.75594 | 100.75361 | 2.0204 | 2.79E-14 |
| OS08G0269700 | 840.16814 | 299.15954 | 1.4898 | 4.90E-05 |
| OS08G0269800 | 808.40896 | 553.67735 | 0.54604 | 0.01696 |
| OS08G0270500 | 473.82941 | 156.47878 | 1.5984 | 2.40E-13 |
| OS08G0276100 | 1867.89312 | 1191.97505 | 0.64806 | 0.00657 |
| OS08G0277200 | 136.79019 | 20.43507 | 2.7428 | 2.19E-15 |
| OS08G0280200 | 30.48909 | 78.42143 | -1.363 | 0.00303 |
| OS08G0280600 | 20.14523 | 5.72708 | 1.8146 | 0.02124 |
| OS08G0288000 | 2147.09504 | 1494.94385 | 0.52229 | 0.01972 |
| OS08G0288200 | 861.1081 | 608.33326 | 0.50133 | 0.04207 |
| OS08G0289000 | 154.25643 | 245.89648 | -0.67272 | 0.01908 |
| OS08G0290400 | 452.6227 | 297.9273 | 0.60335 | 0.01544 |
| OS08G0292400 | 118.86142 | 73.147 | 0.70041 | 0.04073 |
| OS08G0295300 | 134.60081 | 270.89031 | -1.009 | 5.41E-05 |

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| OS08G0296900 | 1750.25189 | 1082.78512 | 0.69282 | 0.00094 |
| OS08G0300200 | 727.53241 | 515.94403 | 0.4958 | 0.04646 |
| OS08G0300700 | 52.48512 | 99.99443 | -0.92994 | 0.00935 |
| OS08G0313200 | 594.09016 | 411.27593 | 0.53058 | 0.03049 |
| OS08G0318400 | 107.8924 | 186.473 | -0.78937 | 0.00722 |
| OS08G0319900 | 152.32659 | 229.81112 | -0.59328 | 0.04428 |
| OS08G0320000 | 126.12536 | 242.52189 | -0.94326 | 0.00028 |
| OS08G0323400 | 1073.61777 | 614.33407 | 0.80539 | 0.00528 |
| OS08G0323600 | 46.63716 | 94.66684 | -1.0214 | 0.00373 |
| OS08G0326900 | 375.22122 | 214.64536 | 0.80579 | 0.00077 |
| OS08G0337100 | 34.37354 | 65.71162 | -0.93485 | 0.03896 |
| OS08G0337700 | 50.04042 | 166.32689 | -1.7329 | 9.25E-10 |
| OS08G0337800 | 4.3318 | 35.32193 | -3.0275 | 1.33E-06 |
| OS08G0338000 | 108.51756 | 282.90937 | -1.3824 | 1.76E-08 |
| OS08G0338700 | 42.32297 | 101.89522 | -1.2676 | 0.00018 |
| OS08G0347200 | 20.87075 | 67.06668 | -1.6841 | 4.26E-05 |
| OS08G0351200 | 1.88833 | 14.9407 | -2.9841 | 0.00492 |
| OS08G0351300 | 60.00969 | 413.6401 | -2.7851 | 1.19E-05 |
| OS08G0355400 | 755.58362 | 2457.18998 | -1.7013 | 6.51E-06 |
| OS08G0355500 | 744.53033 | 1068.52332 | -0.52122 | 0.02258 |
| OS08G0356700 | 279.38709 | 37.47562 | 2.8982 | 1.27E-12 |
| OS08G0357000 | 74.17789 | 172.98069 | -1.2215 | 1.26E-05 |
| OS08G0359500 | 313.45452 | 505.35547 | -0.68904 | 0.0029 |
| OS08G0363000 | 77.04486 | 123.9418 | -0.68589 | 0.04925 |
| OS08G0364900 | 1966.71263 | 869.53411 | 1.1775 | 0.03118 |
| OS08G0365900 | 16.61413 | 41.68138 | -1.327 | 0.0111 |
| OS08G0374800 | 1214.82875 | 752.77289 | 0.69047 | 0.00502 |

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|--------------|-------------|------------|----------|----------|
| OS08G0375400 | 42.06212 | 4.22602 | 3.3151 | 0.00204 |
| OS08G0378000 | 227.65805 | 722.61161 | -1.6664 | 5.33E-10 |
| OS08G0384000 | 56.74046 | 104.26104 | -0.87775 | 0.01173 |
| OS08G0384500 | 200.88211 | 787.31065 | -1.9706 | 6.03E-21 |
| OS08G0385000 | 784.686 | 326.61728 | 1.2645 | 7.61E-10 |
| OS08G0386800 | 4429.56231 | 2630.68225 | 0.75173 | 0.00014 |
| OS08G0387500 | 1221.32603 | 817.21424 | 0.57966 | 0.00896 |
| OS08G0387700 | 20.02496 | 52.46756 | -1.3896 | 0.00255 |
| OS08G0389700 | 6290.95716 | 3769.19712 | 0.73902 | 0.00339 |
| OS08G0392100 | 836.43763 | 423.78852 | 0.98091 | 0.00012 |
| OS08G0401100 | 22.0173 | 53.9188 | -1.2922 | 0.00513 |
| OS08G0407200 | 3573.56367 | 1488.51077 | 1.2635 | 1.91E-11 |
| OS08G0407600 | 11580.17087 | 5051.40998 | 1.1969 | 1.88E-06 |
| OS08G0409100 | 1283.47013 | 829.51164 | 0.62972 | 0.04978 |
| OS08G0409500 | 15.58043 | 46.99194 | -1.5927 | 0.0042 |
| OS08G0410500 | 106.40494 | 46.28981 | 1.2008 | 0.00031 |
| OS08G0411200 | 285.23211 | 180.8419 | 0.65741 | 0.01393 |
| OS08G0412800 | 14.53034 | 1.60094 | 3.1821 | 0.0021 |
| OS08G0416000 | 1990.89466 | 5917.03737 | -1.5715 | 0.00012 |
| OS08G0416250 | 14.44887 | 33.28263 | -1.2038 | 0.04433 |
| OS08G0416900 | 74.83073 | 135.29381 | -0.85439 | 0.00819 |
| OS08G0424500 | 602.64775 | 290.78383 | 1.0514 | 1.36E-06 |
| OS08G0425500 | 113.11603 | 24.35225 | 2.2157 | 0.03662 |
| OS08G0425800 | 969.50006 | 543.85297 | 0.83402 | 8.02E-05 |
| OS08G0428200 | 0.77188 | 38.36527 | -5.6353 | 3.05E-05 |
| OS08G0428400 | 638.5396 | 949.70504 | -0.5727 | 0.01761 |
| OS08G0428900 | 3863.00698 | 1940.76371 | 0.9931 | 2.89E-07 |

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| OS08G0432500 | 3124.82199 | 1737.24847 | 0.84697 | 1.27E-05 |
| OS08G0433600 | 888.69473 | 604.13966 | 0.55681 | 0.01347 |
| OS08G0434100 | 15.86858 | 4.24825 | 1.9012 | 0.03566 |
| OS08G0434500 | 52.22573 | 0 | | 3.20E-11 |
| OS08G0434632 | 72.60646 | 3.64923 | 4.3144 | 1.06E-05 |
| OS08G0434700 | 672.78681 | 425.66434 | 0.66043 | 0.00319 |
| OS08G0435800 | 49.27732 | 94.75182 | -0.94323 | 0.00822 |
| OS08G0436800 | 225.05205 | 388.53549 | -0.78779 | 0.00094 |
| OS08G0437300 | 45.85279 | 83.18894 | -0.85938 | 0.02329 |
| OS08G0438600 | 54.48239 | 154.63095 | -1.505 | 2.25E-07 |
| OS08G0440800 | 14356.34461 | 8368.10457 | 0.77872 | 6.35E-05 |
| OS08G0441100 | 275.87293 | 125.17705 | 1.14 | 0.00885 |
| OS08G0448000 | 31.48649 | 94.62633 | -1.5875 | 1.72E-05 |
| OS08G0450200 | 6.71758 | 21.1577 | -1.6552 | 0.04606 |
| OS08G0451200 | 341.85387 | 219.37399 | 0.63999 | 0.01424 |
| OS08G0452900 | 19.03252 | 283.47947 | -3.8967 | 6.70E-13 |
| OS08G0453700 | 70.81216 | 133.47584 | -0.91451 | 0.00348 |
| OS08G0455800 | 529.8993 | 269.02041 | 0.978 | 1.04E-05 |
| OS08G0457600 | 4842.44264 | 1959.16497 | 1.3055 | 1.25E-12 |
| OS08G0457901 | 24.44689 | 5.64944 | 2.1135 | 0.01521 |
| OS08G0458200 | 65.20483 | 28.65788 | 1.186 | 0.0044 |
| OS08G0460800 | 311.35094 | 208.02129 | 0.58181 | 0.03035 |
| OS08G0463500 | 103.32242 | 56.82522 | 0.86255 | 0.01163 |
| OS08G0464950 | 60.00091 | 143.41675 | -1.2572 | 3.02E-05 |
| OS08G0465700 | 2044.5755 | 3213.44181 | -0.65232 | 0.04489 |
| OS08G0465800 | 3163.68325 | 1201.59672 | 1.3967 | 1.62E-10 |
| OS08G0466200 | 116.41574 | 1.65825 | 6.1335 | 1.64E-21 |

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|--------------|------------|------------|----------|----------|
| OS08G0468100 | 8276.13361 | 2640.32442 | 1.6482 | 4.79E-09 |
| OS08G0469600 | 32.12808 | 66.03308 | -1.0394 | 0.01358 |
| OS08G0470200 | 68.86614 | 32.69527 | 1.0747 | 0.008 |
| OS08G0470700 | 399.30102 | 144.29693 | 1.4684 | 3.79E-05 |
| OS08G0472400 | 49.39267 | 23.47401 | 1.0732 | 0.03461 |
| OS08G0472800 | 140.76855 | 44.21083 | 1.6709 | 4.44E-08 |
| OS08G0474800 | 198.56194 | 33.71752 | 2.558 | 0.00156 |
| OS08G0475100 | 334.9339 | 118.05264 | 1.5044 | 4.21E-08 |
| OS08G0475400 | 153.84013 | 238.2116 | -0.63081 | 0.02747 |
| OS08G0476100 | 98.576 | 256.09826 | -1.3774 | 0.02407 |
| OS08G0476300 | 121.45905 | 765.30966 | -2.6556 | 3.08E-06 |
| OS08G0477500 | 183.62001 | 62.00948 | 1.5662 | 0.00138 |
| OS08G0478700 | 5133.5922 | 3338.3411 | 0.62084 | 0.02 |
| OS08G0481100 | 35.80586 | 120.05365 | -1.7454 | 9.38E-08 |
| OS08G0481400 | 1215.53731 | 1902.03265 | -0.64595 | 0.0022 |
| OS08G0481700 | 64.55938 | 115.35473 | -0.83738 | 0.01728 |
| OS08G0482300 | 35.17667 | 87.16705 | -1.3092 | 0.00035 |
| OS08G0483100 | 70.71053 | 27.09912 | 1.3837 | 0.02829 |
| OS08G0483900 | 11.83753 | 1.46598 | 3.0134 | 0.00913 |
| OS08G0484200 | 71.78587 | 219.41713 | -1.6119 | 2.26E-06 |
| OS08G0485700 | 409.16847 | 613.86594 | -0.58523 | 0.01888 |
| OS08G0487100 | 142.20582 | 86.29986 | 0.72055 | 0.03117 |
| OS08G0487800 | 70.28712 | 114.10308 | -0.69901 | 0.04998 |
| OS08G0489300 | 3453.07478 | 1305.85923 | 1.4029 | 1.05E-08 |
| OS08G0492400 | 66.0243 | 130.23221 | -0.98002 | 0.00268 |
| OS08G0493900 | 62.44188 | 103.66005 | -0.73127 | 0.04198 |
| OS08G0495500 | 1223.50949 | 1859.95799 | -0.60424 | 0.00511 |

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| OS08G0498100 | 1551.54654 | 2188.85032 | -0.49647 | 0.03132 |
| OS08G0499300 | 13.42888 | 200.36961 | -3.8993 | 2.49E-06 |
| OS08G0499532 | 115.10115 | 177.26 | -0.62296 | 0.04592 |
| OS08G0500000 | 70.98381 | 133.2813 | -0.90891 | 0.00409 |
| OS08G0501500 | 40.04235 | 74.94714 | -0.90435 | 0.02217 |
| OS08G0501700 | 0.79442 | 39.05417 | -5.6194 | 4.48E-12 |
| OS08G0508600 | 38.23044 | 79.9702 | -1.0647 | 0.00541 |
| OS08G0508800 | 239.45577 | 1455.41668 | -2.6036 | 1.79E-12 |
| OS08G0509100 | 1007.0061 | 1700.51367 | -0.7559 | 0.02432 |
| OS08G0510700 | 1749.32686 | 1169.2176 | 0.58126 | 0.00609 |
| OS08G0512400 | 541.94628 | 787.71851 | -0.53953 | 0.02596 |
| OS08G0515800 | 45.28503 | 92.43165 | -1.0294 | 0.00526 |
| OS08G0517200 | 638.73493 | 1365.64366 | -1.0963 | 2.92E-08 |
| OS08G0517500 | 151.96691 | 368.33952 | -1.2773 | 3.90E-08 |
| OS08G0518200 | 10.51806 | 32.41779 | -1.6239 | 0.00721 |
| OS08G0519800 | 595.67205 | 897.61435 | -0.59158 | 0.00911 |
| OS08G0520700 | 379.0651 | 1018.82562 | -1.4264 | 7.81E-13 |
| OS08G0521800 | 3130.29311 | 2035.28973 | 0.62106 | 0.00263 |
| OS08G0524100 | 1047.94104 | 624.5769 | 0.74661 | 0.00067 |
| OS08G0526400 | 374.40652 | 680.29014 | -0.86154 | 0.01252 |
| OS08G0527700 | 4.34679 | 26.75125 | -2.6216 | 0.02314 |
| OS08G0530300 | 517.97115 | 886.81864 | -0.77577 | 0.00038 |
| OS08G0530801 | 13.73592 | 1.61205 | 3.091 | 0.00357 |
| OS08G0531000 | 10.96286 | 0.86334 | 3.6666 | 0.01189 |
| OS08G0531900 | 59.29266 | 1.9429 | 4.9316 | 0.00416 |
| OS08G0535600 | 10.67599 | 41.47816 | -1.958 | 0.00022 |
| OS08G0535700 | 35.87714 | 107.21003 | -1.5793 | 2.30E-06 |

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| OS08G0535900 | 26.30274 | 56.17047 | -1.0946 | 0.02092 |
| OS08G0536000 | 284.57198 | 436.64561 | -0.61767 | 0.01182 |
| OS08G0536300 | 52.35491 | 180.42027 | -1.785 | 2.45E-07 |
| OS08G0537001 | 399.54151 | 266.91985 | 0.58194 | 0.02499 |
| OS08G0537900 | 98.36033 | 159.43361 | -0.69681 | 0.02273 |
| OS08G0538000 | 106.75333 | 247.51516 | -1.2132 | 1.30E-06 |
| OS08G0538600 | 1864.20514 | 765.98317 | 1.2832 | 2.58E-11 |
| OS08G0539600 | 0 | 6.04682 | | 0.02906 |
| OS08G0539700 | 38.99612 | 648.68497 | -4.0561 | 5.37E-14 |
| OS08G0540000 | 20.18905 | 44.97155 | -1.1554 | 0.04829 |
| OS08G0542000 | 175.42035 | 273.63649 | -0.64144 | 0.01665 |
| OS08G0547800 | 52.76456 | 100.87281 | -0.9349 | 0.00809 |
| OS08G0547900 | 765.30034 | 435.32887 | 0.81392 | 0.00156 |
| OS08G0548400 | 246.43522 | 152.34367 | 0.69388 | 0.00821 |
| OS08G0548500 | 0 | 6.29639 | | 0.0234 |
| OS08G0549100 | 5745.57655 | 3851.06683 | 0.57719 | 0.00562 |
| OS08G0549200 | 13.68455 | 61.41852 | -2.1661 | 0.00054 |
| OS08G0549950 | 325.25853 | 211.91473 | 0.6181 | 0.015 |
| OS08G0555300 | 19.3984 | 50.5494 | -1.3818 | 0.00297 |
| OS08G0556200 | 221.57985 | 95.89784 | 1.2083 | 0.0018 |
| OS08G0556400 | 89.10808 | 26.90339 | 1.7278 | 0.00258 |
| OS08G0557400 | 870.2939 | 618.03443 | 0.49382 | 0.04734 |
| OS08G0557500 | 126.88098 | 195.30412 | -0.62225 | 0.03941 |
| OS08G0557700 | 119.20734 | 250.20237 | -1.0696 | 0.0001 |
| OS08G0558200 | 2838.71447 | 1117.99615 | 1.3443 | 6.28E-13 |
| OS08G0558300 | 52.45252 | 14.05529 | 1.8999 | 2.91E-05 |
| OS08G0559200 | 377.49018 | 554.03627 | -0.55354 | 0.02082 |

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| OS08G0559400 | 895.05634 | 1371.21154 | -0.6154 | 0.00507 |
| OS08G0559501 | 1.39338 | 14.97404 | -3.4258 | 0.00257 |
| OS08G0560000 | 28.4655 | 473.72952 | -4.0568 | 1.52E-13 |
| OS08G0562100 | 2135.15916 | 1401.51651 | 0.60735 | 0.00448 |
| OS08G0562300 | 3.2078 | 45.52052 | -3.8269 | 1.21E-05 |
| OS08G0562600 | 446.17302 | 780.28382 | -0.8064 | 0.00841 |
| OS08G0562800 | 216.06022 | 85.82885 | 1.3319 | 2.61E-07 |
| OS08G0564700 | 53.50389 | 97.37343 | -0.86388 | 0.0115 |
| OS08G0566400 | 608.41018 | 413.31959 | 0.55779 | 0.01853 |
| OS08G0566600 | 7438.85844 | 4348.72033 | 0.77449 | 7.61E-05 |
| OS08G0566900 | 276.55241 | 446.60216 | -0.69144 | 0.0036 |
| OS09G0101100 | 125.91992 | 207.07872 | -0.71767 | 0.01358 |
| OS09G0109800 | 1124.34252 | 630.24433 | 0.8351 | 7.48E-05 |
| OS09G0111800 | 1131.2375 | 751.49514 | 0.59007 | 0.00781 |
| OS09G0115500 | 1730.15998 | 854.17528 | 1.0183 | 0.00711 |
| OS09G0116400 | 130.16397 | 204.12822 | -0.64915 | 0.0256 |
| OS09G0123300 | 137.58707 | 260.88297 | -0.92306 | 0.0003 |
| OS09G0124850 | 0 | 108.0722 | | 8.77E-19 |
| OS09G0130300 | 18.00752 | 43.83822 | -1.2836 | 0.01331 |
| OS09G0130700 | 56.35208 | 99.90802 | -0.82613 | 0.02079 |
| OS09G0130800 | 2483.53021 | 1664.35821 | 0.57743 | 0.00826 |
| OS09G0132600 | 191.51169 | 290.97176 | -0.60345 | 0.02345 |
| OS09G0133700 | 48.1571 | 90.31682 | -0.90725 | 0.01417 |
| OS09G0133800 | 139.7922 | 264.57226 | -0.92038 | 0.00046 |
| OS09G0135501 | 92.71802 | 151.43942 | -0.70782 | 0.02571 |
| OS09G0135700 | 291.63916 | 645.42542 | -1.1461 | 0.02136 |
| OS09G0240200 | 3107.11289 | 1525.29818 | 1.0265 | 5.95E-08 |

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| OS09G0240500 | 2046.61506 | 1451.54531 | 0.49565 | 0.03305 |
| OS09G0246200 | 25.29778 | 59.988 | -1.2457 | 0.00369 |
| OS09G0249900 | 358.27712 | 232.0191 | 0.62683 | 0.01439 |
| OS09G0250700 | 1581.25937 | 709.4158 | 1.1564 | 2.75E-09 |
| OS09G0258000 | 3612.70625 | 2050.37159 | 0.81719 | 3.25E-05 |
| OS09G0268800 | 0 | 7.77349 | | 0.00737 |
| OS09G0272000 | 4452.35816 | 1406.20765 | 1.6628 | 1.11E-05 |
| OS09G0272200 | 809.40916 | 399.29492 | 1.0194 | 8.46E-07 |
| OS09G0272900 | 110.32692 | 1585.95467 | -3.8455 | 7.22E-37 |
| OS09G0274900 | 22.65379 | 231.5932 | -3.3538 | 4.21E-30 |
| OS09G0279600 | 171.84298 | 261.19325 | -0.60403 | 0.02326 |
| OS09G0287000 | 0.39721 | 24.7106 | -5.9591 | 3.79E-08 |
| OS09G0294000 | 1710.2678 | 276.76129 | 2.6275 | 0.01237 |
| OS09G0297400 | 169.6488 | 278.52776 | -0.71527 | 0.007 |
| OS09G0298200 | 65.81004 | 24.0136 | 1.4545 | 0.02888 |
| OS09G0299300 | 57.47469 | 21.4943 | 1.419 | 0.00093 |
| OS09G0306400 | 950.44265 | 480.54759 | 0.98392 | 2.29E-06 |
| OS09G0308900 | 121.75352 | 208.83267 | -0.77838 | 0.00503 |
| OS09G0309500 | 1093.94899 | 449.73399 | 1.2824 | 6.29E-11 |
| OS09G0309700 | 318.78122 | 192.36993 | 0.72868 | 0.00523 |
| OS09G0309900 | 103.42143 | 196.53292 | -0.92624 | 0.00102 |
| OS09G0313500 | 217.78356 | 332.33989 | -0.60976 | 0.02119 |
| OS09G0313550 | 8.95175 | 27.79628 | -1.6346 | 0.0116 |
| OS09G0315000 | 3239.34542 | 2023.97212 | 0.67851 | 0.00091 |
| OS09G0317700 | 2.33819 | 14.36564 | -2.6192 | 0.01325 |
| OS09G0318600 | 21.07377 | 48.54155 | -1.2038 | 0.01071 |
| OS09G0319800 | 0.69669 | 164.01629 | -7.8791 | 1.05E-08 |

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| OS09G0322400 | 1.58885 | 16.36033 | -3.3641 | 0.00087 |
| OS09G0322500 | 3.57869 | 24.06902 | -2.7497 | 0.00028 |
| OS09G0325700 | 1552.2227 | 600.19002 | 1.3708 | 2.19E-05 |
| OS09G0327300 | 103.15851 | 181.30716 | -0.81357 | 0.00439 |
| OS09G0327550 | 42.73139 | 77.47771 | -0.85849 | 0.03529 |
| OS09G0328600 | 0 | 7.01003 | | 0.01254 |
| OS09G0332600 | 139.99917 | 80.91442 | 0.79095 | 0.01237 |
| OS09G0334500 | 882.06268 | 1541.5907 | -0.80547 | 0.00818 |
| OS09G0337300 | 69.3874 | 152.33815 | -1.1345 | 0.00015 |
| OS09G0339000 | 272.30175 | 1045.52674 | -1.941 | 2.55E-12 |
| OS09G0343200 | 22.00104 | 345.45622 | -3.9729 | 7.27E-23 |
| OS09G0344800 | 2761.62918 | 1023.53811 | 1.432 | 6.95E-05 |
| OS09G0345300 | 248.06306 | 473.90106 | -0.93388 | 2.67E-05 |
| OS09G0346600 | 5.41815 | 92.71228 | -4.0969 | 4.60E-20 |
| OS09G0346900 | 39.99977 | 73.21518 | -0.87215 | 0.04663 |
| OS09G0350900 | 4.87562 | 149.44044 | -4.9378 | 3.61E-27 |
| OS09G0351700 | 4.71768 | 200.84554 | -5.4119 | 1.13E-30 |
| OS09G0351800 | 1.24428 | 40.62215 | -5.0289 | 6.16E-12 |
| OS09G0353200 | 116.66475 | 212.33795 | -0.86399 | 0.00503 |
| OS09G0356000 | 45.30648 | 21.81214 | 1.0546 | 0.04331 |
| OS09G0359800 | 18.13285 | 47.88711 | -1.401 | 0.0031 |
| OS09G0360400 | 558.10423 | 324.12718 | 0.78397 | 0.00039 |
| OS09G0362500 | 445.60742 | 285.60792 | 0.64174 | 0.00828 |
| OS09G0364000 | 28.4028 | 74.87525 | -1.3985 | 0.00031 |
| OS09G0365300 | 362.71571 | 186.46138 | 0.95996 | 7.32E-05 |
| OS09G0367900 | 6235.07252 | 4543.37245 | 0.45664 | 0.04127 |
| OS09G0371000 | 215.57061 | 483.65337 | -1.1658 | 0.0055 |

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| OS09G0372900 | 322.63446 | 219.65282 | 0.55468 | 0.0343 |
| OS09G0375900 | 470.86621 | 288.40555 | 0.70722 | 0.004 |
| OS09G0376300 | 3736.96924 | 1689.17318 | 1.1456 | 9.67E-10 |
| OS09G0376350 | 879.76323 | 369.77251 | 1.2505 | 9.66E-09 |
| OS09G0376700 | 119.62082 | 38.90691 | 1.6204 | 2.26E-07 |
| OS09G0376900 | 387.60033 | 670.78601 | -0.79128 | 0.00371 |
| OS09G0378300 | 83.56567 | 214.75028 | -1.3617 | 1.63E-07 |
| OS09G0380000 | 14.96636 | 52.68055 | -1.8155 | 6.63E-05 |
| OS09G0381600 | 102.87134 | 61.9644 | 0.73133 | 0.04053 |
| OS09G0386200 | 1509.36415 | 998.58959 | 0.59598 | 0.00586 |
| OS09G0392666 | 3150.53941 | 5378.26933 | -0.77154 | 0.00011 |
| OS09G0394700 | 586.72044 | 322.93076 | 0.86145 | 0.00051 |
| OS09G0394900 | 467.88342 | 247.73982 | 0.91732 | 0.00031 |
| OS09G0400400 | 0 | 24.64407 | | 4.48E-09 |
| OS09G0400500 | 109.08772 | 226.22251 | -1.0523 | 0.00011 |
| OS09G0401300 | 7443.31839 | 4395.16929 | 0.76003 | 0.00026 |
| OS09G0402300 | 513.6845 | 321.69615 | 0.67518 | 0.00577 |
| OS09G0403000 | 30.22222 | 61.98686 | -1.0364 | 0.0204 |
| OS09G0407700 | 304.90022 | 185.64969 | 0.71575 | 0.00475 |
| OS09G0408550 | 39.92208 | 16.73965 | 1.2539 | 0.02486 |
| OS09G0410125 | 389.63873 | 260.1091 | 0.58302 | 0.02954 |
| OS09G0410300 | 777.28974 | 526.64458 | 0.56162 | 0.01996 |
| OS09G0410400 | 210.16844 | 128.01639 | 0.71522 | 0.01408 |
| OS09G0412700 | 115.90441 | 57.94592 | 1.0002 | 0.00932 |
| OS09G0413500 | 144.20934 | 282.76424 | -0.97144 | 8.85E-05 |
| OS09G0414600 | 322.5718 | 195.94318 | 0.71918 | 0.0044 |
| OS09G0417600 | 827.6969 | 92.55998 | 3.1606 | 6.08E-06 |

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|--------------|------------|-------------|----------|----------|
| OS09G0417800 | 691.57322 | 53.07265 | 3.7038 | 0.01222 |
| OS09G0418000 | 624.81801 | 439.41704 | 0.50785 | 0.03376 |
| OS09G0419200 | 4409.04284 | 881.91277 | 2.3218 | 2.62E-10 |
| OS09G0421300 | 41.60743 | 1.83017 | 4.5068 | 0.00038 |
| OS09G0422000 | 2704.96476 | 1953.76193 | 0.46936 | 0.03559 |
| OS09G0425400 | 9.49934 | 0.30688 | 4.9521 | 0.00242 |
| OS09G0426500 | 708.02867 | 227.90018 | 1.6354 | 8.56E-07 |
| OS09G0427300 | 103.3637 | 180.31777 | -0.80281 | 0.02642 |
| OS09G0428600 | 9.97174 | 26.73872 | -1.423 | 0.03438 |
| OS09G0428900 | 200.74313 | 294.18027 | -0.55135 | 0.0486 |
| OS09G0429600 | 93.78547 | 167.36799 | -0.83559 | 0.00487 |
| OS09G0431100 | 43.51333 | 357.08062 | -3.0367 | 1.03E-32 |
| OS09G0432300 | 0.77188 | 35.98598 | -5.5429 | 0.00091 |
| OS09G0434500 | 9715.2231 | 27991.85071 | -1.5267 | 2.14E-17 |
| OS09G0434900 | 10.72486 | 34.94852 | -1.7043 | 0.00258 |
| OS09G0437500 | 516.34417 | 2394.68484 | -2.2134 | 5.84E-32 |
| OS09G0438100 | 1833.96707 | 806.32353 | 1.1855 | 2.18E-09 |
| OS09G0438700 | 138.28131 | 236.5427 | -0.77449 | 0.00305 |
| OS09G0439200 | 114.54311 | 15.60065 | 2.8762 | 0.00537 |
| OS09G0441000 | 48.62317 | 8.3152 | 2.5478 | 1.98E-07 |
| OS09G0441900 | 27.30511 | 9.65159 | 1.5003 | 0.01752 |
| OS09G0442300 | 232.78608 | 505.9763 | -1.1201 | 0.00075 |
| OS09G0442400 | 1.51744 | 11.73693 | -2.9513 | 0.01709 |
| OS09G0444900 | 58.50729 | 15.85022 | 1.8841 | 1.38E-05 |
| OS09G0446000 | 68.78224 | 122.54015 | -0.83315 | 0.01555 |
| OS09G0447300 | 20.98865 | 588.59175 | -4.8096 | 4.15E-16 |
| OS09G0447500 | 0.42353 | 11.2489 | -4.7312 | 0.00186 |

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|--------------|------------|------------|----------|----------|
| OS09G0448200 | 506.03033 | 52.05425 | 3.2811 | 8.01E-14 |
| OS09G0448500 | 5.71763 | 0.24957 | 4.5179 | 0.04948 |
| OS09G0449500 | 0 | 7.47945 | | 0.00926 |
| OS09G0450300 | 355.82973 | 140.26877 | 1.343 | 0.04039 |
| OS09G0451800 | 39.07246 | 74.2484 | -0.92621 | 0.0291 |
| OS09G0452800 | 770.90441 | 218.82691 | 1.8168 | 1.06E-13 |
| OS09G0453100 | 339.73354 | 553.70675 | -0.70472 | 0.00176 |
| OS09G0453800 | 2093.42628 | 1246.48495 | 0.748 | 0.00023 |
| OS09G0453900 | 1095.03093 | 497.8325 | 1.1372 | 1.34E-08 |
| OS09G0454600 | 201.95484 | 62.75206 | 1.6863 | 1.47E-09 |
| OS09G0455300 | 60.46563 | 19.29017 | 1.6482 | 0.02958 |
| OS09G0455500 | 555.75854 | 337.42205 | 0.7199 | 0.00191 |
| OS09G0456200 | 2852.15401 | 1222.58223 | 1.2221 | 7.60E-11 |
| OS09G0456700 | 798.68816 | 239.11985 | 1.7399 | 1.08E-09 |
| OS09G0458800 | 105.61059 | 64.35662 | 0.71459 | 0.04058 |
| OS09G0458900 | 1219.12308 | 768.78848 | 0.66519 | 0.00242 |
| OS09G0459450 | 40.95841 | 73.10948 | -0.8359 | 0.04802 |
| OS09G0460300 | 883.50565 | 196.89519 | 2.1658 | 8.52E-27 |
| OS09G0460500 | 1790.23187 | 507.5249 | 1.8186 | 8.57E-19 |
| OS09G0460700 | 1300.63427 | 390.73615 | 1.7349 | 2.96E-19 |
| OS09G0461500 | 516.38331 | 58.91316 | 3.1318 | 4.44E-13 |
| OS09G0461700 | 136.42902 | 78.97971 | 0.7886 | 0.01252 |
| OS09G0461900 | 800.99121 | 384.23813 | 1.0598 | 2.83E-07 |
| OS09G0463300 | 95.31162 | 45.58208 | 1.0642 | 0.04379 |
| OS09G0464066 | 100.1471 | 46.64516 | 1.1023 | 0.00113 |
| OS09G0465500 | 326.1054 | 156.76824 | 1.0567 | 1.30E-05 |
| OS09G0465800 | 13.05421 | 33.01098 | -1.3384 | 0.02997 |

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| OS09G0466400 | 480.4354 | 301.65752 | 0.67143 | 0.00344 |
| OS09G0468150 | 7.88795 | 34.94277 | -2.1473 | 0.00024 |
| OS09G0468300 | 198.63034 | 125.76685 | 0.65933 | 0.02105 |
| OS09G0469400 | 275.82809 | 151.89323 | 0.86071 | 0.00084 |
| OS09G0469600 | 19.69538 | 4.44414 | 2.1479 | 0.00599 |
| OS09G0470500 | 186.84201 | 379.03511 | -1.0205 | 6.50E-05 |
| OS09G0470900 | 269.81364 | 561.59313 | -1.0576 | 1.50E-06 |
| OS09G0471100 | 165.31962 | 333.55082 | -1.0126 | 0.0062 |
| OS09G0471200 | 0.42353 | 13.3802 | -4.9815 | 0.01018 |
| OS09G0471550 | 39.42085 | 80.03492 | -1.0217 | 0.00676 |
| OS09G0472700 | 39.72657 | 14.6819 | 1.4361 | 0.02038 |
| OS09G0474300 | 122.46915 | 190.15368 | -0.63475 | 0.0323 |
| OS09G0475400 | 3896.1218 | 2744.17768 | 0.50566 | 0.01942 |
| OS09G0475500 | 72.06017 | 132.65754 | -0.88043 | 0.00821 |
| OS09G0478300 | 682.20003 | 145.06864 | 2.2335 | 1.66E-25 |
| OS09G0479000 | 35.89353 | 79.39113 | -1.1453 | 0.00257 |
| OS09G0481200 | 45271.82455 | 30775.76893 | 0.55682 | 0.00654 |
| OS09G0481600 | 29.38148 | 8.60174 | 1.7722 | 0.00419 |
| OS09G0481700 | 596.7333 | 1662.8546 | -1.4785 | 1.27E-14 |
| OS09G0483600 | 24.60104 | 52.9872 | -1.1069 | 0.02486 |
| OS09G0484200 | 14.10052 | 59.04876 | -2.0662 | 3.87E-06 |
| OS09G0484800 | 166.40202 | 93.48259 | 0.8319 | 0.00474 |
| OS09G0484900 | 74.3306 | 24.00847 | 1.6304 | 0.00022 |
| OS09G0487900 | 1246.87957 | 2098.69587 | -0.75117 | 0.0008 |
| OS09G0491708 | 442.72015 | 300.78251 | 0.55767 | 0.02428 |
| OS09G0491740 | 42.5673 | 208.80843 | -2.2944 | 0.00177 |
| OS09G0491820 | 2574.26474 | 952.33157 | 1.4346 | 3.55E-14 |

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|--------------|------------|------------|----------|----------|
| OS09G0494600 | 48.78493 | 145.1722 | -1.5733 | 0.00066 |
| OS09G0498000 | 64.65228 | 107.61112 | -0.73505 | 0.03193 |
| OS09G0504900 | 41.8017 | 80.49308 | -0.9453 | 0.01603 |
| OS09G0505000 | 11.74608 | 53.58047 | -2.1895 | 1.63E-05 |
| OS09G0505800 | 616.56684 | 432.24356 | 0.51241 | 0.0495 |
| OS09G0506800 | 43.66864 | 91.4224 | -1.066 | 0.00322 |
| OS09G0507800 | 435.89833 | 752.14401 | -0.78702 | 0.00026 |
| OS09G0508500 | 30.03308 | 287.65558 | -3.2597 | 4.78E-33 |
| OS09G0508900 | 1196.50142 | 852.10256 | 0.48972 | 0.03433 |
| OS09G0509000 | 432.30474 | 669.16159 | -0.63031 | 0.0062 |
| OS09G0509200 | 312.34969 | 474.70362 | -0.60386 | 0.01385 |
| OS09G0511600 | 7929.62407 | 3856.57503 | 1.0399 | 2.53E-08 |
| OS09G0511700 | 643.73656 | 1208.60032 | -0.90879 | 1.25E-05 |
| OS09G0513800 | 278.57473 | 174.67243 | 0.67341 | 0.01172 |
| OS09G0513900 | 35.67803 | 79.7077 | -1.1597 | 0.00315 |
| OS09G0515300 | 28.34272 | 78.66464 | -1.4727 | 0.00011 |
| OS09G0515500 | 44.79897 | 97.65619 | -1.1242 | 0.00078 |
| OS09G0516600 | 4029.03778 | 2028.2293 | 0.99021 | 2.55E-07 |
| OS09G0517100 | 297.4891 | 152.61308 | 0.96296 | 0.00361 |
| OS09G0517900 | 0 | 5.65866 | | 0.03771 |
| OS09G0518000 | 83.5997 | 1.78398 | 5.5503 | 9.23E-05 |
| OS09G0519100 | 105.4789 | 15.73561 | 2.7448 | 9.52E-15 |
| OS09G0519200 | 1157.57556 | 779.54916 | 0.57039 | 0.01304 |
| OS09G0520000 | 352.00864 | 186.2276 | 0.91854 | 0.00013 |
| OS09G0520200 | 802.82047 | 458.23583 | 0.80899 | 0.00016 |
| OS09G0525900 | 1715.56204 | 1240.10046 | 0.46822 | 0.04145 |
| OS09G0526700 | 952.68497 | 394.28757 | 1.2728 | 0.00109 |

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| OS09G0527900 | 5741.75513 | 2906.52666 | 0.9822 | 2.53E-07 |
| OS09G0529100 | 966.70632 | 694.69159 | 0.47671 | 0.04993 |
| OS09G0532000 | 894.9036 | 358.08559 | 1.3214 | 0.01598 |
| OS09G0532400 | 1006.02311 | 431.07182 | 1.2227 | 1.22E-09 |
| OS09G0532700 | 2580.19867 | 1319.50362 | 0.96749 | 3.90E-06 |
| OS09G0533300 | 278.4244 | 464.28746 | -0.73773 | 0.00162 |
| OS09G0533400 | 1137.91898 | 1710.6885 | -0.58818 | 0.00627 |
| OS09G0535000 | 4629.21359 | 2047.65688 | 1.1768 | 0.01994 |
| OS09G0536200 | 133.80884 | 250.41221 | -0.90413 | 0.00073 |
| OS09G0536400 | 61.85663 | 28.66672 | 1.1096 | 0.01012 |
| OS09G0536700 | 29.52175 | 89.32444 | -1.5973 | 1.27E-05 |
| OS09G0537700 | 5407.30835 | 151.1088 | 5.1613 | 4.54E-09 |
| OS09G0538000 | 165.38036 | 2.94308 | 5.8123 | 1.16E-06 |
| OS09G0538600 | 19.58266 | 48.83905 | -1.3185 | 0.00475 |
| OS09G0539100 | 2042.14097 | 1071.82914 | 0.93001 | 2.15E-06 |
| OS09G0541100 | 10.0682 | 35.33864 | -1.8114 | 0.00137 |
| OS09G0541600 | 22.88313 | 65.68387 | -1.5213 | 0.00024 |
| OS09G0541700 | 82.75358 | 131.36931 | -0.66673 | 0.048 |
| OS09G0542000 | 110.73552 | 209.86754 | -0.92236 | 0.0006 |
| OS09G0543100 | 1519.65901 | 744.45877 | 1.0295 | 2.28E-07 |
| OS09G0545300 | 150.73651 | 440.38267 | -1.5467 | 4.06E-12 |
| OS09G0547500 | 125.90501 | 274.43395 | -1.1241 | 0.01171 |
| OS09G0549450 | 239.00346 | 146.6879 | 0.70428 | 0.00838 |
| OS09G0551300 | 72.87464 | 135.40566 | -0.8938 | 0.00539 |
| OS09G0551600 | 1033.46929 | 1658.43479 | -0.68233 | 0.00091 |
| OS09G0552300 | 663.52726 | 388.99294 | 0.77041 | 0.00046 |
| OS09G0553100 | 1099.52772 | 2163.36904 | -0.9764 | 1.03E-06 |

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|--------------|-------------|-------------|----------|----------|
| OS09G0553800 | 676.56746 | 345.75719 | 0.96847 | 6.32E-06 |
| OS09G0553900 | 40788.26086 | 21704.70712 | 0.91015 | 8.96E-07 |
| OS09G0555500 | 873.09074 | 459.23241 | 0.92691 | 7.66E-06 |
| OS09G0556400 | 1574.7297 | 1001.5322 | 0.6529 | 0.00197 |
| OS09G0557500 | 153.4196 | 37.55918 | 2.0302 | 0.00935 |
| OS09G0557800 | 490.73433 | 719.11361 | -0.55128 | 0.01698 |
| OS09G0558900 | 349.49966 | 143.06113 | 1.2887 | 4.88E-08 |
| OS09G0559600 | 633.53908 | 407.58267 | 0.63634 | 0.04853 |
| OS09G0561482 | 1.16909 | 10.76087 | -3.2023 | 0.01696 |
| OS09G0563200 | 1543.44837 | 1097.34211 | 0.49214 | 0.03584 |
| OS09G0563300 | 16.64173 | 38.80097 | -1.2213 | 0.0216 |
| OS09G0567201 | 4.69892 | 26.86799 | -2.5155 | 0.00027 |
| OS09G0567300 | 1570.79547 | 1006.33787 | 0.64238 | 0.00316 |
| OS09G0567400 | 919.24248 | 625.47842 | 0.55549 | 0.01613 |
| OS09G0567900 | 22.99836 | 54.93758 | -1.2563 | 0.00656 |
| OS09G0570400 | 2594.6323 | 1293.33336 | 1.0044 | 2.73E-07 |
| OS09G0570800 | 0.34835 | 21.67317 | -5.9592 | 1.73E-06 |
| OS09G0570850 | 3.90449 | 15.11262 | -1.9525 | 0.04794 |
| OS09G0570900 | 52.03399 | 118.62889 | -1.1889 | 0.00026 |
| OS10G0100500 | 96.3229 | 177.98822 | -0.88583 | 0.00193 |
| OS10G0100700 | 4260.81732 | 2319.74795 | 0.87716 | 5.33E-05 |
| OS10G0103700 | 964.04113 | 396.42446 | 1.282 | 1.39E-10 |
| OS10G0103800 | 341.52525 | 182.20406 | 0.90644 | 0.00014 |
| OS10G0110800 | 14.24585 | 2.27201 | 2.6485 | 0.0074 |
| OS10G0113100 | 30.70473 | 11.76854 | 1.3835 | 0.03721 |
| OS10G0113900 | 790.77512 | 1288.28362 | -0.70411 | 0.00122 |
| OS10G0114300 | 26.66119 | 618.45468 | -4.5359 | 9.97E-18 |

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| OS10G0116200 | 97.72379 | 48.58443 | 1.0082 | 0.00404 |
| OS10G0116400 | 173.73729 | 88.53347 | 0.97261 | 0.00296 |
| OS10G0122000 | 22.98842 | 146.96706 | -2.6765 | 3.36E-06 |
| OS10G0131200 | 108.61262 | 239.68635 | -1.142 | 1.38E-05 |
| OS10G0131800 | 35.62037 | 82.83586 | -1.2176 | 0.0008 |
| OS10G0132300 | 76.21643 | 222.4696 | -1.5454 | 7.13E-09 |
| OS10G0132500 | 6.76017 | 34.57148 | -2.3545 | 6.75E-05 |
| OS10G0133500 | 43.45313 | 9.06218 | 2.2615 | 1.07E-05 |
| OS10G0136400 | 482.0736 | 181.51872 | 1.4091 | 1.74E-10 |
| OS10G0141900 | 11.81371 | 28.85362 | -1.2883 | 0.04993 |
| OS10G0142600 | 74.03015 | 173.13999 | -1.2258 | 1.30E-05 |
| OS10G0144700 | 154.85953 | 4.06884 | 5.2502 | 2.79E-05 |
| OS10G0148400 | 187.38694 | 55.71649 | 1.7498 | 1.29E-10 |
| OS10G0154700 | 90.97114 | 17.14428 | 2.4077 | 5.58E-05 |
| OS10G0155300 | 659.00932 | 457.56784 | 0.52631 | 0.03584 |
| OS10G0159800 | 332.02953 | 125.51639 | 1.4034 | 8.45E-09 |
| OS10G0161800 | 1915.40034 | 1242.00629 | 0.62497 | 0.00792 |
| OS10G0162832 | 36.84712 | 85.99312 | -1.2227 | 0.0042 |
| OS10G0162834 | 33.03153 | 65.17361 | -0.98044 | 0.02886 |
| OS10G0163220 | 126.89364 | 214.27407 | -0.75584 | 0.00551 |
| OS10G0163300 | 81.76632 | 142.8043 | -0.80446 | 0.01034 |
| OS10G0167200 | 2.09135 | 12.28779 | -2.5547 | 0.0412 |
| OS10G0167250 | 2.68653 | 25.79955 | -3.2635 | 2.11E-05 |
| OS10G0167700 | 116.44694 | 207.80482 | -0.83556 | 0.00266 |
| OS10G0170300 | 56.21419 | 103.69545 | -0.88335 | 0.01174 |
| OS10G0172600 | 726.54353 | 1056.46551 | -0.54012 | 0.02188 |
| OS10G0177200 | 559.19581 | 312.9321 | 0.8375 | 0.00018 |

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| OS10G0180000 | 515.32287 | 271.91531 | 0.92232 | 3.80E-05 |
| OS10G0180800 | 1115.0181 | 3617.62806 | -1.698 | 1.87E-20 |
| OS10G0181100 | 20.61258 | 59.70146 | -1.5342 | 0.00041 |
| OS10G0184200 | 51.91249 | 89.46097 | -0.78518 | 0.03607 |
| OS10G0184250 | 190.38166 | 123.54789 | 0.62382 | 0.04631 |
| OS10G0189100 | 2679.09598 | 1204.65568 | 1.1531 | 1.63E-09 |
| OS10G0190500 | 323.20081 | 117.49081 | 1.4599 | 1.18E-09 |
| OS10G0190900 | 162.51752 | 439.79523 | -1.4362 | 1.95E-10 |
| OS10G0195250 | 3.40955 | 139.51601 | -5.3547 | 1.25E-05 |
| OS10G0198100 | 32.05918 | 10.32652 | 1.6344 | 0.0057 |
| OS10G0198600 | 67.22354 | 117.50644 | -0.8057 | 0.01534 |
| OS10G0209700 | 3292.30216 | 1793.39809 | 0.8764 | 0.00049 |
| OS10G0317900 | 59.67 | 17.27766 | 1.7881 | 0.0139 |
| OS10G0318000 | 55.88962 | 118.93168 | -1.0895 | 0.0011 |
| OS10G0320100 | 378.98855 | 92.24947 | 2.0385 | 8.71E-09 |
| OS10G0322300 | 18.73686 | 62.09692 | -1.7286 | 0.00575 |
| OS10G0327000 | 9.02944 | 44.79087 | -2.3105 | 1.17E-05 |
| OS10G0327800 | 6.19381 | 24.93984 | -2.0096 | 0.00452 |
| OS10G0330400 | 19632.34409 | 12470.10552 | 0.65476 | 0.00091 |
| OS10G0331600 | 0.82075 | 12.03459 | -3.8741 | 0.0034 |
| OS10G0335200 | 43.72378 | 81.58414 | -0.89987 | 0.0205 |
| OS10G0343000 | 588.05441 | 258.37717 | 1.1865 | 2.27E-08 |
| OS10G0343100 | 1406.38256 | 965.76418 | 0.54225 | 0.01671 |
| OS10G0362300 | 2532.80444 | 1694.54221 | 0.57984 | 0.007 |
| OS10G0368100 | 63.52695 | 16.3973 | 1.9539 | 2.51E-06 |
| OS10G0368200 | 19.41716 | 2.7397 | 2.8252 | 0.00198 |
| OS10G0369000 | 141.85732 | 284.1704 | -1.0023 | 4.96E-05 |

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| OS10G0369750 | 486.32219 | 328.8181 | 0.56462 | 0.02681 |
| OS10G0370000 | 1532.71315 | 944.24083 | 0.69886 | 0.00098 |
| OS10G0370400 | 114.35041 | 207.53128 | -0.85987 | 0.00214 |
| OS10G0370500 | 20.21159 | 114.43659 | -2.5013 | 4.49E-13 |
| OS10G0371100 | 118.30505 | 44.43046 | 1.4129 | 9.18E-06 |
| OS10G0371200 | 41.33168 | 83.23837 | -1.01 | 0.00926 |
| OS10G0375600 | 2748.86183 | 1839.76033 | 0.57932 | 0.00656 |
| OS10G0375700 | 305.91886 | 207.31325 | 0.56134 | 0.03581 |
| OS10G0376200 | 5399.39858 | 3049.08691 | 0.82442 | 6.01E-05 |
| OS10G0376900 | 0 | 46.30149 | | 0.01932 |
| OS10G0377000 | 3.15893 | 21.52883 | -2.7688 | 0.04829 |
| OS10G0377800 | 364.12786 | 635.87307 | -0.80429 | 0.00026 |
| OS10G0378100 | 1290.28952 | 890.52828 | 0.53496 | 0.01917 |
| OS10G0381601 | 0 | 24.60324 | | 4.16E-08 |
| OS10G0389150 | 72.93624 | 20.72509 | 1.8153 | 0.0033 |
| OS10G0392700 | 160.10942 | 245.72945 | -0.61801 | 0.02605 |
| OS10G0395000 | 82.63338 | 187.17803 | -1.1796 | 2.90E-05 |
| OS10G0395500 | 103.92516 | 174.22762 | -0.74543 | 0.01521 |
| OS10G0403700 | 616.11393 | 352.06346 | 0.80736 | 0.00019 |
| OS10G0405600 | 367.33692 | 232.10424 | 0.66233 | 0.00868 |
| OS10G0406200 | 513.7976 | 323.41526 | 0.66781 | 0.00503 |
| OS10G0406350 | 755.94413 | 427.10827 | 0.82368 | 8.93E-05 |
| OS10G0406900 | 1877.69392 | 817.41996 | 1.1998 | 4.86E-07 |
| OS10G0407000 | 770.08973 | 446.89474 | 0.78509 | 0.0003 |
| OS10G0410700 | 52.78838 | 97.20513 | -0.88081 | 0.01371 |
| OS10G0411700 | 433.95999 | 633.37045 | -0.54549 | 0.02025 |
| OS10G0417800 | 2124.8903 | 1494.66893 | 0.50756 | 0.02292 |

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| OS10G0419400 | 10.22613 | 351.4944 | -5.1032 | 1.99E-44 |
| OS10G0419500 | 2598.05066 | 1492.66172 | 0.79954 | 6.07E-05 |
| OS10G0422300 | 7.51201 | 24.71076 | -1.7179 | 0.01843 |
| OS10G0422600 | 14.07798 | 2.90974 | 2.2745 | 0.02025 |
| OS10G0430200 | 9787.07731 | 3809.80337 | 1.3612 | 4.49E-10 |
| OS10G0431900 | 251.19846 | 369.5977 | -0.55713 | 0.03794 |
| OS10G0434300 | 29.6146 | 64.62842 | -1.1259 | 0.00659 |
| OS10G0437200 | 105.29232 | 206.89584 | -0.9745 | 0.00024 |
| OS10G0440500 | 65.20228 | 156.29773 | -1.2613 | 6.58E-05 |
| OS10G0442900 | 29.45667 | 56.84367 | -0.94841 | 0.03505 |
| OS10G0442950 | 107.5427 | 246.58954 | -1.1972 | 1.88E-06 |
| OS10G0445400 | 1.44225 | 26.12653 | -4.1791 | 1.31E-06 |
| OS10G0445500 | 29.20843 | 64.4397 | -1.1416 | 0.01042 |
| OS10G0445900 | 144.71455 | 247.31982 | -0.77317 | 0.00451 |
| OS10G0446800 | 206.9845 | 461.50839 | -1.1568 | 1.86E-07 |
| OS10G0447600 | 133.31547 | 211.37262 | -0.66494 | 0.02192 |
| OS10G0450800 | 458.61042 | 101.92321 | 2.1698 | 0.00075 |
| OS10G0450900 | 4104.68685 | 1101.35915 | 1.898 | 4.51E-25 |
| OS10G0456900 | 39.41958 | 78.27498 | -0.98964 | 0.0092 |
| OS10G0457000 | 164.1116 | 246.92189 | -0.58938 | 0.04022 |
| OS10G0462100 | 124.32216 | 196.58004 | -0.66103 | 0.02726 |
| OS10G0465800 | 365.68521 | 540.64273 | -0.56407 | 0.02 |
| OS10G0466200 | 10.82132 | 37.56233 | -1.7954 | 0.00122 |
| OS10G0466800 | 401.66175 | 222.41665 | 0.85272 | 0.01347 |
| OS10G0467000 | 85.96901 | 44.14141 | 0.96168 | 0.00679 |
| OS10G0467600 | 336.51171 | 528.0291 | -0.64996 | 0.0073 |
| OS10G0468500 | 581.38203 | 220.23819 | 1.4004 | 3.32E-11 |

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|--------------|-------------|------------|----------|----------|
| OS10G0469700 | 292.71051 | 602.3082 | -1.041 | 9.61E-07 |
| OS10G0470100 | 1334.56335 | 685.83342 | 0.96044 | 2.54E-06 |
| OS10G0473400 | 434.89271 | 194.45677 | 1.1612 | 2.62E-07 |
| OS10G0475100 | 591.17328 | 236.73526 | 1.3203 | 5.35E-06 |
| OS10G0477600 | 11.64206 | 31.65599 | -1.4431 | 0.01872 |
| OS10G0477800 | 77.25786 | 130.39695 | -0.75516 | 0.01868 |
| OS10G0478200 | 3945.73657 | 2464.23923 | 0.67915 | 0.00096 |
| OS10G0478500 | 1.91465 | 12.98842 | -2.7621 | 0.0154 |
| OS10G0479100 | 168.74768 | 84.91364 | 0.9908 | 0.00062 |
| OS10G0481450 | 1046.00535 | 564.52373 | 0.88978 | 1.83E-05 |
| OS10G0482700 | 0 | 13.58184 | | 6.16E-05 |
| OS10G0483000 | 168.20412 | 269.50293 | -0.68009 | 0.01103 |
| OS10G0483100 | 56.18409 | 101.63619 | -0.85518 | 0.01615 |
| OS10G0484900 | 64.32138 | 128.42442 | -0.99755 | 0.00197 |
| OS10G0485300 | 3835.91114 | 2194.2889 | 0.80582 | 4.24E-05 |
| OS10G0488400 | 3.95714 | 17.08886 | -2.1105 | 0.01909 |
| OS10G0488800 | 3304.35273 | 2351.85719 | 0.49057 | 0.02976 |
| OS10G0489200 | 84.26499 | 155.17818 | -0.88092 | 0.0031 |
| OS10G0490100 | 16.23569 | 56.49808 | -1.799 | 5.77E-05 |
| OS10G0491000 | 447.56382 | 178.59135 | 1.3254 | 0.00641 |
| OS10G0491400 | 58.62379 | 180.08766 | -1.6191 | 4.74E-09 |
| OS10G0491450 | 16.86602 | 70.94901 | -2.0727 | 3.13E-07 |
| OS10G0492101 | 215.83855 | 139.98271 | 0.6247 | 0.03305 |
| OS10G0492200 | 615.48786 | 403.22976 | 0.61013 | 0.00953 |
| OS10G0492300 | 10602.31944 | 5919.05624 | 0.84094 | 0.03035 |
| OS10G0492800 | 800.63948 | 454.52262 | 0.8168 | 0.00013 |
| OS10G0492900 | 377.68711 | 121.20029 | 1.6398 | 5.48E-13 |

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| OS10G0494000 | 1319.10395 | 709.45369 | 0.89478 | 1.22E-05 |
| OS10G0495500 | 49.85867 | 119.85436 | -1.2654 | 6.69E-05 |
| OS10G0495900 | 60.90678 | 168.19072 | -1.4654 | 3.09E-07 |
| OS10G0496900 | 391.82701 | 1242.54827 | -1.665 | 1.40E-17 |
| OS10G0497800 | 173.7437 | 271.93221 | -0.64629 | 0.01702 |
| OS10G0498000 | 38.63131 | 7.43153 | 2.378 | 0.01423 |
| OS10G0498200 | 433.40898 | 248.89854 | 0.80017 | 0.00053 |
| OS10G0498600 | 240.95603 | 354.94253 | -0.55882 | 0.03329 |
| OS10G0499400 | 832.46834 | 329.51875 | 1.337 | 3.66E-11 |
| OS10G0500600 | 2269.22869 | 1422.14721 | 0.67413 | 0.00115 |
| OS10G0502900 | 218.3334 | 143.57235 | 0.60475 | 0.03769 |
| OS10G0503100 | 233.19319 | 148.30895 | 0.65292 | 0.01826 |
| OS10G0503200 | 1194.61061 | 766.63955 | 0.63992 | 0.00361 |
| OS10G0503250 | 969.25126 | 297.64887 | 1.7033 | 0.0005 |
| OS10G0503300 | 418.98554 | 121.28044 | 1.7886 | 0.00847 |
| OS10G0503800 | 3113.17433 | 1320.53226 | 1.2373 | 0.00576 |
| OS10G0504200 | 9.12467 | 35.2111 | -1.9482 | 0.00068 |
| OS10G0507000 | 195.84485 | 309.95968 | -0.66237 | 0.01012 |
| OS10G0510500 | 1255.60314 | 735.53018 | 0.77152 | 0.0021 |
| OS10G0512500 | 21.84438 | 53.1298 | -1.2823 | 0.00653 |
| OS10G0513200 | 658.25667 | 298.2083 | 1.1423 | 0.0002 |
| OS10G0514901 | 26.01197 | 119.64137 | -2.2015 | 4.05E-11 |
| OS10G0516500 | 504.60016 | 352.92113 | 0.51579 | 0.03885 |
| OS10G0516600 | 71.93226 | 26.62433 | 1.4339 | 0.02064 |
| OS10G0516701 | 196.78822 | 63.94829 | 1.6217 | 0.00414 |
| OS10G0516800 | 993.83482 | 700.25364 | 0.50513 | 0.03303 |
| OS10G0517800 | 13.40761 | 31.39357 | -1.2274 | 0.04502 |

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| OS10G0518300 | 264.31909 | 491.51068 | -0.89494 | 4.96E-05 |
| OS10G0520100 | 1.88833 | 11.12506 | -2.5586 | 0.04514 |
| OS10G0521300 | 37.93224 | 74.95803 | -0.98266 | 0.01437 |
| OS10G0521400 | 46.38395 | 14.32157 | 1.6954 | 0.02265 |
| OS10G0522000 | 27.87775 | 160.90897 | -2.5291 | 1.36E-16 |
| OS10G0522601 | 451.34208 | 198.35895 | 1.1861 | 2.08E-06 |
| OS10G0525000 | 3158.60669 | 1887.92934 | 0.74248 | 0.00018 |
| OS10G0525500 | 203.23535 | 82.47696 | 1.3011 | 9.83E-07 |
| OS10G0528100 | 11.09069 | 45.07324 | -2.0229 | 7.71E-05 |
| OS10G0529300 | 281.45398 | 116.25303 | 1.2756 | 0.00403 |
| OS10G0530300 | 23.67756 | 2.32932 | 3.3455 | 1.25E-05 |
| OS10G0530400 | 7820.70855 | 3348.40287 | 1.2238 | 3.84E-11 |
| OS10G0530500 | 8467.50309 | 2771.56351 | 1.6112 | 1.92E-05 |
| OS10G0530750 | 551.36559 | 290.54538 | 0.92425 | 2.17E-05 |
| OS10G0533200 | 556.24815 | 389.86858 | 0.51274 | 0.04022 |
| OS10G0534400 | 68.8824 | 27.28792 | 1.3359 | 0.00091 |
| OS10G0536400 | 430.72987 | 249.22788 | 0.78932 | 0.01054 |
| OS10G0536450 | 307.93242 | 154.08451 | 0.99889 | 2.91E-05 |
| OS10G0537100 | 27.43923 | 0.74872 | 5.1957 | 3.67E-09 |
| OS10G0537600 | 114.91434 | 183.13882 | -0.67238 | 0.02667 |
| OS10G0537800 | 4.24906 | 146.59289 | -5.1085 | 5.71E-09 |
| OS10G0538200 | 2.01238 | 45.52523 | -4.4997 | 0.00269 |
| OS10G0539650 | 143.39496 | 92.31372 | 0.63538 | 0.04913 |
| OS10G0539700 | 4370.11502 | 2407.06977 | 0.86039 | 8.98E-06 |
| OS10G0540200 | 76.25035 | 32.52295 | 1.2293 | 0.00133 |
| OS10G0540300 | 668.86248 | 407.84994 | 0.71367 | 0.00195 |
| OS10G0542900 | 560.8073 | 95.74884 | 2.5502 | 4.10E-05 |

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| OS10G0543400 | 78.37171 | 17.90411 | 2.13 | 1.00E-06 |
| OS10G0543500 | 18.41607 | 49.78706 | -1.4348 | 0.00974 |
| OS10G0545200 | 1745.64978 | 1101.24941 | 0.66462 | 0.006 |
| OS10G0546900 | 19.22548 | 43.14184 | -1.1661 | 0.02326 |
| OS10G0550775 | 2.48856 | 13.61503 | -2.4518 | 0.01817 |
| OS10G0551401 | 95.45086 | 55.17825 | 0.79066 | 0.02682 |
| OS10G0552900 | 44.94174 | 85.68617 | -0.93101 | 0.01328 |
| OS10G0553300 | 191.56191 | 79.54539 | 1.268 | 3.20E-06 |
| OS10G0553600 | 545.73308 | 304.68012 | 0.8409 | 0.00015 |
| OS10G0553800 | 2255.79901 | 700.7819 | 1.6866 | 2.79E-19 |
| OS10G0553900 | 440.96582 | 279.66027 | 0.65699 | 0.007 |
| OS10G0554001 | 642.96247 | 246.21319 | 1.3848 | 9.10E-05 |
| OS10G0558700 | 27.8828 | 63.1529 | -1.1795 | 0.00479 |
| OS10G0558850 | 20.39457 | 67.62236 | -1.7293 | 0.00947 |
| OS10G0559200 | 110.07881 | 49.96535 | 1.1395 | 0.00073 |
| OS10G0559650 | 267.13587 | 160.78325 | 0.73246 | 0.00555 |
| OS10G0559700 | 1191.97987 | 687.96352 | 0.79296 | 0.00021 |
| OS10G0560400 | 6141.25813 | 3683.89043 | 0.7373 | 0.00017 |
| OS10G0561400 | 4580.98298 | 3032.73037 | 0.59504 | 0.00436 |
| OS10G0562100 | 3192.53792 | 1307.80457 | 1.2876 | 8.21E-12 |
| OS10G0562700 | 44.44425 | 20.7232 | 1.1008 | 0.02524 |
| OS10G0562900 | 43.15988 | 136.64511 | -1.6627 | 3.15E-05 |
| OS10G0563400 | 56.95347 | 105.92133 | -0.89514 | 0.00771 |
| OS10G0563600 | 6356.71394 | 3647.66346 | 0.80131 | 2.90E-05 |
| OS10G0564300 | 307.51654 | 489.00288 | -0.66918 | 0.00512 |
| OS10G0564500 | 187.49095 | 444.91377 | -1.2467 | 2.58E-08 |
| OS10G0565000 | 218.08011 | 366.44525 | -0.74874 | 0.00272 |

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| OS10G0565150 | 4854.83735 | 783.58068 | 2.6313 | 8.31E-15 |
| OS10G0565200 | 14.22836 | 1.29406 | 3.4588 | 0.00183 |
| OS10G0565500 | 717.6744 | 410.65373 | 0.80541 | 0.00018 |
| OS10G0566400 | 1.19542 | 20.69364 | -4.1136 | 2.14E-05 |
| OS10G0567400 | 10328.28629 | 7445.00774 | 0.47226 | 0.03359 |
| OS10G0567500 | 19.94849 | 66.84856 | -1.7446 | 2.61E-05 |
| OS10G0567900 | 399.68153 | 211.84913 | 0.91581 | 7.78E-05 |
| OS10G0569200 | 474.92854 | 664.85877 | -0.48534 | 0.0494 |
| OS10G0570200 | 8.86158 | 42.65949 | -2.2672 | 0.0006 |
| OS10G0572000 | 26.7225 | 59.75514 | -1.161 | 0.0098 |
| OS10G0572100 | 505.92473 | 279.84922 | 0.85427 | 0.00021 |
| OS10G0572300 | 559.28781 | 905.29141 | -0.69479 | 0.0478 |
| OS10G0572500 | 804.05331 | 530.69749 | 0.5994 | 0.04381 |
| OS10G0573000 | 1533.50177 | 834.04548 | 0.87863 | 1.46E-05 |
| OS10G0573700 | 33960.79501 | 18180.73242 | 0.90146 | 3.00E-06 |
| OS10G0573900 | 245.21358 | 392.18001 | -0.67748 | 0.0075 |
| OS10G0575700 | 526.18249 | 352.42133 | 0.57826 | 0.01689 |
| OS10G0576600 | 75.7692 | 869.178 | -3.52 | 0.00035 |
| OS10G0576900 | 161.43135 | 301.21692 | -0.89988 | 0.00027 |
| OS10G0577700 | 331.6324 | 201.77171 | 0.71686 | 0.00378 |
| OS10G0578200 | 6.28776 | 40.50557 | -2.6875 | 2.05E-06 |
| OS10G0578950 | 1205.22586 | 789.20323 | 0.61083 | 0.00553 |
| OS10G0580001 | 699.3187 | 440.50419 | 0.66679 | 0.00396 |
| OS10G0580550 | 30.48281 | 61.98095 | -1.0238 | 0.0174 |
| OS11G0102200 | 523.83993 | 812.42681 | -0.63311 | 0.00511 |
| OS11G0103700 | 373.96059 | 259.48392 | 0.52724 | 0.04687 |
| OS11G0105400 | 38.04368 | 75.42264 | -0.98734 | 0.01407 |

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| OS11G0105750 | 7445.3491 | 3437.6807 | 1.1149 | 2.43E-09 |
| OS11G0105800 | 303.84389 | 165.432 | 0.87709 | 0.0005 |
| OS11G0106200 | 2983.98861 | 1942.96086 | 0.61899 | 0.00425 |
| OS11G0106700 | 1534.61292 | 796.40065 | 0.94631 | 0.0006 |
| OS11G0110100 | 68.27728 | 159.84755 | -1.2272 | 1.81E-05 |
| OS11G0114600 | 5162.42555 | 3468.67811 | 0.57366 | 0.00569 |
| OS11G0115350 | 71.7129 | 1297.40042 | -4.1772 | 1.51E-22 |
| OS11G0115400 | 1821.31583 | 2847.63964 | -0.64479 | 0.03786 |
| OS11G0116000 | 19763.84024 | 6422.18668 | 1.6217 | 1.46E-05 |
| OS11G0116300 | 430.96855 | 100.77418 | 2.0965 | 3.95E-06 |
| OS11G0117300 | 201.48864 | 120.66638 | 0.73967 | 0.00765 |
| OS11G0117400 | 329.96457 | 10.62055 | 4.9574 | 3.92E-16 |
| OS11G0117600 | 113.64626 | 1.41979 | 6.3227 | 4.05E-11 |
| OS11G0118500 | 13.13318 | 47.57085 | -1.8569 | 0.00015 |
| OS11G0118950 | 154.67243 | 85.64164 | 0.85283 | 0.00586 |
| OS11G0119100 | 103.2722 | 62.24543 | 0.73041 | 0.04558 |
| OS11G0124500 | 17.97742 | 79.38743 | -2.1427 | 7.27E-08 |
| OS11G0125900 | 521.09188 | 38.15434 | 3.7716 | 0.00031 |
| OS11G0126100 | 25.79018 | 8.22281 | 1.6491 | 0.01532 |
| OS11G0127800 | 2097.01021 | 759.41371 | 1.4654 | 7.07E-10 |
| OS11G0129000 | 30.97533 | 6.66633 | 2.2162 | 0.00026 |
| OS11G0129500 | 49.26722 | 15.07581 | 1.7084 | 0.00017 |
| OS11G0130100 | 92.49245 | 145.55916 | -0.6542 | 0.04714 |
| OS11G0130400 | 25.27396 | 58.356 | -1.2072 | 0.00651 |
| OS11G0132400 | 90.28813 | 38.41667 | 1.2328 | 0.00709 |
| OS11G0134500 | 74.96111 | 121.45356 | -0.69619 | 0.03878 |
| OS11G0135900 | 141.01538 | 86.12067 | 0.71142 | 0.02924 |

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| OS11G0138400 | 57.84558 | 7.30406 | 2.9854 | 1.71E-10 |
| OS11G0138600 | 23.74141 | 5.3167 | 2.1588 | 0.02596 |
| OS11G0139700 | 1430.35126 | 2179.6495 | -0.60773 | 0.004 |
| OS11G0140400 | 73.29695 | 127.71747 | -0.80113 | 0.01351 |
| OS11G0142500 | 64.1184 | 142.22446 | -1.1494 | 0.00011 |
| OS11G0144900 | 6.29154 | 23.11731 | -1.8775 | 0.00949 |
| OS11G0145200 | 101.06431 | 332.40124 | -1.7177 | 7.20E-05 |
| OS11G0148300 | 208.57593 | 345.91188 | -0.72983 | 0.00332 |
| OS11G0148500 | 2293.14413 | 1448.76305 | 0.66251 | 0.00162 |
| OS11G0149400 | 4.7741 | 21.34618 | -2.1607 | 0.00466 |
| OS11G0151002 | 145.07538 | 47.43062 | 1.6129 | 2.18E-05 |
| OS11G0151700 | 2238.20974 | 991.1303 | 1.1752 | 6.72E-10 |
| OS11G0153000 | 1.21796 | 16.97772 | -3.8011 | 0.00026 |
| OS11G0154500 | 21.9872 | 55.62379 | -1.339 | 0.00308 |
| OS11G0156300 | 13.43644 | 119.82275 | -3.1567 | 3.37E-18 |
| OS11G0156401 | 388.95442 | 208.64213 | 0.89857 | 0.00014 |
| OS11G0156600 | 7.76012 | 46.9001 | -2.5954 | 6.81E-07 |
| OS11G0157701 | 28.73488 | 8.20247 | 1.8087 | 0.00338 |
| OS11G0158832 | 213.39758 | 330.42969 | -0.6308 | 0.01678 |
| OS11G0160400 | 13.73086 | 1.41979 | 3.2737 | 0.04168 |
| OS11G0163600 | 502.57923 | 292.34521 | 0.78168 | 0.0006 |
| OS11G0163800 | 819.33563 | 481.20492 | 0.7678 | 0.0018 |
| OS11G0167800 | 3091.40535 | 1552.18657 | 0.99396 | 0.03562 |
| OS11G0168600 | 40.95073 | 96.01458 | -1.2294 | 0.00046 |
| OS11G0171300 | 150096.95319 | 84729.60852 | 0.82496 | 1.27E-05 |
| OS11G0171400 | 251.41231 | 147.58828 | 0.76848 | 0.00423 |
| OS11G0173366 | 0 | 7.80131 | | 0.01196 |

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| OS11G0173500 | 145.45978 | 402.88082 | -1.4697 | 1.17E-10 |
| OS11G0173600 | 11.96409 | 36.00948 | -1.5897 | 0.00555 |
| OS11G0173900 | 132.50721 | 53.04718 | 1.3207 | 1.97E-05 |
| OS11G0177200 | 120.59572 | 66.26807 | 0.86379 | 0.00704 |
| OS11G0177400 | 434.08249 | 132.0776 | 1.7166 | 1.66E-10 |
| OS11G0177750 | 154.5355 | 43.94969 | 1.814 | 8.55E-07 |
| OS11G0180900 | 47.21352 | 19.97274 | 1.2412 | 0.00821 |
| OS11G0181700 | 272.59515 | 152.49823 | 0.83797 | 0.00124 |
| OS11G0181800 | 1010.60694 | 383.80761 | 1.3968 | 0.00031 |
| OS11G0191400 | 7057.20118 | 4424.36558 | 0.67363 | 0.00072 |
| OS11G0194800 | 18.188 | 46.43051 | -1.3521 | 0.00592 |
| OS11G0199200 | 367.14734 | 546.24218 | -0.57318 | 0.03712 |
| OS11G0200950 | 55.38589 | 100.51934 | -0.85988 | 0.01442 |
| OS11G0205800 | 55.23186 | 110.0009 | -0.99394 | 0.00319 |
| OS11G0207200 | 1418.20833 | 2201.98349 | -0.63473 | 0.00306 |
| OS11G0207400 | 49.75728 | 100.58603 | -1.0155 | 0.00344 |
| OS11G0208900 | 5136.94464 | 2105.69516 | 1.2866 | 7.33E-12 |
| OS11G0209000 | 7190.22287 | 3253.74424 | 1.1439 | 1.21E-05 |
| OS11G0210300 | 339.0907 | 1152.99792 | -1.7656 | 5.43E-19 |
| OS11G0210500 | 1.19542 | 19.47344 | -4.0259 | 3.94E-05 |
| OS11G0214900 | 8.80137 | 1.19418 | 2.8817 | 0.03467 |
| OS11G0216000 | 121.41524 | 69.14485 | 0.81226 | 0.01491 |
| OS11G0216100 | 11448.47158 | 6976.95627 | 0.71449 | 0.00021 |
| OS11G0216300 | 6500.04022 | 4572.17255 | 0.50757 | 0.01957 |
| OS11G0218000 | 2890.47459 | 1574.03565 | 0.87684 | 0.00082 |
| OS11G0219000 | 302.52545 | 196.09279 | 0.62552 | 0.02 |
| OS11G0224900 | 25.67495 | 128.54509 | -2.3238 | 7.82E-13 |

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|--------------|-----------|------------|----------|----------|
| OS11G0225000 | 8.25128 | 60.33097 | -2.8702 | 0.00174 |
| OS11G0226933 | 238.08986 | 1041.99796 | -2.1298 | 5.79E-15 |
| OS11G0226966 | 50.14061 | 152.53306 | -1.6051 | 6.34E-08 |
| OS11G0227000 | 132.84905 | 257.55363 | -0.95508 | 0.00026 |
| OS11G0227100 | 219.08623 | 1737.33317 | -2.9873 | 2.10E-30 |
| OS11G0227800 | 90.39975 | 1235.75066 | -3.7729 | 7.28E-20 |
| OS11G0229333 | 3.78044 | 23.3523 | -2.6269 | 0.01051 |
| OS11G0229500 | 0.77188 | 19.24436 | -4.6399 | 1.47E-05 |
| OS11G0229600 | 9.55199 | 229.36568 | -4.5857 | 2.37E-09 |
| OS11G0232100 | 264.03824 | 117.28548 | 1.1707 | 2.43E-06 |
| OS11G0238000 | 0.34835 | 8.71084 | -4.6442 | 0.01108 |
| OS11G0239500 | 49.38376 | 130.24656 | -1.3991 | 0.00145 |
| OS11G0240800 | 42.17752 | 76.05279 | -0.85053 | 0.03142 |
| OS11G0242400 | 3843.0502 | 2113.47244 | 0.86264 | 7.87E-06 |
| OS11G0243300 | 74.03363 | 20.52573 | 1.8507 | 0.00016 |
| OS11G0243600 | 36.80823 | 69.12381 | -0.90915 | 0.02947 |
| OS11G0245200 | 4.57864 | 20.29058 | -2.1478 | 0.00817 |
| OS11G0245900 | 207.15215 | 322.90265 | -0.64041 | 0.01669 |
| OS11G0246600 | 3.28677 | 15.98518 | -2.282 | 0.01275 |
| OS11G0247000 | 8.48313 | 40.21138 | -2.2449 | 4.45E-05 |
| OS11G0247400 | 107.5689 | 308.42412 | -1.5197 | 2.23E-10 |
| OS11G0256000 | 32.92879 | 70.79151 | -1.1042 | 0.00572 |
| OS11G0256050 | 51.56919 | 108.62194 | -1.0747 | 0.00106 |
| OS11G0256300 | 328.73811 | 502.90346 | -0.61334 | 0.01092 |
| OS11G0256900 | 567.93986 | 1974.51093 | -1.7977 | 0.0002 |
| OS11G0258900 | 13.32864 | 57.66216 | -2.1131 | 7.05E-05 |
| OS11G0260100 | 32.71961 | 116.65479 | -1.834 | 0.02768 |

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| OS11G0262600 | 2.43592 | 87.86134 | -5.1727 | 0.00396 |
| OS11G0263000 | 3.00856 | 19.41266 | -2.6899 | 0.00201 |
| OS11G0265500 | 34.21816 | 63.46002 | -0.89109 | 0.03798 |
| OS11G0265900 | 21.33937 | 65.39211 | -1.6156 | 9.50E-05 |
| OS11G0266000 | 46.2762 | 118.33698 | -1.3546 | 2.20E-05 |
| OS11G0267000 | 2646.22382 | 1407.28371 | 0.91102 | 0.00025 |
| OS11G0278300 | 6.86418 | 164.72762 | -4.5849 | 3.57E-34 |
| OS11G0280600 | 6.83786 | 44.50756 | -2.7024 | 7.62E-07 |
| OS11G0284032 | 408.38954 | 111.22305 | 1.8765 | 2.21E-06 |
| OS11G0284300 | 465.07142 | 126.55433 | 1.8777 | 0.00011 |
| OS11G0285000 | 207.30757 | 47.51788 | 2.1252 | 2.28E-07 |
| OS11G0292050 | 233.66559 | 381.17801 | -0.70602 | 0.00471 |
| OS11G0294600 | 266.22974 | 388.42623 | -0.54497 | 0.03341 |
| OS11G0298400 | 108.28444 | 218.05126 | -1.0098 | 0.00017 |
| OS11G0300600 | 2.4397 | 62.73291 | -4.6844 | 1.93E-10 |
| OS11G0300700 | 3.11007 | 35.88911 | -3.5285 | 1.04E-07 |
| OS11G0303200 | 181.24174 | 267.55058 | -0.5619 | 0.04572 |
| OS11G0305300 | 22.18266 | 94.37628 | -2.089 | 7.79E-09 |
| OS11G0308432 | 29.24749 | 63.98518 | -1.1294 | 0.01469 |
| OS11G0311100 | 453.71133 | 750.57454 | -0.72622 | 0.00312 |
| OS11G0416900 | 2715.67531 | 1148.27106 | 1.2418 | 6.33E-11 |
| OS11G0417400 | 152.08218 | 82.15707 | 0.88839 | 0.00374 |
| OS11G0425800 | 331.92714 | 486.31564 | -0.55103 | 0.0294 |
| OS11G0429100 | 111.29694 | 173.99514 | -0.64463 | 0.03188 |
| OS11G0432400 | 2605.18805 | 1363.52462 | 0.93405 | 1.44E-06 |
| OS11G0433600 | 11.86763 | 31.26247 | -1.3974 | 0.01901 |
| OS11G0439600 | 141.0342 | 53.69752 | 1.3931 | 3.13E-06 |

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| OS11G0440200 | 20.97604 | 4.64926 | 2.1737 | 0.0038 |
| OS11G0440866 | 26.30775 | 0 | | 0.0146 |
| OS11G0441500 | 561.30471 | 288.74264 | 0.959 | 0.00027 |
| OS11G0444000 | 87.11429 | 33.139 | 1.3944 | 0.00042 |
| OS11G0448000 | 510.85559 | 336.2879 | 0.60322 | 0.00967 |
| OS11G0450050 | 266.75742 | 100.10966 | 1.4139 | 1.47E-08 |
| OS11G0455500 | 1315.70667 | 2707.93399 | -1.0414 | 1.65E-06 |
| OS11G0456100 | 1465.34355 | 990.04619 | 0.56567 | 0.01129 |
| OS11G0465200 | 41.00222 | 75.08225 | -0.87277 | 0.03827 |
| OS11G0472000 | 1677.68775 | 855.41406 | 0.97178 | 1.22E-06 |
| OS11G0474800 | 113.94199 | 34.47735 | 1.7246 | 9.22E-08 |
| OS11G0482200 | 7.0371 | 79.16189 | -3.4918 | 4.21E-15 |
| OS11G0483900 | 53.83707 | 26.43743 | 1.026 | 0.02718 |
| OS11G0484000 | 1920.27646 | 1142.80627 | 0.74873 | 0.00023 |
| OS11G0484700 | 0.42353 | 7.54062 | -4.1541 | 0.03153 |
| OS11G0485200 | 67.19094 | 109.15806 | -0.70008 | 0.04532 |
| OS11G0490100 | 253.87887 | 96.88873 | 1.3897 | 0.0168 |
| OS11G0490300 | 772.66115 | 249.51457 | 1.6307 | 8.74E-16 |
| OS11G0497000 | 171.30133 | 255.9251 | -0.57919 | 0.04039 |
| OS11G0498600 | 106.06657 | 43.19773 | 1.2959 | 0.01384 |
| OS11G0499600 | 76.80558 | 27.53954 | 1.4797 | 0.00563 |
| OS11G0502700 | 42.43056 | 104.64391 | -1.3023 | 0.00318 |
| OS11G0514500 | 133.67397 | 14.74307 | 3.1806 | 8.78E-10 |
| OS11G0516800 | 6.44442 | 0.30688 | 4.3923 | 0.02627 |
| OS11G0518900 | 384.18054 | 167.68482 | 1.196 | 1.55E-07 |
| OS11G0520500 | 76.00355 | 165.34555 | -1.1213 | 0.00017 |
| OS11G0523800 | 7072.9428 | 4038.10906 | 0.80863 | 3.40E-05 |

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| OS11G0525200 | 1835.90781 | 847.95957 | 1.1144 | 1.83E-05 |
| OS11G0526200 | 1588.35718 | 1015.74334 | 0.645 | 0.00263 |
| OS11G0528300 | 910.71284 | 584.92074 | 0.63876 | 0.00374 |
| OS11G0530600 | 123.74804 | 7.52966 | 4.0387 | 0.00094 |
| OS11G0532200 | 309.70833 | 141.67414 | 1.1283 | 0.00114 |
| OS11G0535600 | 289.24473 | 178.82602 | 0.69373 | 0.01906 |
| OS11G0536000 | 145.2945 | 62.209 | 1.2238 | 2.91E-05 |
| OS11G0536400 | 349.02966 | 120.33631 | 1.5363 | 1.38E-05 |
| OS11G0537375 | 4895.3668 | 2970.68845 | 0.72062 | 0.00026 |
| OS11G0540600 | 0.34835 | 7.66635 | -4.4599 | 0.02428 |
| OS11G0542100 | 55.02378 | 16.76913 | 1.7142 | 8.08E-05 |
| OS11G0543100 | 172.47678 | 97.3032 | 0.82584 | 0.00364 |
| OS11G0543500 | 259.27679 | 87.47055 | 1.5676 | 2.17E-10 |
| OS11G0545300 | 997.78387 | 1379.77798 | -0.46764 | 0.04343 |
| OS11G0546900 | 797.53672 | 503.17477 | 0.66449 | 0.00316 |
| OS11G0549469 | 4.66881 | 29.99971 | -2.6838 | 0.0006 |
| OS11G0549900 | 1977.66014 | 1089.83459 | 0.85969 | 1.70E-05 |
| OS11G0550300 | 42.81902 | 91.23739 | -1.0914 | 0.00382 |
| OS11G0550500 | 281.97436 | 413.67073 | -0.55292 | 0.02389 |
| OS11G0557300 | 56.54122 | 105.51419 | -0.90006 | 0.01132 |
| OS11G0557700 | 7.0371 | 37.72125 | -2.4223 | 2.17E-05 |
| OS11G0558200 | 152.03454 | 94.80944 | 0.6813 | 0.03313 |
| OS11G0558900 | 7.24012 | 102.12982 | -3.8182 | 1.53E-20 |
| OS11G0564800 | 5.77405 | 37.15731 | -2.686 | 6.63E-06 |
| OS11G0565000 | 48.86627 | 196.83852 | -2.0101 | 2.65E-13 |
| OS11G0565300 | 245.87524 | 100.99018 | 1.2837 | 3.19E-07 |
| OS11G0565920 | 68.15463 | 155.34664 | -1.1886 | 3.29E-05 |

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| OS11G0567600 | 6.16371 | 51.14803 | -3.0528 | 5.05E-09 |
| OS11G0567800 | 46.36137 | 182.17191 | -1.9743 | 1.22E-12 |
| OS11G0568300 | 13.25851 | 31.20706 | -1.235 | 0.03722 |
| OS11G0568500 | 56.93848 | 99.18137 | -0.80067 | 0.02239 |
| OS11G0568600 | 66.82633 | 114.64495 | -0.77868 | 0.02239 |
| OS11G0569500 | 23.05606 | 100.03124 | -2.1172 | 2.48E-09 |
| OS11G0569600 | 12.45903 | 49.50816 | -1.9905 | 4.00E-05 |
| OS11G0572100 | 233.88968 | 388.09176 | -0.73057 | 0.00262 |
| OS11G0572800 | 13.43644 | 52.6491 | -1.9703 | 2.85E-05 |
| OS11G0582000 | 252.82446 | 66.47026 | 1.9274 | 4.52E-13 |
| OS11G0582100 | 745.35637 | 1153.21594 | -0.62966 | 0.00586 |
| OS11G0582300 | 291.71063 | 155.55743 | 0.90709 | 0.00032 |
| OS11G0584100 | 5.25028 | 17.82072 | -1.7631 | 0.04045 |
| OS11G0585700 | 49.9215 | 110.14893 | -1.1417 | 0.00116 |
| OS11G0586300 | 1285.17535 | 715.48119 | 0.84498 | 3.77E-05 |
| OS11G0588300 | 674.67033 | 455.0204 | 0.56825 | 0.02223 |
| OS11G0588400 | 168.14725 | 275.94246 | -0.71464 | 0.04687 |
| OS11G0591100 | 647.90478 | 1021.90882 | -0.65741 | 0.00275 |
| OS11G0592000 | 19.49864 | 2.34217 | 3.0575 | 0.0002 |
| OS11G0592300 | 55.02128 | 22.9252 | 1.2631 | 0.00441 |
| OS11G0595200 | 1184.45235 | 720.05181 | 0.71805 | 0.00402 |
| OS11G0599200 | 3403.25699 | 2136.28395 | 0.67181 | 0.0009 |
| OS11G0601700 | 908.88226 | 421.0472 | 1.1101 | 3.78E-08 |
| OS11G0602200 | 603.83779 | 846.3932 | -0.48717 | 0.04289 |
| OS11G0602800 | 364.3192 | 240.86174 | 0.597 | 0.02157 |
| OS11G0603200 | 29182.4697 | 15301.01312 | 0.93147 | 6.48E-07 |
| OS11G0608000 | 96.56719 | 153.42164 | -0.6679 | 0.03861 |

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| OS11G0615100 | 39.48971 | 83.55653 | -1.0813 | 0.00429 |
| OS11G0618500 | 23.53223 | 62.28822 | -1.4043 | 0.00073 |
| OS11G0618700 | 0.39721 | 165.23502 | -8.7004 | 1.01E-48 |
| OS11G0618800 | 2.66021 | 17.12205 | -2.6862 | 0.00443 |
| OS11G0618850 | 13.10435 | 40.00437 | -1.6101 | 0.00193 |
| OS11G0621000 | 100.19372 | 222.99004 | -1.1542 | 1.45E-05 |
| OS11G0621300 | 132.05743 | 236.00786 | -0.83767 | 0.00209 |
| OS11G0621400 | 1321.82878 | 811.65678 | 0.70359 | 0.00297 |
| OS11G0629600 | 92.13272 | 181.23408 | -0.97607 | 0.00066 |
| OS11G0633500 | 155.16855 | 259.60706 | -0.74249 | 0.00543 |
| OS11G0634200 | 215.40603 | 521.72796 | -1.2762 | 3.58E-09 |
| OS11G0634350 | 2.68275 | 26.82559 | -3.3218 | 1.32E-05 |
| OS11G0634500 | 202.57997 | 313.04127 | -0.62786 | 0.01603 |
| OS11G0635500 | 1499.48784 | 719.0011 | 1.0604 | 0.01544 |
| OS11G0644500 | 747.49715 | 354.87385 | 1.0748 | 2.17E-07 |
| OS11G0644600 | 3946.59747 | 1839.36346 | 1.1014 | 2.11E-05 |
| OS11G0644800 | 2226.52884 | 754.17371 | 1.5618 | 3.00E-08 |
| OS11G0648000 | 352.80275 | 233.87694 | 0.59311 | 0.02223 |
| OS11G0649700 | 94.99337 | 466.96207 | -2.2974 | 1.71E-15 |
| OS11G0654800 | 144.36358 | 47.56542 | 1.6017 | 3.90E-08 |
| OS11G0658800 | 177.51661 | 87.24319 | 1.0248 | 0.00027 |
| OS11G0660000 | 1753.2511 | 604.78712 | 1.5355 | 1.54E-15 |
| OS11G0661200 | 218.48985 | 137.61272 | 0.66695 | 0.02045 |
| OS11G0665600 | 79.35545 | 129.73392 | -0.70915 | 0.04563 |
| OS11G0666200 | 6.19381 | 28.67436 | -2.2109 | 0.00082 |
| OS11G0667000 | 3.01233 | 21.06303 | -2.8058 | 0.03122 |
| OS11G0668100 | 60.58603 | 165.52157 | -1.45 | 3.38E-07 |

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| OS11G0668650 | 0.69669 | 9.45207 | -3.762 | 0.01795 |
| OS11G0669100 | 96.29025 | 259.21675 | -1.4287 | 1.23E-08 |
| OS11G0671000 | 192.40257 | 513.09356 | -1.4151 | 1.47E-06 |
| OS11G0671100 | 59.36314 | 124.37576 | -1.0671 | 0.00098 |
| OS11G0671950 | 23.10492 | 47.22677 | -1.0314 | 0.03855 |
| OS11G0672200 | 24.59982 | 65.37888 | -1.4102 | 0.00066 |
| OS11G0672300 | 516.77504 | 1535.86297 | -1.5714 | 1.37E-15 |
| OS11G0681400 | 6.56848 | 103.52478 | -3.9783 | 7.12E-12 |
| OS11G0684000 | 73.81579 | 38.7674 | 0.92909 | 0.01644 |
| OS11G0684700 | 83.74109 | 132.73596 | -0.66455 | 0.04301 |
| OS11G0703100 | 217.62635 | 116.59761 | 0.90031 | 0.00078 |
| OS11G0704000 | 10.49929 | 48.80783 | -2.2168 | 0.00109 |
| OS11G0704600 | 414.84734 | 230.16489 | 0.84991 | 0.00027 |
| OS11G0705200 | 127.2269 | 433.48549 | -1.7686 | 4.63E-06 |
| OS11G0705900 | 7.83908 | 22.3038 | -1.5085 | 0.04492 |
| OS11G0707000 | 690952.54594 | 334206.93903 | 1.0478 | 1.08E-08 |
| OS11G0707100 | 86.6007 | 24.18781 | 1.8401 | 0.04256 |
| OS12G0101800 | 527.51652 | 772.26004 | -0.54987 | 0.01853 |
| OS12G0102600 | 1003.66688 | 651.75314 | 0.62288 | 0.00474 |
| OS12G0103000 | 1095.50818 | 774.97195 | 0.49938 | 0.03009 |
| OS12G0104400 | 147.32413 | 34.36077 | 2.1002 | 0.04532 |
| OS12G0105200 | 16.76579 | 40.83263 | -1.2842 | 0.01126 |
| OS12G0105300 | 7781.7511 | 2856.68258 | 1.4458 | 2.41E-15 |
| OS12G0105500 | 63.99948 | 125.9182 | -0.97635 | 0.00233 |
| OS12G0105600 | 86.5782 | 172.92427 | -0.99806 | 0.0202 |
| OS12G0105800 | 163.08265 | 93.91867 | 0.79612 | 0.0077 |
| OS12G0106000 | 1024.49029 | 483.14981 | 1.0844 | 5.61E-08 |

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| OS12G0106700 | 104.86508 | 195.7294 | -0.90033 | 0.00128 |
| OS12G0108200 | 23.22014 | 73.35392 | -1.6595 | 2.17E-05 |
| OS12G0108350 | 13.53417 | 32.5749 | -1.2672 | 0.0395 |
| OS12G0109600 | 14.20076 | 52.05544 | -1.8741 | 7.87E-05 |
| OS12G0109900 | 65.9717 | 109.84182 | -0.73551 | 0.03574 |
| OS12G0110400 | 91.54752 | 159.03593 | -0.79676 | 0.00978 |
| OS12G0114100 | 6337.13619 | 4130.37494 | 0.61756 | 0.00904 |
| OS12G0115050 | 19.30067 | 126.9455 | -2.7175 | 1.18E-15 |
| OS12G0115300 | 8201.69055 | 2531.67005 | 1.6958 | 1.17E-12 |
| OS12G0115700 | 30.24969 | 4.4294 | 2.7717 | 0.04742 |
| OS12G0116000 | 97.42674 | 52.05772 | 0.90421 | 0.01818 |
| OS12G0116600 | 763.77947 | 172.41563 | 2.1473 | 1.22E-17 |
| OS12G0120400 | 127.46865 | 34.68105 | 1.8779 | 3.65E-07 |
| OS12G0121000 | 57.76533 | 30.70965 | 0.91151 | 0.03952 |
| OS12G0122000 | 1013.09865 | 697.28528 | 0.53895 | 0.01579 |
| OS12G0123100 | 104.56425 | 216.30826 | -1.0487 | 6.63E-05 |
| OS12G0123200 | 40.17897 | 191.96359 | -2.2563 | 2.22E-15 |
| OS12G0123500 | 2422.859 | 317.00861 | 2.9341 | 1.98E-05 |
| OS12G0124000 | 3692.46376 | 1648.87277 | 1.1631 | 2.98E-07 |
| OS12G0124100 | 169.95579 | 108.4876 | 0.64763 | 0.04286 |
| OS12G0124300 | 17.19183 | 44.82745 | -1.3827 | 0.00596 |
| OS12G0125400 | 177.94382 | 108.15093 | 0.71838 | 0.02072 |
| OS12G0125500 | 326.47986 | 113.47046 | 1.5247 | 1.68E-10 |
| OS12G0125800 | 16.4863 | 2.2147 | 2.8961 | 0.00172 |
| OS12G0127200 | 29.25487 | 63.62674 | -1.121 | 0.00989 |
| OS12G0129700 | 192.35663 | 372.75181 | -0.95443 | 5.00E-05 |
| OS12G0130200 | 0.42353 | 11.43367 | -4.7547 | 0.00174 |

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| OS12G0132000 | 1495.60434 | 972.97573 | 0.62025 | 0.02093 |
| OS12G0133050 | 40.66131 | 75.39836 | -0.89088 | 0.03161 |
| OS12G0133100 | 192.52327 | 33.13363 | 2.5387 | 6.90E-16 |
| OS12G0133201 | 65.01552 | 17.77854 | 1.8706 | 3.65E-06 |
| OS12G0134000 | 721.89137 | 437.3292 | 0.72306 | 0.00154 |
| OS12G0134700 | 279.27376 | 157.29269 | 0.82823 | 0.04893 |
| OS12G0134900 | 43.30025 | 18.6306 | 1.2167 | 0.01808 |
| OS12G0135051 | 35.35588 | 3.57718 | 3.3051 | 9.09E-06 |
| OS12G0135100 | 35.35966 | 12.1105 | 1.5458 | 0.00505 |
| OS12G0138900 | 43.69746 | 118.92465 | -1.4444 | 7.59E-06 |
| OS12G0141000 | 3.12883 | 15.13122 | -2.2738 | 0.02023 |
| OS12G0144200 | 249.51533 | 42.86823 | 2.5411 | 2.09E-22 |
| OS12G0145100 | 196.90232 | 124.37527 | 0.66278 | 0.02312 |
| OS12G0145566 | 265.09954 | 536.17922 | -1.0162 | 3.90E-06 |
| OS12G0148600 | 14.1344 | 33.06451 | -1.2261 | 0.03749 |
| OS12G0148700 | 3.26044 | 30.85919 | -3.2426 | 2.03E-06 |
| OS12G0149000 | 213.36613 | 121.44308 | 0.81305 | 0.00302 |
| OS12G0149900 | 1399.34628 | 718.19272 | 0.96231 | 1.84E-06 |
| OS12G0152700 | 624.45191 | 900.78993 | -0.5286 | 0.02738 |
| OS12G0152750 | 198.98111 | 129.76773 | 0.6167 | 0.04303 |
| OS12G0152800 | 1065.80578 | 598.71018 | 0.83201 | 0.00022 |
| OS12G0153900 | 518.86366 | 327.26708 | 0.66489 | 0.00409 |
| OS12G0156100 | 12.85246 | 34.16283 | -1.4104 | 0.01472 |
| OS12G0156400 | 250.52148 | 373.5557 | -0.57639 | 0.02384 |
| OS12G0158700 | 623.97005 | 307.93704 | 1.0188 | 5.50E-05 |
| OS12G0158800 | 411.67199 | 268.80528 | 0.61493 | 0.01639 |
| OS12G0160100 | 49.85374 | 11.51896 | 2.1137 | 7.25E-06 |

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| OS12G0166700 | 138.89398 | 230.63622 | -0.73164 | 0.00755 |
| OS12G0168900 | 2448.98957 | 1729.46692 | 0.50186 | 0.02504 |
| OS12G0169000 | 507.17159 | 315.78396 | 0.68354 | 0.00465 |
| OS12G0169400 | 3904.17805 | 1763.25533 | 1.1468 | 1.10E-09 |
| OS12G0169600 | 4890.59172 | 1049.10346 | 2.2209 | 1.00E-33 |
| OS12G0170100 | 100.51439 | 168.02471 | -0.74127 | 0.01415 |
| OS12G0170600 | 174.83765 | 284.20888 | -0.70094 | 0.00692 |
| OS12G0170700 | 32.00781 | 72.80662 | -1.1856 | 0.00257 |
| OS12G0172400 | 3.90071 | 16.229 | -2.0568 | 0.02886 |
| OS12G0175700 | 299.97673 | 457.02087 | -0.60741 | 0.01319 |
| OS12G0175800 | 1.56631 | 21.7918 | -3.7983 | 2.53E-05 |
| OS12G0175900 | 6.81531 | 85.36605 | -3.6468 | 1.62E-16 |
| OS12G0176800 | 149.76917 | 235.5903 | -0.65354 | 0.02058 |
| OS12G0179800 | 424.92366 | 256.46837 | 0.72842 | 0.02729 |
| OS12G0182800 | 54.25568 | 96.59863 | -0.83223 | 0.02592 |
| OS12G0183100 | 3195.64843 | 1426.64653 | 1.1635 | 4.42E-10 |
| OS12G0185900 | 23.33549 | 52.16273 | -1.1605 | 0.01855 |
| OS12G0188500 | 16.91111 | 4.81929 | 1.8111 | 0.04099 |
| OS12G0189300 | 91430.60904 | 26520.70461 | 1.7856 | 3.19E-05 |
| OS12G0189400 | 33133.42466 | 18439.31556 | 0.8455 | 2.47E-05 |
| OS12G0189700 | 1798.1476 | 1090.12777 | 0.72201 | 0.0004 |
| OS12G0190000 | 75975.89149 | 38491.005 | 0.98102 | 1.59E-07 |
| OS12G0190200 | 3400.35974 | 2035.04536 | 0.74063 | 0.00024 |
| OS12G0194100 | 68.67212 | 128.47447 | -0.90369 | 0.00381 |
| OS12G0194266 | 70.33836 | 143.34154 | -1.0271 | 0.00083 |
| OS12G0197200 | 211.21246 | 354.37378 | -0.74658 | 0.00176 |
| OS12G0197700 | 492.57996 | 300.6741 | 0.71216 | 0.02694 |

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|--------------|------------|------------|----------|----------|
| OS12G0198400 | 51.21957 | 90.47748 | -0.82086 | 0.02631 |
| OS12G0199500 | 45.22496 | 10.05661 | 2.169 | 7.96E-06 |
| OS12G0203000 | 47.97552 | 84.62096 | -0.81872 | 0.03184 |
| OS12G0206700 | 407.90797 | 266.60162 | 0.61356 | 0.01396 |
| OS12G0208900 | 260.62118 | 122.29158 | 1.0916 | 2.29E-05 |
| OS12G0208950 | 299.23231 | 146.06154 | 1.0347 | 6.36E-05 |
| OS12G0210400 | 712.43693 | 2671.38063 | -1.9068 | 7.25E-24 |
| OS12G0222300 | 32.5593 | 390.96746 | -3.5859 | 2.62E-09 |
| OS12G0222800 | 9.32642 | 44.9367 | -2.2685 | 1.27E-05 |
| OS12G0222900 | 14.55416 | 54.79379 | -1.9126 | 2.40E-05 |
| OS12G0226400 | 8.13101 | 36.13718 | -2.152 | 0.00017 |
| OS12G0226900 | 13.18204 | 1.96513 | 2.7459 | 0.00949 |
| OS12G0231000 | 835.28656 | 198.16826 | 2.0755 | 0.0032 |
| OS12G0236100 | 29.4039 | 403.8648 | -3.7798 | 0.04153 |
| OS12G0236200 | 0.42353 | 8.17661 | -4.271 | 0.01611 |
| OS12G0236225 | 0 | 71.76691 | | 0.00096 |
| OS12G0242500 | 441.75299 | 189.88645 | 1.2181 | 2.61E-08 |
| OS12G0244200 | 34.34977 | 87.30933 | -1.3458 | 0.00017 |
| OS12G0247700 | 94.17491 | 0 | | 2.62E-09 |
| OS12G0257400 | 0 | 7.95101 | | 0.00542 |
| OS12G0261300 | 229.33878 | 34.13674 | 2.7481 | 4.32E-05 |
| OS12G0263200 | 1614.68728 | 1110.41136 | 0.54016 | 0.01738 |
| OS12G0263600 | 133.87805 | 57.97391 | 1.2074 | 8.44E-05 |
| OS12G0266000 | 64.36141 | 120.64533 | -0.9065 | 0.00802 |
| OS12G0270300 | 513.48354 | 327.69577 | 0.64796 | 0.00588 |
| OS12G0271700 | 960.48447 | 665.37485 | 0.52959 | 0.02954 |
| OS12G0273900 | 94.5562 | 28.36022 | 1.7373 | 9.07E-07 |

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|--------------|-------------|-------------|----------|----------|
| OS12G0277000 | 46.52554 | 249.44223 | -2.4226 | 4.12E-09 |
| OS12G0279000 | 90.10782 | 193.01579 | -1.099 | 4.53E-05 |
| OS12G0281600 | 232.65924 | 71.61638 | 1.6999 | 2.41E-11 |
| OS12G0284850 | 71.76452 | 147.3567 | -1.038 | 0.00055 |
| OS12G0290150 | 1330.61787 | 940.71151 | 0.50027 | 0.02899 |
| OS12G0290200 | 19.06389 | 47.36377 | -1.3129 | 0.00995 |
| OS12G0406000 | 63.06453 | 178.57068 | -1.5016 | 4.93E-07 |
| OS12G0411700 | 50.20829 | 20.20757 | 1.313 | 0.01319 |
| OS12G0417000 | 44.13233 | 90.62923 | -1.0381 | 0.00487 |
| OS12G0420000 | 104.10441 | 44.72931 | 1.2187 | 0.00024 |
| OS12G0420200 | 22423.37332 | 12350.11944 | 0.86048 | 0.00794 |
| OS12G0420400 | 25237.55598 | 15856.35038 | 0.67051 | 0.00467 |
| OS12G0421000 | 786.00887 | 421.26145 | 0.89983 | 0.00035 |
| OS12G0431100 | 253.23447 | 586.77785 | -1.2123 | 1.28E-06 |
| OS12G0433700 | 165.77776 | 22.4851 | 2.8822 | 2.15E-08 |
| OS12G0438300 | 538.45602 | 277.94021 | 0.95405 | 0.00642 |
| OS12G0438400 | 241.87311 | 141.12344 | 0.77729 | 0.00484 |
| OS12G0438600 | 170.38277 | 16.33289 | 3.3829 | 5.53E-10 |
| OS12G0441600 | 2781.68034 | 1160.61719 | 1.2611 | 0.00012 |
| OS12G0441700 | 294.81195 | 459.44115 | -0.64009 | 0.00875 |
| OS12G0443500 | 150.76767 | 321.21664 | -1.0912 | 7.67E-06 |
| OS12G0450300 | 10.25496 | 100.39427 | -3.2913 | 0.00459 |
| OS12G0456200 | 171.93307 | 91.8297 | 0.90481 | 0.00191 |
| OS12G0458100 | 147.39948 | 1.0556 | 7.1255 | 0.02977 |
| OS12G0479400 | 5116.67597 | 2149.63111 | 1.2511 | 1.46E-11 |
| OS12G0479900 | 772.87136 | 515.02961 | 0.58557 | 0.01237 |
| OS12G0481100 | 56.93848 | 105.25231 | -0.88638 | 0.00911 |

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|--------------|------------|------------|----------|----------|
| OS12G0484600 | 468.87829 | 894.7065 | -0.9322 | 3.18E-05 |
| OS12G0484700 | 70.95231 | 154.08924 | -1.1188 | 0.00016 |
| OS12G0489400 | 263.97566 | 147.92299 | 0.83556 | 0.00166 |
| OS12G0492600 | 32.5278 | 93.54969 | -1.5241 | 2.16E-05 |
| OS12G0493900 | 19.7568 | 4.95251 | 1.9961 | 0.02077 |
| OS12G0495525 | 1.49112 | 36.20884 | -4.6019 | 1.14E-06 |
| OS12G0496900 | 28.08833 | 55.79902 | -0.99027 | 0.02947 |
| OS12G0502100 | 45.91915 | 90.98465 | -0.98653 | 0.00674 |
| OS12G0502200 | 137.87399 | 234.23696 | -0.76462 | 0.0042 |
| OS12G0502800 | 3594.01561 | 2324.24018 | 0.62884 | 0.00266 |
| OS12G0507300 | 157.02666 | 270.83191 | -0.78639 | 0.00245 |
| OS12G0507350 | 20.62014 | 48.36939 | -1.23 | 0.01086 |
| OS12G0510000 | 12.60941 | 50.61547 | -2.0051 | 2.91E-05 |
| OS12G0510500 | 8.60341 | 31.3547 | -1.8657 | 0.00205 |
| OS12G0511000 | 672.73035 | 379.84232 | 0.82463 | 0.00013 |
| OS12G0512400 | 22.28923 | 64.88706 | -1.5416 | 0.00014 |
| OS12G0514000 | 1766.02219 | 926.37214 | 0.93084 | 2.10E-06 |
| OS12G0515400 | 2043.83319 | 1392.37277 | 0.55373 | 0.01077 |
| OS12G0515600 | 514.46565 | 757.4033 | -0.55799 | 0.02547 |
| OS12G0518200 | 17.20804 | 2.00021 | 3.1049 | 0.00946 |
| OS12G0527700 | 18.07515 | 89.58134 | -2.3092 | 9.29E-10 |
| OS12G0528801 | 85.16453 | 175.26114 | -1.0412 | 0.00031 |
| OS12G0530000 | 22.66262 | 52.12599 | -1.2017 | 0.009 |
| OS12G0534100 | 199.87195 | 120.6086 | 0.72874 | 0.00955 |
| OS12G0538700 | 166.17362 | 30.20664 | 2.4598 | 0.00239 |
| OS12G0539800 | 0 | 12.84984 | | 9.42E-05 |
| OS12G0540900 | 140.73327 | 223.89713 | -0.66987 | 0.02011 |

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|--------------|-------------|------------|----------|----------|
| OS12G0541500 | 1838.45808 | 1003.7858 | 0.87304 | 0.00475 |
| OS12G0541700 | 41.32289 | 5.90823 | 2.8061 | 0.00021 |
| OS12G0545900 | 63.19737 | 109.35931 | -0.79114 | 0.0263 |
| OS12G0547600 | 305.39358 | 581.66497 | -0.92952 | 0.00033 |
| OS12G0552400 | 6.51961 | 51.75952 | -2.989 | 5.83E-06 |
| OS12G0552800 | 399.46633 | 137.87419 | 1.5347 | 7.71E-12 |
| OS12G0553800 | 30.05057 | 8.36328 | 1.8453 | 0.002 |
| OS12G0554100 | 174.95288 | 74.96085 | 1.2228 | 1.40E-05 |
| OS12G0555000 | 619.8106 | 252.10844 | 1.2978 | 0.03052 |
| OS12G0555500 | 4982.12457 | 1263.42349 | 1.9794 | 0.00229 |
| OS12G0556200 | 74.86338 | 128.79845 | -0.78278 | 0.01491 |
| OS12G0556500 | 70.36231 | 347.96158 | -2.3061 | 1.24E-21 |
| OS12G0559200 | 12230.31911 | 1370.16536 | 3.158 | 0.01031 |
| OS12G0560300 | 584.2619 | 360.50428 | 0.6966 | 0.00254 |
| OS12G0561900 | 66.16839 | 27.81497 | 1.2503 | 0.01005 |
| OS12G0562100 | 121.58926 | 779.39807 | -2.6803 | 3.39E-23 |
| OS12G0562900 | 132.89699 | 206.54939 | -0.63618 | 0.02828 |
| OS12G0563400 | 129.84437 | 202.01143 | -0.63765 | 0.02758 |
| OS12G0563500 | 60.71514 | 137.47405 | -1.179 | 7.40E-05 |
| OS12G0563600 | 5954.24949 | 3978.17817 | 0.58181 | 0.00589 |
| OS12G0565166 | 16.47131 | 54.42945 | -1.7244 | 0.00016 |
| OS12G0566700 | 1961.25597 | 917.0813 | 1.0967 | 1.83E-08 |
| OS12G0568100 | 145.9861 | 76.04941 | 0.94082 | 0.00186 |
| OS12G0569500 | 3741.13237 | 340.99191 | 3.4557 | 0.00051 |
| OS12G0570700 | 98.81014 | 57.90707 | 0.77092 | 0.03097 |
| OS12G0574900 | 94.39454 | 212.00332 | -1.1673 | 7.71E-06 |
| OS12G0575000 | 13261.85374 | 9078.61484 | 0.54674 | 0.00823 |

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|--------------|------------|------------|----------|----------|
| OS12G0576100 | 175.76509 | 5.0449 | 5.1227 | 0.0231 |
| OS12G0576300 | 670.75709 | 412.47315 | 0.70149 | 0.0027 |
| OS12G0576700 | 29.31627 | 417.09124 | -3.8306 | 9.04E-38 |
| OS12G0576900 | 214.79739 | 138.46729 | 0.63343 | 0.04142 |
| OS12G0577600 | 1759.52334 | 832.90654 | 1.079 | 4.97E-08 |
| OS12G0577700 | 46.3977 | 11.71486 | 1.9857 | 0.0003 |
| OS12G0578400 | 26.18862 | 70.46808 | -1.428 | 0.00065 |
| OS12G0579450 | 18.73936 | 66.60609 | -1.8296 | 9.46E-06 |
| OS12G0582800 | 397.0817 | 274.66821 | 0.53175 | 0.04351 |
| OS12G0583300 | 754.89853 | 93.40091 | 3.0148 | 4.73E-11 |
| OS12G0589100 | 605.59605 | 932.12569 | -0.62217 | 0.03643 |
| OS12G0592200 | 45.82634 | 93.32258 | -1.026 | 0.00457 |
| OS12G0594000 | 457.91513 | 182.49715 | 1.3272 | 0.00867 |
| OS12G0597000 | 182.1552 | 99.64687 | 0.87027 | 0.00144 |
| OS12G0600701 | 3543.54882 | 2582.44644 | 0.45646 | 0.04287 |
| OS12G0603700 | 85.76221 | 208.44533 | -1.2813 | 0.00068 |
| OS12G0603800 | 48.44775 | 21.06531 | 1.2016 | 0.00982 |
| OS12G0604000 | 33.3173 | 63.45632 | -0.92949 | 0.03946 |
| OS12G0604700 | 56.20285 | 12.36945 | 2.1839 | 2.80E-06 |
| OS12G0607100 | 177.58672 | 281.41117 | -0.66416 | 0.01358 |
| OS12G0607400 | 277.88322 | 480.33685 | -0.78957 | 0.00073 |
| OS12G0608500 | 25.21376 | 8.03054 | 1.6506 | 0.01687 |
| OS12G0609200 | 557.94093 | 889.85679 | -0.67346 | 0.00257 |
| OS12G0609500 | 255.24544 | 139.56032 | 0.871 | 0.00847 |
| OS12G0609800 | 32.36121 | 76.39475 | -1.2392 | 0.00096 |
| OS12G0609900 | 7.76262 | 42.97505 | -2.4689 | 8.87E-06 |
| OS12G0610200 | 4202.05543 | 1835.23058 | 1.1951 | 1.47E-10 |

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|--------------|------------|------------|----------|----------|
| OS12G0610250 | 239.04388 | 120.46693 | 0.98864 | 0.00018 |
| OS12G0610600 | 79.4207 | 182.44262 | -1.1999 | 0.00162 |
| OS12G0611100 | 49.59307 | 180.17054 | -1.8612 | 5.44E-07 |
| OS12G0611200 | 45.0056 | 148.6949 | -1.7242 | 7.80E-09 |
| OS12G0613500 | 96.37312 | 166.68903 | -0.79046 | 0.00792 |
| OS12G0615400 | 7199.35169 | 4552.33028 | 0.66126 | 0.00088 |
| OS12G0615900 | 12.13701 | 35.93743 | -1.5661 | 0.00512 |
| OS12G0616800 | 612.89261 | 408.43102 | 0.58554 | 0.01784 |
| OS12G0617250 | 52.55033 | 12.83525 | 2.0336 | 0.00062 |
| OS12G0617800 | 1848.68085 | 773.49778 | 1.257 | 7.22E-11 |
| OS12G0618800 | 3187.67896 | 2235.40793 | 0.51197 | 0.01887 |
| OS12G0620400 | 5646.80128 | 4061.79817 | 0.47532 | 0.03094 |
| OS12G0626400 | 861.04102 | 453.35867 | 0.92543 | 1.81E-05 |
| OS12G0628100 | 1590.22962 | 855.19706 | 0.89491 | 1.06E-05 |
| OS12G0630700 | 361.96 | 238.8892 | 0.59949 | 0.02289 |
| OS12G0631600 | 62.24756 | 102.82848 | -0.72415 | 0.0449 |
| OS12G0631800 | 19.931 | 43.26545 | -1.1182 | 0.02972 |
| OS12G0632000 | 2652.42643 | 4780.57491 | -0.84987 | 1.23E-05 |
| OS12G0632800 | 297.92175 | 1087.29104 | -1.8677 | 2.20E-08 |
| OS12G0632900 | 123.93746 | 75.51888 | 0.7147 | 0.02772 |
| OS12G0634000 | 11.34131 | 29.44318 | -1.3763 | 0.04198 |
| OS12G0634600 | 31.9715 | 157.29667 | -2.2986 | 0.00418 |
| OS12G0634700 | 65.71599 | 25.81059 | 1.3483 | 0.00047 |
| OS12G0637000 | 0.82075 | 10.04549 | -3.6135 | 0.01312 |
| OS12G0637100 | 374.49039 | 616.618 | -0.71945 | 0.0015 |
| OS12G0637300 | 213.15215 | 77.47691 | 1.46 | 2.60E-08 |
| OS12G0637400 | 28.85138 | 7.69221 | 1.9072 | 0.002 |

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|--------------|------------|------------|----------|----------|
| OS12G0638700 | 109.63651 | 66.55279 | 0.72016 | 0.04563 |
| OS12G0639100 | 159.87243 | 248.95285 | -0.63895 | 0.02687 |
| OS12G0639600 | 10.2474 | 141.09064 | -3.7833 | 3.44E-17 |
| OS12G0641400 | 2244.85558 | 1303.90496 | 0.78378 | 9.72E-05 |

257 Corrected pValue (Padj)< 0.05

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282 Supplementary Table 5
 283 The Gene Ontology (GO)-biological process assignments and their enrichment

| GO accession | Description | Term type | Corrected pValue | Up Gene | Down Gene |
|--------------|---|--------------------|------------------|---------|-----------|
| GO:0008152 | metabolic process | biological_process | 0.0002 | 1157 | 960 |
| GO:0016614 | "oxidoreductase activity, acting on CH-OH group of donors" | molecular_function | 0.00021 | 73 | 37 |
| GO:0016616 | "oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor" | molecular_function | 0.00021 | 72 | 33 |
| GO:0048037 | cofactor binding | molecular_function | 0.0016 | 115 | 54 |
| GO:0050662 | coenzyme binding | molecular_function | 0.0016 | 96 | 40 |
| GO:0044237 | cellular metabolic process | biological_process | 0.0016 | 791 | 755 |
| GO:0009058 | biosynthetic process | biological_process | 0.0016 | 514 | 423 |
| GO:0051287 | NAD binding | molecular_function | 0.00325 | 24 | 14 |
| GO:0006787 | porphyrin-containing compound catabolic process | biological_process | 0.00452 | 16 | 4 |
| GO:0033015 | tetrapyrrole catabolic process | biological_process | 0.00452 | 16 | 4 |
| GO:0051187 | cofactor catabolic process | biological_process | 0.00583 | 16 | 4 |
| GO:0046149 | pigment catabolic process | biological_process | 0.0076 | 15 | 4 |
| GO:1901576 | organic substance biosynthetic process | biological_process | 0.00901 | 471 | 409 |
| GO:0042440 | pigment metabolic process | biological_process | 0.00901 | 55 | 17 |
| GO:0015996 | chlorophyll catabolic process | biological_process | 0.00924 | 14 | 4 |
| GO:0047746 | chlorophyllase activity | molecular_function | 0.00924 | 14 | 4 |
| GO:0006720 | isoprenoid metabolic process | biological_process | 0.01066 | 31 | 3 |
| GO:0008299 | isoprenoid biosynthetic process | biological_process | 0.01066 | 31 | 3 |
| GO:0003735 | structural constituent of ribosome | molecular_function | 0.01066 | 37 | 84 |
| GO:0005840 | ribosome | cellular_component | 0.01066 | 37 | 84 |
| GO:0044249 | cellular biosynthetic process | biological_process | 0.01857 | 451 | 398 |
| GO:0010467 | gene expression | biological_process | 0.02232 | 320 | 339 |
| GO:0006694 | steroid biosynthetic process | biological_process | 0.02263 | 31 | 8 |

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|------------|--|--------------------|---------|------|------|
| | 3-beta-hydroxy-delta5-steroid dehydrogenase | | | | |
| GO:0003854 | activity | molecular_function | 0.02263 | 30 | 8 |
| GO:0016229 | steroid dehydrogenase activity | molecular_function | 0.02263 | 30 | 8 |
| | "steroid dehydrogenase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor" | | | | |
| GO:0033764 | | molecular_function | 0.02263 | 30 | 8 |
| GO:0019725 | cellular homeostasis | biological_process | 0.0236 | 29 | 12 |
| GO:0008150 | biological_process | biological_process | 0.02477 | 1475 | 1203 |
| GO:0030529 | ribonucleoprotein complex | cellular_component | 0.02477 | 44 | 98 |
| GO:0008202 | steroid metabolic process | biological_process | 0.02477 | 31 | 8 |
| GO:0051186 | cofactor metabolic process | biological_process | 0.02477 | 65 | 31 |
| GO:0006412 | translation | biological_process | 0.02477 | 50 | 111 |
| GO:0016491 | oxidoreductase activity | molecular_function | 0.02773 | 294 | 156 |
| GO:0003824 | catalytic activity | molecular_function | 0.02804 | 1085 | 857 |
| GO:0006721 | terpenoid metabolic process | biological_process | 0.02804 | 24 | 3 |
| GO:0016114 | terpenoid biosynthetic process | biological_process | 0.02804 | 24 | 3 |
| GO:0042254 | ribosome biogenesis | biological_process | 0.0406 | 8 | 25 |
| GO:0071704 | organic substance metabolic process | biological_process | 0.06013 | 888 | 801 |
| GO:0050801 | ion homeostasis | biological_process | 0.07901 | 7 | 3 |
| GO:0055065 | metal ion homeostasis | biological_process | 0.07901 | 7 | 3 |
| GO:0055080 | cation homeostasis | biological_process | 0.07901 | 7 | 3 |
| GO:0043170 | macromolecule metabolic process | biological_process | 0.07901 | 627 | 675 |
| GO:0034645 | cellular macromolecule biosynthetic process | biological_process | 0.07901 | 339 | 338 |
| GO:0044255 | cellular lipid metabolic process | biological_process | 0.08075 | 128 | 46 |
| GO:0008610 | lipid biosynthetic process | biological_process | 0.08119 | 112 | 42 |
| GO:0044238 | primary metabolic process | biological_process | 0.08119 | 840 | 785 |
| GO:0034470 | ncRNA processing | biological_process | 0.09036 | 38 | 38 |
| GO:0006778 | porphyrin-containing compound metabolic process | biological_process | 0.09036 | 44 | 14 |

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|------------|--|--------------------|---------|-----|-----|
| GO:0042592 | homeostatic process | biological_process | 0.09036 | 31 | 15 |
| GO:0009059 | macromolecule biosynthetic process | biological_process | 0.09036 | 341 | 340 |
| GO:0016052 | carbohydrate catabolic process | biological_process | 0.09036 | 32 | 10 |
| GO:0022613 | ribonucleoprotein complex biogenesis | biological_process | 0.09528 | 8 | 25 |
| GO:0016903 | "oxidoreductase activity, acting on the aldehyde or oxo group of donors" | molecular_function | 0.10889 | 17 | 6 |
| GO:0003857 | 3-hydroxyacyl-CoA dehydrogenase activity | molecular_function | 0.11135 | 16 | 7 |
| GO:0006629 | lipid metabolic process | biological_process | 0.11751 | 189 | 70 |
| GO:0004455 | ketol-acid reductoisomerase activity | molecular_function | 0.11763 | 7 | 4 |
| GO:0006873 | cellular ion homeostasis | biological_process | 0.12059 | 6 | 3 |
| GO:0006875 | cellular metal ion homeostasis | biological_process | 0.12059 | 6 | 3 |
| GO:0030003 | cellular cation homeostasis | biological_process | 0.12059 | 6 | 3 |
| GO:0004013 | adenosylhomocysteinase activity | molecular_function | 0.12059 | 0 | 3 |
| GO:0016801 | "hydrolase activity, acting on ether bonds" | molecular_function | 0.12059 | 0 | 3 |
| GO:0016802 | trialkylsulfonium hydrolase activity | molecular_function | 0.12059 | 0 | 3 |
| GO:0016829 | lyase activity | molecular_function | 0.12086 | 67 | 26 |
| GO:0016846 | carbon-sulfur lyase activity | molecular_function | 0.12327 | 9 | 2 |
| GO:0019069 | viral capsid assembly | biological_process | 0.12327 | 11 | 7 |
| GO:0003913 | DNA photolyase activity | molecular_function | 0.12451 | 4 | 1 |
| GO:0044260 | cellular macromolecule metabolic process | biological_process | 0.12464 | 548 | 635 |
| GO:0004576 | oligosaccharyl transferase activity | molecular_function | 0.12627 | 1 | 4 |
| GO:0019538 | protein metabolic process | biological_process | 0.13425 | 301 | 387 |
| GO:0004779 | sulfate adenylyltransferase activity | molecular_function | 0.14065 | 2 | 1 |
| GO:0004781 | sulfate adenylyltransferase (ATP) activity | molecular_function | 0.14065 | 2 | 1 |
| GO:0015994 | chlorophyll metabolic process | biological_process | 0.15505 | 30 | 11 |
| GO:0045454 | cell redox homeostasis | biological_process | 0.16188 | 23 | 9 |
| GO:0001071 | nucleic acid binding transcription factor activity | molecular_function | 0.17458 | 105 | 81 |
| GO:0003700 | sequence-specific DNA binding transcription | molecular_function | 0.17458 | 105 | 81 |

| factor activity | | | | | |
|-----------------|---|--------------------|---------|------|-----|
| GO:0006732 | coenzyme metabolic process | biological_process | 0.19135 | 25 | 19 |
| GO:0044267 | cellular protein metabolic process | biological_process | 0.19931 | 220 | 350 |
| GO:0055114 | oxidation-reduction process | biological_process | 0.19969 | 267 | 150 |
| GO:0005509 | calcium ion binding | molecular_function | 0.23067 | 48 | 33 |
| GO:0006487 | protein N-linked glycosylation | biological_process | 0.23067 | 4 | 2 |
| GO:0044710 | single-organism metabolic process | biological_process | 0.23422 | 494 | 281 |
| GO:0016108 | tetraterpenoid metabolic process | biological_process | 0.23422 | 18 | 2 |
| GO:0016109 | tetraterpenoid biosynthetic process | biological_process | 0.23422 | 18 | 2 |
| GO:0016116 | carotenoid metabolic process | biological_process | 0.23422 | 18 | 2 |
| GO:0016117 | carotenoid biosynthetic process | biological_process | 0.23422 | 18 | 2 |
| GO:0008652 | cellular amino acid biosynthetic process | biological_process | 0.23422 | 32 | 24 |
| GO:0008661 | 1-deoxy-D-xylulose-5-phosphate synthase activity | molecular_function | 0.25726 | 4 | 1 |
| | "transferase activity, transferring aldehyde or ketonic groups" | molecular_function | 0.25726 | 4 | 1 |
| | "oxidoreductase activity, acting on the aldehyde or oxo group of donors, disulfide as acceptor" | molecular_function | 0.26023 | 5 | 1 |
| GO:0004435 | phosphatidylinositol phospholipase C activity | molecular_function | 0.26369 | 4 | 0 |
| GO:0048878 | chemical homeostasis | biological_process | 0.28615 | 7 | 3 |
| GO:1901362 | organic cyclic compound biosynthetic process | biological_process | 0.29554 | 304 | 224 |
| GO:0055082 | cellular chemical homeostasis | biological_process | 0.30309 | 6 | 3 |
| GO:0006364 | rRNA processing | biological_process | 0.30309 | 6 | 17 |
| GO:0016072 | rRNA metabolic process | biological_process | 0.30309 | 6 | 17 |
| GO:0009987 | cellular process | biological_process | 0.31103 | 1070 | 934 |
| GO:0008430 | selenium binding | molecular_function | 0.36932 | 4 | 8 |
| GO:0033013 | tetrapyrrole metabolic process | biological_process | 0.37032 | 51 | 15 |
| | dolichyl-diphosphooligosaccharide-protein glycotransferase activity | molecular_function | 0.37675 | 1 | 3 |

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|------------|---|--------------------|---------|-----|-----|
| GO:0009108 | coenzyme biosynthetic process | biological_process | 0.39022 | 15 | 13 |
| GO:0015276 | ligand-gated ion channel activity | molecular_function | 0.39022 | 8 | 6 |
| GO:0022834 | ligand-gated channel activity | molecular_function | 0.39022 | 8 | 6 |
| GO:0050794 | regulation of cellular process | biological_process | 0.41005 | 327 | 250 |
| GO:0016070 | RNA metabolic process | biological_process | 0.41768 | 278 | 260 |
| GO:0015035 | protein disulfide oxidoreductase activity | molecular_function | 0.42933 | 15 | 3 |
| GO:0015036 | disulfide oxidoreductase activity | molecular_function | 0.42933 | 15 | 3 |
| GO:0072524 | pyridine-containing compound metabolic process | biological_process | 0.42971 | 12 | 8 |
| GO:0004629 | phospholipase C activity | molecular_function | 0.44633 | 4 | 0 |
| GO:0034660 | ncRNA metabolic process | biological_process | 0.44861 | 41 | 53 |
| GO:0031012 | extracellular matrix | cellular_component | 0.45116 | 19 | 13 |
| GO:0036355 | 2-iminoacetate synthase activity | molecular_function | 0.45116 | 6 | 1 |
| GO:0006230 | TMP biosynthetic process | biological_process | 0.45367 | 1 | 2 |
| GO:0046044 | TMP metabolic process | biological_process | 0.45367 | 1 | 2 |
| GO:0044421 | extracellular region part | cellular_component | 0.45367 | 61 | 46 |
| GO:0070085 | glycosylation | biological_process | 0.46532 | 27 | 13 |
| GO:0004488 | methylenetetrahydrofolate dehydrogenase (NADP+) activity | molecular_function | 0.47196 | 3 | 3 |
| GO:0006007 | glucose catabolic process | biological_process | 0.47196 | 21 | 7 |
| GO:0019320 | hexose catabolic process | biological_process | 0.47196 | 21 | 7 |
| GO:0042025 | host cell nucleus | cellular_component | 0.47196 | 37 | 24 |
| GO:0044724 | single-organism carbohydrate catabolic process | biological_process | 0.47196 | 26 | 8 |
| GO:0008831 | dTDP-4-dehydrorhamnose reductase activity | molecular_function | 0.47196 | 15 | 4 |
| GO:0006050 | mannosamine metabolic process | biological_process | 0.47196 | 5 | 1 |
| GO:0006051 | N-acetylmannosamine metabolic process | biological_process | 0.47196 | 5 | 1 |
| GO:0047465 | N-acylglucosamine-6-phosphate 2-epimerase activity | molecular_function | 0.47196 | 5 | 1 |
| GO:0046148 | pigment biosynthetic process | biological_process | 0.47631 | 39 | 12 |

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|------------|---|--------------------|---------|-----|----|
| GO:0044723 | single-organism carbohydrate metabolic process | biological_process | 0.47664 | 110 | 59 |
| GO:0008135 | "translation factor activity, nucleic acid binding" | molecular_function | 0.47664 | 9 | 13 |
| GO:0000272 | polysaccharide catabolic process | biological_process | 0.49517 | 10 | 2 |

284 Corrected pValue < 0.05

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310 Supplemental Table S6

311 Examples of the DEGs in *OsDETI* RNAi plants that are predicted to be involved in
 312 photosynthesis and thylakoid

| Geneid | log2FoldChange | Associated Gene Name | Description |
|--------------|----------------|----------------------|---|
| OS01G0938100 | 0.93149 | PSB28 | Photosystem II Psb28, class 1 |
| OS07G0556200 | 0.79382 | PETC | Rieske iron-sulphur protein. |
| OS09G0481200 | 0.55682 | P0463D04.20 | Photosystem I PsuG/PsuK protein |
| OS12G0189400 | 0.8455 | | Photosystem I PsuN, reaction centre subunit N |
| OS07G0188233 | 0.86861 | OSJNBB0084L07.18 | |
| OS02G0654300 | 2.3165 | OJ1003_B06.5 | |
| OS03G0279950 | 0.94847 | OS03G0279950 | Photosystem II PsbP, oxygen evolving complex |
| OS03G0731100 | 0.96985 | OS03G0731100 | Photosystem I PsuN, reaction centre subunit N |
| OS08G0200300 | 0.82423 | P0556A11.19 | Photosystem II PsbR |
| OS07G0186000 | 1.1085 | TRXH | Thioredoxin |
| OS12G0190200 | 0.74063 | | Photosystem II PsbP |
| OS06G0191300 | 0.61872 | OSJNBA0090D06.37-1 | Protein kinase domain |
| OS04G0476800 | 0.71231 | OSJNBA0044K18.2 | Phox/Bem1p Zinc finger, ZZ-type |
| OS07G0141400 | 0.61651 | OJ1351_C05.112 | Photosystem II PsbP |
| OS03G0203200 | 0.45957 | D14 | Alpha/Beta hydrolase fold |
| OS03G0129300 | 0.90348 | OS03G0129300 | Domain of unknown function CP12 |
| OS07G0148900 | 0.8053 | P0022E03.39 | Photosystem I PsuG/PsuK protein |
| OS12G0420400 | 0.67051 | | Photosystem I PsuL, reaction centre subunit XI |
| OS06G0711100 | 0.58675 | P0655A07.33 | |
| OS01G0934400 | 1.1437 | Photosystem II PsbP | |
| OS03G0802600 | -2.9331 | OSJNBA0087C10.13 | AAA+ ATPase domain |
| OS02G0592600 | -0.69566 | OSJNBA0016G10.15-1 | Phospholipase C |
| OS08G0564700 | -0.86388 | | Protein kinase domain |
| OS08G0113300 | -0.89063 | P0427G12.1 | Tetratricopeptide-like helical |
| OS05G0414200 | -0.6855 | P0017D10.15 | P-loop containing nucleoside triphosphate hydrolase |
| OS12G0123100 | -1.0487 | | |
| OS09G0334500 | -0.80547 | OJ1253_E02.7 | DNA-binding WRKY |
| OS01G0184200 | -0.71121 | | |
| OS09G0123300 | -0.92306 | P0415D04.48 | Protein kinase domain |
| OS01G0778800 | -0.57356 | P0010B10.6 | Peptidase M16, zinc-binding site |
| OS09G0345300 | -0.93388 | OSJNBB0085I16.18 | Leucine-rich repeat |
| OS03G0244700 | -1.7651 | OS03G0244700 | Armadillo |
| OS07G0537600 | -4.6698 | OJ1058_A12.140 | Protein kinase domain |
| OS08G0113600 | -3.6723 | P0427G12.5 | |
| OS06G0269300 | -0.74466 | OSJNBA0084K06.11 | NHL repeat |
| OS04G0450400 | -0.60466 | OSJNBA0086B14.5 | Zinc finger, RING-type |
| OS01G0589800 | 0.62074 | | Chlorophyll A-B binding protein |
| OS02G0197600 | 0.84211 | P0026H03.3-2 | Chlorophyll A-B binding protein |
| OS03G0240500 | -0.97545 | OS03G0240500 | Chloroplast protein import component Toc34 |

OS03G0835100

0.52365

OSJNBA0096106.18

Chloroplast protein import component Toc86/159

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342 Supplemental Table S7.

343 DEGs KEGG pathway enrichment results

| Pathway | Pathway ID | DEGs with pathway annotation | All genes with pathway annotation | Corrected P Value |
|---|------------|------------------------------|-----------------------------------|-------------------|
| Biosynthesis of secondary metabolites | osa01110 | 226 | 779 | 0.07412 |
| Pyruvate metabolism | osa00620 | 29 | 75 | 0.48481 |
| Carbon metabolism | osa01200 | 69 | 225 | 0.48481 |
| Pentose phosphate pathway | osa00030 | 20 | 48 | 0.48481 |
| Cyanoamino acid metabolism | osa00460 | 16 | 36 | 0.48481 |
| Plant hormone signal transduction | osa04075 | 57 | 184 | 0.48481 |
| Terpenoid backbone biosynthesis | osa00900 | 19 | 47 | 0.48481 |
| Carotenoid biosynthesis | osa00906 | 12 | 26 | 0.48481 |
| Glycolysis / Gluconeogenesis | osa00010 | 38 | 119 | 0.48481 |
| Degradation of aromatic compounds | osa01220 | 7 | 12 | 0.48481 |
| Ribosome biogenesis in eukaryotes | osa03008 | 30 | 90 | 0.48481 |
| Linoleic acid metabolism | osa00591 | 8 | 15 | 0.48481 |
| Carbon fixation in photosynthetic organisms | osa00710 | 26 | 77 | 0.48481 |
| Sulfur metabolism | osa00920 | 14 | 35 | 0.48481 |
| Flavonoid biosynthesis | osa00941 | 9 | 19 | 0.48481 |

344 Corrected pValue < 0.05

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