

1 **Supplementary materials**

2 **Table S1.** Summary of sequencing and mapping results of the 32 individuals included in the  
 3 bsRAD-seq library analysed.

| Treatment |       |         | Sample | No. clean paired-reads | Low quality (%) | GC content (%) | BS conversion rate (%) | Mapping rate (%) | Treatment combination level |
|-----------|-------|---------|--------|------------------------|-----------------|----------------|------------------------|------------------|-----------------------------|
| 5-Aza     | Water | Family  |        |                        |                 |                |                        |                  |                             |
| C         | WW    | PT_1031 | CC_253 | 4932295                | 0.16            | 27.5           | 99.51                  | 40.2             | Control                     |
| C         | WW    | PT_1001 | CC_225 | 5907482                | 0.16            | 28.5           | 99.33                  | 39.7             | Control                     |
| C         | WW    | PT_0969 | CC_147 | 2775753                | 0.17            | 28.0           | 99.21                  | 36.8             | Control                     |
| C         | WW    | PT_0925 | CC_001 | 7194273                | 0.16            | 29.5           | 99.43                  | 36.9             | Control                     |
| C         | WW    | CH_1307 | CC_491 | 1976553                | 0.15            | 29.0           | 99.45                  | 42.2             | Control                     |
| C         | WW    | CH_1245 | CC_433 | 1367138                | 0.15            | 29.5           | 99.56                  | 35.1             | Control                     |
| C         | WW    | CH_1233 | CC_409 | 5295301                | 0.16            | 26.5           | 99.42                  | 39.0             | Control                     |
| C         | WW    | CH_1187 | CC_291 | 5193693                | 0.17            | 30.5           | 99.46                  | 35.2             | Control                     |
| C         | WS    | PT_1031 | CD_259 | 6767212                | 0.16            | 26.5           | 99.36                  | 41.0             | WS                          |
| C         | WS    | PT_1001 | CD_219 | 6453453                | 0.16            | 31.0           | 99.31                  | 37.6             | WS                          |
| C         | WS    | PT_0969 | CD_163 | 7364511                | 0.16            | 28.0           | 99.45                  | 37.5             | WS                          |
| C         | WS    | PT_0925 | CD_005 | 11417213               | 0.16            | 28.0           | 99.40                  | 39.5             | WS                          |
| C         | WS    | CH_1307 | CD_485 | 1133391                | 0.15            | 28.5           | 99.58                  | 41.4             | WS                          |
| C         | WS    | CH_1245 | CD_445 | 1676382                | 0.15            | 28.0           | 99.27                  | 38.0             | WS                          |
| C         | WS    | CH_1233 | CD_431 | 4738894                | 0.16            | 27.0           | 99.55                  | 40.2             | WS                          |
| C         | WS    | CH_1187 | CD_297 | 3040251                | 0.17            | 31.0           | 99.40                  | 35.0             | WS                          |
| A         | WW    | PT_1031 | AC_252 | 8958157                | 0.16            | 29.0           | 99.47                  | 38.9             | 5-Aza                       |
| A         | WW    | PT_1001 | AC_220 | 5595964                | 0.17            | 28.0           | 99.40                  | 37.7             | 5-Aza                       |
| A         | WW    | PT_0969 | AC_146 | 2702015                | 0.17            | 28.5           | 99.48                  | 36.6             | 5-Aza                       |
| A         | WW    | PT_0925 | AC_016 | 4224209                | 0.16            | 31.0           | 99.23                  | 37.3             | 5-Aza                       |
| A         | WW    | CH_1307 | AC_494 | 2236321                | 0.15            | 28.0           | 99.25                  | 42.0             | 5-Aza                       |
| A         | WW    | CH_1245 | AC_438 | 1209208                | 0.15            | 30.0           | 99.47                  | 37.5             | 5-Aza                       |
| A         | WW    | CH_1233 | AC_422 | 5638260                | 0.16            | 28.0           | 99.38                  | 38.3             | 5-Aza                       |
| A         | WW    | CH_1187 | AC_300 | 3324116                | 0.16            | 28.0           | 99.56                  | 36.3             | 5-Aza                       |
| A         | WS    | PT_1031 | AD_254 | 7102151                | 0.16            | 29.5           | 99.53                  | 41.2             | 5-Aza+WS                    |
| A         | WS    | PT_1001 | AD_222 | 2275920                | 0.17            | 31.0           | 99.59                  | 36.5             | 5-Aza+WS                    |
| A         | WS    | PT_0969 | AD_164 | 4611977                | 0.16            | 29.0           | 99.47                  | 38.6             | 5-Aza+WS                    |
| A         | WS    | PT_0925 | AD_020 | 5908542                | 0.16            | 30.0           | 99.24                  | 37.5             | 5-Aza+WS                    |
| A         | WS    | CH_1307 | AD_482 | 1931984                | 0.15            | 28.0           | 99.40                  | 42.5             | 5-Aza+WS                    |
| A         | WS    | CH_1245 | AD_436 | 1926343                | 0.16            | 30.0           | 99.45                  | 36.7             | 5-Aza+WS                    |
| A         | WS    | CH_1233 | AD_416 | 4371719                | 0.17            | 29.0           | 99.18                  | 39.1             | 5-Aza+WS                    |
| A         | WS    | CH_1187 | AD_292 | 4316573                | 0.17            | 31.0           | 99.49                  | 35.7             | 5-Aza+WS                    |

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6 **Table S2.** Details of the DMR ( $\geq 10$  DMC) in *Erodium cicutarium* (Average methylation by  
7 treatment, q-values and cluster)

| Loci                | Context | Control | 5-Aza | WS    | 5-AzaWS | Qval_5Aza | Qval_WS   | Qval_5AzaWS | Treatment/<br>Cluster |
|---------------------|---------|---------|-------|-------|---------|-----------|-----------|-------------|-----------------------|
| <i>S10188_13237</i> | CHG     | 0.000   | 1.000 | 0.000 | 0.000   | 1.26E-119 | 7.89E-102 | 1.19E-64    | C1                    |
| <i>S10188_13239</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13240</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13241</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13243</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13246</i> | CG      | 0.000   | 1.000 | 0.000 | 0.000   | 8.87E-120 | 7.29E-102 | 9.31E-65    | C1                    |
| <i>S10188_13248</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13249</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13251</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13256</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13277</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13283</i> | CG      | 0.000   | 1.000 | 0.000 | 0.000   | 1.10E-119 | 1.01E-101 | 1.15E-64    | C1                    |
| <i>S10188_13286</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13287</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13288</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13297</i> | CG      | 0.004   | 1.000 | 0.000 | 0.000   | 3.42E-116 | 7.29E-102 | 9.28E-63    | C1                    |
| <i>S10188_13303</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13308</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 4.41E-64    | C1                    |
| <i>S10188_13316</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.73E-119 | 2.56E-101 | 3.75E-64    | C1                    |
| <i>S10188_13318</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13327</i> | CG      | 0.000   | 0.963 | 0.007 | 0.000   | 4.50E-94  | 4.35E-80  | 1.41E-55    | C1                    |
| <i>S10188_13336</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13339</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13351</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 4.29E-119 | 2.56E-101 | 3.92E-64    | C1                    |
| <i>S10188_13357</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |
| <i>S10188_13362</i> | CG      | 0.000   | 1.000 | 0.000 | 0.000   | 6.70E-120 | 5.29E-102 | 7.42E-65    | C1                    |
| <i>S10188_13365</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.64E-119 | 2.56E-101 | 3.72E-64    | C1                    |
| <i>S10188_13368</i> | CHH     | 0.000   | 1.000 | 0.000 | 0.000   | 3.24E-119 | 2.56E-101 | 3.58E-64    | C1                    |

|                    |     |       |         |       |         |           |           |           |       |
|--------------------|-----|-------|---------|-------|---------|-----------|-----------|-----------|-------|
| <i>S11263_305</i>  | CHH | 1.000 | 0.500   | 0.748 | 1.000   | 1.97E-10  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_312</i>  | CG  | 1.000 | 0.500   | 1.000 | 1.000   | 8.58E-24  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_321</i>  | CHG | 0.980 | 0.500   | 0.745 | 1.000   | 7.93E-10  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_324</i>  | CHG | 1.000 | 0.500   | 0.750 | 1.000   | 9.88E-12  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_328</i>  | CHG | 1.000 | 0.500   | 0.750 | 1.000   | 9.88E-12  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_333</i>  | CHG | 1.000 | 0.500   | 0.750 | 1.000   | 9.88E-12  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_340</i>  | CHG | 1.000 | 0.500   | 0.750 | 1.000   | 9.88E-12  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_343</i>  | CHH | 1.000 | 0.500   | 0.000 | 0.000   | 4.20E-23  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_353</i>  | CHG | 1.000 | 0.500   | 0.750 | 1.000   | 9.88E-12  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_381</i>  | CHH | 1.000 | 0.000   | 0.000 | 0.000   | 1.68E-32  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S11263_384</i>  | CHH | 1.000 | 0.000   | 0.000 | 0.000   | 1.68E-32  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S20359_1400</i> | CG  | 0.333 | 0.750   | 0.000 | 0.333   | 9.22E-15  | 1.48E-15  | 2.95E-02  | C1    |
| <i>S20359_1404</i> | CG  | 0.333 | 0.750   | 0.000 | 0.333   | 9.22E-15  | 1.48E-15  | 2.95E-02  | C1    |
| <i>S20359_1434</i> | CG  | 0.333 | 0.749   | 0.333 | 0.222   | 1.01E-15  | 3.07E-18  | 8.22E-04  | C1    |
| <i>S20359_1446</i> | CG  | 0.999 | 0.999   | 0.562 | 0.667   | 1.00E+00  | 1.00E+00  | 6.89E-22  | C7    |
| <i>S20359_1463</i> | CHH | 0.323 | 0.250   | 0.000 | 0.330   | 1.59E-02  | 8.65E-40  | 1.39E-36  | C3    |
| <i>S20359_1464</i> | CHH | 0.216 | 0.250   | 0.000 | 0.333   | 2.48E-02  | 5.22E-44  | 3.02E-39  | C3    |
| <i>S20359_1465</i> | CHH | 0.000 | 0.250   | 0.000 | 0.333   | 1.00E+00  | 3.00E-56  | 3.08E-28  | C3    |
| <i>S20359_1491</i> | CHH | 0.000 | 0.250   | 0.562 | 0.333   | 1.00E+00  | 7.45E-44  | 4.47E-01  | WS    |
| <i>S20359_1493</i> | CHH | 1.000 | 0.000   | 0.464 | 0.167   | 4.25E-109 | 1.00E+00  | 8.46E-10  | C4    |
| <i>S20359_1504</i> | CHG | 1.000 | 1.000   | 0.797 | 0.833   | 1.00E+00  | 1.00E+00  | 1.11E-08  | C7    |
| <i>S20359_1522</i> | CHH | 0.750 | 0.250   | 0.797 | 0.500   | 1.56E-38  | 1.74E-41  | 2.06E-34  | C5    |
| <i>S20359_1530</i> | CG  | 1.000 | 1.000   | 0.464 | 875.000 | 1.00E+00  | 1.00E+00  | 3.82E-13  | C6    |
| <i>S20359_1532</i> | CHH | 0.750 | 375.000 | 0.698 | 625.000 | 1.97E-37  | 9.20E-71  | 1.48E-43  | C5    |
| <i>S20359_1533</i> | CHH | 0.750 | 375.000 | 0.696 | 625.000 | 2.34E-37  | 1.37E-70  | 1.27E-43  | C5    |
| <i>S20359_1548</i> | CHH | 0.250 | 375.000 | 0.001 | 0.657   | 1.00E+00  | 3.77E-182 | 1.71E-58  | C3    |
| <i>S20359_1553</i> | CHH | 0.000 | 375.000 | 0.001 | 0.667   | 1.00E+00  | 1.39E-297 | 7.54E-84  | C3    |
| <i>S20359_1554</i> | CHH | 0.000 | 375.000 | 0.000 | 0.665   | 1.00E+00  | 6.92E-287 | 1.99E-140 | C3    |
| <i>S25751_3063</i> | CG  | 1.000 | 0.000   | 1.000 | 1.000   | 3.86E-18  | 1.17E-12  | 9.40E-10  | C5    |
| <i>S25751_3066</i> | CHH | 0.000 | 0.000   | 1.000 | 0.500   | 1.00E+00  | 2.45E-11  | 1.00E+00  | WS    |
| <i>S25751_3073</i> | CG  | 0.500 | 0.000   | 1.000 | 1.000   | 2.29E-13  | 9.90E-11  | 1.71E-06  | C5    |

|                    |     |       |       |       |       |           |           |           |       |
|--------------------|-----|-------|-------|-------|-------|-----------|-----------|-----------|-------|
| <i>S25751_3084</i> | CHH | 0.998 | 0.000 | 0.000 | 1.000 | 3.39E-16  | 5.71E-12  | 4.64E-46  | C6    |
| <i>S25751_3091</i> | CHH | 0.500 | 0.000 | 0.000 | 0.500 | 1.00E+00  | 1.98E-06  | 3.36E-04  | C3    |
| <i>S25751_3093</i> | CHH | 1.000 | 0.000 | 0.000 | 1.000 | 1.95E-17  | 5.71E-12  | 1.42E-47  | C6    |
| <i>S25751_3101</i> | CG  | 0.998 | 0.000 | 1.000 | 1.000 | 7.01E-17  | 1.17E-12  | 5.48E-09  | C5    |
| <i>S25751_3104</i> | CG  | 0.500 | 0.000 | 1.000 | 0.500 | 1.00E+00  | 4.03E-07  | 1.00E+00  | WS    |
| <i>S25751_3107</i> | CHH | 1.000 | 0.000 | 1.000 | 1.000 | 1.89E-17  | 5.71E-12  | 4.61E-09  | C5    |
| <i>S25751_3114</i> | CHH | 1.000 | 0.000 | 1.000 | 1.000 | 1.89E-17  | 5.71E-12  | 4.61E-09  | C5    |
| <i>S25751_3122</i> | CHH | 0.000 | 0.000 | 1.000 | 0.500 | 1.00E+00  | 2.45E-11  | 1.00E+00  | WS    |
| <i>S25751_3127</i> | CHG | 1.000 | 0.000 | 0.000 | 0.500 | 5.82E-18  | 1.00E+00  | 1.90E-10  | C4    |
| <i>S25751_3131</i> | CHG | 1.000 | 0.000 | 1.000 | 1.000 | 5.82E-18  | 1.76E-12  | 1.42E-09  | C5    |
| <i>S25751_3136</i> | CHH | 1.000 | 1.000 | 1.000 | 0.500 | 1.00E+00  | 2.45E-11  | 1.46E-07  | C7    |
| <i>S25751_3142</i> | CHH | 0.500 | 0.000 | 1.000 | 0.500 | 1.58E-07  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S25751_3144</i> | CG  | 1.000 | 0.000 | 1.000 | 1.000 | 3.86E-18  | 1.17E-12  | 9.40E-10  | C5    |
| <i>S25751_3146</i> | CHH | 0.500 | 0.000 | 1.000 | 0.500 | 1.58E-07  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S25751_3149</i> | CG  | 1.000 | 1.000 | 0.000 | 1.000 | 1.00E+00  | 1.00E+00  | 3.57E-11  | C6    |
| <i>S25751_3150</i> | CHG | 1.000 | 0.000 | 1.000 | 0.500 | 5.82E-18  | 1.00E+00  | 1.00E+00  | NA    |
| <i>S27698_1141</i> | CHH | 0.000 | 1.000 | 0.000 | 1.000 | 2.48E-130 | 1.00E+00  | 1.00E+00  | NA    |
| <i>S27698_1148</i> | CHG | 0.438 | 1.000 | 0.000 | 1.000 | 8.39E-04  | 1.00E+00  | 9.95E-49  | C6    |
| <i>S27698_1172</i> | CHH | 0.056 | 0.265 | 0.000 | 0.000 | 7.31E-13  | 5.33E-64  | 8.56E-06  | C1    |
| <i>S27698_1174</i> | CHH | 0.993 | 1.000 | 0.000 | 1.000 | 1.00E+00  | 1.00E+00  | 2.52E-81  | C6    |
| <i>S27698_1175</i> | CHH | 1.000 | 0.999 | 0.000 | 1.000 | 1.00E+00  | 1.00E+00  | 2.56E-97  | C6    |
| <i>S27698_1179</i> | CHH | 0.429 | 0.266 | 0.000 | 1.000 | 6.60E-06  | 2.67E-54  | 6.41E-145 | C3    |
| <i>S27698_1180</i> | CHH | 1.000 | 1.000 | 0.000 | 0.000 | 1.00E+00  | 9.62E-247 | 1.00E+00  | WS    |
| <i>S27698_1183</i> | CHH | 0.559 | 0.737 | 0.000 | 1.000 | 3.33E-08  | 4.29E-63  | 6.08E-50  | C6    |
| <i>S27698_1185</i> | CHH | 0.438 | 0.264 | 0.000 | 1.000 | 1.35E-07  | 4.31E-55  | 7.89E-151 | C3    |
| <i>S27698_1189</i> | CHH | 1.000 | 0.262 | 0.000 | 1.000 | 7.12E-36  | 1.62E-55  | 1.23E-210 | C6    |
| <i>S27698_1236</i> | CHH | 0.438 | 0.736 | 1.000 | 1.000 | 1.12E-10  | 2.84E-63  | 1.62E-04  | C8    |
| <i>S27698_1238</i> | CHH | 0.438 | 0.997 | 1.000 | 1.000 | 1.13E-02  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S27698_1250</i> | CHH | 0.438 | 0.265 | 0.000 | 0.000 | 2.25E-07  | 5.33E-64  | 1.28E-02  | C4    |
| <i>S27698_1254</i> | CHG | 1.000 | 0.003 | 0.997 | 1.000 | 2.23E-153 | 4.72E-228 | 7.42E-92  | C5    |
| <i>S27698_1257</i> | CHH | 1.000 | 0.735 | 0.000 | 1.000 | 1.31E-41  | 5.33E-64  | 1.57E-220 | C6    |

|                     |     |       |       |       |       |           |           |           |       |
|---------------------|-----|-------|-------|-------|-------|-----------|-----------|-----------|-------|
| <i>S27698_1258</i>  | CHH | 0.438 | 0.735 | 0.000 | 1.000 | 6.04E-11  | 5.33E-64  | 1.11E-159 | C6    |
| <i>S27698_1259</i>  | CHH | 0.000 | 0.737 | 0.000 | 0.000 | 9.25E-36  | 2.29E-55  | 6.08E-19  | C1    |
| <i>S28865_10047</i> | CG  | 0.000 | 0.011 | 1.000 | 1.000 | 1.00E+00  | 9.41E-147 | 1.00E+00  | WS    |
| <i>S28865_10067</i> | CHG | 1.000 | 0.000 | 0.500 | 0.333 | 3.68E-06  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S28865_10080</i> | CHG | 0.498 | 0.000 | 1.000 | 1.000 | 1.00E+00  | 4.82E-07  | 1.00E+00  | WS    |
| <i>S28865_10084</i> | CHH | 0.000 | 0.000 | 0.500 | 0.667 | 1.00E+00  | 3.89E-02  | 1.00E+00  | WS    |
| <i>S28865_10091</i> | CHH | 0.000 | 0.000 | 0.500 | 0.667 | 1.00E+00  | 7.31E-04  | 1.00E+00  | WS    |
| <i>S28865_10106</i> | CHH | 0.002 | 0.000 | 0.500 | 0.667 | 1.00E+00  | 6.54E-04  | 1.00E+00  | WS    |
| <i>S28865_10108</i> | CG  | 0.999 | 0.000 | 1.000 | 1.000 | 1.58E-251 | 8.83E-167 | 4.98E-43  | C5    |
| <i>S28865_10116</i> | CHH | 0.212 | 0.000 | 0.500 | 0.667 | 1.00E+00  | 3.42E-02  | 1.00E+00  | WS    |
| <i>S28865_10186</i> | CHG | 0.214 | 0.996 | 1.000 | 1.000 | 4.85E-73  | 1.00E+00  | 1.13E-09  | C8    |
| <i>S28865_10190</i> | CHH | 0.214 | 1.000 | 0.500 | 0.333 | 2.80E-01  | 3.56E-02  | 2.91E-05  | C1    |
| <i>S29620_1172</i>  | CG  | 0.500 | 0.000 | 1.000 | 0.500 | 1.00E+00  | 1.07E-06  | 1.00E+00  | WS    |
| <i>S29620_1182</i>  | CHG | 0.000 | 0.000 | 0.000 | 0.500 | 1.00E+00  | 1.85E-07  | 1.00E+00  | WS    |
| <i>S29620_1183</i>  | CHH | 0.500 | 0.500 | 0.000 | 0.000 | 1.00E+00  | 5.04E-15  | 1.00E+00  | WS    |
| <i>S29620_1206</i>  | CHH | 1.000 | 0.500 | 1.000 | 0.000 | 1.00E+00  | 7.47E-18  | 1.00E+00  | WS    |
| <i>S29620_1207</i>  | CHH | 0.500 | 0.500 | 0.000 | 0.003 | 1.00E+00  | 8.03E-14  | 1.00E+00  | WS    |
| <i>S29620_1213</i>  | CHH | 0.500 | 0.500 | 0.000 | 0.000 | 1.00E+00  | 5.04E-15  | 1.00E+00  | WS    |
| <i>S29620_1223</i>  | CHG | 0.000 | 0.000 | 0.000 | 0.500 | 1.00E+00  | 2.11E-11  | 1.00E+00  | WS    |
| <i>S29620_1225</i>  | CG  | 0.500 | 0.996 | 0.000 | 0.000 | 1.00E+00  | 6.29E-146 | 1.00E+00  | WS    |
| <i>S29620_1281</i>  | CHH | 0.500 | 0.500 | 1.000 | 1.000 | 1.00E+00  | 5.04E-15  | 1.00E+00  | WS    |
| <i>S29620_1284</i>  | CHH | 0.500 | 0.000 | 1.000 | 0.500 | 1.00E+00  | 5.04E-06  | 1.00E+00  | WS    |
| <i>S41184_3999</i>  | CG  | 1.000 | 0.990 | 0.500 | 0.001 | 1.00E+00  | 4.94E-108 | 1.00E+00  | WS    |
| <i>S41184_6323</i>  | CHG | 0.000 | 1.000 | 0.000 | 0.000 | 2.91E-04  | 5.44E-04  | 1.00E+00  | WS    |
| <i>S41184_6324</i>  | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00  | WS    |
| <i>S41184_6329</i>  | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00  | WS    |
| <i>S41184_6334</i>  | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00  | WS    |
| <i>S41184_6337</i>  | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00  | WS    |
| <i>S41184_6339</i>  | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00  | WS    |
| <i>S41184_6347</i>  | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00  | WS    |
| <i>S41184_6351</i>  | CHH | 1.000 | 0.000 | 1.000 | 1.000 | 9.44E-04  | 1.77E-03  | 1.00E+00  | WS    |

|                    |     |       |       |       |       |           |           |          |       |
|--------------------|-----|-------|-------|-------|-------|-----------|-----------|----------|-------|
| <i>S41184_6364</i> | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00 | WS    |
| <i>S41184_6365</i> | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 9.44E-04  | 1.77E-03  | 1.00E+00 | WS    |
| <i>S44030_4857</i> | CHH | 0.012 | 0.617 | 0.000 | 0.000 | 2.87E-71  | 2.12E-74  | 1.32E-04 | C1    |
| <i>S44030_4865</i> | CG  | 0.006 | 0.000 | 0.500 | 1.000 | 1.00E+00  | 2.55E-232 | 3.98E-20 | C3    |
| <i>S44030_4868</i> | CHG | 0.000 | 0.621 | 0.000 | 0.000 | 1.04E-91  | 9.99E-76  | 3.88E-07 | C1    |
| <i>S44030_4873</i> | CG  | 0.000 | 0.000 | 0.000 | 1.000 | 1.00E+00  | 1.85E-232 | 3.03E-20 | C3    |
| <i>S44030_4876</i> | CHG | 0.000 | 0.000 | 0.000 | 1.000 | 1.00E+00  | 3.79E-232 | 4.57E-20 | C3    |
| <i>S44030_4879</i> | CHH | 0.000 | 0.621 | 0.000 | 0.004 | 3.38E-91  | 9.22E-67  | 1.33E-05 | C1    |
| <i>S44030_4888</i> | CHH | 0.003 | 0.621 | 0.000 | 1.000 | 8.85E-83  | 7.41E-38  | 1.00E+00 | 5-Aza |
| <i>S44030_4898</i> | CHH | 0.000 | 0.623 | 0.000 | 0.005 | 1.09E-91  | 5.84E-67  | 1.21E-05 | C1    |
| <i>S44030_4900</i> | CHH | 0.000 | 0.621 | 0.000 | 0.000 | 3.38E-91  | 3.24E-75  | 1.26E-06 | C1    |
| <i>S44030_4907</i> | CG  | 1.000 | 0.000 | 0.500 | 1.000 | 2.69E-279 | 6.65E-232 | 4.06E-90 | C5    |
| <i>S44030_4910</i> | CHH | 0.000 | 0.621 | 0.000 | 0.000 | 3.38E-91  | 3.24E-75  | 1.26E-06 | C1    |
| <i>S44030_4915</i> | CG  | 1.000 | 0.000 | 0.500 | 1.000 | 2.69E-279 | 6.65E-232 | 4.06E-90 | C5    |
| <i>S44030_4918</i> | CHG | 0.000 | 0.000 | 0.500 | 1.000 | 1.00E+00  | 2.74E-232 | 5.28E-18 | C3    |
| <i>S48520_2021</i> | CHG | 0.500 | 1.000 | 0.000 | 0.000 | 1.39E-03  | 1.18E-11  | 1.00E+00 | WS    |
| <i>S48520_2022</i> | CHH | 0.000 | 1.000 | 0.000 | 0.001 | 7.66E-40  | 6.96E-45  | 1.59E-32 | C1    |
| <i>S48520_2032</i> | CG  | 1.000 | 0.000 | 1.000 | 0.000 | 1.57E-40  | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S48520_2042</i> | CG  | 1.000 | 0.000 | 1.000 | 0.497 | 4.40E-03  | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S48520_2055</i> | CG  | 1.000 | 0.963 | 0.996 | 0.002 | 1.00E+00  | 7.11E-34  | 1.10E-23 | C7    |
| <i>S48520_2088</i> | CG  | 1.000 | 0.000 | 1.000 | 1.000 | 1.57E-40  | 2.38E-47  | 1.51E-34 | C5    |
| <i>S48520_2122</i> | CG  | 1.000 | 1.000 | 1.000 | 0.242 | 1.00E+00  | 2.58E-07  | 1.33E-01 | WS    |
| <i>S48520_2122</i> | CG  | 1.000 | 1.000 | 1.000 | 0.242 | 1.00E+00  | 2.58E-07  | 1.33E-01 | WS    |
| <i>S48520_2125</i> | CHH | 0.000 | 0.964 | 0.000 | 0.002 | 5.83E-08  | 1.26E-34  | 1.81E-06 | C1    |
| <i>S48520_2125</i> | CHH | 0.000 | 0.964 | 0.000 | 0.002 | 5.83E-08  | 1.26E-34  | 1.81E-06 | C1    |
| <i>S48520_2137</i> | CHH | 0.000 | 1.000 | 0.004 | 0.759 | 3.88E-07  | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S48520_2137</i> | CHH | 0.000 | 1.000 | 0.004 | 0.759 | 3.88E-07  | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S53645_5199</i> | CG  | 1.000 | 0.667 | 0.989 | 0.000 | 1.00E+00  | 5.38E-47  | 1.00E+00 | WS    |
| <i>S53645_5218</i> | CHG | 1.000 | 0.333 | 0.000 | 0.000 | 1.00E+00  | 3.39E-46  | 1.00E+00 | WS    |
| <i>S53645_5226</i> | CHH | 1.000 | 0.667 | 1.000 | 0.000 | 1.00E+00  | 2.62E-46  | 1.00E+00 | WS    |
| <i>S53645_5228</i> | CHH | 1.000 | 0.333 | 0.000 | 0.000 | 1.00E+00  | 1.10E-45  | 1.00E+00 | WS    |

|                     |     |       |       |       |       |          |          |          |       |
|---------------------|-----|-------|-------|-------|-------|----------|----------|----------|-------|
| <i>S53645_5241</i>  | CHH | 1.000 | 0.667 | 1.000 | 0.000 | 1.00E+00 | 2.62E-46 | 1.00E+00 | WS    |
| <i>S53645_5252</i>  | CHG | 1.000 | 0.667 | 1.000 | 0.000 | 1.00E+00 | 9.26E-46 | 1.00E+00 | WS    |
| <i>S53645_5261</i>  | CHH | 1.000 | 0.667 | 1.000 | 0.000 | 1.00E+00 | 2.62E-46 | 1.00E+00 | WS    |
| <i>S53645_5267</i>  | CHG | 1.000 | 0.667 | 0.996 | 0.000 | 1.00E+00 | 8.07E-47 | 1.00E+00 | WS    |
| <i>S53645_5281</i>  | CHG | 1.000 | 0.667 | 1.000 | 0.000 | 1.00E+00 | 9.26E-46 | 1.00E+00 | WS    |
| <i>S53645_5285</i>  | CHG | 1.000 | 0.333 | 0.000 | 0.000 | 1.00E+00 | 4.40E-46 | 1.00E+00 | WS    |
| <i>S61275_25038</i> | CHH | 1.000 | 1.000 | 1.000 | 0.000 | 1.00E+00 | 3.36E-10 | 1.00E+00 | WS    |
| <i>S61275_25075</i> | CHH | 0.000 | 0.000 | 0.000 | 0.500 | 1.00E+00 | 1.38E-10 | 1.00E+00 | WS    |
| <i>S61275_25123</i> | CG  | 0.750 | 1.000 | 1.000 | 0.000 | 1.00E+00 | 2.53E-11 | 1.68E-01 | WS    |
| <i>S61275_25131</i> | CHH | 0.750 | 0.000 | 1.000 | 0.000 | 3.42E-23 | 1.00E+00 | 1.00E+00 | 5-Aza |
| <i>S61275_25135</i> | CHH | 0.500 | 0.250 | 1.000 | 0.000 | 1.00E+00 | 1.00E+00 | 2.21E-03 | C2    |
| <i>S61275_25149</i> | CHH | 0.000 | 0.250 | 1.000 | 0.500 | 1.00E+00 | 1.00E+00 | 3.42E-03 | C2    |
| <i>S61275_25170</i> | CHH | 0.000 | 0.500 | 1.000 | 0.500 | 2.19E-12 | 1.48E-04 | 1.78E-12 | C8    |
| <i>S61275_25171</i> | CHH | 0.000 | 0.500 | 1.000 | 0.000 | 2.19E-12 | 1.06E-05 | 2.17E-13 | C2    |
| <i>S61275_25176</i> | CHH | 0.000 | 0.000 | 1.000 | 0.500 | 1.00E+00 | 3.68E-09 | 1.00E+00 | WS    |
| <i>S61275_25183</i> | CHG | 0.000 | 0.500 | 1.000 | 0.500 | 6.75E-13 | 1.00E+00 | 1.00E+00 | 5-Aza |
| <i>S61275_25194</i> | CHH | 0.000 | 0.500 | 1.000 | 0.500 | 1.00E+00 | 7.64E-05 | 1.00E+00 | WS    |
| <i>S61275_25199</i> | CHH | 0.500 | 1.000 | 1.000 | 0.000 | 1.00E+00 | 8.03E-10 | 1.00E+00 | WS    |
| <i>S61275_25218</i> | CHH | 0.000 | 0.000 | 0.000 | 0.500 | 1.00E+00 | 3.68E-09 | 1.00E+00 | WS    |
| <i>S61275_25225</i> | CHH | 0.000 | 0.500 | 1.000 | 0.500 | 1.00E+00 | 7.64E-05 | 1.00E+00 | WS    |
| <i>S62651_1962</i>  | CHH | 0.000 | 1.000 | 1.000 | 0.000 | 2.11E-17 | 2.31E-15 | 3.87E-02 | C8    |
| <i>S62651_2001</i>  | CHH | 0.999 | 0.000 | 0.000 | 0.500 | 1.98E-16 | 1.00E+00 | 1.00E+00 | 5-Aza |
| <i>S62651_2057</i>  | CHH | 1.000 | 0.000 | 0.000 | 0.578 | 4.70E-14 | 1.00E+00 | 1.68E-20 | C4    |
| <i>S62651_2070</i>  | CHH | 1.000 | 0.000 | 0.000 | 0.578 | 4.70E-14 | 1.00E+00 | 1.68E-20 | C4    |
| <i>S62651_2072</i>  | CHH | 1.000 | 0.000 | 1.000 | 0.578 | 4.70E-14 | 1.00E+00 | 1.00E+00 | 5-Aza |
| <i>S62651_2073</i>  | CHH | 0.993 | 0.000 | 1.000 | 0.583 | 1.26E-13 | 1.00E+00 | 1.00E+00 | 5-Aza |
| <i>S62651_2097</i>  | CG  | 1.000 | 1.000 | 1.000 | 0.500 | 1.00E+00 | 8.68E-06 | 1.93E-04 | C7    |
| <i>S62651_2106</i>  | CHH | 1.000 | 0.000 | 0.000 | 0.500 | 6.54E-11 | 1.00E+00 | 1.73E-08 | C4    |
| <i>S62651_2107</i>  | CHH | 1.000 | 0.000 | 0.000 | 0.500 | 6.54E-11 | 1.00E+00 | 1.70E-08 | C4    |
| <i>S62651_2128</i>  | CG  | 1.000 | 1.000 | 0.500 | 0.500 | 1.00E+00 | 8.49E-28 | 1.00E+00 | WS    |
| <i>S63591_13851</i> | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 3.61E-51 | 1.00E+00 | 2.60E-17 | C4    |

|                     |     |       |       |       |       |           |           |          |       |
|---------------------|-----|-------|-------|-------|-------|-----------|-----------|----------|-------|
| <i>S63591_13855</i> | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 3.61E-51  | 1.00E+00  | 2.60E-17 | C4    |
| <i>S63591_13858</i> | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 3.61E-51  | 1.00E+00  | 2.60E-17 | C4    |
| <i>S63591_13860</i> | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 3.61E-51  | 1.00E+00  | 2.60E-17 | C4    |
| <i>S63591_13869</i> | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 3.82E-51  | 1.00E+00  | 2.63E-17 | C4    |
| <i>S63591_13932</i> | CHH | 1.000 | 0.569 | 0.000 | 0.500 | 7.77E-01  | 1.00E+00  | 1.89E-02 | C6    |
| <i>S63591_13934</i> | CHH | 1.000 | 0.567 | 0.000 | 0.502 | 2.71E-01  | 1.00E+00  | 4.18E-03 | C6    |
| <i>S63591_13935</i> | CHH | 1.000 | 0.569 | 0.000 | 0.500 | 7.77E-01  | 1.00E+00  | 1.89E-02 | C6    |
| <i>S63591_13955</i> | CHG | 0.003 | 0.430 | 1.000 | 0.957 | 7.49E-113 | 3.89E-03  | 9.15E-30 | C8    |
| <i>S63591_14014</i> | CG  | 0.997 | 0.569 | 0.000 | 0.500 | 3.41E-01  | 1.00E+00  | 7.67E-03 | C6    |
| <i>S63591_15187</i> | CHH | 0.000 | 0.552 | 0.000 | 2.000 | 1.51E-53  | 1.33E-65  | 1.14E-24 | C1    |
| <i>S63591_15228</i> | CG  | 0.000 | 0.448 | 0.000 | 0.000 | 1.20E-40  | 1.26E-52  | 8.96E-20 | C1    |
| <i>S63962_3472</i>  | CG  | 1.000 | 0.000 | 0.000 | 1.000 | 6.19E-50  | 1.25E-48  | 2.14E-03 | C6    |
| <i>S63962_3481</i>  | CG  | 1.000 | 0.000 | 1.000 | 1.000 | 6.43E-50  | 1.25E-48  | 1.00E+00 | 5-Aza |
| <i>S63962_3484</i>  | CG  | 1.000 | 0.000 | 1.000 | 1.000 | 6.19E-50  | 1.25E-48  | 1.00E+00 | 5-Aza |
| <i>S63962_3495</i>  | CG  | 1.000 | 0.000 | 1.000 | 1.000 | 6.19E-50  | 1.25E-48  | 1.00E+00 | 5-Aza |
| <i>S63962_3498</i>  | CG  | 1.000 | 0.000 | 1.000 | 1.000 | 6.19E-50  | 1.25E-48  | 1.00E+00 | 5-Aza |
| <i>S63962_3516</i>  | CG  | 0.997 | 0.000 | 1.000 | 1.000 | 2.90E-48  | 1.31E-48  | 1.00E+00 | 5-Aza |
| <i>S63962_3527</i>  | CG  | 0.999 | 0.000 | 1.000 | 1.000 | 1.04E-47  | 1.25E-48  | 1.00E+00 | 5-Aza |
| <i>S63962_3536</i>  | CG  | 0.994 | 0.032 | 1.000 | 0.000 | 2.24E-36  | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S63962_3549</i>  | CG  | 0.997 | 0.000 | 1.000 | 1.000 | 2.90E-48  | 1.25E-48  | 1.00E+00 | 5-Aza |
| <i>S63962_3556</i>  | CHG | 1.000 | 0.000 | 1.000 | 1.000 | 9.28E-50  | 1.87E-48  | 1.00E+00 | 5-Aza |
| <i>S64405_1933</i>  | CHH | 0.000 | 0.000 | 0.000 | 0.987 | 1.00E+00  | 1.04E-151 | 2.03E-77 | C3    |
| <i>S64405_1936</i>  | CG  | 0.929 | 1.000 | 0.000 | 0.921 | 1.00E+00  | 3.35E-02  | 5.91E-38 | C6    |
| <i>S64405_1942</i>  | CHG | 0.013 | 1.000 | 0.000 | 0.000 | 2.10E-119 | 7.87E-175 | 8.92E-78 | C1    |
| <i>S64405_1945</i>  | CG  | 0.987 | 1.000 | 0.000 | 0.993 | 1.00E+00  | 1.00E+00  | 1.72E-71 | C6    |
| <i>S64405_1952</i>  | CG  | 0.987 | 1.000 | 0.000 | 0.997 | 1.00E+00  | 1.00E+00  | 2.49E-74 | C6    |
| <i>S64405_1954</i>  | CHG | 0.013 | 1.000 | 0.000 | 0.003 | 2.10E-119 | 4.89E-165 | 4.47E-73 | C1    |
| <i>S64405_1959</i>  | CHG | 0.013 | 0.994 | 0.000 | 0.003 | 9.16E-110 | 1.27E-152 | 5.26E-67 | C1    |
| <i>S64405_1970</i>  | CG  | 0.994 | 0.000 | 0.000 | 1.000 | 3.88E-125 | 5.29E-175 | 0.00E+00 | C6    |
| <i>S64405_1976</i>  | CG  | 1.000 | 0.994 | 0.001 | 1.000 | 1.00E+00  | 1.00E+00  | 1.81E-92 | C6    |
| <i>S64405_2002</i>  | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 6.57E-135 | 1.71E-174 | 7.32E-88 | C1    |



|                    |     |       |       |       |       |          |           |          |       |
|--------------------|-----|-------|-------|-------|-------|----------|-----------|----------|-------|
| <i>S64428_4014</i> | CG  | 0.995 | 0.000 | 0.992 | 0.000 | 1.60E-22 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S64428_4015</i> | CHG | 1.000 | 0.000 | 0.992 | 0.000 | 3.09E-24 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S64428_4020</i> | CG  | 1.000 | 0.000 | 1.000 | 0.995 | 2.05E-24 | 2.43E-23  | 4.94E-20 | C5    |
| <i>S64428_4025</i> | CHH | 0.566 | 1.000 | 0.991 | 0.000 | 1.67E-01 | 7.04E-25  | 1.25E-43 | C7    |
| <i>S64428_4031</i> | CG  | 0.437 | 1.000 | 1.000 | 0.997 | 1.53E-04 | 1.00E+00  | 2.46E-04 | C8    |
| <i>S64428_4058</i> | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 1.00E+00 | 3.91E-23  | 1.00E+00 | WS    |
| <i>S64428_4073</i> | CHG | 0.000 | 1.000 | 1.000 | 0.000 | 1.57E-21 | 2.17E-25  | 2.47E-90 | C8    |
| <i>S64428_4077</i> | CHG | 1.000 | 0.000 | 1.000 | 0.000 | 1.57E-21 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S64428_4081</i> | CHH | 0.000 | 1.000 | 0.333 | 0.000 | 5.10E-21 | 6.98E-25  | 1.84E-19 | C1    |
| <i>S64428_4086</i> | CG  | 0.012 | 1.000 | 1.000 | 1.000 | 4.52E-19 | 1.00E+00  | 7.44E-17 | C8    |
| <i>S64428_4087</i> | CHG | 1.000 | 0.000 | 0.488 | 0.000 | 1.57E-21 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S64428_4090</i> | CHG | 0.000 | 0.000 | 0.488 | 0.000 | 1.00E+00 | 1.00E+00  | 3.34E-18 | C2    |
| <i>S64428_4094</i> | CHH | 0.000 | 1.000 | 0.000 | 0.000 | 5.10E-21 | 6.98E-25  | 8.74E-19 | C1    |
| <i>S64428_4105</i> | CHG | 1.000 | 0.000 | 0.012 | 0.997 | 1.57E-21 | 6.09E-24  | 1.28E-79 | C6    |
| <i>S64428_4108</i> | CHG | 0.000 | 1.000 | 0.988 | 1.000 | 1.57E-21 | 1.00E+00  | 3.99E-15 | C8    |
| <i>S64428_4120</i> | CHH | 0.000 | 1.000 | 0.000 | 1.000 | 5.10E-21 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S6490_14847</i> | CG  | 0.001 | 0.000 | 0.243 | 0.000 | 1.00E+00 | 1.00E+00  | 2.36E-23 | C2    |
| <i>S6490_14896</i> | CHH | 0.000 | 0.000 | 0.501 | 0.500 | 1.00E+00 | 1.36E-07  | 1.00E+00 | NA    |
| <i>S6490_14904</i> | CHH | 0.001 | 0.003 | 0.742 | 0.500 | 1.00E+00 | 2.51E-84  | 3.63E-09 | C2    |
| <i>S6490_14905</i> | CHH | 0.001 | 0.000 | 0.742 | 0.500 | 1.00E+00 | 2.01E-89  | 9.25E-11 | C2    |
| <i>S6490_14910</i> | CHH | 0.001 | 0.000 | 0.485 | 0.500 | 1.00E+00 | 5.10E-122 | 1.37E-20 | C2    |
| <i>S6490_14914</i> | CHG | 0.001 | 0.000 | 0.482 | 0.000 | 1.00E+00 | 1.00E+00  | 8.86E-16 | C2    |
| <i>S6490_14923</i> | CHH | 0.001 | 0.000 | 0.482 | 0.500 | 1.00E+00 | 4.15E-122 | 9.31E-21 | C2    |
| <i>S6490_14925</i> | CHH | 0.001 | 0.000 | 0.490 | 0.000 | 1.00E+00 | 1.00E+00  | 1.04E-15 | C2    |
| <i>S6490_14929</i> | CG  | 0.001 | 0.000 | 0.485 | 0.000 | 1.00E+00 | 1.00E+00  | 4.29E-16 | C2    |
| <i>S6490_14931</i> | CG  | 0.004 | 0.000 | 0.485 | 0.000 | 1.00E+00 | 1.00E+00  | 3.45E-14 | C2    |
| <i>S6490_14948</i> | CHH | 0.001 | 0.003 | 1.000 | 1.000 | 1.00E+00 | 5.50E-117 | 1.00E+00 | WS    |
| <i>S6490_14950</i> | CHH | 0.001 | 0.000 | 0.485 | 0.500 | 1.00E+00 | 4.15E-122 | 1.30E-20 | C2    |
| <i>S6490_14951</i> | CHH | 0.001 | 0.000 | 0.485 | 0.500 | 1.00E+00 | 4.15E-122 | 1.30E-20 | C2    |
| <i>S66538_3446</i> | CG  | 1.000 | 0.214 | 1.000 | 1.000 | 2.85E-66 | 5.02E-129 | 2.82E-03 | C5    |
| <i>S66538_3450</i> | CHH | 1.000 | 0.214 | 1.000 | 1.000 | 1.38E-65 | 2.42E-128 | 1.40E-02 | C5    |

|                    |     |       |       |       |       |           |           |           |       |
|--------------------|-----|-------|-------|-------|-------|-----------|-----------|-----------|-------|
| <i>S66538_3452</i> | CHH | 1.000 | 0.214 | 1.000 | 1.000 | 1.38E-65  | 2.42E-128 | 1.40E-02  | C5    |
| <i>S66538_3454</i> | CHH | 0.362 | 0.000 | 1.000 | 1.000 | 1.72E-08  | 7.66E-135 | 1.00E+00  | WS    |
| <i>S66538_3455</i> | CHH | 1.000 | 0.214 | 1.000 | 0.000 | 8.21E-65  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S66538_3463</i> | CHH | 0.627 | 0.214 | 1.000 | 1.000 | 1.46E-19  | 2.42E-128 | 1.00E+00  | WS    |
| <i>S66538_3466</i> | CHH | 1.000 | 0.214 | 0.000 | 1.000 | 1.38E-65  | 2.42E-128 | 1.28E-15  | C6    |
| <i>S66538_3472</i> | CG  | 0.627 | 0.500 | 1.000 | 0.995 | 3.08E-20  | 1.70E-118 | 2.33E-12  | C5    |
| <i>S66538_3474</i> | CHH | 0.627 | 0.000 | 1.000 | 1.000 | 1.78E-21  | 6.48E-133 | 4.74E-15  | C5    |
| <i>S66538_3483</i> | CHH | 0.000 | 0.000 | 0.500 | 0.000 | 1.00E+00  | 1.00E+00  | 3.63E-51  | C2    |
| <i>S66538_3492</i> | CHH | 0.627 | 0.000 | 0.000 | 1.000 | 1.78E-21  | 1.15E-110 | 4.55E-126 | C3    |
| <i>S66538_3494</i> | CHH | 0.627 | 0.000 | 0.000 | 1.000 | 1.78E-21  | 1.15E-110 | 5.42E-126 | C3    |
| <i>S66538_3503</i> | CHH | 0.627 | 0.000 | 0.000 | 0.000 | 1.78E-21  | 1.00E+00  | 1.44E-14  | C4    |
| <i>S66538_3648</i> | CHH | 0.000 | 0.500 | 0.000 | 0.000 | 6.49E-09  | 1.34E-12  | 6.09E-04  | C1    |
| <i>S6731_11973</i> | CHH | 0.333 | 0.024 | 0.999 | 0.333 | 1.00E+00  | 1.00E+00  | 1.43E-140 | C2    |
| <i>S6731_11985</i> | CHH | 0.333 | 0.024 | 1.000 | 0.667 | 1.00E+00  | 6.67E-192 | 1.00E+00  | WS    |
| <i>S6731_12004</i> | CHH | 0.333 | 0.524 | 0.997 | 0.333 | 1.00E+00  | 1.00E+00  | 4.73E-09  | C8    |
| <i>S6731_12012</i> | CHH | 0.333 | 0.025 | 1.000 | 0.333 | 1.00E+00  | 1.00E+00  | 5.55E-144 | C2    |
| <i>S6731_12019</i> | CHG | 0.333 | 0.264 | 1.000 | 0.667 | 1.00E+00  | 1.21E-09  | 1.00E+00  | WS    |
| <i>S6731_12036</i> | CHG | 0.500 | 0.000 | 0.995 | 0.667 | 1.00E+00  | 3.61E-200 | 1.00E+00  | WS    |
| <i>S6731_12077</i> | CHH | 0.000 | 0.000 | 1.000 | 0.500 | 1.00E+00  | 2.66E-188 | 1.00E+00  | WS    |
| <i>S6731_12080</i> | CHH | 0.000 | 0.000 | 1.000 | 0.500 | 1.00E+00  | 2.66E-188 | 1.00E+00  | WS    |
| <i>S6731_12106</i> | CHH | 0.000 | 0.000 | 1.000 | 0.002 | 1.00E+00  | 1.00E+00  | 5.56E-84  | C2    |
| <i>S6731_12107</i> | CHH | 0.000 | 4.000 | 0.997 | 0.000 | 1.00E+00  | 1.00E+00  | 1.12E-90  | C2    |
| <i>S6731_12108</i> | CHH | 0.000 | 0.000 | 1.000 | 0.000 | 1.00E+00  | 1.00E+00  | 5.51E-89  | C2    |
| <i>S6731_12123</i> | CG  | 0.500 | 0.957 | 0.997 | 0.500 | 8.58E-139 | 1.92E-185 | 0.00E+00  | C8    |
| <i>S6731_12129</i> | CHH | 0.003 | 0.534 | 1.000 | 0.000 | 5.09E-40  | 8.46E-65  | 5.83E-222 | C2    |
| <i>S6731_12132</i> | CHH | 0.000 | 0.488 | 0.000 | 0.000 | 1.47E-41  | 3.91E-57  | 9.99E-21  | C1    |
| <i>S6731_12133</i> | CHH | 0.000 | 0.483 | 0.000 | 0.000 | 3.81E-41  | 1.29E-56  | 1.75E-20  | C1    |
| <i>S6731_12134</i> | CHH | 0.000 | 0.483 | 0.000 | 0.000 | 6.02E-41  | 1.74E-56  | 2.17E-20  | C1    |
| <i>S6731_12146</i> | CHH | 0.000 | 0.486 | 0.000 | 0.000 | 2.15E-41  | 8.13E-57  | 1.35E-20  | C1    |
| <i>S6731_12148</i> | CHH | 0.000 | 0.474 | 0.000 | 0.000 | 5.21E-40  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S71193_2245</i> | CHH | 0.000 | 1.000 | 0.333 | 0.667 | 2.11E-13  | 3.68E-35  | 1.32E-23  | C8    |

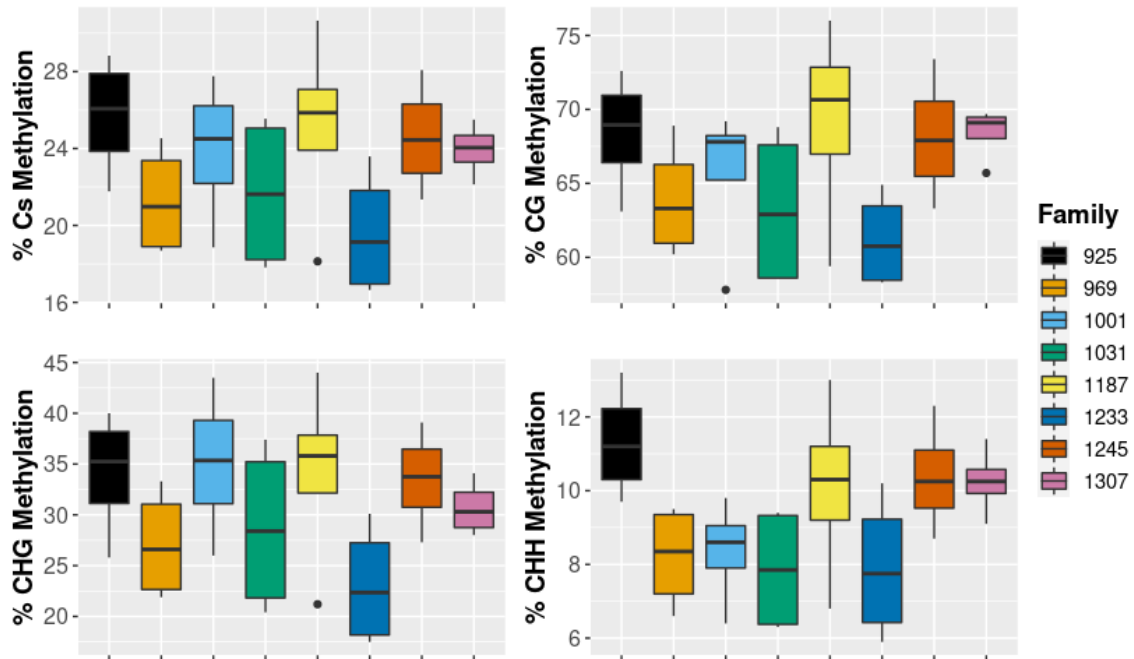
|                    |     |       |       |        |       |          |           |          |       |
|--------------------|-----|-------|-------|--------|-------|----------|-----------|----------|-------|
| <i>S71193_2248</i> | CG  | 0.267 | 1.000 | 1.000  | 1.000 | 6.92E-08 | 1.00E+00  | 1.03E-01 | 5-Aza |
| <i>S71193_2257</i> | CHH | 0.000 | 0.500 | 0.000  | 0.333 | 6.25E-19 | 7.40E-99  | 7.40E-10 | C1    |
| <i>S71193_2263</i> | CHH | 0.000 | 0.500 | 0.000  | 0.333 | 6.25E-19 | 7.40E-99  | 7.40E-10 | C1    |
| <i>S71193_2268</i> | CHG | 0.000 | 1.000 | 0.500  | 0.667 | 1.20E-19 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S71193_2271</i> | CHH | 0.733 | 1.000 | 0.038  | 0.333 | 1.00E+00 | 1.37E-102 | 1.27E-01 | WS    |
| <i>S71193_2276</i> | CHH | 0.267 | 0.500 | 25.000 | 0.333 | 1.30E-06 | 7.40E-99  | 4.73E-10 | C1    |
| <i>S71193_2286</i> | CHH | 0.733 | 1.000 | 25.000 | 0.333 | 1.00E+00 | 6.77E-102 | 1.29E-01 | WS    |
| <i>S71193_2296</i> | CHH | 0.267 | 0.500 | 0.358  | 0.333 | 1.00E+00 | 3.11E-16  | 1.54E-05 | C1    |
| <i>S71193_2299</i> | CHH | 0.733 | 0.500 | 1.000  | 0.667 | 1.30E-06 | 7.40E-99  | 5.36E-05 | C5    |
| <i>S71193_2306</i> | CG  | 1.000 | 0.000 | 1.000  | 0.665 | 1.60E-20 | 1.08E-94  | 1.88E-15 | C5    |
| <i>S71193_2308</i> | CG  | 1.000 | 1.000 | 0.667  | 1.000 | 1.00E+00 | 1.00E+00  | 7.61E-16 | C6    |
| <i>S71193_2311</i> | CHG | 0.000 | 0.000 | 0.667  | 0.667 | 1.00E+00 | 4.11E-102 | 1.00E+00 | WS    |
| <i>S71193_2330</i> | CHH | 1.000 | 1.000 | 0.642  | 0.667 | 1.00E+00 | 2.32E-101 | 9.59E-12 | C7    |
| <i>S71193_2342</i> | CHH | 0.267 | 1.000 | 0.463  | 0.500 | 2.86E-07 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S71193_2357</i> | CHH | 0.000 | 0.500 | 0.465  | 0.500 | 1.87E-02 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S71479_2341</i> | CG  | 0.667 | 0.000 | 0.000  | 0.000 | 2.26E-20 | 1.00E+00  | 8.75E-15 | C4    |
| <i>S71479_2411</i> | CHH | 0.000 | 1.000 | 0.000  | 0.000 | 1.83E-35 | 2.38E-55  | 3.69E-31 | C1    |
| <i>S71479_2455</i> | CHH | 0.000 | 0.000 | 0.000  | 0.500 | 1.00E+00 | 5.59E-53  | 6.91E-33 | C3    |
| <i>S71479_2470</i> | CHH | 0.000 | 0.000 | 0.000  | 0.500 | 1.00E+00 | 5.59E-53  | 7.00E-33 | C3    |
| <i>S71479_2474</i> | CHH | 0.000 | 0.000 | 0.000  | 0.500 | 1.00E+00 | 5.59E-53  | 7.00E-33 | C3    |
| <i>S71479_2504</i> | CHH | 0.000 | 0.000 | 0.500  | 1.000 | 1.00E+00 | 2.09E-53  | 1.55E-27 | C3    |
| <i>S71479_2509</i> | CHH | 0.000 | 0.000 | 0.500  | 1.000 | 1.00E+00 | 2.39E-53  | 2.50E-26 | C3    |
| <i>S71479_2511</i> | CHH | 0.000 | 0.000 | 0.500  | 1.000 | 1.00E+00 | 2.24E-53  | 2.46E-26 | C3    |
| <i>S71479_2515</i> | CHG | 0.000 | 0.000 | 0.500  | 0.992 | 1.00E+00 | 2.61E-47  | 1.00E+00 | WS    |
| <i>S71479_2522</i> | CHH | 0.000 | 0.000 | 0.500  | 1.000 | 1.00E+00 | 2.09E-53  | 2.41E-26 | C3    |
| <i>S72001_4230</i> | CHG | 0.499 | 0.000 | 0.000  | 0.000 | 2.69E-12 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S72001_4231</i> | CHH | 0.498 | 0.000 | 0.000  | 0.000 | 2.09E-11 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S72001_4233</i> | CHH | 0.499 | 0.000 | 0.000  | 0.000 | 8.72E-12 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S72001_4235</i> | CG  | 0.500 | 0.000 | 0.000  | 0.000 | 3.59E-13 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S72001_4236</i> | CHG | 0.500 | 0.000 | 0.000  | 0.000 | 5.43E-13 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S72001_4244</i> | CHH | 0.500 | 0.000 | 0.000  | 0.000 | 1.76E-12 | 1.00E+00  | 1.00E+00 | 5-Aza |

|                    |     |       |       |       |       |           |           |           |       |
|--------------------|-----|-------|-------|-------|-------|-----------|-----------|-----------|-------|
| <i>S72001_4245</i> | CHH | 0.500 | 0.111 | 0.002 | 0.000 | 2.03E-07  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S72001_4253</i> | CHH | 0.499 | 0.000 | 0.002 | 0.000 | 8.81E-12  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S72001_4254</i> | CHH | 0.498 | 0.000 | 0.002 | 0.000 | 2.08E-11  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S72001_4367</i> | CHH | 0.999 | 0.000 | 1.000 | 1.000 | 7.55E-12  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S76299_8902</i> | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 3.05E-118 | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S76299_8946</i> | CG  | 1.000 | 0.824 | 1.000 | 1.000 | 1.76E-16  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S76299_8963</i> | CG  | 1.000 | 0.676 | 0.500 | 0.000 | 3.18E-40  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S76299_8973</i> | CHH | 0.000 | 0.322 | 0.500 | 1.000 | 3.42E-39  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S76299_8995</i> | CHH | 1.000 | 1.000 | 0.000 | 1.000 | 1.00E+00  | 1.00E+00  | 4.58E-03  | C6    |
| <i>S76299_8996</i> | CHH | 1.000 | 0.333 | 0.000 | 0.000 | 2.87E-79  | 1.00E+00  | 4.40E-29  | C4    |
| <i>S76299_9003</i> | CHH | 0.000 | 0.333 | 0.000 | 1.000 | 1.00E+00  | 3.62E-103 | 2.97E-29  | C3    |
| <i>S76299_9004</i> | CHH | 1.000 | 0.667 | 0.000 | 1.000 | 5.49E-76  | 3.12E-101 | 1.33E-129 | C6    |
| <i>S76299_9005</i> | CHH | 1.000 | 0.333 | 0.000 | 0.000 | 2.87E-79  | 1.00E+00  | 4.40E-29  | C4    |
| <i>S76299_9018</i> | CHH | 1.000 | 0.500 | 0.000 | 0.500 | 1.77E-33  | 1.94E-34  | 2.47E-52  | C6    |
| <i>S76299_9020</i> | CHH | 0.989 | 0.500 | 0.000 | 0.500 | 1.20E-29  | 2.29E-34  | 2.74E-49  | C6    |
| <i>S76299_9022</i> | CHH | 1.000 | 0.500 | 0.000 | 0.500 | 2.62E-33  | 2.58E-34  | 3.74E-52  | C6    |
| <i>S76299_9029</i> | CHH | 1.000 | 0.250 | 0.000 | 0.000 | 1.83E-127 | 1.00E+00  | 3.19E-36  | C4    |
| <i>S76299_9031</i> | CHH | 1.000 | 0.500 | 0.000 | 0.500 | 1.95E-33  | 2.18E-34  | 2.80E-52  | C6    |
| <i>S76299_9032</i> | CHH | 1.000 | 0.250 | 0.000 | 0.000 | 1.59E-127 | 1.00E+00  | 3.14E-36  | C4    |
| <i>S76299_9095</i> | CHH | 1.000 | 0.250 | 0.000 | 0.000 | 1.59E-127 | 1.00E+00  | 3.14E-36  | C4    |
| <i>S76299_9105</i> | CHG | 1.000 | 0.338 | 0.000 | 0.000 | 8.10E-03  | 1.00E+00  | 1.00E+00  | 5-Aza |
| <i>S76299_9110</i> | CHG | 1.000 | 0.500 | 0.000 | 0.497 | 1.28E-37  | 1.93E-36  | 1.03E-55  | C6    |
| <i>S76981_6017</i> | CHH | 0.000 | 0.000 | 0.333 | 0.000 | 1.00E+00  | 1.00E+00  | 7.13E-10  | C2    |
| <i>S76981_6018</i> | CHH | 0.000 | 0.000 | 0.333 | 0.000 | 1.00E+00  | 1.00E+00  | 7.11E-10  | C2    |
| <i>S76981_6034</i> | CHH | 0.000 | 0.000 | 0.333 | 0.000 | 1.00E+00  | 1.00E+00  | 7.11E-10  | C2    |
| <i>S76981_6046</i> | CHH | 0.000 | 0.486 | 0.000 | 0.000 | 2.24E-60  | 2.75E-89  | 7.25E-14  | C1    |
| <i>S76981_6047</i> | CHH | 0.000 | 0.493 | 0.333 | 0.000 | 7.76E-65  | 9.94E-96  | 3.59E-55  | C1    |
| <i>S76981_6050</i> | CHH | 0.000 | 0.487 | 0.333 | 0.000 | 8.03E-62  | 9.41E-93  | 1.51E-53  | C1    |
| <i>S76981_6053</i> | CHH | 0.000 | 0.494 | 0.000 | 0.000 | 1.42E-14  | 4.26E-85  | 1.00E+00  | WS    |
| <i>S76981_6054</i> | CHH | 0.000 | 0.500 | 0.000 | 0.000 | 4.85E-16  | 1.03E-95  | 1.00E+00  | WS    |
| <i>S76981_6057</i> | CHG | 0.000 | 0.500 | 0.000 | 0.000 | 1.49E-16  | 3.18E-96  | 1.00E+00  | WS    |

|                     |     |       |       |       |       |          |           |          |       |
|---------------------|-----|-------|-------|-------|-------|----------|-----------|----------|-------|
| <i>S76981_6063</i>  | CHH | 0.000 | 0.987 | 0.000 | 0.000 | 3.53E-68 | 7.50E-83  | 1.00E+00 | WS    |
| <i>S76981_6095</i>  | CHG | 1.000 | 0.013 | 1.000 | 1.000 | 1.09E-68 | 2.31E-83  | 1.00E+00 | WS    |
| <i>S77906_11496</i> | CHG | 1.000 | 0.829 | 1.000 | 1.000 | 2.43E-02 | 1.01E-08  | 1.00E+00 | WS    |
| <i>S77906_11502</i> | CHG | 0.000 | 0.700 | 0.298 | 0.662 | 1.78E-35 | 6.03E-25  | 1.06E-19 | C1    |
| <i>S77906_11522</i> | CHH | 0.000 | 0.842 | 0.000 | 0.592 | 1.11E-13 | 6.60E-08  | 1.00E+00 | 5-Aza |
| <i>S77906_11533</i> | CHG | 1.000 | 1.000 | 1.000 | 0.746 | 1.00E+00 | 1.15E-17  | 1.14E-03 | C7    |
| <i>S77906_11557</i> | CHH | 1.000 | 0.829 | 0.018 | 0.929 | 7.90E-02 | 1.00E+00  | 5.85E-26 | C6    |
| <i>S77906_14506</i> | CG  | 0.000 | 1.000 | 0.000 | 0.000 | 8.12E-50 | 1.22E-264 | 5.83E-42 | C1    |
| <i>S77906_14526</i> | CG  | 0.000 | 1.000 | 0.000 | 0.000 | 8.12E-50 | 1.22E-264 | 5.83E-42 | C1    |
| <i>S77906_14551</i> | CG  | 0.000 | 1.000 | 0.591 | 0.005 | 6.74E-06 | 7.35E-07  | 8.87E-15 | C1    |
| <i>S77906_14562</i> | CG  | 0.000 | 0.997 | 0.167 | 1.000 | 4.88E-47 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S77906_14593</i> | CG  | 0.000 | 1.000 | 0.002 | 0.000 | 8.12E-50 | 1.22E-264 | 2.55E-43 | C1    |
| <i>S77915_4573</i>  | CHG | 1.000 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 2.60E-46  | 1.00E+00 | WS    |
| <i>S77915_4595</i>  | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4604</i>  | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4612</i>  | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4629</i>  | CHG | 1.000 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 2.60E-46  | 1.00E+00 | WS    |
| <i>S77915_4639</i>  | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4657</i>  | CHH | 1.000 | 0.500 | 0.000 | 0.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4674</i>  | CHH | 0.036 | 1.000 | 1.000 | 1.000 | 2.22E-26 | 1.00E+00  | 1.00E+00 | 5-Aza |
| <i>S77915_4780</i>  | CG  | 1.000 | 0.500 | 0.000 | 0.000 | 1.00E+00 | 1.73E-46  | 1.00E+00 | WS    |
| <i>S77915_4782</i>  | CHH | 0.012 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4787</i>  | CHG | 1.000 | 0.000 | 0.000 | 0.000 | 5.60E-53 | 1.00E+00  | 6.14E-01 | 5-Aza |
| <i>S77915_4802</i>  | CHH | 0.012 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4803</i>  | CHH | 0.012 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4806</i>  | CHH | 0.012 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 1.02E-45  | 1.00E+00 | WS    |
| <i>S77915_4807</i>  | CHH | 0.015 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 1.12E-45  | 1.00E+00 | WS    |
| <i>S77915_4811</i>  | CHH | 0.012 | 0.500 | 1.000 | 1.000 | 1.00E+00 | 8.42E-46  | 1.00E+00 | WS    |
| <i>S77915_4817</i>  | CG  | 1.000 | 0.500 | 1.000 | 1.000 | 7.23E-51 | 1.73E-46  | 4.28E-03 | C5    |
| <i>S77915_4840</i>  | CG  | 1.000 | 0.500 | 1.000 | 1.000 | 7.23E-51 | 1.73E-46  | 4.28E-03 | C5    |
| <i>S77915_4857</i>  | CG  | 1.000 | 0.000 | 0.000 | 0.000 | 3.73E-53 | 1.00E+00  | 4.01E-01 | 5-Aza |

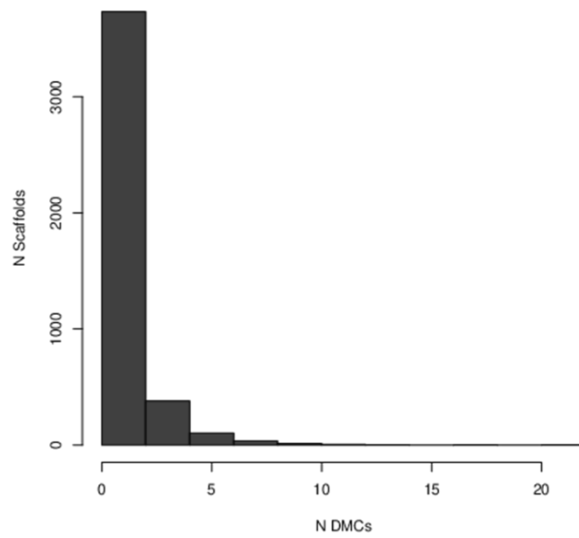
|                   |     |       |       |       |       |          |          |          |       |
|-------------------|-----|-------|-------|-------|-------|----------|----------|----------|-------|
| <i>S8686_2487</i> | CG  | 1.000 | 1.000 | 1.000 | 0.011 | 1.00E+00 | 4.55E-82 | 1.00E+00 | WS    |
| <i>S8686_2496</i> | CHH | 0.000 | 0.000 | 0.000 | 0.989 | 1.00E+00 | 2.76E-80 | 1.00E+00 | WS    |
| <i>S8686_2506</i> | CHH | 0.000 | 0.000 | 0.000 | 0.989 | 1.00E+00 | 7.75E-81 | 1.00E+00 | WS    |
| <i>S8686_2514</i> | CHH | 0.000 | 0.000 | 0.000 | 0.989 | 1.00E+00 | 2.20E-81 | 1.00E+00 | WS    |
| <i>S8686_2515</i> | CHH | 0.000 | 0.000 | 0.000 | 0.989 | 1.00E+00 | 3.64E-79 | 1.00E+00 | WS    |
| <i>S8686_2521</i> | CHH | 0.000 | 0.000 | 0.000 | 0.978 | 1.00E+00 | 6.07E-76 | 1.00E+00 | WS    |
| <i>S8686_2522</i> | CHH | 0.000 | 0.000 | 0.000 | 0.989 | 1.00E+00 | 2.20E-81 | 1.00E+00 | WS    |
| <i>S8686_2523</i> | CHH | 0.000 | 0.000 | 0.000 | 0.989 | 1.00E+00 | 1.50E-80 | 1.00E+00 | WS    |
| <i>S8686_2536</i> | CHG | 1.000 | 0.000 | 0.500 | 0.989 | 4.13E-05 | 6.79E-82 | 6.45E-05 | C5    |
| <i>S8686_2561</i> | CHH | 1.000 | 0.000 | 0.000 | 0.989 | 1.34E-04 | 2.20E-81 | 1.81E-09 | C6    |
| <i>S8686_2575</i> | CHH | 0.000 | 0.000 | 0.000 | 0.989 | 1.00E+00 | 2.20E-81 | 1.00E+00 | WS    |
| <i>S8686_2576</i> | CHG | 1.000 | 0.000 | 1.000 | 0.000 | 4.13E-05 | 1.00E+00 | 1.00E+00 | 5-Aza |
| <i>S8686_2587</i> | CG  | 0.000 | 1.000 | 0.500 | 1.000 | 2.74E-05 | 1.00E+00 | 1.00E+00 | 5-Aza |
| <i>S9768_1644</i> | CHG | 1.000 | 1.000 | 1.000 | 0.222 | 1.00E+00 | 1.05E-72 | 1.00E+00 | WS    |
| <i>S9768_1655</i> | CHG | 1.000 | 0.000 | 0.000 | 1.000 | 4.28E-40 | 2.23E-83 | 6.28E-03 | C6    |
| <i>S9768_1671</i> | CHH | 1.000 | 0.000 | 0.000 | 0.000 | 1.39E-39 | 1.00E+00 | 6.72E-24 | C4    |
| <i>S9768_1672</i> | CHH | 0.000 | 0.000 | 0.000 | 0.778 | 1.00E+00 | 3.40E-72 | 3.98E-21 | C3    |
| <i>S9768_1682</i> | CHG | 0.000 | 1.000 | 0.990 | 1.000 | 4.28E-40 | 1.00E+00 | 2.02E-20 | C8    |
| <i>S9768_1710</i> | CHH | 0.000 | 1.000 | 1.000 | 0.278 | 1.39E-39 | 2.07E-70 | 8.14E-95 | C8    |
| <i>S9768_1728</i> | CHH | 0.000 | 0.000 | 0.667 | 0.000 | 1.00E+00 | 1.00E+00 | 3.49E-21 | C2    |
| <i>S9768_1731</i> | CG  | 1.000 | 1.000 | 0.333 | 0.000 | 1.00E+00 | 1.49E-83 | 1.00E+00 | WS    |
| <i>S9768_1735</i> | CHH | 0.000 | 1.000 | 1.000 | 0.278 | 1.39E-39 | 2.07E-70 | 8.14E-95 | C8    |
| <i>S9768_1747</i> | CHH | 0.000 | 0.000 | 0.667 | 0.278 | 1.00E+00 | 1.00E+00 | 1.74E-17 | C2    |
| <i>S9768_1767</i> | CHG | 0.000 | 1.000 | 1.000 | 0.500 | 3.26E-05 | 1.07E-01 | 5.95E-10 | C8    |

9 **Fig. S1.** Effects of maternal genotype (F<sub>1</sub>-mother identity) on global methylation and  
 10 cytosines contexts. Note that each family consist in four plants, each one assigned to  
 11 one of the four levels of the 2x2 treatment combination design.  
 12



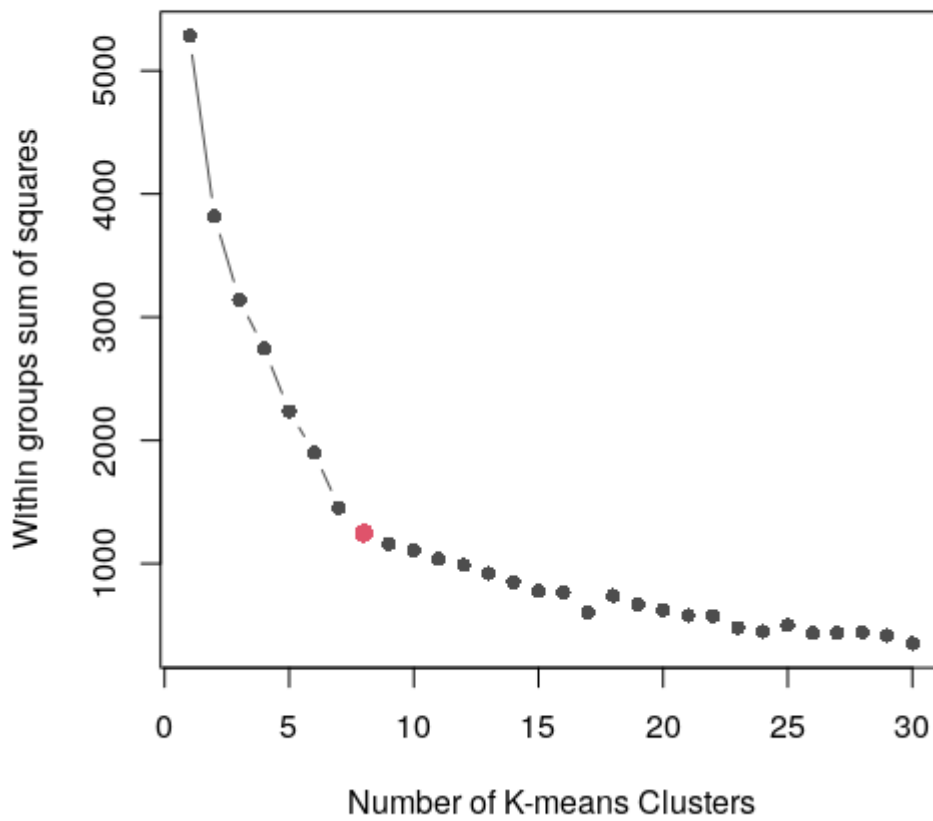
13 **Fig. S2.** Distribution of DMCs on scaffolds of the *E. cicutarium* genome. Most DMCs  
14 appeared on different scaffolds (mean DMCs per scaffold  $1.65 \pm 0.03$ ).

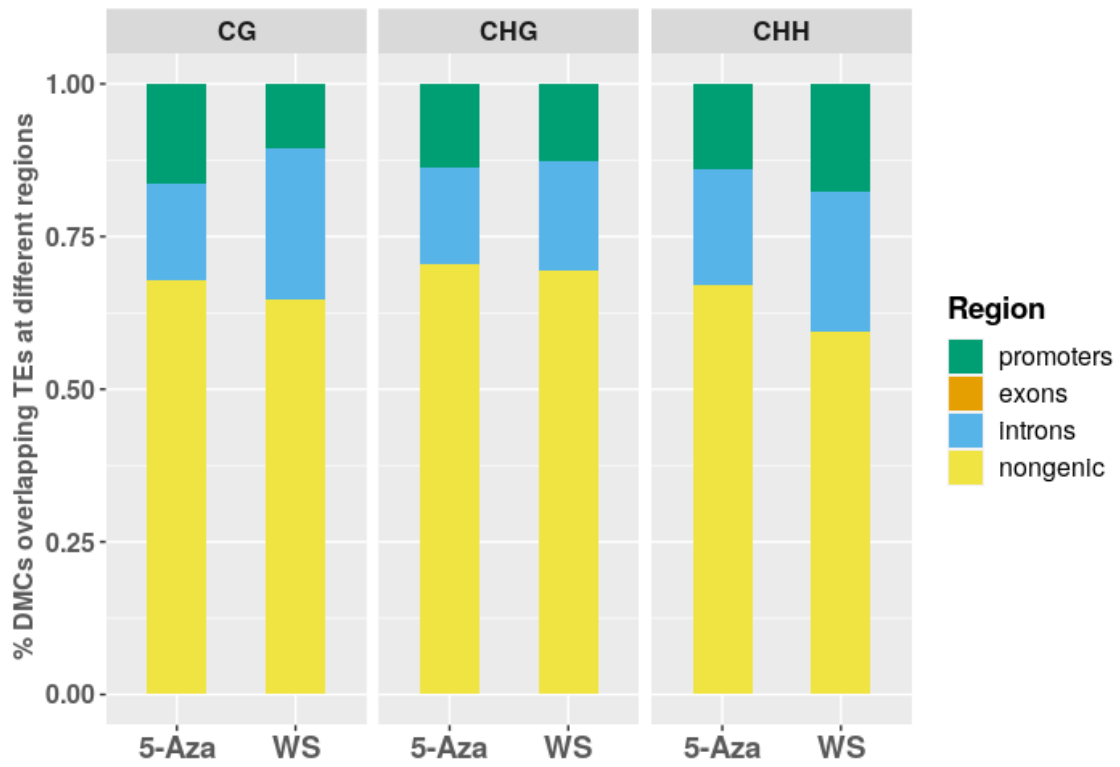
15





16 **Fig. S3.** Plot of within-groups sum of squares against number of clusters using the K-  
17 means algorithm using the average methylation level of the DMCs for each  
18 experimental group. After 8 clusters (in red), the observed difference in the within-  
19 cluster dissimilarity is despicable.



21 **Fig. S4.** Distribution of DMCs overlapping transposable elements at different regions.

22

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