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| Table 4. Most frequently altered methylated DMPs (the recurrent analysis). |
|  **Hypomethylated** DMPs in DUSP22 |
|  | MLID BWS1 | BWS1 | BWS2 | BWS3 | BWS11 | BWS19 | BWS22 | Number of patients |
| cg07332563 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg21548813 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg03395511 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg15383120 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg18110333 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg05064044 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg11235426 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg01516881 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg26668828 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |
| cg01171360 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 7 |

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| **Hypermethylated** DMPs in protocadherin gamma gene cluster located on chromosome 5 |
|  | MLID BWS1 | MLID BWS2 | MLID BWS3 | MLID BWS4 | BWS7 | BWS24 | BWS25 | Number of patients |
| cg10933186 | ○ | ○ | ○ |  | ○ |  |  | 4 |
| cg20717585 | ○ | ○ | ○ |  | ○ |  |  | 4 |
| cg16574737 | ○ | ○ | ○ |  | ○ |  |  | 4 |
| cg27079776 | ○ | ○ |  |  | ○ |  | ○ | 4 |
| cg20433262 | ○ | ○ | ○ |  | ○ |  |  | 4 |
| cg01418385 | ○ | ○ |  |  | ○ |  |  | 3 |
| cg13725516 | ○ | ○ |  |  | ○ |  |  | 3 |
| cg02580763 | ○ | ○ |  |  | ○ |  |  | 3 |
| cg13972793 | ○ | ○ |  |  | ○ |  |  | 3 |
| cg04160343 | ○ | ○ |  |  | ○ |  |  | 3 |
| cg19928377 | ○ | ○ |  | ○ |  |  | 3 |
| cg23985374 | ○ | ○ |  |  |  |  |  | 2 |
| cg07242860 | ○ |  |  |  | ○ |  |  | 2 |
| cg14472390 | ○ |  |  |  | ○ |  |  | 2 |
| cg27553119 | ○ | ○ |  |  |  |  |  | 2 |
| cg21537235 | ○ |  | ○ |  |  |  | 2 |
| cg24120669 | ○ |  |  | ○ |  |  | 2 |
| cg19689427 | ○ |  |  | ○ |  |  | 2 |
| cg16579158 | ○ |  |  | ○ |  |  | 2 |
| cg17760318 | ○ |  |  | ○ |  |  | 2 |
| cg01301252 | ○ |  |  | ○ |  |  | 2 |
| cg24996161 | ○ |  |  | ○ |  |  | 2 |
| cg00978427 | ○ |  |  | ○ |  |  | 2 |
| cg03086707 | ○ |  |  | ○ |  |  | 2 |
| cg00633552 | ○ |  |  | ○ |  |  | 2 |
| cg02022808 | ○ |  |  | ○ |  |  | 2 |
| cg24633027 | ○ |  |  | ○ |  |  | 2 |
| cg25564433 | ○ |  |  | ○ |  |  | 2 |
| cg08292467 | ○ |  | ○ |  |  |  | 2 |
| cg02742676 |  |  |  |  | ○ | ○ | 2 |

○ – statistically significant aberrant methylation