| Gene     | FDR     | Gene     | FDR     | Gene     | FDR     | Gene     | FDR     | Gene     | FDR     |
|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| H2AC4    | 2.46E-25| H2BC3    | 2.89E-16| H3C1     | 3.24E-13| H4C1     | 5.63E-33| CCNA2    | 1.38E-25|
| H2AC7    | 4.70E-20| H2BC6    | 2.04E-22| H3C4     | 1.21E-14| H4C9     | 3.51E-19| ETV7     | 2.04E-12|
| H2AC11   | 6.10E-32| H2BC9    | 1.00E-22| H3C7     | 4.98E-32| H4C11    | 1.34E-23| MMP9     | 4.34E-15|
| H2AC12   | 1.22E-24| H2BC10   | 6.79E-18| H3C8     | 2.64E-10| H4C12    | 3.72E-24|          |         |
| H2AC13   | 4.55E-39| H2BC11   | 3.32E-25| H3C10    | 2.78E-37| H4C14    | 1.20E-37|          |         |
| H2AC14   | 3.02E-34| H2BC12   | 1.47E-27| H3C11    | 7.65E-23| H4C15    | 3.72E-37|          |         |
| H2AC16   | 1.29E-33| H2BC13   | 3.94E-34| H3C12    | 3.29E-26|          |         |          |         |
| H2AC17   | 2.65E-38| H2BC14   | 3.66E-23| H3C13    | 3.34E-26|          |         |          |         |
| H2AC18   | 1.23E-34| H2BC17   | 1.51E-39| H3C14    | 1.31E-43|          |         |          |         |
| H2AC19   | 1.02E-39| H2BU1    | 3.35E-19| H3C15    | 1.31E-43|          |         |          |         |
| H2AC21   | 2.23E-25|          |         |          |         |          |         |          |         |
| H2AW     | 1.63E-17|          |         |          |         |          |         |          |         |
| H2AX     | 7.89E-33|          |         |          |         |          |         |          |         |
| H2AZ1    | 1.15E-32|          |         |          |         |          |         |          |         |