Supplementary table 4. Summary of number of epigenetic marks studied, statistical analysis used and sample size in the included studies.

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| --- | --- | --- | --- |
| Study | Marks studied | Type of analysis | Sample size |
| Gemma, 2009 | Targeted | Correlation | 88 |
| Michels, 2011 | Targeted, 3 CpGs | Linear regression | 43+221+52 |
| Hoyo, 2012 | Targeted, 7 sites | Linear regression | 133+57+37+73 |
| Herbstman, 2013 | Untargeted, global | Linear regression | 279 |
| Lesseur, 2013 | Targeted, 23 CpGs | ANOVA | 47+19+15 |
| Haghiac, 2014 | Targeted | ANOVA | 32+37+36+28 |
| Lesseur, 2014 | Targeted, 23 CpGs | Linear regression | 394+135 |
| Liu, 2014 | Targeted, 27000 CpGs | Linear regression | 130+98+80 |
| Morales, 2014 | Targeted. 1505 CpGs | Linear regression | 88 |
| Nardelli, 2014 | Untargeted | t-test | 15 |
| Nomura, 2014 | Untargeted, global | Linear regression | 50 |
| Bohlin, 2015 | 450k | Linear regression | 729 |
| Burris, 2015 | Targeted, 3 CpGs | Linear regression | 507 |
| Carreras-Badosa, 2015 | Targeted, 723 miRNAs | ANOVA | 6+6+6 |
| Ghaffari, 2015 | Targeted, 1733 miRNAs | chi square | 20+16 |
| Kawai, 2015 | 450k | Linear regression | 33 |
| Muralimanoharan, 2015 | Targeted, 1 miRNA | t-test | 36 |
| Ou, 2015 | 450k | Linear regression | 28 |
| Pan, 2015 | Targeted, 3 CpGs | Linear regression | 991 |
| Rerkasem, 2015 | Targeted | t-test | 249 |
| Sharp, 2015 | 450k | Linear regression | 974 |
| Soubry, 2015 | Targeted, 7 CpGs | Linear regression | 92 |
| Casamadrid, 2016 | Targeted | t-test | 21+20 |
| Ghaffari, 2016 | Targeted, 5639 miRNAs | chi square | 30+26 |
| Richmond, 2016 | Targeted, 3 CpGs | Linear regression | 974 |
| Simpkin, 2016 | Targeted, 353/71 CpGs | Linear regression | 973 |
| Xi, 2016 | Targeted, 3 miRNAs | Correlation, chi square | 86 |
| Badraiq, 2017 | 450k | two sample wilcoxon | 7+7 |
| Boyle, 2017 | Targeted, 1174 CpGs | ANOVA | 15+14 |
| Carreras-Badosa, 2017 | Targeted, 723 miRNAs | Linear regression | 18 |
| Enquobahrie, 2017 | Untargeted | Linear regression | 40 |
| Huang, 2017 | Targeted | Linear regression | 589 |
| Kadakia, 2017 | Targeted, 17 CpGs | Linear regression | 114 |
| Lin, 2017 | Targeted, 174211 CpGs | Linear regression | 987 |
| Mitsuya, 2017 | Untargeted, 2.1 million probes | Mann-Whitney U | 21+21 |
| Nardelli, 2017 | Untargeted | t-test | 7+13 |
| Oelsner, 2017 | 450k | Linear regression | 92 |
| Prince, 2017 | Targeted, 1 miRNA | t-test | 52 |
| Sharp, 2017 | 450k | Linear regression | 7532 |
| Sureshchandra, 2017 | Targeted | Logistic regressiom | 8+10 |
| Thakali, 2017 | Untargeted, global and targeted | t-test | 38+40 |
| Tsamou, 2017 | Targeted, 7 miRNAs | Linear regression | 215 |
| Hjort, 2018 | Targeted, 76 CpGs | Linear regression | 175 |
| Khouja, 2018 | Targeted, 96 CpGs | Linear regression | 651+114+38 |
| Mendez-Mancilla, 2018 | Targeted, 4 miRNAs | ANOVA | 41 |
| Mansell, 2019 | Targeted | Correlation, chi square | 609 |
| Martin, 2019 | 450k | Linear regression | 173+75+112 |
| Nogues, 2019 | Targeted, 79 CpG sites | Mann-Whitney | 18+12 |
| Yeung, 2019 | 850k | Linear regression | 391 |