**Table S1. Association of breastfeeding with BMI by quantile**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Quantile | P-value | | | | |
|  | **DB** | **Ever vs. never** | **DB≥6 vs. <6** | **DB≥8 vs. <8** | **DB≥12 vs. <12** |
| 0.05 | **0.008** | 0.775 | **<.0001** | **0.000** | 0.087 |
| 0.06 | 0.116 | 0.326 | 0.093 | 0.083 | **0.018** |
| 0.07 | **0.039** | 0.450 | **0.006** | **0.030** | 0.072 |
| 0.08 | **0.023** | 0.568 | **0.025** | **0.006** | **0.043** |
| 0.09 | **0.043** | 0.860 | **0.010** | **0.002** | 0.169 |
| 0.1 | 0.188 | 0.860 | 0.061 | 0.093 | 0.336 |
| 0.11 | 0.087 | 0.683 | 0.050 | **0.023** | 0.200 |
| 0.12 | **0.041** | 0.936 | **0.043** | 0.060 | 0.121 |
| 0.13 | 0.219 | 0.993 | 0.095 | **0.020** | 0.230 |
| 0.14 | 0.155 | 0.892 | 0.301 | 0.068 | 0.206 |
| 0.15 | 0.203 | 0.738 | 0.209 | **0.042** | 0.177 |
| 0.16 | 0.089 | 0.587 | 0.052 | **0.010** | 0.204 |
| 0.17 | 0.084 | 0.963 | 0.095 | 0.051 | 0.217 |
| 0.18 | 0.055 | 0.999 | 0.100 | 0.052 | 0.115 |
| 0.19 | **0.017** | 0.961 | 0.146 | **0.030** | **0.014** |
| 0.2 | **0.025** | 0.969 | **0.022** | **0.003** | **0.009** |
| 0.21 | **0.021** | 0.876 | **0.035** | **0.007** | **0.047** |
| 0.22 | **0.018** | 0.992 | 0.105 | **0.037** | **0.017** |
| 0.23 | 0.073 | 0.897 | 0.149 | **0.043** | 0.054 |
| 0.24 | 0.143 | 0.997 | 0.513 | 0.238 | 0.155 |
| 0.25 | 0.141 | 0.956 | 0.452 | 0.212 | 0.062 |
| 0.26 | 0.134 | 0.794 | 0.698 | 0.307 | 0.050 |
| 0.27 | 0.241 | 0.952 | 0.923 | 0.658 | 0.082 |
| 0.28 | 0.136 | 0.820 | 0.987 | 0.487 | **0.029** |
| 0.29 | 0.099 | 0.967 | 0.761 | 0.307 | **0.003** |
| 0.3 | 0.052 | 0.987 | 0.815 | 0.451 | **0.007** |
| 0.31 | 0.198 | 0.877 | 0.876 | 0.490 | **0.018** |
| 0.32 | 0.257 | 0.824 | 0.781 | 0.546 | **0.031** |
| 0.33 | 0.240 | 0.852 | 0.908 | 0.538 | **0.002** |
| 0.34 | 0.080 | 0.751 | 0.876 | 0.473 | **<0.0001** |
| 0.35 | 0.169 | 0.653 | 0.813 | 0.562 | **0.008** |
| 0.36 | 0.236 | 0.523 | 0.657 | 0.607 | **0.029** |
| 0.37 | 0.151 | 0.283 | 0.596 | 0.518 | **0.003** |
| 0.38 | 0.101 | 0.316 | 0.524 | 0.489 | **0.001** |
| 0.39 | 0.066 | 0.411 | 0.523 | 0.513 | **0.001** |
| 0.4 | 0.068 | 0.508 | 0.444 | 0.351 | **0.006** |
| 0.41 | 0.258 | 0.575 | 0.490 | 0.438 | **0.030** |
| 0.42 | 0.410 | 0.496 | 0.700 | 0.748 | **0.036** |
| 0.43 | 0.427 | 0.739 | 0.491 | 0.697 | 0.071 |
| 0.44 | 0.381 | 0.664 | 0.474 | 0.671 | **0.037** |
| 0.45 | 0.226 | 0.633 | 0.464 | 0.676 | **0.017** |
| 0.46 | 0.152 | 0.526 | 0.376 | 0.614 | **0.012** |
| 0.47 | 0.105 | 0.837 | 0.233 | 0.567 | **0.006** |
| 0.48 | 0.137 | 0.886 | 0.337 | 0.394 | **0.003** |
| 0.49 | 0.107 | 0.973 | 0.188 | 0.464 | **0.005** |
| 0.5 | 0.183 | 0.811 | 0.162 | 0.616 | **0.032** |
| 0.51 | 0.174 | 0.909 | 0.208 | 0.547 | **0.025** |
| 0.52 | 0.065 | 0.853 | 0.055 | 0.252 | **0.011** |
| 0.53 | **0.034** | 0.770 | **0.025** | 0.344 | **<0.0001** |
| 0.54 | **0.012** | 0.617 | **0.024** | 0.367 | **<.0001** |
| 0.55 | **0.005** | 0.519 | **0.007** | 0.216 | **0.000** |
| 0.56 | **0.033** | 0.547 | **0.036** | 0.586 | **0.002** |
| 0.57 | 0.096 | 0.818 | 0.072 | 0.499 | **0.049** |
| 0.58 | 0.206 | 0.858 | 0.268 | 0.558 | **0.029** |
| 0.59 | 0.216 | 0.743 | 0.177 | 0.796 | 0.051 |
| 0.6 | 0.232 | 0.747 | 0.219 | 0.680 | 0.052 |
| 0.61 | 0.218 | 0.698 | 0.199 | 0.575 | **0.012** |
| 0.62 | 0.126 | 0.801 | 0.155 | 0.624 | **0.028** |
| 0.63 | 0.302 | 0.954 | 0.292 | 0.446 | 0.080 |
| 0.64 | 0.297 | 0.972 | 0.308 | 0.539 | 0.092 |
| 0.65 | 0.273 | 0.728 | 0.241 | 0.330 | 0.051 |
| 0.66 | 0.312 | 0.844 | 0.260 | 0.786 | **0.040** |
| 0.67 | 0.552 | 0.349 | 0.425 | 0.703 | 0.146 |
| 0.68 | 0.468 | 0.339 | 0.375 | 0.618 | 0.217 |
| 0.69 | 0.704 | 0.399 | 0.602 | 0.842 | 0.221 |
| 0.7 | 0.993 | 0.209 | 0.913 | 0.973 | 0.443 |
| 0.71 | 0.906 | 0.228 | 0.892 | 0.781 | 0.242 |
| 0.72 | 0.720 | 0.371 | 0.813 | 0.541 | 0.303 |
| 0.73 | 1.000 | 0.207 | 1.000 | 1.000 | 1.000 |
| 0.74 | 1.000 | 0.066 | 0.862 | 0.756 | 1.000 |
| 0.75 | 0.852 | 0.192 | 0.841 | 0.715 | 0.537 |
| 0.76 | 1.000 | 0.293 | 1.000 | 1.000 | 0.947 |
| 0.77 | 0.898 | 0.580 | 0.573 | 0.493 | 0.095 |
| 0.78 | 0.836 | 0.669 | 0.841 | 0.943 | 0.101 |
| 0.79 | 0.785 | 0.258 | 0.804 | 0.863 | 0.194 |
| 0.8 | 0.914 | 0.369 | 0.533 | 0.850 | 0.224 |
| 0.81 | 0.968 | 0.455 | 0.843 | 0.765 | 0.276 |
| 0.82 | 0.812 | 0.681 | 0.949 | 0.784 | 0.275 |
| 0.83 | 0.906 | 0.661 | 0.920 | 0.844 | 0.368 |
| 0.84 | 0.941 | 0.565 | 0.945 | 0.733 | 0.425 |
| 0.85 | 0.801 | 0.486 | 0.950 | 0.659 | 0.826 |
| 0.86 | 0.665 | 0.531 | 0.831 | 0.615 | 0.925 |
| 0.87 | 0.532 | 0.173 | 0.731 | 0.533 | 0.894 |
| 0.88 | 0.439 | 0.386 | 0.976 | 0.459 | 0.869 |
| 0.89 | 0.719 | 0.297 | 0.882 | 0.802 | 0.881 |
| 0.9 | 0.559 | 0.435 | 0.934 | 0.598 | 0.595 |
| 0.91 | 0.588 | 0.758 | 0.704 | 0.511 | 0.495 |
| 0.92 | 0.813 | 0.813 | 0.463 | 0.609 | 0.659 |
| 0.93 | 0.585 | 0.556 | 0.508 | 0.531 | 0.270 |
| 0.94 | 0.647 | 0.578 | 0.421 | 0.760 | 0.969 |
| 0.95 | 0.966 | 0.329 | 0.651 | 0.862 | 0.734 |

BMI, body mass index; DB, duration of breastfeeding;

Propensity score was adjusted for in the quantile regression.

P-values in bold indicate statistical significance.