|  |  |  |  |
| --- | --- | --- | --- |
| sample | # raw reads | # reads after trimming | # aligned reads on *H.sapiens* genome |
| 71\_7\_Control | 16,212,839 | 12,551,577 | 12,361,146 |
| 72\_7\_NativeLDL | 18,459,275 | 14,329,514 | 14,155,984 |
| 73\_7\_AtherogenicLDL | 21,182,231 | 16,492,353 | 16,262,456 |
| 74\_7\_DesialylatedLDL | 17,208,522 | 13,390,601 | 13,214,422 |
| 75\_7\_AccLDL | 21,626,461 | 16,692,360 | 16,477,958 |
| 76\_7\_Larex | 22,713,208 | 17,659,498 | 17,357,708 |
| 77\_OxLDL | 22,788,808 | 18,056,556 | 17,768,173 |
| 81\_8\_Control\* | 16,512,328 | 13,487,610 | 3,643,108 |
| 82\_8\_NativeLDL | 20,490,105 | 15,809,057 | 15,574,580 |
| 83\_8\_AtherogenicLDL | 31,037,036 | 23,846,948 | 22,828,605 |
| 84\_8\_DesialyatedLDL | 22,090,141 | 17,158,315 | 16,450,787 |
| 85\_8\_AccLDL | 19,446,164 | 14,945,815 | 14,285,897 |
| 86\_Larex | 24,163,976 | 18,639,516 | 17,904,938 |
| 87\_8\_OxLDL | 27,343,532 | 20,809,534 | 20,442,170 |
| 91\_9\_Control | 23,084,072 | 17,697,264 | 17,398,608 |
| 92\_9\_NativeLDL | 33,867,889 | 26,028,128 | 25,544,365 |
| 93\_9\_AtherogenicLDL | 19,491,598 | 14,995,870 | 14,758,588 |
| 94\_9\_DesialylatedLDL\* | 2,909,764 | 2,248,630 | 2,216,912 |
| 95\_9\_AccLDL | 18,483,551 | 14,310,504 | 14,085,654 |
| 96\_9\_Larex | 20,109,877 | 15,604,625 | 15,376,816 |
| 97\_9\_OxLDL | 15,233,226 | 11,793,289 | 11,620,245 |

Table S1. Number of reads aligned on H.sapiens genome. \* - Samples 81 and 94 were excluded from the further analysis.