Table 1. Gene expression data sources available in GEO. All ages are given in months unless indicated. Compilation of the open source data available on NCBI GEO and related to the hematopoietic aging in mice (completed in September 2023). Author’s name indicates either first author or contribution author. It is also linked to the name of the source data. In bold are GSE numbers used for the analysis and generation of the updated Aging List Table (on the GitHub page at <https://github.com/LeonidBystrykh/aging_update>).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Submitting author | Year | GEO | Publication author | PMID | Type | Age young | Age old | Ages |
| Sonu | 2006 | GSE4332 | Rossi13 | 15967997 | ExpArray | 2-3 mo | 22-24 mo | 2-3, 12, 22-24 |
| Chambers | 2007 | **GSE6503** | Chambers7 | 17676974 | ExpArray | 2 | 21 | 2,6,12,21 |
|  | 2009 |  | Noda21 | 19345668 | ExpArray | 3 | 18-24 mo | 3, 18-24 |
| Norddahl | 2011 | **GSE27686** | Norddahl31 | 21549326 | ExpArray | 2.3 - 2.7 mo | 24 | 2.3-2.7, 24 |
| Bersenev | 2012 | **GSE39553** | Bersenev32 | 22812478 | ExpArray | 2 | 20 | 2, 20 mo |
| Beerman | 2013 | GSE43729 | Beerman33 | 23415915 | ExpArray | e14.5 | 25 | e14.5, 25 |
| Wahlestedt | 2013 | **GSE44923** | Wahlestedt34 | 23476050 | ExpArray |  |  | unknown |
| Passegué | 2014 | **GSE48893** | Flach14 | 25079315 | ExpArray | 1.3 - 2.7 mo | 22-30 mo | 1.3- 2.7, |
| Quere | 2014 | GSE57396 | Quere35 | 25002492 | bulkRNA | 4 | 20 | 4, 20 |
| Sun | 2014 | **GSE47817** | Sun15 | 24792119 | bulkRNA | 4 | 24 | 4.24 |
| Kowalczyk | 2015 | **GSE59114** | Kowalczyk10 | 26430063 | SC\_RNA | 2-3 mo | 22 | 2-3, 22 |
| Welle | 2016 | GSE76276 | Bennett36 | 30388136 | ExpArray | 1.8 | 18 | 1.8, 18 |
| Grover | 2016 | **GSE70657** | Grover23 | 27009448 | SC\_RNA | 2-3 mo | 20-25 mo | 2-3, 20-25 |
| Kirschner | 2017 | **GSE87631** | Kirschner8 | 28538171 | SC\_RNA |  |  | unknown |
| De Boer | 2017 | **GSE100428** | Mann19 | 30540934 | SC\_RNA | 1.8 - 2.7 mo | 20-24 mo | 1.8-2.7, 20-24 |
| Frenette | 2018 | **GSE109546** | Maryanovich3 | 29736022 | bulkRNA | 1.8-2.3 mo | 4.6-5.5 mo | 1.8-2.3,4.6-5.5 |
| Kong | 2019 | **GSE112769** | Montecino-Rodrigues37 | 30799276 | bulkRNA | 1.8-2.7 mo | 17-18 mo |  |
| Mulaw | 2018 | GSE119466 | Grigoryan38 | 30404662 | bulkRNA | 2-4 mo | 20-26 mo |  |
| Lazare | 2020 | **GSE128050** | Renders39 | 33504783 | bulkRNA | 4-5 mo | 20-24 mo |  |
| Young | 2020 | **GSE151333** | Young22 | 33848471 | bulkRNA | 2 | 22 | 2,12,22 |
| Young | | 2020 | GSE144934 | Young | 33848471 | bulkRNA |  |  | young, mid-aged |
| Itokawa | 2020 | **GSE162607** | Itokawa17 | 35577813 | bulkRNA | 2.3 | 20 | 2.3, 20 |
| Mansell | 2020 | **GSE156807** | Mansell | 33086034 | bulkRNA |  |  | unknown |
| Quinn | 2022 | GSE165695 | Wendorff | 37118089 | bulkRNA | 3.6 | 24 | 3.6, 24 |
| Kotovnyuk | 2021 | **GSE163503** | Kotovnyuk9 | 34525198 | bulkRNA | 2 mo | 24 mo | 2, 12, 24 |
| Jiya | 2022 | GSE212480 |  |  | SC\_RNA |  | 30 |  |
| Meng | 2023 | **GSE219092** | Meng40 | 37127714 | bulkRNA | 2 | 24 |  |
| Von Eyss | 2022 | **GSE157455** | Kim41 | 36057685 | bulkRNA | 3-5 mo | 22-28 mo | 2-5, 22-28 |
| Wang | 2022 | GSE169387 | Wang11 | 35484199 | ExpArray |  |  | unknown |
| Ali | 2022 | **GSE197070** | Montserrat-Vazquez42 | 36581635 | SC\_RNA | 2.3-2.7 mo | 18+ mo | 2.3-2.7, 18+ |
| Duarte | 2023 | GSE216405 | Hu43 | 37034577 | SC\_RNA | 2.5 | 24 | 2.5, 24 |
| Duprez | 2021 | **GSE147729** | Hérault44 | 33526011 | SC\_RNA | 2 | 17-18 mo | 2, 17-18 |
| Ropa | 2023 | GSE221126 | Trinh45 | 36650272 | bulkRNA | 2-4 mo | 12-15 mo | 2-4, 12-15 |
| Redmond | 2023 | **GSE227146** | Ramalingam46 | 37037837 | bulkRNA | 3 | 18 | 3, 18 |
|  |  |  |  |  |  |  |  |  |