

Figure S1. Regression lines of expression of genes belonging to 1st phylostratum (cellular organisms, Prokaryota) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-118}$.

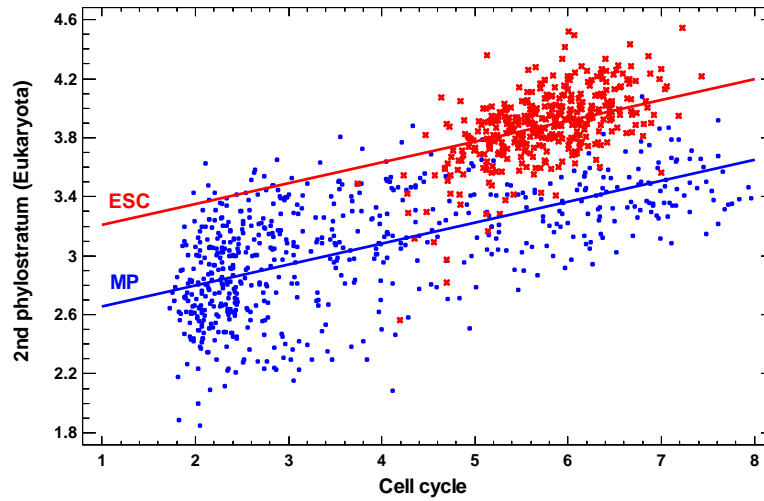


Figure S2. Regression lines of expression of genes belonging to 2nd phylostratum (unicellular Eukaryota) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-103}$.

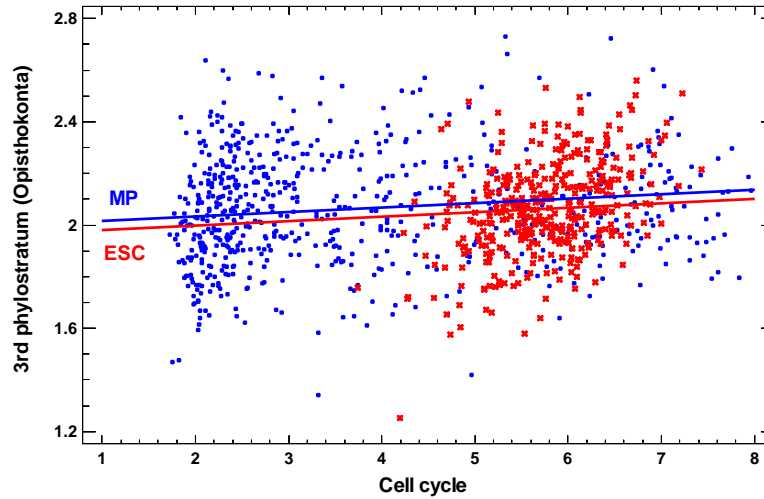


Figure S3. Regression lines of expression of genes belonging to 3rd phylostratum (Opisthokonta) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 0.03$.

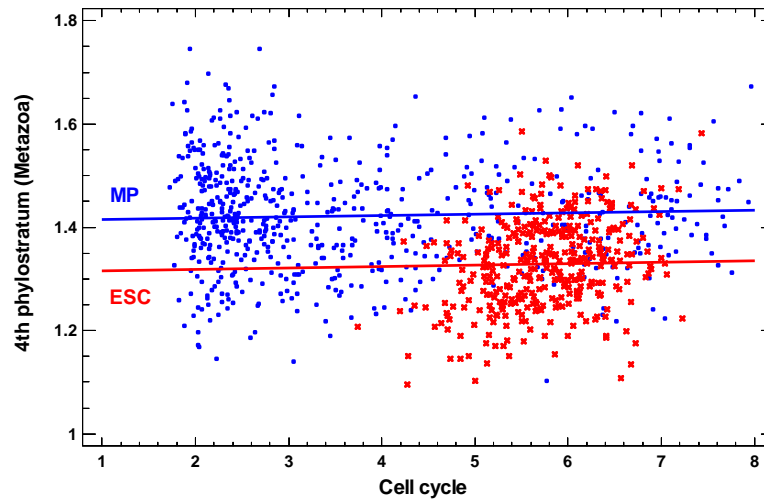


Figure S4. Regression lines of expression of genes belonging to 4th phylostratum (Metazoa) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-34}$.

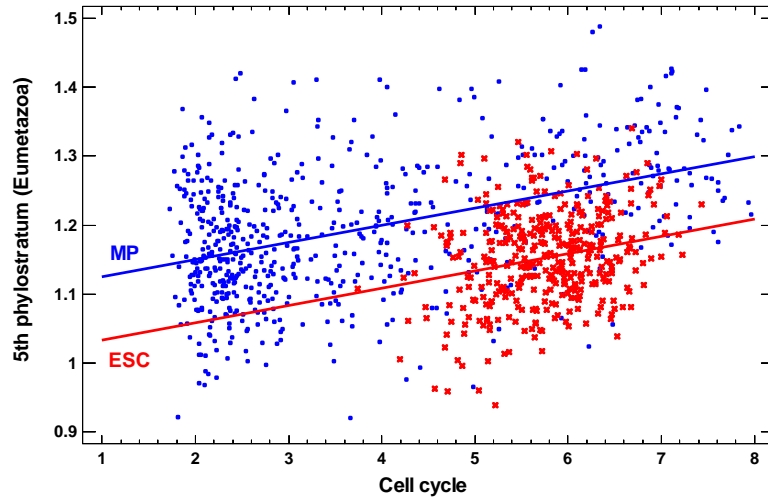


Figure S5. Regression lines of expression of genes belonging to 5th phylostratum (Eumetazoa) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-41}$.

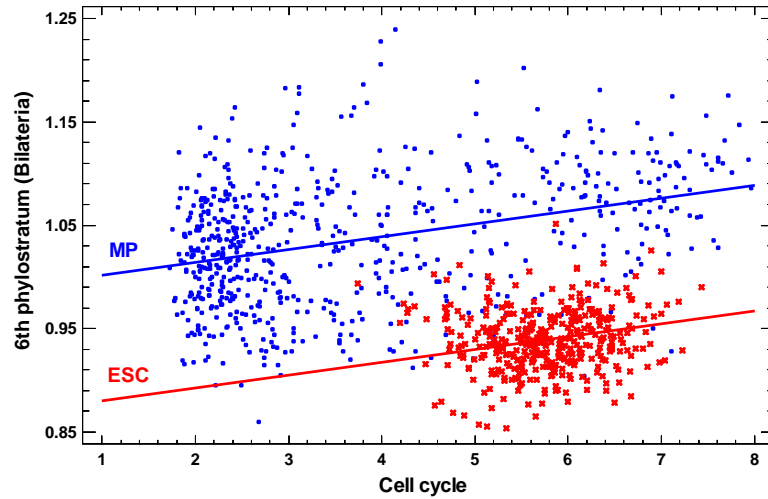


Figure S6. Regression lines of expression of genes belonging to 6th phylostratum (Bilateria) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-143}$.

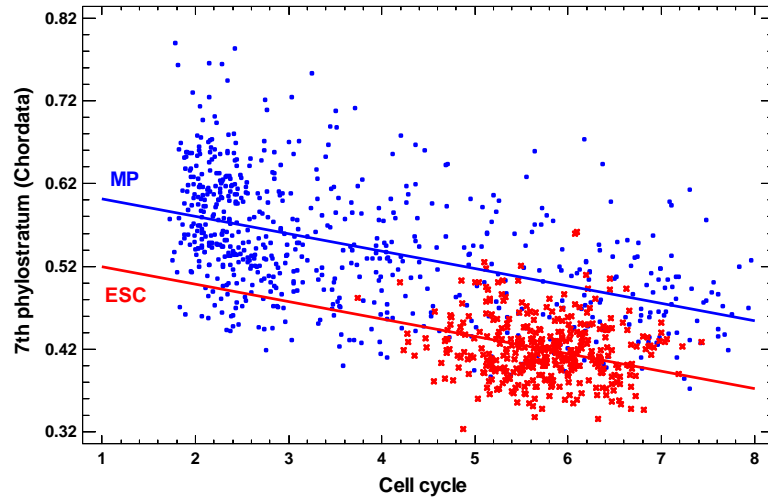


Figure S7. Regression lines of expression of genes belonging to 7th phylostratum (Chordata) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-67}$.

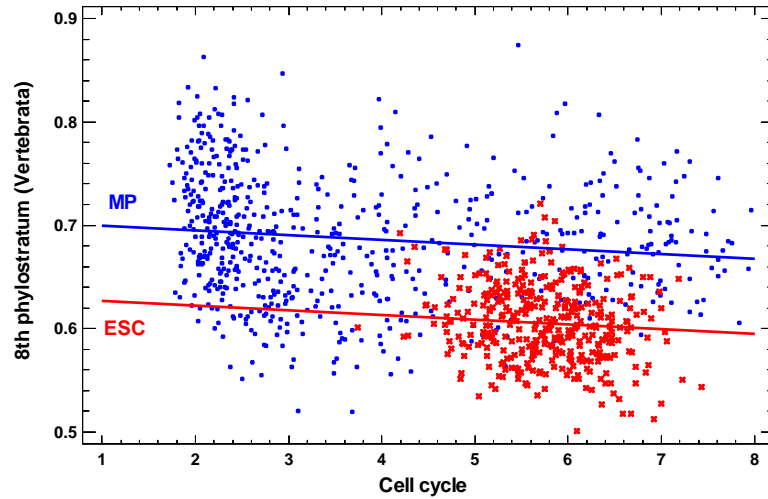


Figure S8. Regression lines of expression of genes belonging to 8th phylostratum (Vertebrata) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-60}$.

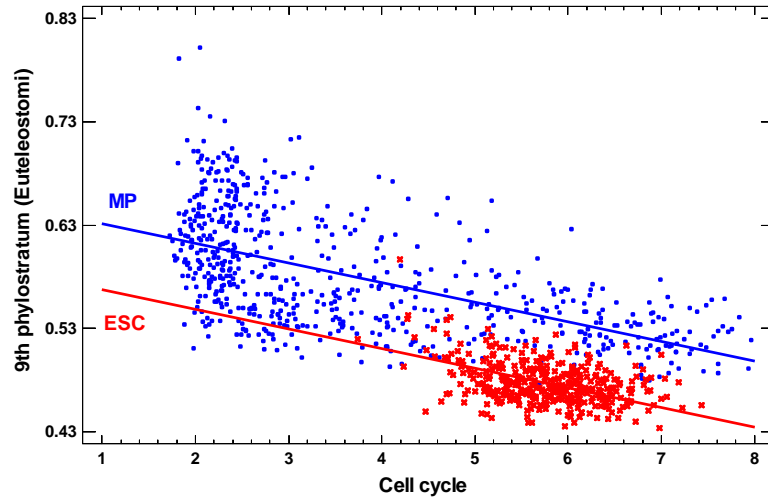


Figure S9. Regression lines of expression of genes belonging to 9th phylostratum (Euteleostomi) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-82}$.

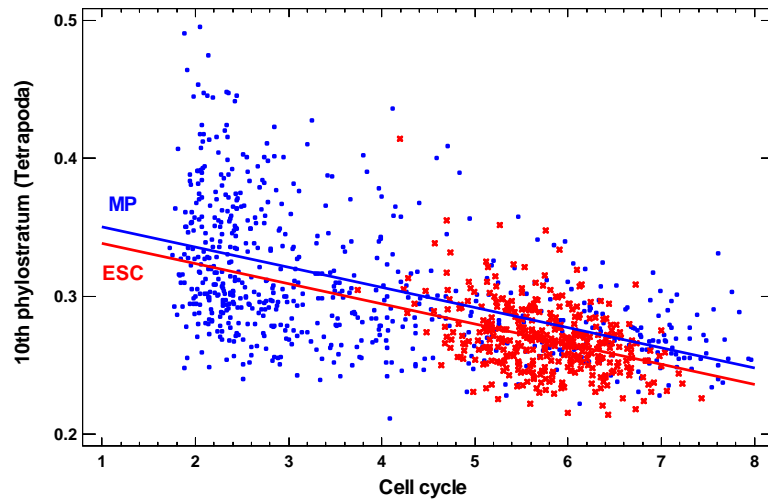


Figure S10. Regression lines of expression of genes belonging to 10th phylostratum (Tetrapoda) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-4}$.

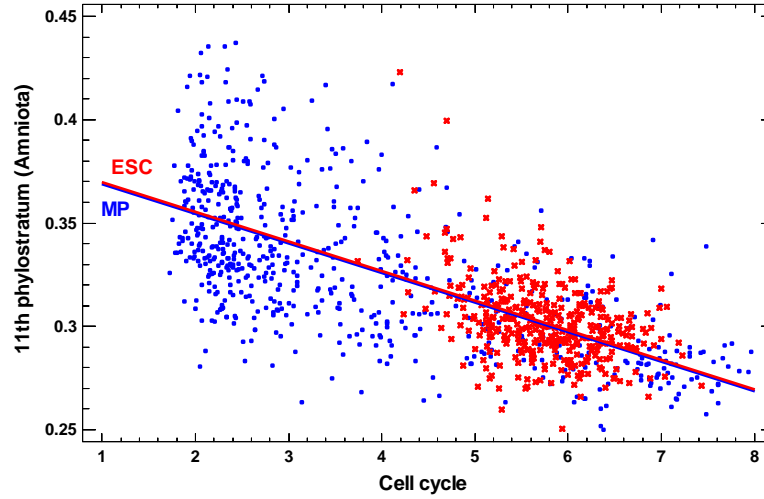


Figure S11. Regression lines of expression of genes belonging to 11th phylostratum (Amniota) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p > 0.6$.

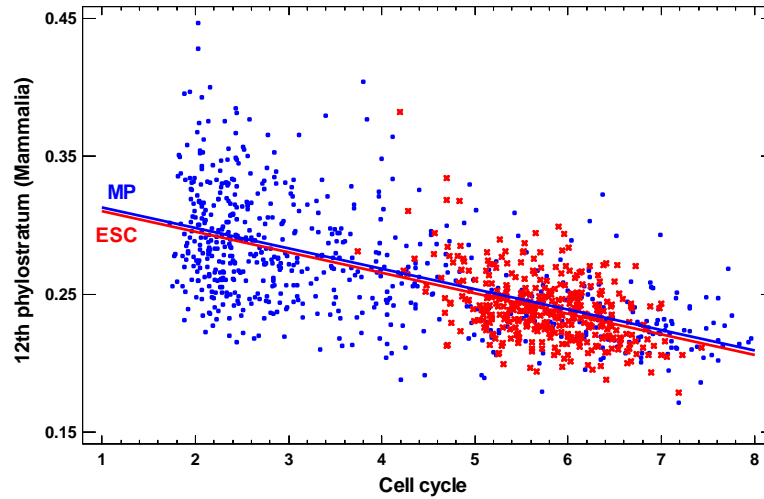


Figure S12. Regression lines of expression of genes belonging to 12th phylostratum (Mammalia) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p > 0.2$.

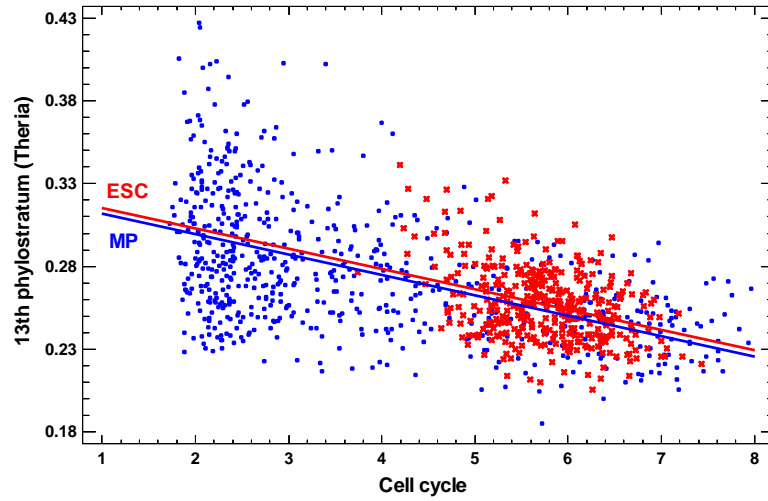


Figure S13. Regression lines of expression of genes belonging to 13th phylostratum (Theria) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p > 0.1$.

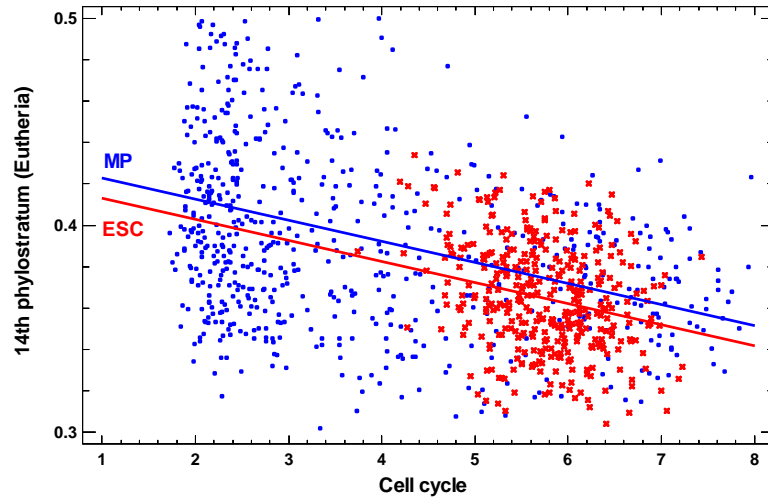


Figure S14. Regression lines of expression of genes belonging to 14th phylostratum (Eutheria) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 0.01$.

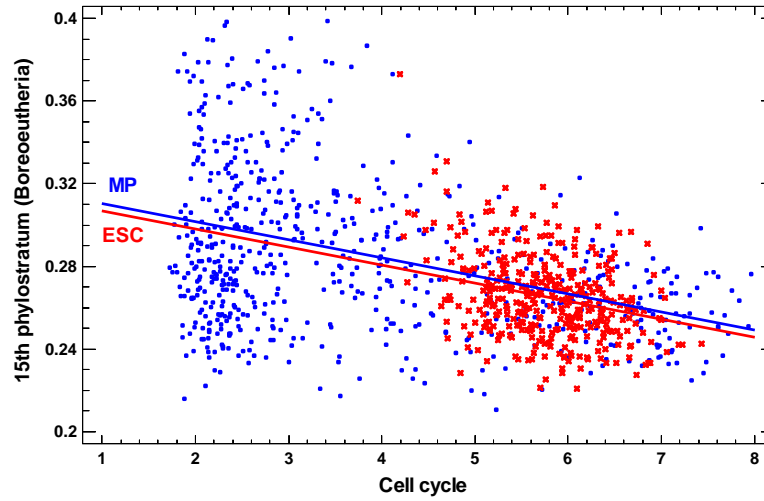


Figure S15. Regression lines of expression of genes belonging to 15th phylostratum (Boreoeutheria) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p>0.1$.

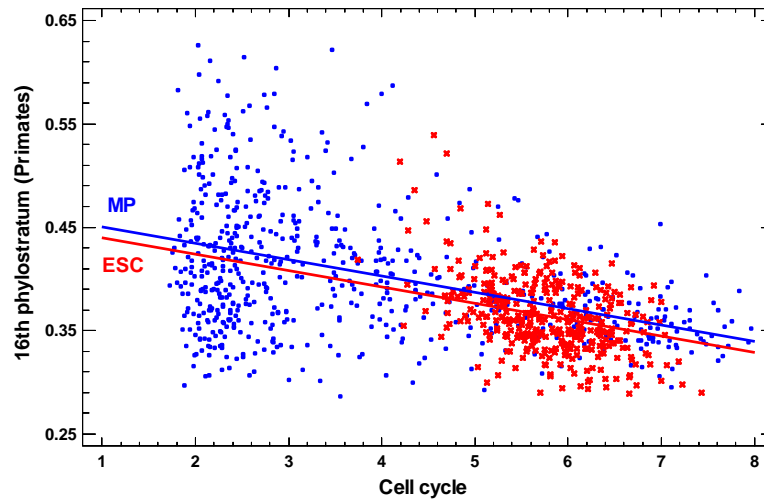


Figure S16. Regression lines of expression of genes belonging to 16th phylostratum (Primates) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p<0.05$.

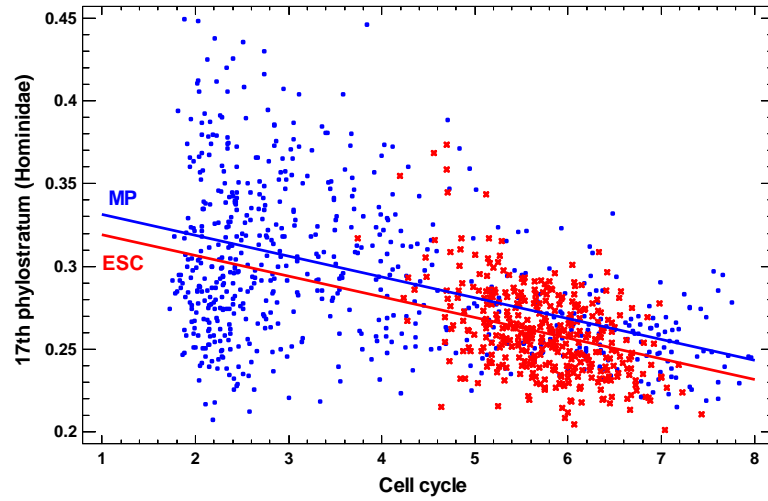


Figure S17. Regression lines of expression of genes belonging to 17th phylostratum (Hominidae) on expression of cell-cycle signature in the single-cell transcriptomes of multipotent progenitors (MP) (blue) and pluripotent embryonic stem cells (ESC) (red). For difference between intercepts: $p < 10^{-3}$.