To demonstrate the power of MPI over serial code without sampling genes and using entire gene sample.

| Code | Clusters | Distance Metric | Time in seconds | Clock Cycles |
| --- | --- | --- | --- | --- |
| MPI code | 10 | Manhattan |  |  |
| Serial code | 10 | Manhattan |  |  |

To demonstrate the power of MPI over serial code in reading file

| Code | Genes | Time in seconds | Clock Cycles |
| --- | --- | --- | --- |
| MPI code | 7129 |  |  |
| Serial code | 7129 |  |  |