## [PLNT3140 INTRODUCTORY CYTOGENETICS](http://home.cc.umanitoba.ca/~frist/PLNT3140/)    October 2023

# **Karyotype Lab Assignment**

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This assignment is worth 30% of the lab grade.
**Due date:** November 10, 2023

**1. Annotated Chromosomes**



**2. Karyotype Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | s | l | l/s | length (µM) |
| 1 | 3.2 | 3.2 | 5.4 | 1.7 | 8.6 |
| 2 | 5.4 |  |  |  |  |
| 3 | 3.9 | 3.9 | 4.4 | 1.1 | 8.2 |
| 4 | 4.4 |  |  |  |  |
| 5 | 3.5 | 3.5replace with your results | 3.7 | 1.0 | 7.2 |
| 6 | 3.7 |  |  |  |  |
| 7 | 2.6 | 2.6 | 2.8 | 1.1 | 5.4 |
| 8 | 2.8 |  |  |  |  |
| 9 | 2.8 | 2.8 | 3.1 | 1.1 | 5.9 |
| 10 | 3.1 |  |  |  |  |
| 11 | 3.3 | 3.1 | 3.3 | 1.1 | 6.4 |
| 12 | 3.1 |  |  |  |  |
| 13 | 3.2 | 2.3 | 3.2 | 1.4 | 5.4 |
| 14 | 2.3 |  |  |  |  |
| 15 | 2.8 | 2.8 | 2.9 | 1.0 | 5.7 |
| 16 | 2.9 |  |  |  |  |
| 17 | 3.1 | 3.1 | 3.7 | 1.2 | 6.8 |
| 18 | 3.7 |  |  |  |  |
| 19 | 3.7 | 2.6 | 3.7 | 1.4 | 6.3 |
| 20 | 2.6 |  |  |  |  |
| 21 | 3.2 | 3.2 | 3.9 | 1.2 | 7.1 |
| 22 | 3.9 |  |  |  |  |
| 23 | 2.9 | 2.8 | 2.9 | 1.0 | 5.8 |
| 24 | 2.8 |  |  |  |  |
| 25 | 3.1 | 2.3 | 3.1 | 1.3 | 5.4 |
| 26 | 2.3 |  |  |  |  |
| 27 | 3.0 | 3.0 | 3.0 | 1.0 | 6.0 |
| 28 | 3.0 |  |  |  |  |

**3. Ideogram**

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