

GENETICS 302
SAMPLE SECOND NOTEBOOK GRADE SHEET

STUDENT ASSISTED GRADING: Check approp. box:

- Table of Handouts: pages 28-32 (How many pgs missing?)
- Personal Table of Contents: typed, each page #ed, topic, dated
- 1ST Genetics Notebook Gradesheet, 26 Jan 2011: page: _____
- New wordstem list: last page, typed, appropriately dated
- Gradeslips: 5, 6, 7, 8 (circle missing slip, check # missing)

| OK | -1 | -2 | -3 | -4 | Fank help? |
|----|----|----|----|----|------------|
| | | | | | /4 |
| | | | | | /4 |
| | | | | | /2 |
| | | | | | /2 |
| | | | | | /4 |

Sum of earned points: 16 - _____ = _____

page no:

| | excel | good | avg |
|-----|-------|------|-----|
| 1st | | | |
| 2nd | | | |
| 3rd | | | |
| 4th | | | |
| 5th | | | |

Enter page numbers

- If you have more than five, pick your *best* five for review.
- (Typed for extra 3pts)

SUGGESTIONS/CONCLUSION:

- Conclusions** drawn, improvements in protocols offered. Errors and/or problems spelled out?
- Suggestions** for further experiments are thoughtful, new ideas presented.
- Typed on single page**, cross ref'd to approp'te page.

| page in NB | OK | -1 | -2 | -3 | -4 |
|------------|----|----|----|----|----|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |

ENTRIES & ILLUSTRATIONS:

- Diagram of PCR cycling, with explanation
- Printout of your Chi Squared spread sheet
- Complete info on *your* endonuclease digestn setup
- Karyotype (which done, what is your conclusion?)
- Diagram: PCR tube with contents indicated
- Results from the electrophoresis of 15 Feb 2011 PCR
- Protocol followed for buccal DNA isolation 22 Feb 2011

| |
|---------------------|
| meaningful title |
| sized to fill space |
| clarity of line |
| accuracy |
| detail sufficient |
| labels for features |
| magnificatn of view |
| source of specimen |

excel adeq ops!

NOTEBOOK ENTRIES, OVERALL:

| |
|--------------|
| table page 1 |
| pg ii |
| |
| |
| |
| |
| |

- Handout Table filled in:** All protocols * permanently mounted with non-embossed contact paper. **Title** for each handout, between lines 1 & 3.
- Your Tbl of Contents:** Typed, single spaced, dated, mounted in front pages.
- Pen permanent, black and fine**, (not ball point) used for all entries.
- Dates for each entry**, top L. Odd pages *clearly* numbered, top R.
- Title for each page:** meaningful & in CAPS. Entries start below line 9.
- Labeled cross ref's** for each page (protocols, illustrations, data, etc) line 6.
- Fresh page** for each expt. Adequate open space. Numerical data offset.
- Suggestions and/or conclusions** (scoring based on table above)
- Care shown in presentation.** Detailed data entered *directly* → book.
- Features explained** (& colored?). Additional non-required materials?

(_____ x2) + _____ = _____ x 8 = _____

Number of check "pluses:" _____ x (+3) = _____

Number of check "minuses": # of deficient pts = _____

Student graded points = 16 - _____ = _____

Illustration points = 23 - _____ = _____

| | |
|-------|--------------------------------------|
| _____ | Notebook procedure, overall |
| _____ | Notebook procedure: bonus points |
| _____ | Notebook procedure: demerits |
| _____ | Student assisted (fr table at top) |
| _____ | Illustration points |
| _____ | Total points earned (at top of page) |

Buccal DNA: detailed notes on steps you performed

Excel χ^2 printout, your name and date constructed

Karyotype exercise completed, conclusions drawn

PCR machine, cycles for D1S80 spelled out.

| GRAPHS |
|-----------------------|
| meaningful title |
| ref'd to orig data |
| proper graph size |
| intervals 1,2,5 or 10 |
| coordinates labeled |
| correct data plots |
| interpreted |

| ILLUSTRATION |
|---------------------|
| meaningful title |
| sized to fill space |
| clarity of line |
| accuracy |
| detail sufficient |
| labels for features |
| magnificatn of view |
| source of specimen |

- 1 Handout Table of Contents
- 2 Personal Table of Contents
- 3 Diagram of PCR cycling, with explanation
- 4 Printout of your Chi Squared spread sheet
- 5 Complete info on *your* endonuclease digestn setup
- 6 Karyotype (which done, what is your conclusion?)
- 7 Diagram: PCR tube with contents indicated
- 8 Results from the electrophoresis of 15 Feb 2011 PCR
- 9 Protocol followed for buccal DNA isolation 22 Feb
- 10 Conclusions
- 11 Wordstem List
- 12 Gradeslips