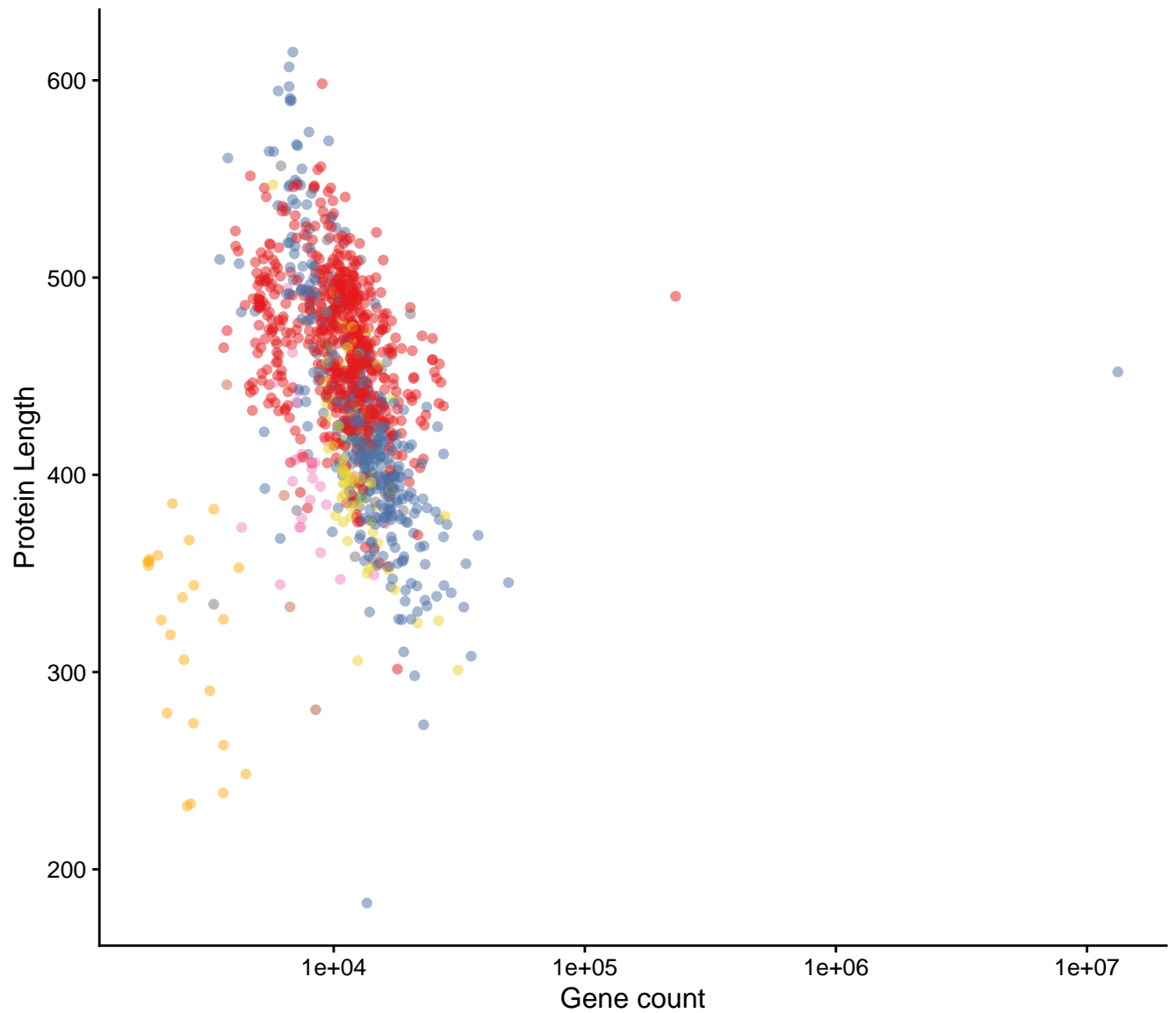
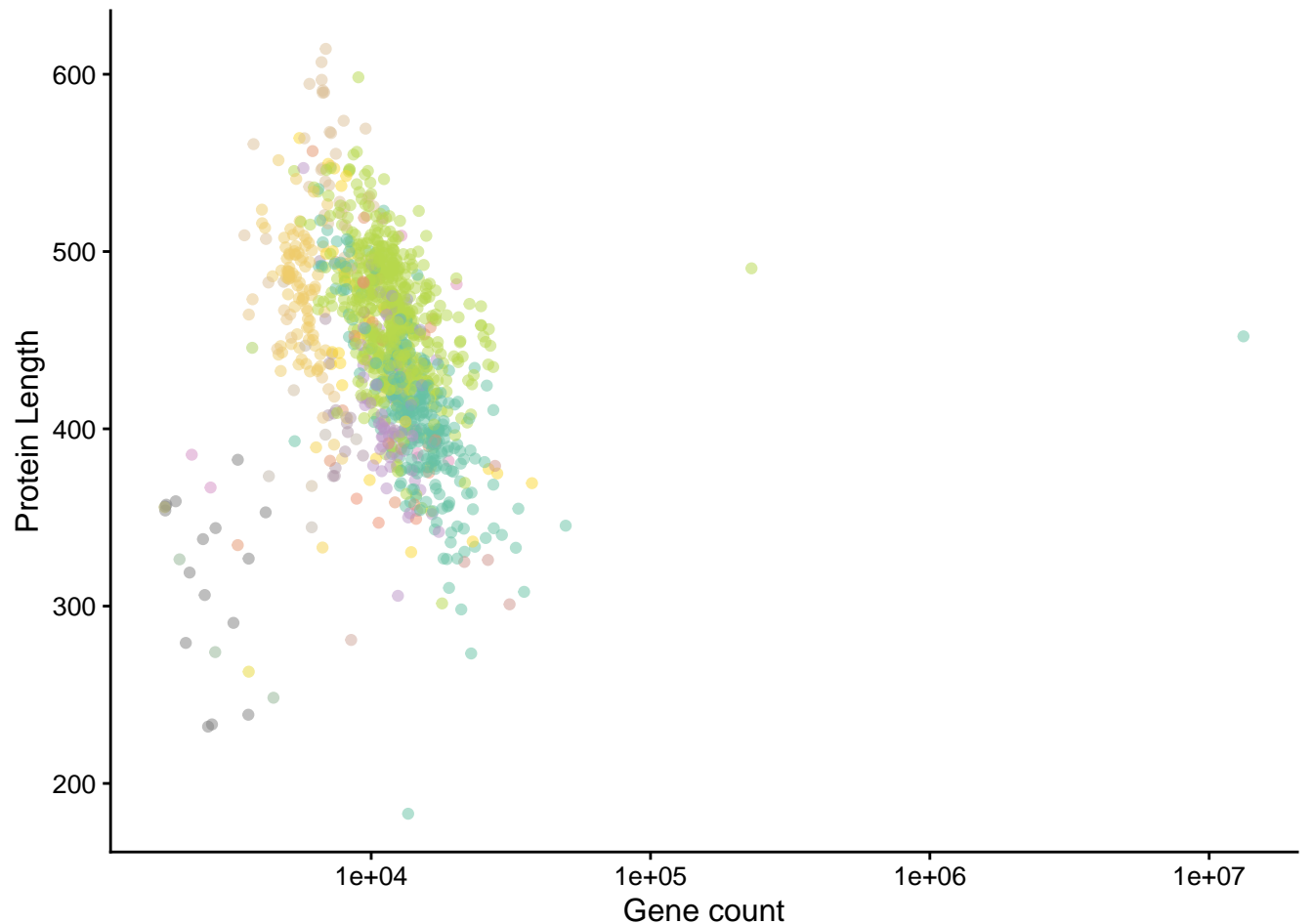


Gene Count vs Mean Protein length



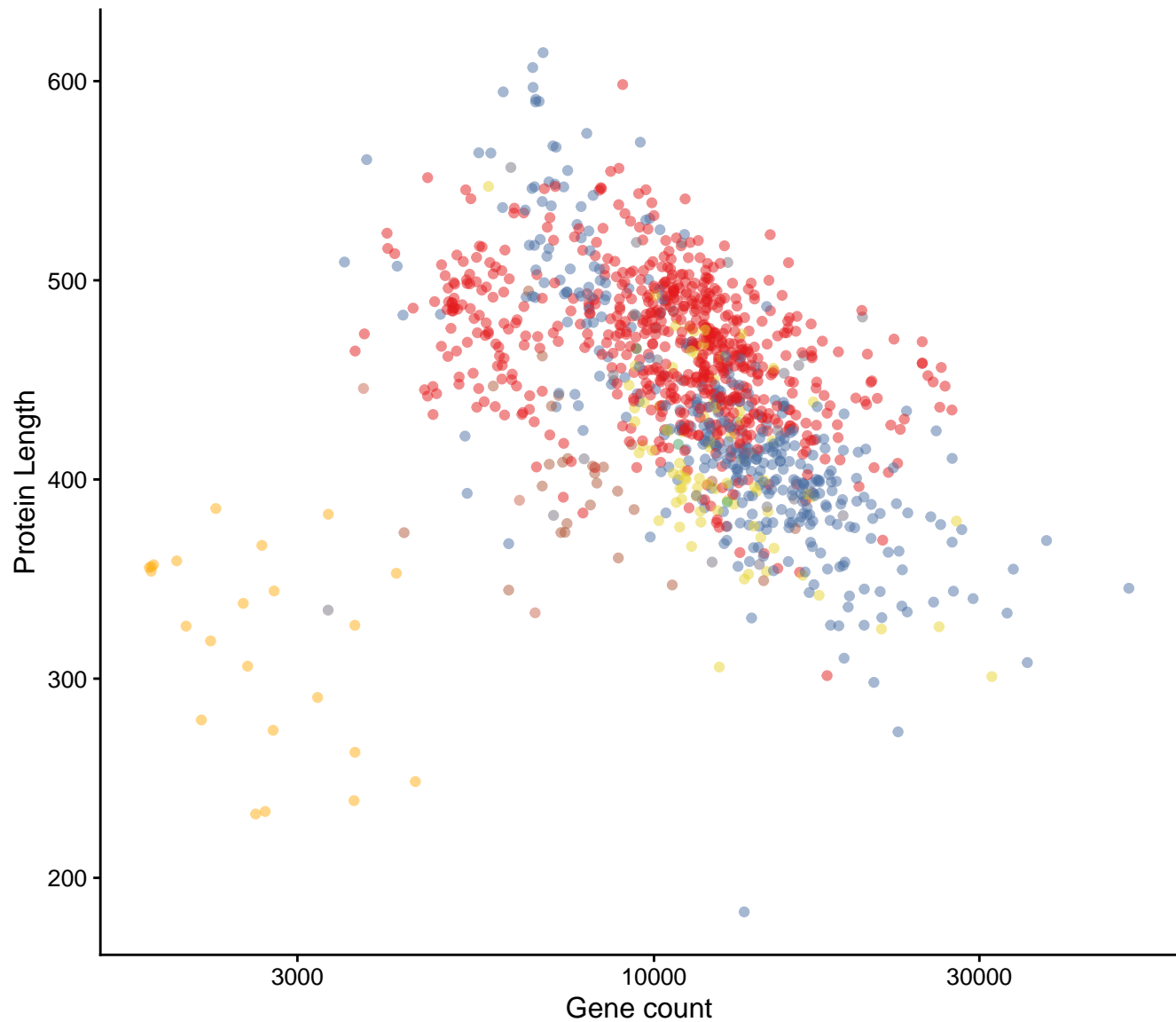
Gene Count vs Mean Protein length



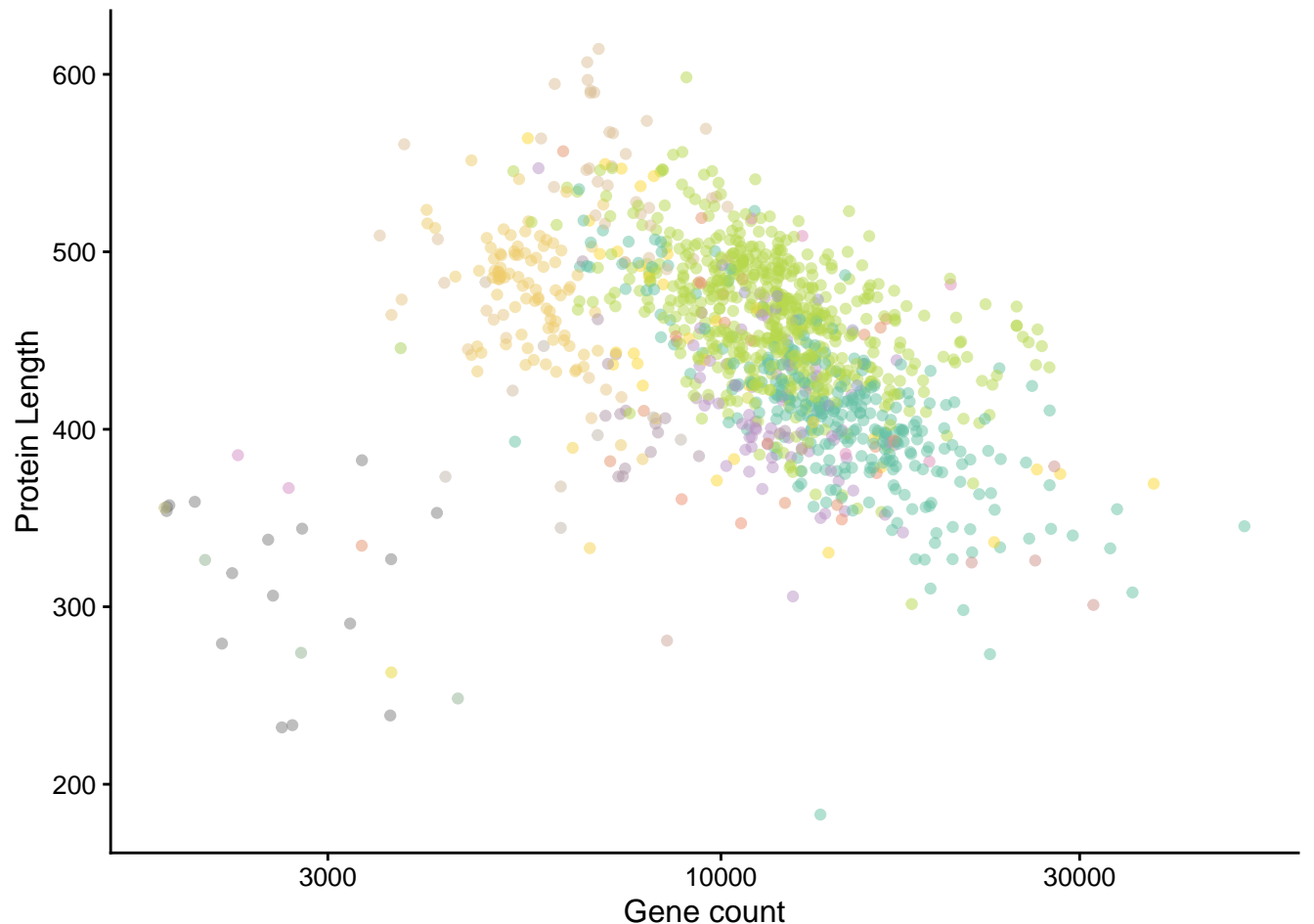
SUBPHYLUM

- | | | |
|-----------------------|-------------------------|----------------------|
| Agaricomycotina | Kickxellomycotina | Olpidiomycotina |
| Apansporoblastina | Monoblepharidomycotina | Ordosporidae |
| Blastocladiomycotina | Mortierellomycotina | Paramicrosporidium |
| Chytridiomycotina | Mucoromycotina | Pezizomycotina |
| Entomophthoromycotina | Nematocida | Physodermatomycotina |
| Glomeromycotina | Neocallimastigomycotina | Pseudoloma |

Gene Count vs Mean Protein length

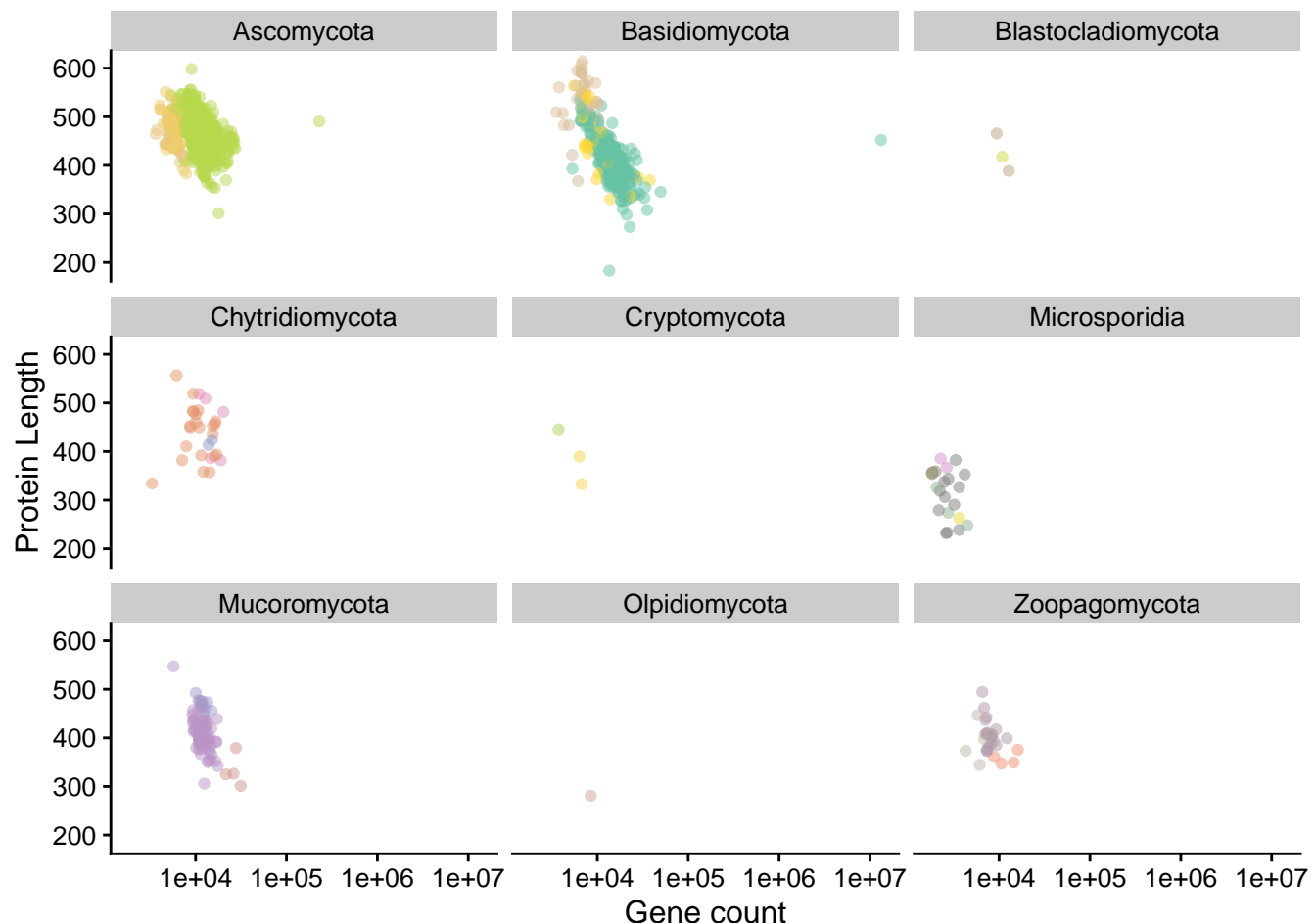


Gene Count vs Mean Protein length



- | | | |
|-----------------------|-------------------------|----------------------|
| Agaricomycotina | Kickxellomycotina | Olpidiomycotina |
| Apansporoblastina | Monoblepharidomycotina | Ordosporidae |
| Blastocladiomycotina | Mortierellomycotina | Paramicrosporidium |
| Chytridiomycotina | Mucoromycotina | Pezizomycotina |
| Entomophthoromycotina | Nematocida | Physodermatomycotina |
| Glomeromycotina | Neocallimastigomycotina | Pseudoloma |

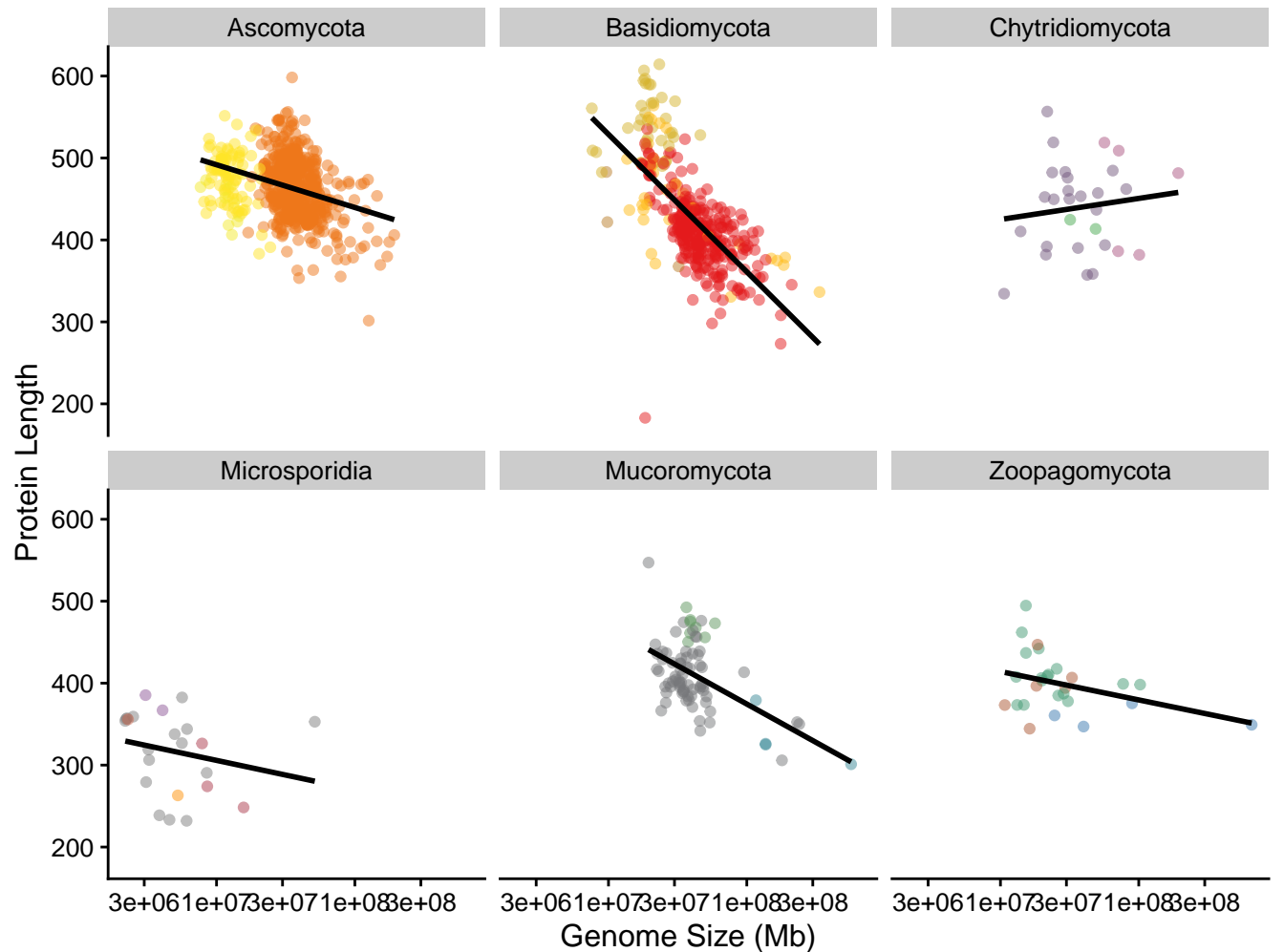
Gene Count vs Mean Protein length



SUBPHYLUM

- Agaricomycotina
- Apansporoblastina
- Blastocladiomycotina
- Chytridiomycotina
- Entomophthoromycotina
- Glomeromycotina
- Kickxellomycotina
- Monoblepharidomycotina
- Mortierellomycotina
- Mucoromycotina
- Nematocida
- Neocallimastigomycotina
- Olpidiomycotina
- Ordosporidae
- Paramicrosporidium
- Pezizomycotina
- Physodermatomycotina
- Pseudoloma

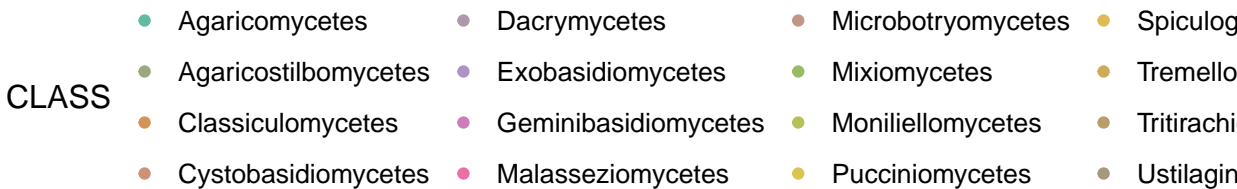
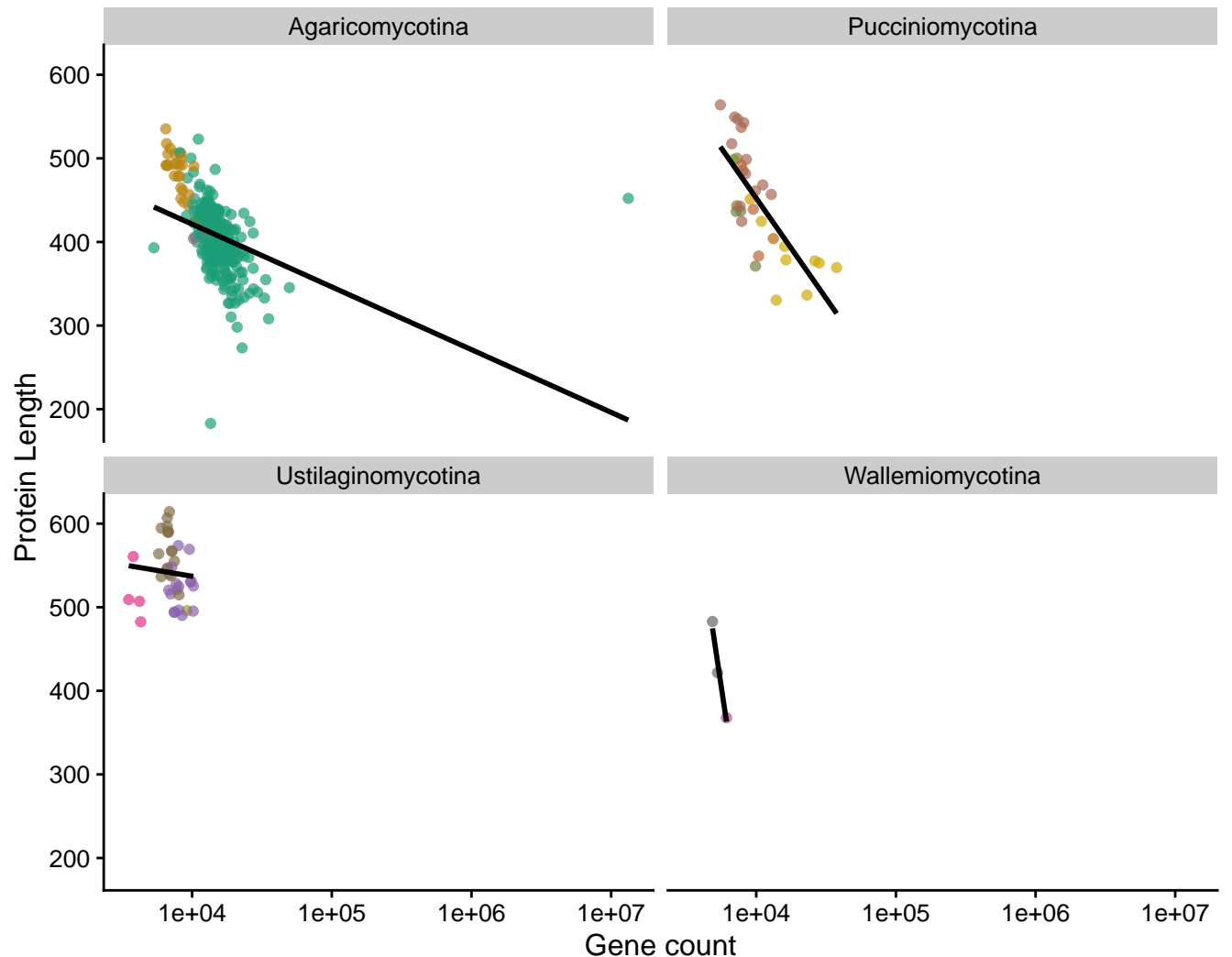
Genome Size vs Mean Protein length



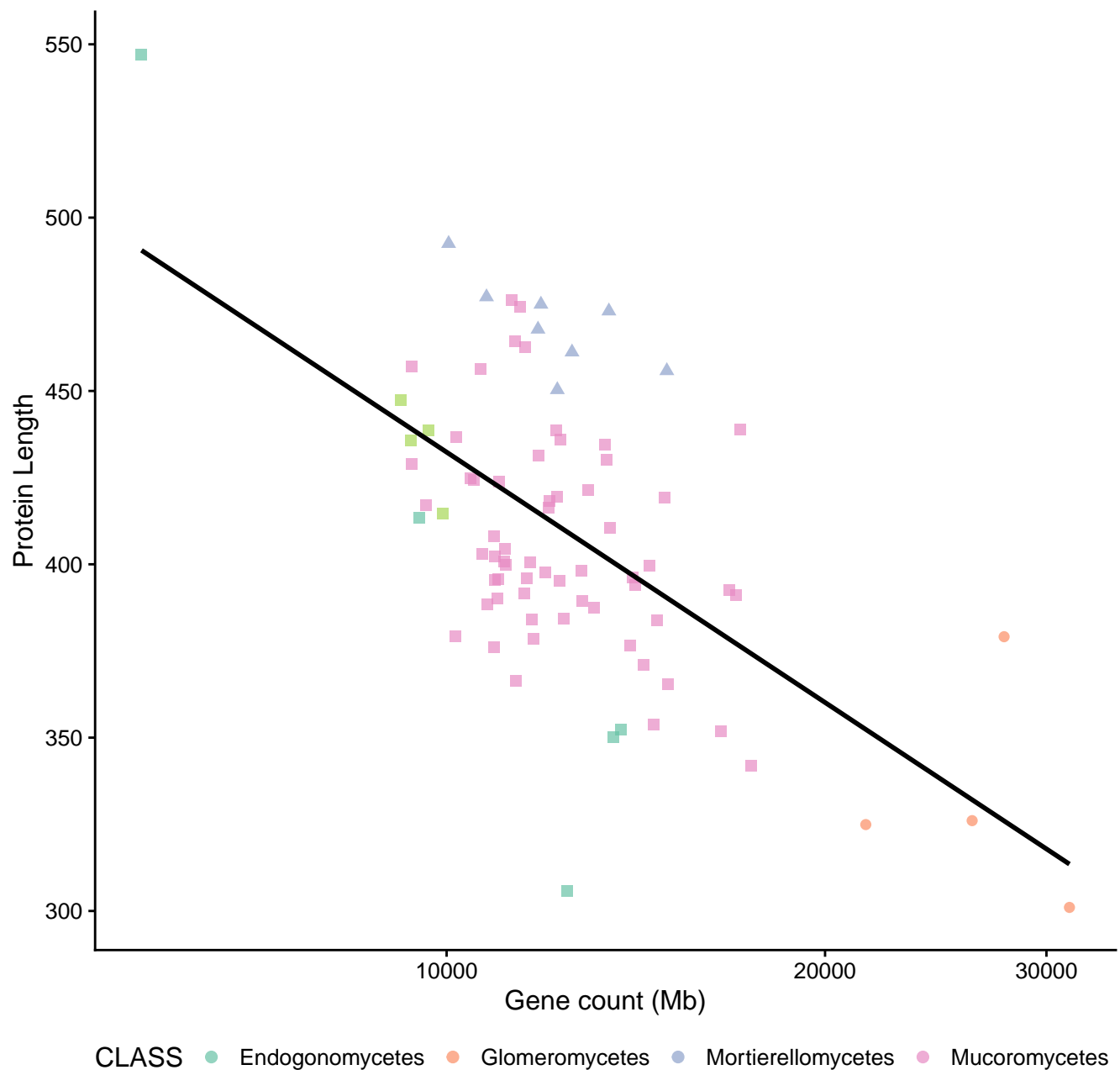
SUBPHYLUM

- | | | |
|-------------------------|--------------------------|---------------------------|
| ● Agaricomycotina | ● Kickxellomycotina | ● Neocallimastigomycotina |
| ● Apansporoblastina | ● Monoblepharidomycotina | ● Ordosporidae |
| ● Chytridiomycotina | ● Mortierellomycotina | ● Pezizomycotina |
| ● Entomophthoromycotina | ● Mucoromycotina | ● Pseudoloma |
| ● Glomeromycotina | ● Nematocida | ● Pucciniomycotina |

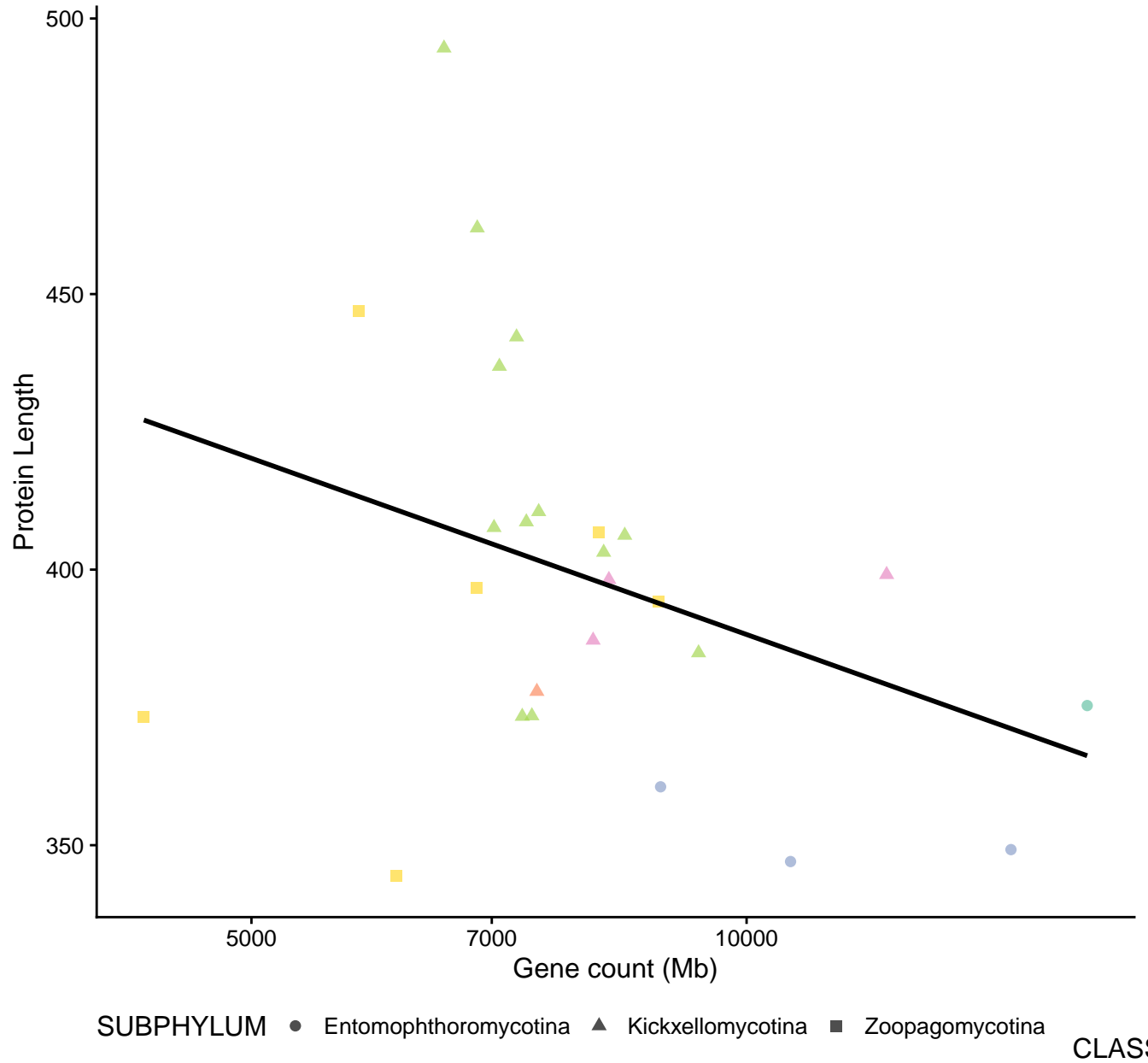
Gene Count vs Mean Protein length



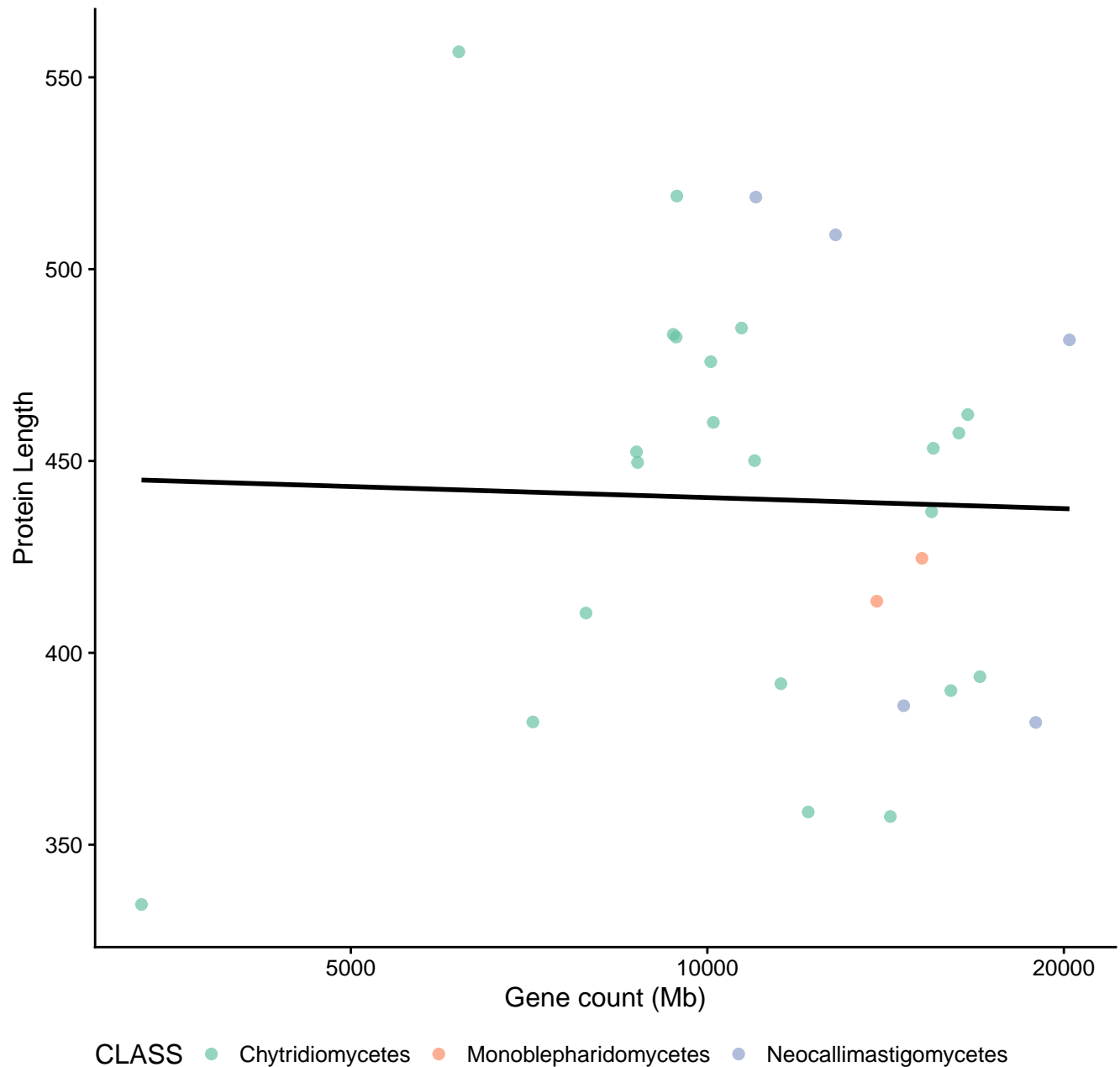
Mucoromycota: Gene Count vs Mean Protein length

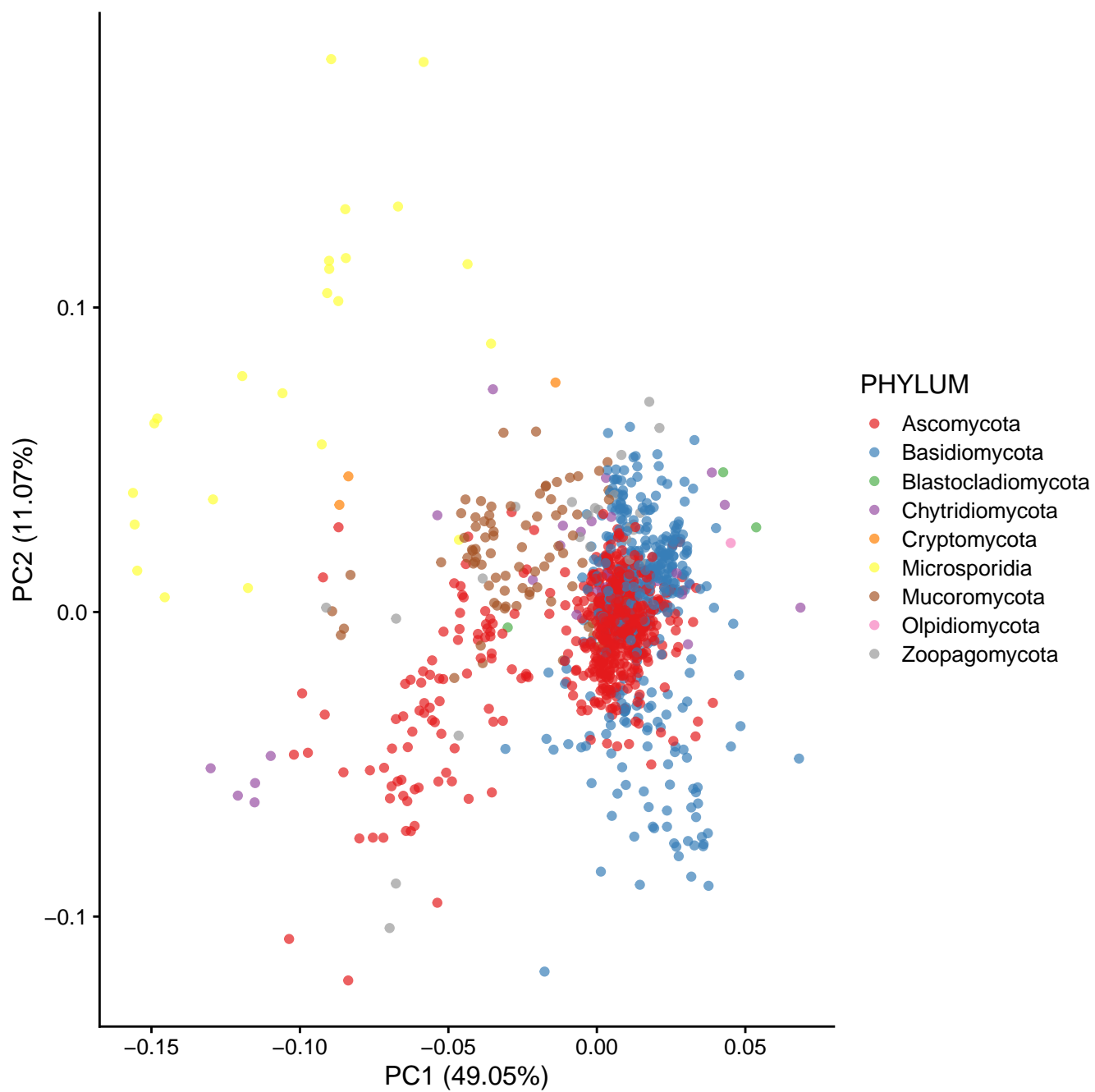


Zoopagomycota: Gene Count vs Mean Protein length

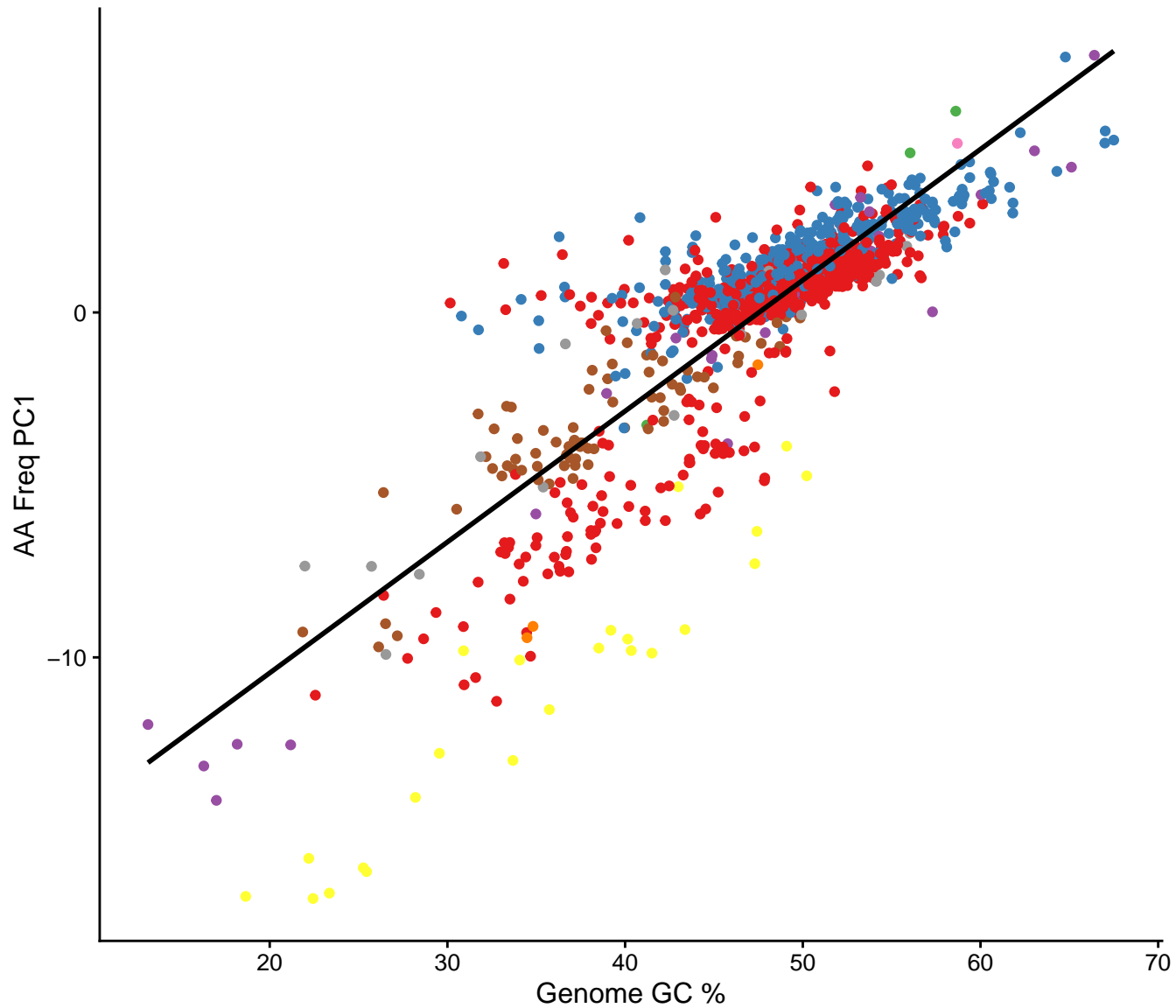


Chytridiomycota: Gene Count vs Mean Protein length





GC % vs AA Freq PC1 Adj R2 = 0.70124 Intercept = -18.043 Slope = 0.341



PHYLUM

Ascomycota

Blastocladiomycota

Cryptomycota

Mucoromycota

Zygomycota

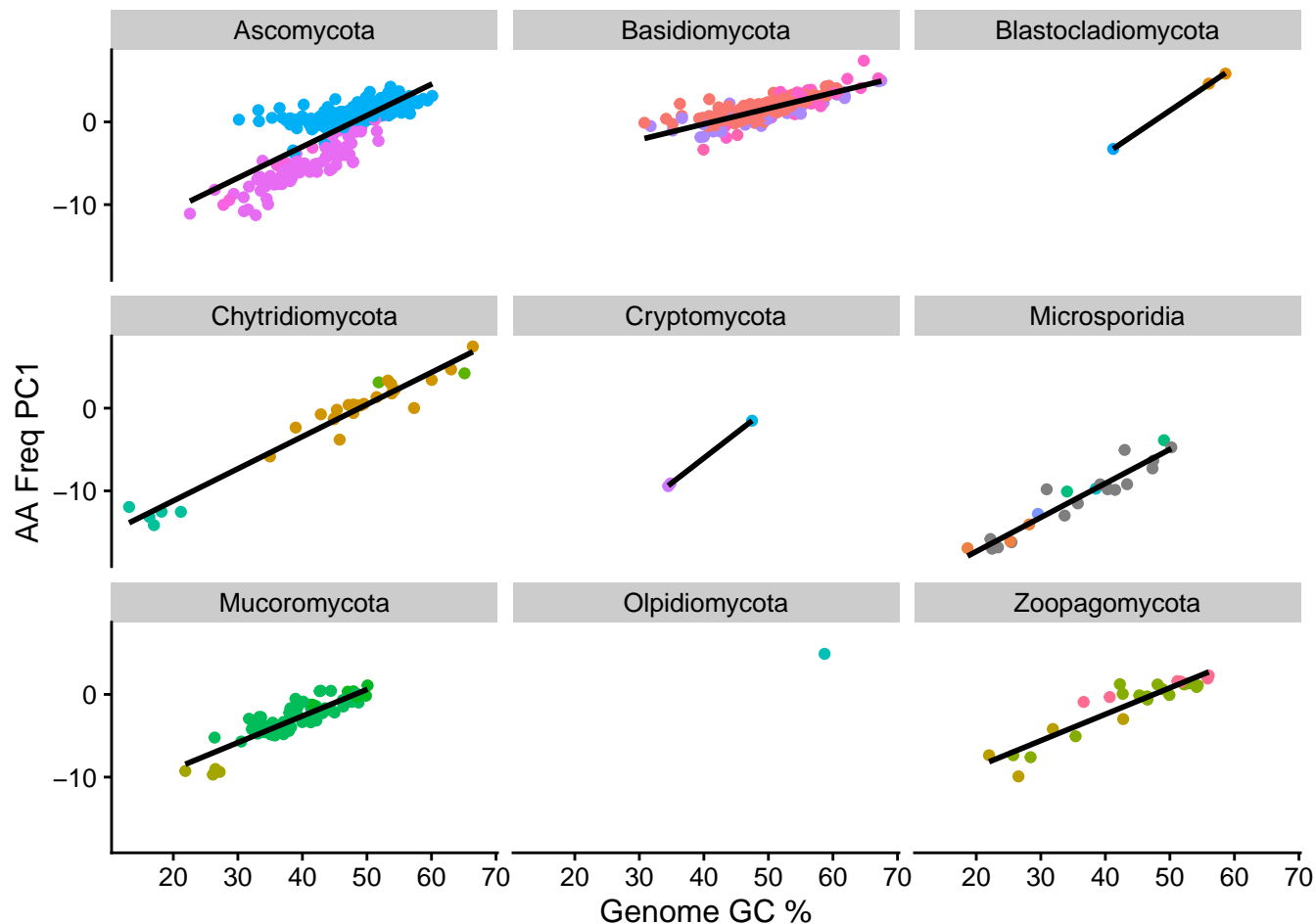
Basidiomycota

Chytridiomycota

Microsporidia

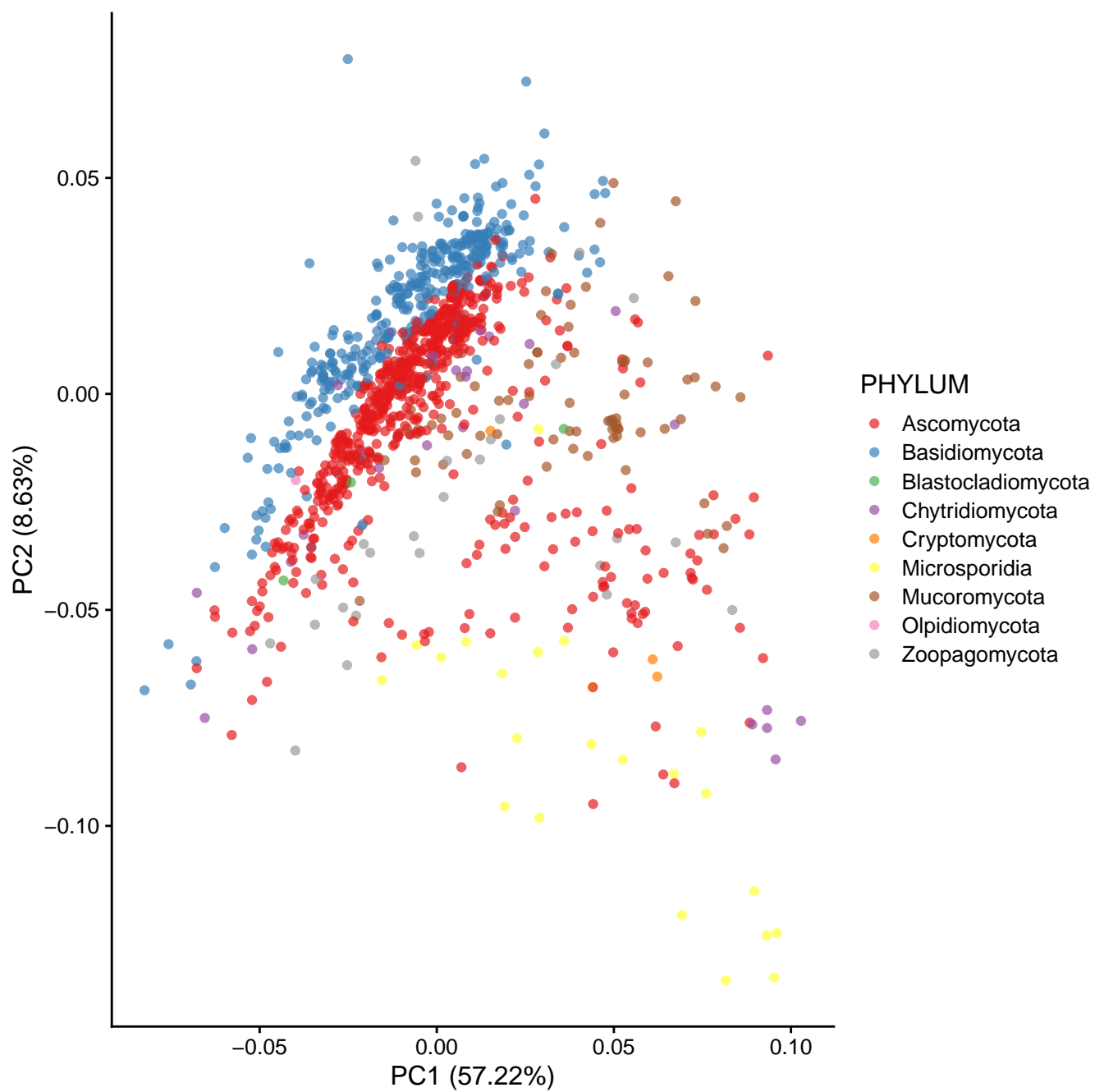
Olpidiomyces

GC % vs AA Freq PC1

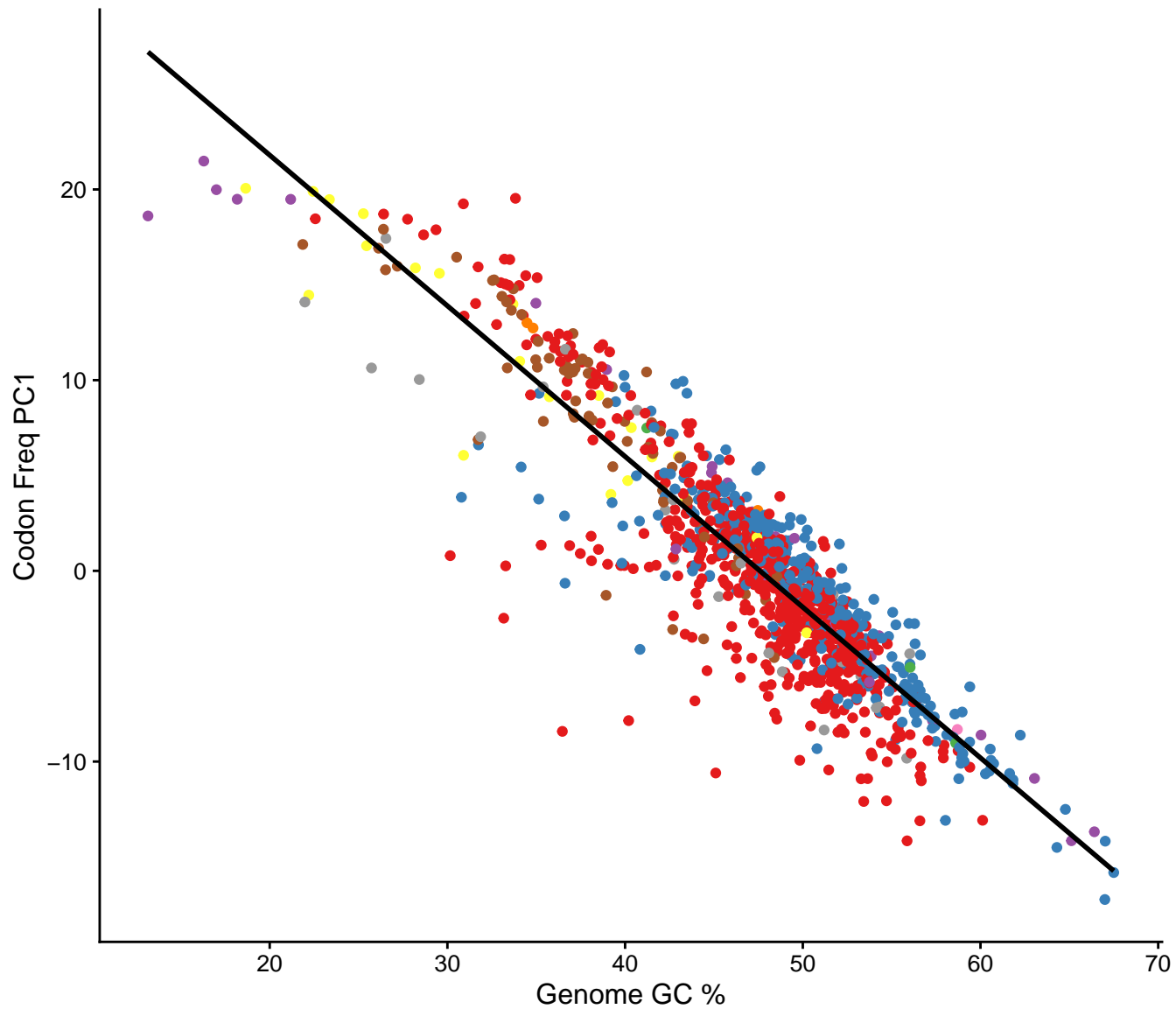


SUBPHYLUM

- Agaricomycotina
- Apansporoblastina
- Blastocladiomycotina
- Chytridiomycotina
- Entomophthoromycotina
- Glomeromycotina
- Kickxellomycotina
- Monoblepharidomycotina
- Mortierellomycotina
- Mucoromycotina
- Nematocida
- Neocallimastigomycotina
- Olpidiomycotina
- Ordosporidae
- Paramicrosporidium
- Pezizomycotina
- Physodermatomycoata
- Pseudoloma



GC % vs Codon Freq PC1 Adj R2 = 0.80882 Intercept = 37.601 Slope = -0.608



PHYLUM

Ascomycota

Blastocladiomycota

Cryptomycota

Mucoromycota

Zygomycota

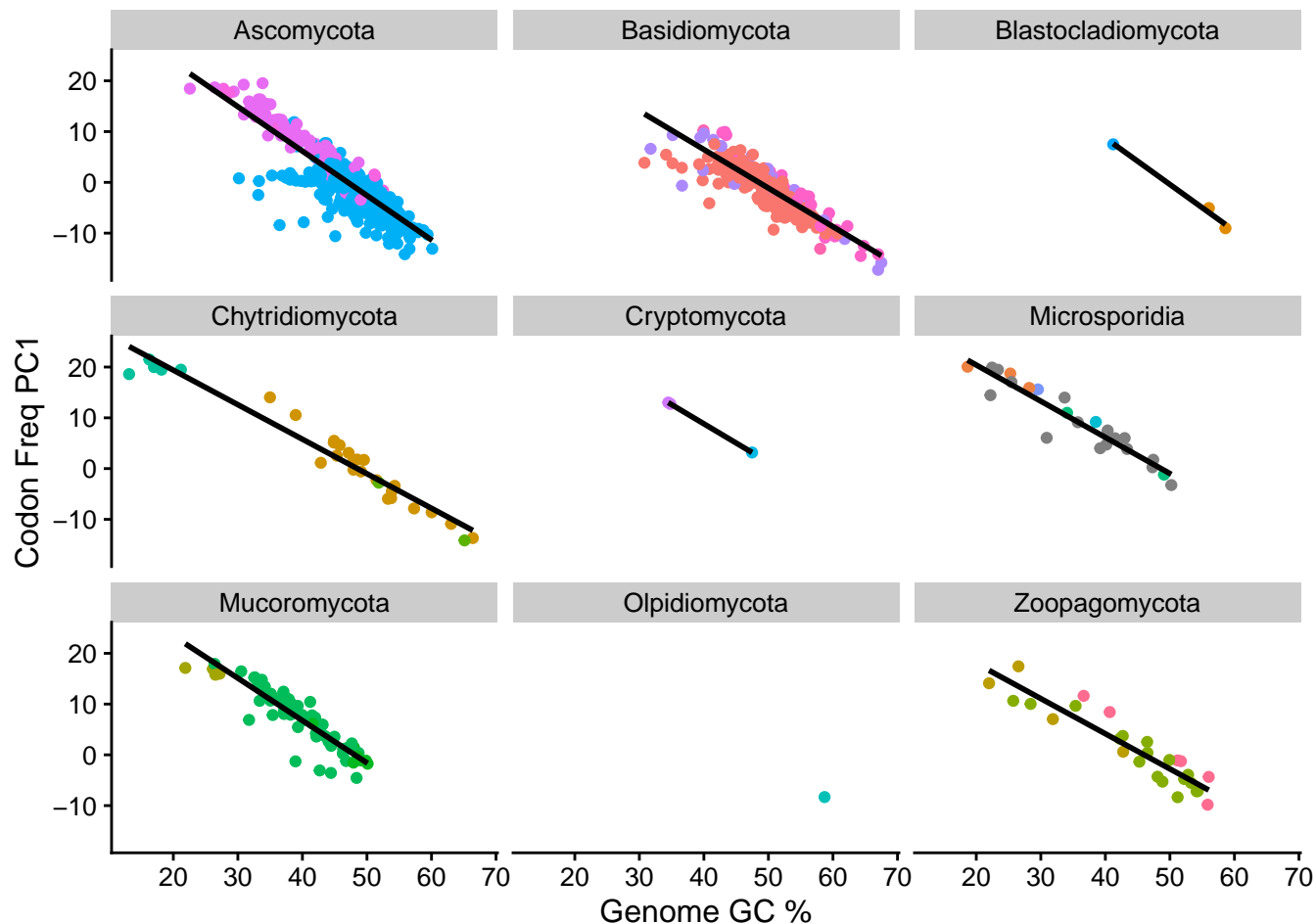
Basidiomycota

Chytridiomycota

Microsporidia

Olpidiomycolata

GC % vs Codon Freq PC1



SUBPHYLUM

- Agaricomycotina
- Apansporoblastina
- Blastocladiomycotina
- Chytridiomycotina
- Entomophthoromycotina
- Glomeromycotina
- Kickxellomycotina
- Monoblepharidomycotina
- Mortierellomycotina
- Mucoromycotina
- Nematocida
- Neocallimastigomycotina
- Olpidiomycotina
- Ordosporidae
- Paramicrosporidium
- Pezizomycotina
- Physodermatomycotina
- Pseudoloma

