**A**

For the first set of data, the equation is $y = -1.073x + 35.89$, with a correlation coefficient $r = -0.50$, and $p < 0.001$.

**B**

For the second set of data, the equation is $y = -63.05x + 200.2$, with a correlation coefficient $r = -0.64$, and $p < 0.001$.

On the graphs:

- Red dots represent intracellular proteins.
- Yellow diamonds represent non-intracellular proteins.
- Blue triangles represent non-host-associated proteins.