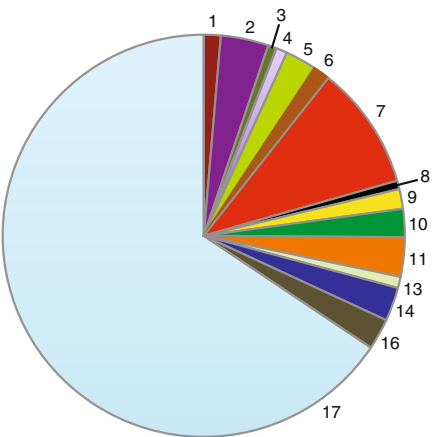
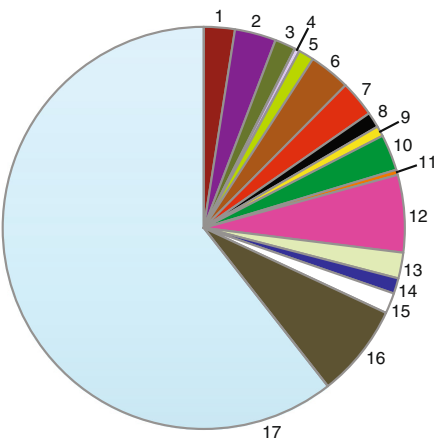


A. G186A**B. G217B**

- 1. amino acid transport and metabolism
- 2. carbon transport and metabolism
- 3. glycan metabolism
- 4. iron metabolism
- 5. lipid / fatty acid metabolism
- 6. oxidoreductase
- 7. kinase / phosphatase
- 8. peptidase / protease
- 9. co-factor and nucleotide processing
- 10. transcription factor
- 11. phosphotransferase
- 12. mitosis and cell cycle
- 13. genetic information processing
- 14. membrane transporter
- 15. stress defense
- 16. other
- 17. hypothetical