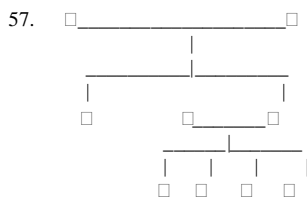


**DESIGNER GENES \* SOUTHERN POLY REGIONAL 2006**

**Answer Key**

- |       |              |   |
|-------|--------------|---|
| 1. B  | 20. F        | 39. all white   |
| 2. B  | 21. T        | 40. 1/48  |
| 3. A  | 22. F        | 41. homozygous recessive for both (ww ss or all lower case letters) |
| 4. B  | 23. D        | 42. tan, red  |
| 5. A  | 24. A        | 43. tan, red  |
| 6. A  | 25. A        | 44. 0   |
| 7. B  | 26. A        | 45. male  |
| 8. C  | 27. A        | 46. restriction enzyme  |
| 9. C  | 28. A        | 47. 2.3   |
| 10. C | 29. C        | 48. 42  |
| 11. C | 30. 1/2      | 49. 21  |
| 12. C | 31. 3/64     | 50. 42  |
| 13. C | 32. dominant | 51. 16  |
| 14. C | 33. 1/4      | 52. 240   |
| 15. F | 34. 1/8      | 53. A B D C   |
| 16. F | 35. 9/64     | 54. C   |
| 17. F | 36. 0        | 55. 3   |
| 18. F | 37. 1/16     | 56. 2   |
| 19. T | 38. 3/8      |   |



58. 99010

59. 99011

60. male