

Scenario (4)

| | | |
|-----------------------|------------------|------------------------|
| <u>Auto-Ree</u> | <u>Auto-Ree</u> | <u>Auto-Ree</u> |
| <u>Aff</u> <u>Nor</u> | Anna (Normal) | Jackson (Deaf) |
| a/a A/- | ○ | ▨ |
| | A/- B/- | A/- B/b b/b |
| | | <u>Auto-Ree</u> |
| | | <u>Aff</u> <u>Nor</u> |
| | | b/b B/- |

| | A/- B/- | x | A/- b/b | P(Deaf) |
|---------|---------|---|---------|---------|
| ★ (4.1) | A/A B/B | x | A/A b/b | 0 |
| (4.2) | A/A B/B | x | A/a b/b | 0 |
| ★ (4.3) | A/a B/B | x | A/A b/b | 0 |
| (4.4) | A/a B/B | x | A/a b/b | 1/4 |
| (4.5) | A/A B/b | x | A/A b/b | 1/2 |
| (4.6) | A/A B/b | x | A/a b/b | 2/4 |
| (4.7) | A/a B/b | x | A/A b/b | 2/4 |
| (4.8) | A/a B/b | x | A/a b/b | 5/8 |

★ most likely genotype
 A/- B/B x A/A b/b
 ↑ not carrier ↑