

Super Strawberry Answer Key

Base Pairings

Marker A: GGTTGGTTCGCGA = binds to gene for High Level of Vitamin C
CCAACCAAGCGCT

Marker B: CTAGACCTTAATATTA = binds to gene for Extended Shelf Life
GATCTGGAATTATAAT

Marker C: TCTAAAATT = binds to gene for Super Sweet Taste
AGATTTTAA

Marker D: GTCGTTTCTCT = binds to gene for Fuzziness
CAGCAAAGAGA

Marker E: ATGCCAGCTAGT = binds to gene for Jumbo Size
GACGGGTCGATCA

Marker F: GCTTATTACCGTCT = binds to gene for Small Size
CGAATAATGGCAGA

Marker H: GGGCCTGGTT = binds to gene for Pink Flesh
CCCGGACCAA

Marker I: GAAGCCTTCGGTT = binds to gene for Disease Resistance
CTTCGGAAGCCAA

Marker J: ATCCCGAGCTAGT = binds to gene for Chocolate Flavor
TAGGGCTCGATCA

Marker K: TTCTAACGGA = binds to gene for Minty Flavor
AAGATTGCCT

Single Stranded DNA Sequences

Strawberry Plant 1

AAAACGACTTCGGAAGCCAATTTACGCGCGAATTACCGAATCCGGGCCTCTCGCCCT
TTCCCGGAATTTATTACCGGT

Disease Resistant

Strawberry Plant 2

TTCTCGCCTAATTACGACTTCGACCCAAATTGGAATTAACCAACCAACCAAGCGCTG
CTAAAGCTGCTGCATGCCTGG

High Level of Vitamin C

Super Strawberry Answer Key *(continued)*

Strawberry Plant 3

TCCCGCTTTCGCTATTAGGGCTCGATCAGGATATAGCCAACCTTCCGAGCATCGATG
AATAGGATCCATGGATTAGAT

Chocolate Flavor

Strawberry Plant 4

AAACCGATAGATAGATTTTAAAAAAAAAAGTTTAGATAGATAGATAGATAGACCGCT
ATAGCAGCAAAGAGATTATTA

Super Sweet Taste and Fuzziness