This data matrix represents 50 DNA samples x 67 SNP 'SL' markers (Van Deynze et al., 2007[†]). Heterozygous sites are designated by IUPAC codes, missing data are coded as N.

| PI no. | DNA sample | SL10771 | SL10437 | SL10192 | SL10120 | SL10153 | SL10184 | SL10187 | SL10591 | SL10556 | SL10238 | SL10649 | SL10736 | SL10781 | SL10915 | SL10809 | SL10004 | SL10526 | SL10375 | SL10485 | SL10554 | SL10215 | SL20017 | SL10678 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PI 97538 | 1 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | R | C | C | A | C | A | A | N | G |
| PI 98097 | 2 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | A | G |
| PI 99782 | 3 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 109834 | 4 | T | A | T | G | G | T | Y | T | T | C | A | T | N | G | G | Y | C | A | A | N | G | A | T |
| PI 117563 | 5 | T | A | C | A | G | T | C | T | C | C | G | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 118783 | 6 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | A | C | C | A | C | A | A | G | G |
| PI 121662 | 7 | T | A | C | A | G | T | Y | T | C | C | R | Y | C | S | G | Y | C | T | C | A | A | R | G |
| PI 124035 | 8 | T | A | C | A | G | T | C | T | C | C | A | T | N | C | G | C | N | N | C | A | G | G | N |
| PI 124037 | 9 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 125831 | 10 | T | A | N | A | G | T | C | T | C | C | A | N | C | C | G | C | C | A | C | A | G | R | G |
| PI 127820 | 11 | T | W | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | T | C | A | R | G | G |
| PI 127825 | 12 | Y | A | C | A | G | T | T | T | Y | C | R | T | C | C | G | Y | C | A | M | A | R | R | G |
| PI 128586 | 13 | Y | A | C | A | G | T | C | T | Y | C | R | Y | C | C | G | T | C | T | C | A | R | R | G |
| PI 128592 | 14 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | R | G | G |
| PI 129026 | 15 | T | W | Y | A | G | T | C | T | C | C | R | T | M | C | G | C | C | A | C | A | R | A | G |
| PI 129033 | 16 | N | A | T | A | N | C | T | T | C | C | A | T | A | C | G | C | C | A | A | A | A | A | G |
| PI 129084 | 17 | T | A | C | G | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 129128 | 18 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | M | A | R | R | G |
| PI 129142 | 19 | T | A | C | R | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | R | G |
| PI 155372 | 20 | T | A | T | A | G | T | C | T | C | C | A | T | C | C | R | Y | C | A | C | A | R | G | K |
| PI 157993 | 21 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 158760 | 22 | T | A | C | A | N | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 159009 | 23 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 159198 | 24 | T | A | C | A | G | N | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 196297 | 25 | T | A | Y | A | G | Y | C | T | C | C | A | T | C | C | G | C | C | W | M | A | A | R | G |
| PI 212062 | 26 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | T | C | A | A | A | G |
| PI 258474 | 27 | T | A | C | A | G | T | Y | T | C | C | A | T | M | C | G | C | C | A | M | A | R | R | G |
| PI 258478 | 28 | C | T | C | G | T | C | T | T | T | C | G | C | A | G | G | T | C | A | A | A | A | A | T |
| PI 262995 | 29 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | A | G | G |
| PI 268107 | 30 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | A | G | G |
| PI 270206 | 31 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 270408 | 32 | T | A | C | N | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | A | G | G |
| PI 270430 | 33 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 272703 | 34 | N | A | C | A | G | T | C | T | C | N | A | T | C | C | G | C | C | A | N | A | G | G | G |
| PI 281555 | 35 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 291337 | 36 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 294638 | 37 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | A | G | G |
| PI 341134 | 38 | T | A | C | A | N | T | C | T | C | C | A | T | A | G | G | C | C | N | C | A | G | G | G |
| PI 390510 | 39 | T | A | C | R | G | C | T | T | C | C | R | T | C | G | G | C | C | A | A | A | A | R | G |
| PI 406952 | 40 | N | A | C | A | G | T | C | T | C | C | A | T | C | C | N | C | C | N | C | A | A | G | G |
| PI 452026 | 41 | T | A | C | G | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 452027 | 42 | T | A | C | A | G | T | C | T | Y | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 505317 | 43 | N | A | C | G | G | T | C | T | C | C | G | T | A | G | G | C | C | A | C | A | G | G | G |
| PI 600920 | 44 | T | T | C | G | G | T | C | A | T | N | G | T | A | G | A | C | G | A | C | A | A | A | G |
| PI 647305 | 45 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 647445 | 46 | C | A | C | G | T | T | C | T | C | C | A | T | A | G | G | C | C | A | C | A | G | A | G |
| PI 647447 | 47 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | A | A | A | G | G |
| PI 647486 | 48 | T | A | C | A | G | T | C | T | C | C | A | T | C | C | G | C | C | A | C | A | G | G | G |
| PI 647556 | 49 | T | T | C | G | G | C | C | A | T | N | G | T | A | G | N | T | G | T | A | A | A | G | G |
| PI 647566 | 50 | T | A | C | G | G | T | C | T | C | C | A | T | A | G | G | C | C | A | C | A | A | A | G |

[†]Van Deynze A, Stoffel K, Buell CR, Kozik A, Liu J, van der Knaap E and Francis D (2007) Diversity in conserved genes in tomato. BMC Genomics 8:465

| DNA sa | SL10024 | SL10322 | SL10450 | SL10469 | SL10075 | SL10346 | SL10347 | SL10963 | SL10136 | SL10162 | SL20023 | SL10909 | SL10018 | SL10385 | SL20181 | SL10768 | SL10807 | SL20059 | SL10790 | SL10831 | SL10242 | SL10102 | SL10373 | SL20097 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** | N | M | A | C | T | A | G | R | T | Y | T | C | C | G | G | N | N | C | C | N | T | N | C | N |
| **2** | G | C | A | C | T | A | G | G | T | T | T | C | T | G | G | C | A | C | T | T | T | A | C | T |
| **3** | G | C | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | T | T | T | A | C | T |
| **4** | K | C | A | C | T | A | A | G | T | C | T | C | T | G | R | C | T | C | C | C | T | A | C | T |
| **5** | G | C | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | C | T | T | A | C | T |
| **6** | G | C | A | C | T | A | G | R | T | T | T | C | T | G | G | C | W | C | T | T | T | A | C | T |
| **7** | G | C | R | C | T | A | G | G | Y | T | T | C | Y | R | R | C | A | M | C | Y | T | R | C | T |
| **8** | G | C | N | C | T | N | G | N | Y | T | T | C | C | G | G | C | A | N | N | T | N | A | C | N |
| **9** | G | C | A | C | C | A | G | G | N | T | T | C | C | G | G | N | N | C | Y | T | T | N | C | T |
| **10** | G | C | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | Y | T | T | A | C | T |
| **11** | G | C | R | C | T | A | G | R | Y | Y | T | Y | C | R | R | C | T | C | C | T | T | A | C | T |
| **12** | G | C | G | C | T | A | R | G | Y | C | T | Y | Y | A | G | C | A | A | T | T | T | R | C | T |
| **13** | G | C | R | C | Y | W | R | G | Y | T | T | Y | Y | R | G | C | A | C | Y | T | T | R | C | T |
| **14** | G | C | A | C | T | A | G | G | T | T | T | C | Y | G | G | C | A | C | C | T | T | A | C | T |
| **15** | G | C | A | C | T | W | G | R | T | Y | T | C | T | G | G | C | A | C | Y | C | T | R | C | T |
| **16** | G | C | A | C | T | N | G | N | C | C | T | C | T | G | G | T | A | A | C | C | A | G | N | T |
| **17** | G | C | A | C | T | A | G | G | T | N | T | C | T | G | G | N | N | C | C | C | T | N | C | T |
| **18** | G | C | A | C | Y | T | G | R | T | Y | T | C | Y | G | G | C | W | C | C | T | T | G | C | T |
| **19** | G | M | A | C | Y | A | G | G | T | Y | T | C | T | G | G | C | A | C | T | Y | T | A | C | T |
| **20** | K | N | A | C | T | A | G | R | T | Y | T | C | C | G | R | C | T | C | Y | T | T | A | C | T |
| **21** | G | A | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | T | T | T | A | C | T |
| **22** | G | A | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | C | T | T | A | C | T |
| **23** | G | A | A | C | C | A | G | G | T | C | T | C | C | G | G | C | A | C | T | T | T | A | C | T |
| **24** | G | A | A | C | T | N | G | G | Y | T | T | C | Y | G | G | C | T | C | T | T | T | A | C | T |
| **25** | G | C | A | C | T | A | G | R | T | C | T | C | T | G | G | N | A | C | T | T | T | N | C | N |
| **26** | G | C | A | C | T | A | G | A | T | C | T | C | T | G | G | C | A | C | C | C | T | G | C | T |
| **27** | G | M | A | C | T | T | G | R | T | C | T | C | C | G | G | C | A | C | C | Y | T | R | C | T |
| **28** | G | C | G | C | T | A | A | G | T | T | A | T | T | A | A | T | T | A | T | C | T | A | C | T |
| **29** | G | A | A | C | T | A | G | G | T | C | T | C | C | G | G | C | A | C | T | T | T | A | C | T |
| **30** | G | C | A | C | C | A | G | G | T | T | T | C | C | G | G | C | A | C | C | T | T | A | C | T |
| **31** | G | C | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | Y | T | T | A | C | T |
| **32** | G | C | A | C | T | N | G | G | T | T | T | C | T | G | G | C | A | C | T | C | T | A | C | T |
| **33** | G | C | A | C | T | A | G | R | T | C | T | C | N | G | G | N | A | C | C | C | T | A | C | T |
| **34** | G | C | A | C | C | A | G | G | T | C | T | C | C | G | G | C | T | C | Y | C | T | A | C | T |
| **35** | G | C | A | C | T | A | G | G | T | Y | T | C | C | G | G | C | A | C | T | T | T | A | C | T |
| **36** | G | M | A | C | C | A | G | G | T | Y | T | C | C | G | G | C | A | C | Y | T | T | A | C | T |
| **37** | G | A | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | T | T | T | A | C | T |
| **38** | G | C | A | C | C | A | G | G | N | T | T | C | T | G | G | C | A | C | C | C | T | A | C | T |
| **39** | G | C | A | C | T | W | G | R | T | C | T | Y | T | G | A | Y | A | M | C | C | W | G | C | T |
| **40** | G | C | A | C | T | A | G | A | C | T | T | C | C | G | G | C | A | C | T | T | T | A | C | T |
| **41** | G | C | A | C | C | A | G | G | T | T | T | C | N | G | G | C | A | C | T | T | T | A | C | T |
| **42** | G | N | A | C | T | A | G | G | T | T | T | C | C | G | G | Y | A | C | Y | Y | T | A | C | T |
| **43** | G | A | A | C | T | A | G | G | T | T | T | C | C | G | G | C | A | C | C | C | T | A | C | T |
| **44** | N | C | G | A | T | A | G | G | C | T | A | T | C | A | G | C | T | C | C | C | T | A | T | A |
| **45** | G | C | A | C | T | A | G | G | T | T | T | C | C | G | G | Y | W | M | Y | T | T | A | C | T |
| **46** | G | A | A | C | C | A | G | N | T | T | T | C | C | G | G | C | A | A | C | C | T | A | C | T |
| **47** | G | C | A | C | Y | A | A | G | T | C | T | C | C | G | G | C | A | C | C | C | T | A | C | T |
| **48** | G | A | A | C | T | A | G | G | N | T | T | C | C | G | G | C | A | C | C | T | T | A | N | T |
| **49** | T | C | G | A | T | A | A | G | T | T | A | C | T | A | G | T | A | C | C | C | T | A | T | A |
| **50** | G | A | A | C | C | A | G | G | T | T | T | C | C | G | G | C | A | C | C | C | T | A | C | T |

| DNA sa | SL20028 | SL10396 | SL10206 | SL10190 | SL10793 | SL10432 | SL10043 | SL10494 | SL10205 | SL10401 | SL10639 | SL10670 | SL10386 | SL20159 | SL10801 | SL10019 | SL10138 | SL10471 | SL20127 | SL10778 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** | T | Y | C | G | C | T | A | T | C | N | A | A | G | A | C | A | N | R | C | G |
| **2** | T | Y | C | G | C | T | A | T | C | A | A | A | G | A | C | G | T | G | C | G |
| **3** | T | C | C | G | C | T | A | T | C | W | A | A | G | A | C | G | T | G | C | G |
| **4** | A | C | C | G | C | G | T | C | C | T | A | R | G | M | C | G | T | G | C | R |
| **5** | T | Y | C | G | T | K | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **6** | T | Y | C | G | C | K | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **7** | W | N | C | G | Y | K | W | T | C | T | A | R | G | A | C | G | T | G | C | R |
| **8** | T | N | C | N | N | T | A | C | C | T | A | A | G | M | C | G | T | G | C | G |
| **9** | T | C | C | G | C | K | A | C | C | N | A | A | G | A | C | A | T | G | C | G |
| **10** | T | C | C | G | C | T | A | Y | C | W | A | A | G | A | C | G | T | G | C | G |
| **11** | T | C | C | G | C | G | A | T | C | W | A | G | G | A | C | R | T | G | C | R |
| **12** | A | C | C | G | Y | K | W | T | C | A | A | A | G | A | C | G | T | G | C | R |
| **13** | W | C | C | G | T | K | A | T | C | W | A | R | G | M | C | G | T | R | C | R |
| **14** | T | C | C | G | C | G | A | C | C | W | A | A | G | A | C | G | T | G | C | G |
| **15** | T | Y | C | G | C | K | W | T | C | A | A | R | G | A | C | G | T | G | C | G |
| **16** | T | N | C | G | C | G | T | T | C | A | A | G | G | N | C | G | T | G | C | A |
| **17** | T | T | N | G | C | G | A | T | C | A | A | A | G | A | C | R | T | G | C | G |
| **18** | T | Y | Y | G | C | G | W | Y | C | T | A | A | G | A | C | G | T | G | C | G |
| **19** | T | C | C | G | C | G | A | T | C | W | A | A | G | A | C | G | T | G | C | G |
| **20** | T | C | C | G | C | K | W | T | C | T | N | A | G | A | C | G | T | G | C | R |
| **21** | T | C | C | G | C | T | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **22** | T | T | C | G | C | G | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **23** | T | T | C | G | C | G | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **24** | T | Y | C | G | N | T | A | T | C | T | A | N | G | A | C | G | T | G | C | G |
| **25** | N | T | T | G | C | K | A | N | C | W | A | A | G | A | C | G | T | G | C | G |
| **26** | T | T | C | G | C | T | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **27** | T | C | C | G | C | G | W | C | C | T | A | G | G | A | C | G | T | G | C | G |
| **28** | A | C | C | G | T | G | T | T | C | T | A | G | T | C | C | A | T | G | C | A |
| **29** | T | C | C | G | C | T | A | C | C | T | A | N | G | A | C | G | T | G | C | G |
| **30** | T | C | C | G | C | G | N | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **31** | T | C | C | G | C | G | A | C | C | T | A | A | G | A | C | G | T | G | C | G |
| **32** | T | C | T | G | N | T | A | T | C | T | A | A | G | M | C | G | T | G | C | G |
| **33** | T | T | C | G | C | G | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **34** | T | C | C | G | C | T | A | C | C | T | A | A | N | A | C | G | T | G | C | G |
| **35** | N | C | C | G | C | G | A | N | C | T | A | A | G | A | C | G | T | G | C | G |
| **36** | T | T | C | G | C | G | A | C | C | T | A | A | G | A | C | G | T | G | C | G |
| **37** | T | C | C | G | C | T | A | C | C | T | A | A | G | A | C | G | T | G | C | G |
| **38** | T | C | C | G | C | G | A | T | C | T | A | A | N | N | N | A | N | N | N | N |
| **39** | T | C | C | G | C | G | T | T | C | W | A | G | G | A | C | G | T | G | C | G |
| **40** | T | T | C | G | N | G | N | T | C | T | A | A | G | M | C | G | T | G | C | G |
| **41** | T | C | C | G | C | G | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **42** | T | C | Y | G | C | T | A | Y | C | T | A | A | G | A | C | G | T | G | C | G |
| **43** | T | T | C | G | T | T | A | C | C | T | A | A | G | A | C | G | T | G | C | G |
| **44** | T | C | C | G | T | T | T | C | C | A | G | A | G | A | C | A | T | G | C | G |
| **45** | T | C | C | G | C | G | A | C | C | T | A | A | G | A | C | G | T | G | C | G |
| **46** | T | C | C | G | C | T | A | T | C | T | A | A | G | A | C | G | T | G | C | G |
| **47** | A | C | C | G | C | T | T | C | C | T | A | A | G | A | C | G | T | G | C | G |
| **48** | N | C | C | G | C | T | A | T | C | T | A | N | N | C | C | G | T | G | C | G |
| **49** | A | C | C | G | T | N | T | C | C | T | G | A | G | C | T | G | T | A | C | G |
| **50** | T | T | C | G | C | T | A | C | C | T | A | A | G | M | C | G | T | G | C | G |