**Table S1:** Name and origin of the 56 studied chickpea’s genotypes.

*(NCR: National Chickpea Repository).*

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference in gene bank** | **Origin** | **Name (local denomination)** | **Pedigree** |
| NCR\_1 | ICARDA | FLIP08-63C | X03TH 144/FLIP97-116CXFLIP97-32C |
| NCR\_2 | Algeria | Unknown | Unknown |
| NCR\_6 | Argentina | Unknown | Unknown |
| NCR\_7 | Algeria | Unknown | Unknown |
| NCR\_8 | Algeria (Mila) | Unknown | Unknown |
| NCR\_11 | Algeria (Medea) | Unknown | Unknown |
| NCR\_12 | Algeria (Mila) | Unknown | Unknown |
| NCR\_13 | Algeria (Sidi Bel Abbes) | Medlabdi 1 | Unknown |
| NCR\_18 | Algeria | Unknown | Unknown |
| NCR\_19 | Algeria (Tiaret) | Unknown | Unknown |
| NCR\_20 | Algeria (Tiaret) | Unknown | Unknown |
| NCR\_24 | Algeria (Constantine) | Unknown | Unknown |
| NCR\_27 | ICARDA | FLIP05-43C (Tafna) | X2000TH 39/FLIP98-29CXS99001 |
| NCR\_28 | Algeria (Sidi Belabbes) | Medlabdi 4 | Unknown |
| NCR\_34 | Algeria (Guelma) | Unknown | Unknown |
| NCR\_37 | Algeria (Guelma) | Unknown | Unknown |
| NCR\_38 | Algeria (Souk Ahras) | Souk Ahras | Unknown |
| NCR\_39 | ICARDA | FLIP07-96C (Tikejda) | X03TH 125/FLIP 97-131CXFLIP 97-111C |
| NCR\_40 | ICARDA | FLIP07-268C (Beni Aziz) | X02TH 61/FLIP99-67CXLebanes-1 |
| NCR\_42 | Algeria (Sidi Belabbes) | Medlabdi 3 | Unknown |
| NCR\_44 | ICARDA | FLIP05-42C | X2000TH 35/FLIP98-29CXS99442 |
| NCR\_48 | Russia | ILC 32/79 (Chettoui 1) | Unknown |
| NCR\_51 | ICARDA | FLIP93-93C (Oued Rhumel) | X89TH258/ (FLIP 85-122CXFLIP 82-150C)/FLIP 86-77C |
| NCR\_55 | Algeria | Mostaganem | Unknown |
| NCR\_56 | Algeria | Setif | Unknown |
| NCR\_58 | ICARDA | FLIP88-85C (Ghab 5/ Ain Zada) | X85 TH143/ILC 629 x FLIP 82-144C |
| NCR\_59 | Spain | Unknown | Unknown |
| NCR\_64 | Algeria | Oued Massine | Unknown |
| NCR\_65 | Algeria (Sidi Bel Abbes) | Medlabdi 2 | Unknown |
| NCR\_67 | Algeria (Guelma) | Unknown | Unknown |
| NCR\_68 | ICARDA | FLIP02-21C | FLIP93-62 x  FLIP85-44C |
| NCR\_72 | ICARDA | FLIP05-93C | X2000TH 32/FLIP98-129CXS99093 |
| NCR\_75 | ICARDA | FLIP05-137C | X2000TH 168/L551XFLIP98-129C |
| NCR\_76 | ICARDA | FLIP01-29C (Makerra) | X96TH23-1-BH-16-1(FLIP93-146C x FLIP93-98C) |
| NCR\_77 | ICARDA | FLIP05-156C | X2001TH 23/(FLIP98-132CXS99093XFLIP98-9C |
| NCR\_81 | Algeria (Medea) |  | U |
| NCR\_82 | ICARDA | FLIP08-42C (El Ogbane) | X01TH67/X00TH178XFLIP98-10 |
| NCR\_88 | ICARDA | FLIP 82-150C (Ghab 3) | X79TH101/ILC 523 X ILC 183 |
| NCR\_90 | INDIA | FLIP84-92C (Beni Chograne) | ILC 72 x ILC 215 |
| NCR\_96 | Algeria (Medea) | Unknown | Unknown |
| NCR\_97 | Algeria (Bouira) | Unknown | Unknown |
| NCR\_99 | Mexico | Unknown | Unknown |
| NCR\_103 | Algeria (Medea)  | Unknown | Unknown |
| NCR\_110 | Algeria (Skikda) | Unknown | Unknown |
| NCR\_112 | Algeria (Ain Temouchent) | Unknown | Unknown |
| NCR\_113 | ICARDA | Unknown | Unknown |
| NCR\_119 | ICARDA | FLIP90-13C (Serraidi) | S90017((Pl.Se.Be. 81-40 x ILC 195) x FLIP 84-46C) |
| NCR\_120 | Mexico | Unknown | Unknown |
| NCR\_124 | Algeria (El Taref) | Unknown | Unknown |
| NCR\_130 | Algeria (Ain Temouchent) | Unknown | Unknown |
| NCR\_136 | ICARDA | Unknown | Unknown |
| NCR\_138 | Algeria (Ain Temouchent) | Unknown | Unknown |
| NCR\_144 | Algeria (Tlemcen) | Unknown | Unknown |
| NCR\_145 | Algeria (Medea) | Unknown | Unknown |
| NCR\_147 | Algeria (Medea) | Unknown | Unknown |
| NCR\_148 | ICARDA | Unknown | Unknown |