**Genetic diversity of avocado (*Persea americana* Mill.) germplasm using pooled sequencing.**

Supplementary materials

**Table S1**. The Agricultural Research Organization (ARO) avocado collection.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample name | Accession | Country of origin | Category | Reference |
| Avo-84 | El Pino | Honduras | West-Indian |  [1] |
| Avo-16 | Rirotonga A | Malaysia | West-Indian |  [1] |
| Avo-62 | Hojancha 2 | Costa Rica | West-Indian |  [1] |
| Avo-1 | Miremar | Costa Rica | West-Indian |  [1] |
| Avo-78 | Argui 1 | Canary Island | West-Indian |  [1] |
| Avo-15 | Gordienko 1 | Costa Rica | West-Indian |  [1] |
| Avo-8 | Puerto Jimenez | Costa Rica | West-Indian |  [1] |
| Avo-47 | Huixtla | Mexico | West-Indian |  [1] |
| Avo-2 | Tela 2 | Honduras | West-Indian |  [1] |
| Avo-30 | Amatlan | Mexico | West-Indian |  [1] |
| Avo-75 | S. Javier 8 | Canary Island | West-Indian |  [1] |
| Avo-18 | Tantima 2 | Mexico | West-Indian |  [1] |
| Avo-3 | Tapachula | Mexico | West-Indian |  [1] |
| Avo-6 | San Sebastian11 | Mexico | West-Indian |  [1] |
| Avo-82 | Arbol 1 | Panama | West-Indian |  [1] |
| Avo-74 | S. Javier 1 | Canary Island | West-Indian |  [1] |
| Avo-19 | Orizaba 3 | Mexico | West-Indian |  [1] |
| Avo-11 | Avocatosa 2 | Mexico | West-Indian |  [1] |
| Avo-4 | Tela 3 | Honduras | West-Indian |  [1] |
| Avo-20 | Frowe | USA | West-Indian |  [1] |
| Avo-12 | Guzman | Mexico | West-Indian |  [1] |
| Avo-58 | Urdesa S | Ecuador | West-Indian |  [1] |
| Avo-160 | Antigua | Mexico | West-Indian |  [1] |
| Avo-32 | P.i.s. 6915 | USA | Unidentified |  [1] |
| Avo-77 | El Cercado | Spain | Unidentified |  [1] |
| Avo-46 | Irigaray 141 | Costa Rica | Unidentified |  [1] |
| Avo-85 | Aguacate de monte | Costa Rica | Unidentified |  [1] |
| Avo-33 | Maskaria 1 | Ecuador | Unidentified |  [1] |
| Avo-76 | La Piscina | Spain | Unidentified |  [1] |
| Avo-61 | Los Angeles 3 | Costa Rica | Unidentified |  [1] |
| Avo-45 | Irigaray 148 | Costa Rica | Unidentified |  [1] |
| Avo-86 | Fredi 5 | Costa Rica | Unidentified |  [1] |
| Avo-22 | P. americana. H1-72 | Honduras | Unidentified |  [1] |
| Avo-56 | Marichal | Costa Rica | Unidentified |  [1] |
| Avo-26 | Apakia 1 | Ecuador | Unidentified |  [1] |
| Avo-87 | M. Pedro 2 |  | Unidentified |  [1] |
| Avo-80 | El Charco 17 | Spain | Unidentified |  [1] |
| Avo-13 | El Venado | Mexico | Unidentified |  [1] |
| Avo-35 | Guat 1 | Ecuador | Unidentified |  [1] |
| Avo-59 | Guacimal | Costa Rica | Unidentified |  [1] |
| Avo-81 | El Charco 1 | Spain | Unidentified |  [1] |
| Avo-54 | Basaldua | Mexico | Mexican |  [1] |
| Avo-38 | Km 43 | Mexico | Mexican |  [1] |
| Avo-55 | Aguacatitlan | Mexico | Mexican |  [1] |
| Avo-53 | Tezuitlan | Mexico | Mexican |  [1] |
| Avo-60 | Tochomilco 1 | Mexico | Mexican |  [1] |
| Avo-52 | Guayabamba | Ecuador | Mexican |  [1] |
| Avo-57 | Rio Negro 1 | Ecuador | Mexican |  [1] |
| Avo-49 | Aquila 2 | Mexico | Mexican |  [1] |
| Avo-51 | Gainsville | USA | Mexican |  [1] |
| Avo-50 | Banos | Ecuador | Mexican |  [1] |
| Avo-39 | Sholola 1 | Mexico | Guatemalan |  [1] |
| Avo-24 | San Marcos 1 | Guatemala | Guatemalan |  [1] |
| Avo-31 | Comitan 3 | Mexico | Guatemalan |  [1] |
| Avo-23 | Puerto Viejo | Costa Rica | Guatemalan |  [1] |
| Avo-40 | Comitan 1 | Mexico | Guatemalan |  [1] |
| Avo-37 | Amatenango | Mexico | Guatemalan |  [1] |
| Avo-79 | Egami | USA | Guatemalan |  [1] |
| Avo-41 | Nochan 3 | Guatemala | Guatemalan |  [1] |
| Avo-83 | San Rafael | Guatemala | Guatemalan |  [1] |
| Avo-44 | San Marcos 2 | Guatemala | Guatemalan |  [1] |
| Avo-29 | Cuevas | Mexico | Guatemalan |  [1] |
| Avo-21 | Rollie | USA | Guatemalan |  [1] |
| Avo-42 | S.Cristobal Mer. 35 | Mexico | Guatemalan |  [1] |
| Avo-43 | S.Cristobal Mer. 36 | Mexico | Guatemalan |  [1] |
| Avo-88 | Aguacate de Anis | Honduras | Guatemalan |  [1] |
| Avo-36 | Sholola 6 | Mexico | Guatemalan |  [1] |
| Avo-28 | Palestina | Guatemala | Guatemalan |   [1] |
| Avo-92 | Hass | California, USA | Cultivar | Guatemalan [2]; Mexican X Guatemalan [3]; Guatemalan [4]; Mexican X Guatemalan [5] |
| Avo-69 | Adi | Israel | Cultivar | Guatemalan [2]; Mexican X Guatemalan [6] |
| Avo-71 | Ettinger | Israel | Cultivar | Mexican X Guatemalan[2]; Mexican X Guatemalan [4] |
| Avo-66 | Bar | Israel | Cultivar | Mexican X Guatemalan [7] |
| Avo-73 | Reed | California, USA | Cultivar | Guatemalan [2]; Guatemalan [5] |
| Avo-65 | Moti | Israel | Cultivar | Guatemalan [7] |
| Avo-131 | Naor | Israel | Cultivar | Mexican X Guatemalan [7] |
| Avo-124 | Pinkerton | California, USA | Cultivar | Mexican X Guatemalan [2]; Mexican X Guatemalan [4]; Guatemalan (Chen et al., 2009) |
| Avo-108 | Iriet | Israel | Cultivar | Guatemalan [2]; Mexican X Guatemalan [8] |
| Avo-154 | Lavi | Israel | Cultivar | Mexican X Guatemalan [7] |
| Avo-90 | Edranol | California, USA | Cultivar | Guatemalan [2] |
| Avo-123 | Fuerte | Mexico | Cultivar | Mexican X Guatemalan (Lahav and Gazit, 1994); Mexican X Guatemalan (Ashworth and Clegg, 2003); Mexican (Chen et al., 2009)  |
| Avo-155 | Gem | California, USA | Cultivar | Mexican X Guatemalan (Ashworth and Clegg, 2003) |
| Avo-89 | Zutano | California, USA | Cultivar | Mexican X Guatemalan (Lahav and Gazit, 1994); Mexican (Ashworth and Clegg., 2003); Mexican X Guatemalan (Chen et al., 2009) |
| Avo-125 | Ardith | California, USA | Cultivar | Guatemalan X Mexican (Lahav and Gazit, 1994) |
| Avo-145 | Galil | Israel | Cultivar | Mexican [8] |
| Avo-129 | Red Label | California, USA | Cultivar |  |
| Avo-114 | Horshim | Israel | Cultivar | Mexican X Guatemalan [2] |
| Avo-99 | Withsell | California, USA | Cultivar | Guatemalan [2]; Mexican X Guatemalan [5] |
| Avo-140 | Noble (BL667) | California, USA | Cultivar | Mexican X Guatemalan [4] |
| Avo-159 | Arad | Israel | Cultivar | Mexican X Guatemalan [2]; Mexican X Guatemalan [6] |
| Avo-102 | Teague | Israel | Cultivar | Mexican [2]; Mexican X Guatemalan [5] |
| Avo-121 | Bacon | California, USA | Cultivar | Mexican X Guatemalan [2]; Mexican X Guatemalan [4]; Guatemalan [5] |
| Avo-98 | Esther | California, USA | Cultivar | Guatemalan [2]; Guatemalan [5] |
| Avo-141 | N-151-2 | California, USA | Cultivar | Guatemalan [2] |
| Avo-143 | Gwen | California, USA | Cultivar | Guatemalan X Mexican [2]; Guatemalan X Mexican [4]; Guatemalan [5] |
| Avo-103 | Sharwil | Australia | Cultivar | Guatemalan [2] |
| Avo-96 | Wurtz | California, USA | Cultivar | Guatemalan X Mexican [2] |
| Avo-112 | Benik | Guatemala | Cultivar | Guatemalan [2] |
| Avo-104 | Shepard | Australia | Cultivar | Guatemalan (http://www.ucavo.ucr.edu) |
| Avo-97 | Lamb Hass (BL122) | California, USA | Cultivar | Mexican X Guatemalan [4] |
| Avo-142 | Oshri | Israel | Cultivar | Mexican [2] |

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