

Optimality criterion set to distance.

Neighbor-joining search settings:

Ties (if encountered) will be broken systematically  
Distance measure = mean character difference  
(Tree is unrooted)

Tree found by neighbor-joining method stored in tree buffer  
Time used = 0.97 sec

Neighbor-joining tree:

```
----- Pcespi MWC1802 Somalie      PHOENIX CAESPITOSA
|
|----- Pdacty dat102 Oman Feral
|
|----- Pdacty dat089 Fardh Oman
|
| /----+ /----- Pdacty JCP431 Bou Sthami Noire Maroc
| | \----+ \----- Pdacty dat042 Bou Sthami Noire Maroc
| |
| | \----- Pdacty JCP430 Zahidi Irak
| \
| | /----- Pdacty dat045 Nabut Seif Arabie      DACTYLIFERA
| \-----+
| | \----- Pdacty JCP432 Nabut Seif Arabie
|
| | /----- Pdacty Halaoui
| |
| | /----- Pdacty Okhet Halaoui
| /---+ /---+
| | | | \----- Pdacty Halaoui
| | | \---+
| | | | /----- Pdacty male T202      AGROLIGNEE HALAOUI (8)
| | /---+ \---+
| | | \----- Pdacty P3 277 Fils de Fardh
|
| /---+ \----- Pdacty D03005 Mâle Djibouti
|
| | /----- Pdacty D03011 Mâle Djibouti
| | \-----+
| | | \----- Pdacty D03013 Mâle Djibouti
|
| | /----- Pdac dat061 Syrie
| |
| | /+ /----- Pdacty I93034 San Remo
| | | \---+
| | | | \----- Pdacty I93040 San Remo
| | /---+
| | | | /----- Pdacty I93035 San Remo
| | | | \---+
| | | | \----- Pdacty I93058 San Remo
| | | |
| | | | /----- Pdac dat062 Barhi Syrie
| | | | /---+
| | | | | \----- Pdacty I93013 San Remo
| | | | /---+
| | | | | \----- Pdacty I93028 San Remo
| | | \---+
| | | | | /----- Pdacty I93002 San Remo
| | | | | /---+
| | | | | | \----- Pdacty I93012 San Remo
| | | | | |
| | | | | | /+----- Pdacty I93004 San Remo
| | | | | | |
| | | | | | | /----- Pdacty I93010 San Remo
| | | | | | \---+
| | | | | \---+
| | | | | | \----- Pdacty dat046 Zahidi Irak
| | | | | | |
| | | | | | | /----- Pdacty I93016 San Remo
| | | | | | \---+
| | | | | | \----- Pdacty I93039 San Remo
| | | | |
| | | | | /----- Pdacty I93038 San Remo
| | | | | |
| | | | | | /---+ /----- Pdacty I93044 San Remo
| | | | | | \---+
| | | | | | \----- Pdacty I93046 San Remo
| | | | \---+
| | | | | | /----- Pdacty I93011 San Remo
| | | | | | /---+
| | | | | | | \----- Pdacty I93062 San Remo
| | | | | | /---+
| | | | | | | \----- Pdacty I93036 San Remo
| | | | | | \---+
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| | \----- Pdacty I93041 San Remo
| |
| | /----- Pdacty Rhimia Tunisie
| | /---+
| | | \----- Pdac dat099 Abou Da'an Oman
| | /---+
| | | \----- Pdac dat101 Om is-Silla Oman
| | |
| | | /+ \--- Pdac dat065 Mabseli Oman
| | | /-----+
| | | | \----- Pdac dat100 Mabseli Oman      AGROLIGNEE KHALASS (11)
| | | \---+
| | | | /----- Pdac dat095 Madlouqi Oman
| | | \---+
| | | | \----- Pdac dat096 Barni Oman
| | |
| | | | /----- Pdac dat066 Qash Hamid bin Gharib
| | | |
| | | \---+ /----- Pdac dat090 Khalass Oman
| | | | |
| | | \---+ /----- Pdac dat094 Khalass Oman
| | | \---+
| | | \----- Pdacty P3 275 Khalass Arabie (col. Elche)
| |
| | /----- Pdacty Abou Maan Oman (col. Tunisie)
| | /---+
| | | \----- Pdacty P3 284 Nashu el Wahra Oman
| |
| | | /----- Pdac dat064 Jabri Oman
| | | | ----- Bounarinja Oman
| | | +--- /----- Pdac dat093 Hilali Oman
| | /---+
| | | \----- Pdacty P3 283 Hilali Oman
| | |
| | /+ \----- Pdac dat072 Hassass Oman
| |
| | \----- Pdacty P3 282 Seima Oman
| /---+
| | | /----- Pdac dat071 Nashu al Khashba Oman
| | |
| | \---+ /----- Pdac dat077 Naghal Hilali Oman
| | |
| | \---+ /----- PsyXda P3 285 Zabad Oman      ZABAD HYBRIDE
| | | \----- PsyXda P3 286 Zabad Oman
| | | | AGROLIGNEE CORE OMAN (19)
| | | | /--- Pdacty Khasab Oman (Col. Tunisie)
| | | | /---+
| | | | | \--- Pdac dat092 Khasab Oman
| | | | /-----+
| | | | | \--- Pdac dat088 Khasab Oman
| | | /---+
| | | | /----- Pdac dat069 Qash al Wali Oman
| | | |
| | | \--- Pdac dat074 Loulou Oman
| |
| | | /----- Pdac dat075 (Naghal Hilali) RAMLI Oman
| | | \---+
| | | \----- Pdacty Is01001 Golfe (cult. Israel)
| | /+ \---+
| | | /----- Pdac dat063 Barhi Oman
| | |
| | | | /----- Pdacty I93033 San Remo
| | | | /+ \---+
| | | | | \----- Pdacty C01004 La Palma feral (Canaries)
| | | | | /---+
| | | | | | \----- Pdacty C01002 La Palma feral (Canaries)
| | | | \---+ \---+
| | | | | \----- Pdacty C01003 La Palma feral (Canaries)      ISLAS CANARIAS
| | | |
| | | \----- Pdacty C01001 La Palma feral (Canaries)
| |
| | | /----- Pdacty JCP220 La Gomera feral (Canaries)
| | | \---+
| | | \----- Pdacty JCP212 Tenerife feral (Canaries)
| |
| | \----- Pdacty dat055 Hayani Egypte
| +
| | /----- Pdacty Tazerzit Safra Tunisie
| | |
| | | /----- Pdacty Tazerzit Soda Tunisie
| | |
| | | | /--- Pdacty khadrawi (Col. Tunisie)
| | | | | /---+
| | | | | | \--- Pdacty dat051 Khadrawi (Col. Elche)      KHRADHRAOUI
| | | | /---+
| | | | \----- Pdacty I93005 San Remo

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    |   |   |   |   |   /-
    |   |   |   |   | \----- Pdacty I93032 San Remo
    |   |   |   |   /-
    |   |   |   |   \+----- Pdacty I93008 San Remo
    |   |   |   |   /-
    |   |   |   |   \----- Pdacty I93020 San Remo
    |   |   \+----- /-
    |   |   |   |   \----- Pdacty I93009 San Remo
    |   \+----- /-
    |   |   |   |   \----- Pdacty I93042 San Remo
    |   |   |   \+
    |   |   |   \----- Pdacty I93029 San Remo
    |   |   |
    |   |   \----- Pdacty Tantabesht Algerie
    |   |   /
    |   |   \----- Pdac dat068 Qash Bismin Oman
    |   |   |
    |   \-----+ /----- Pdac dat091 Naghal Oman AGROLIGNEE NAGHAL (3)
    |   |   \-----+
    |   |   \----- Pdac dat098 Khori Oman
    |   |
    |   \----- Pdacty JCP390 Amsekshi Mauritanie
    |   /+
    |   | \----- Pdacty JCP394 Edagched Mauritanie
    /+ | /-
    |   |   | \----- Pdacty JCP391 Ahmar Mauritania AGROLIGNEE AHMAR (6)
    |   |   | \-----+
    |   |   \----- Pdacty JCP395 Tiguidert Mauritania
    |   |   | \----- Pdacty M01003 Ahmar Mauritania
    |   |   \-----+
    |   |   \----- Pdacty M01004 Emacine Mauritania
    |   |
    |   \----- Pdacty Bagou Tunisie
    |   /-
    |   | \----- Pdacty Chodak Tunisie
    |   /-
    |   | \----- Pdacty Deglet Ha Tunisie
    |   \-----+
    |   | \----- Pdacty male CRP6 Tunisie
    |   | \----- Pdacty male T150 Tunisie
    |   |
    |   \----- Pdacty Kenta Tunisie
    |   /-
    |   | \----- Pdacty Bouhat Tunisie
    |   /-
    |   | \----- Pdacty Om lal Tunisie
    |   /-
    |   | \----- Pdacty Ghars Tunisie
    |   \-----+
    |   \----- Pdacty Okhet Gou Tunisie
    |   |
    |   \----- Pdacty Horra Tunisie
    |   /-
    |   | \----- Pdacty male Bor3 Tunisie
    |   /-
    |   | \----- Pdacty F01002 La Croisette Cannes
    |   /-
    ++ | | \----- Pdacty Om Lag Tunisie
    |   | \-----+
    |   | \----- Pdacty male Bor2 Tunisie
    |   /+
    |   | \----- Pdacty JCP413 Bordighera
    |   | \-----+
    |   | \----- Pdacty JCP414 Bordighera
    |   | \-----+ /-
    |   | \----- Pdacty JCP423 Bordighera
    |   | \-----+
    |   \----- \----- Pdacty JCP420 Bordighera
    |   | \-----+ /-
    |   | \----- Pdacty JCP416 Bordighera
    |   | \-----+
    |   \----- \----- Pdacty JCP417 Bordighera
    |   |
    |   \----- Pdacty JCP415 Bordighera
    |   |
    |   \----- / Pdacty DNour1 Tunisie
    |   /-
    |   | \----- Pdacty DNour2 Tunisie
    |   /-
    |   | \--- Pdacty DNourCIV Tunisie
    |   /+
    |   | \----- Pdacty Okhet Degla Tunisie
    |   /-
    |   | \-----/.- Pdacty T138m Tunisie
    |   | \-----+

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|           /+          \-- Pdacty male CRP2 Tunisie
|           ||
|           /--+\----- Pdacty Khalt Ess Tunisie
|           |
|           | \----- Pdacty F01001 La Croisette Cannes AGROLIGNEE DEGLET NOUR (17)
|           /+
|           || /----- Pdacty I90019 San Remo
|           || \--+
|           | \----- Pdacty S01004 Bel Air Sénégal
|           /+
|           || /----- Pdacty Guelb Jem Tunisie
|           || /---+
|           || | \----- Pdac dat097 Deglet Nour (cult. Oman)
|           || \--+
|           || | /----- Pdacty I93051 San Remo
|           /---+ \--+
|           | | \----- Pdacty I93053 San Remo
|           |
|           | | /----- Pdacty male P11 Tunisie
|           | |
|           | | \+          /----- Pdacty male T199 Tunisie
|           /+ \-----+
|           || \----- Pdacty male T198 Tunisie
|           |
|           || | /----- Pdacty I93069 San Remo
|           || | /---+
|           || | | \----- Pdacty dat004 Elche
|           || | \----- Pdacty F01004 La Croisette Cannes
|           /+           /----- Pdacty Zehdi Irak (Cult. Tunisie)
|           || | /---+
|           || | | \----- Pdacty T124m Tunisie
|           || | | /--+
|           || | | | \----- Pdacty DF1 Tunisie
|           || | | /+
|           || | | | \----- Pdacty dat047 Thorry Algérie (Cult. Elche)
|           || | \--+
|           || | | /----- Pdacty I90001 San Remo
|           || | \+
|           || | \----- Pdacty I93026 San Remo
|           /+
|           || | /----- Pdacty Chekenet Tunisie
|           || | /---+
|           || | | \----- Pdacty Khalt Mou Tunisie
|           || | /---+
|           || | | \----- Pdacty I93023 San Remo
|           |
|           || | | /----- Pdacty male Bor1 Tunisie
|           || | | /-----+
|           || | | | \---- Pdacty male DokN Tunisie
|           || | | /---+
|           || | | | \----- Pdacty male CRP1 Tunisie
|           || | | /--+
|           || | | | \----- Pdacty male CRP3 Tunisie
|           || | | \---+
|           || | | | \----- Pdacty Khalt Saa Tunisie
|           |
|           || | | | /--- Pdacty male CRP4 Tunisie
|           || | | \+           /-----+
|           || | | | | \---- Pdacty male DokC Tunisie
|           || | | | /+
|           || | | | | \----- Pdacty dat026 Elche
|           || | | | \---+
|           || | | | | \----- Pdacty dat036 Espagne
|           |
|           || | | | | /----- Pdacty dat001 Elche
|           || | | | \---+
|           || | | | | \----- Pdacty dat006 Elche
|           |
|           || | | | | /----- Pdacty Kintic Tunisie
|           || | | | \-----+
|           || | | | | \----- Pdacty SZ2 38 Tunisie
|           /---+
|           || | | \----- Pdacty T158m Tunisie
|           |
|           || | | | /----- Pdacty T169m Tunisie
|           || | | /---+
|           || | | | \----- Pdacty Beser Tunisie
|           || | | /--+
|           || | | | | \----- Pdacty Tronja Tunisie
|           || | | | /+
|           || | | | | \----- Pdacty dat003 Elche
|           || | | /+
|           || | | | | \----- Pdacty Chekenet Tunisie
|           /---+ || | | \---+
|           || | | | | \----- Pdacty dat014 Elche

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|   |   |   |   /----- Pdacty Chekenet Tunisie
|   |   |   |   /--+
|   |   |   |   \----- Pdacty male P14 Tunisie
|   |   |   |   /+-
|   |   |   |   \----- Pdacty dat030 Elche
|   |   |   |   /+   /----- Pdacty dat025 Elche
|   |   |   |   ||/---+
|   |   |   |   \--- Pdacty dat035 Elche
|   |   |   |   | \+-
|   |   |   |   |   /----- Pdacty dat031 Elche
|   |   |   |   |   ++\---+
|   |   |   |   |   \----- Pdacty dat040 Espagne
|   |   |   |   |   /----- Pdacty dat015 Elche
|   |   |   |   |   | \---+
|   |   |   |   |   |   \----- Pdacty dat016 Elche
|   |   |   |   |   /+   /----- Pdacty dat017 Elche
|   |   |   |   |   \---+
|   |   |   |   |   \----- Pdacty dat022 Elche
|   |   |   |   |   /----- Pdacty Lemsi Tunisie
|   |   |   |   |   /+
|   |   |   |   |   \|----- Pdacty I93083 San Remo
|   |   |   |   |   /---+
|   |   |   |   |   | \--- Pdacty I93021 San Remo
|   |   |   |   |   | \---+
|   |   |   |   |   |   \----- Pdacty I93082 San Remo
|   |   |   |   |   |   /----- Pdacty I93018 San Remo TRONC ROUSTE (9)
|   |   |   |   |   |   /+   /----- Pdacty Tamri Tunisie
|   |   |   |   |   |   | /---+
|   |   |   |   |   |   | \----- Pdacty dat007 Elche
|   |   |   |   |   |   | \+-
|   |   |   |   |   |   |   /----- Pdacty I93017 San Remo
|   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   \----- Pdacty I93084 San Remo
|   |   |   |   |   |   |   | \+-
|   |   |   |   |   |   |   |   /----- Pdacty dat005 Elche
|   |   |   |   |   |   |   |   /+
|   |   |   |   |   |   |   |   \|----- Pdacty dat033 Elche
|   |   |   |   |   |   |   |   /---+
|   |   |   |   |   |   |   |   \----- Pdacty dat032 Elche
|   |   |   |   |   |   |   |   | \+-
|   |   |   |   |   |   |   |   |   /----- Pdacty dat024 Elche
|   |   |   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   |   |   \----- Pdacty dat053 Elche
|   |   |   |   |   |   |   |   /+   /----- Pdacty DG8 m Tunisie
|   |   |   |   |   |   |   |   /---+
|   |   |   |   |   |   |   |   | \----- Pdacty dat008 Elche
|   |   |   |   |   |   |   |   |   /+
|   |   |   |   |   |   |   |   |   \|----- Pdacty dat009 Elche
|   |   |   |   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   |   |   |   /+   \----- Pdacty dat027 Elche
|   |   |   |   |   |   |   |   |   |   | \+-
|   |   |   |   |   |   |   |   |   |   |   /----- Pdacty male DokC Tunisie
|   |   |   |   |   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   |   |   |   |   \----- Pdacty ChekenetE Tunisie
|   |   |   |   |   |   |   |   |   |   |   /+   /----- Pdacty Khou Bouf Tunisie
|   |   |   |   |   |   |   |   |   |   |   /+-
|   |   |   |   |   |   |   |   |   |   |   | \----- Pdacty dat028 Elche
|   |   |   |   |   |   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   |   |   |   |   |   /----- Pdacty dat023 Elche
|   |   |   |   |   |   |   |   |   |   |   |   | \+-
|   |   |   |   |   |   |   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   |   |   |   |   |   |   /----- Pdacty dat029 Elche
|   |   |   |   |   |   |   |   |   |   |   |   |   | \+-
|   |   |   |   |   |   |   |   |   |   |   |   |   | \----- Pdacty Khad Khad Tunisie
|   |   |   |   |   |   |   |   |   |   |   |   |   | /+   /----- Pdacty Khalb Ali Tunisie
|   |   |   |   |   |   |   |   |   |   |   |   |   | /---+
|   |   |   |   |   |   |   |   |   |   |   |   |   | | \--- Pdacty male Hajj Tunisie
|   |   |   |   |   |   |   |   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | \----- Pdacty male CRP5 Tunisie
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | \---+
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | \----- Pdacty dat013 Elche
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | /+   /----- Pdacty F01006 La Croisette Cannes
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | | \+-
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | |   /----- Pdacty dat010 Elche
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | | \---+ /+---+
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | | | \--- Pdacty dat011 Elche
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | | | \+-

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|   |   |||| /+- \----- Pdacty dat034 Elche
|   |   |||| |   /----- Pdacty S01005 Bel Air Sénégal
|   |   |||| | \---+
|   |   |||| \----- Pdacty dat054 Elche      CORE ELCHE (12)
|   ||\X+
|   |||   /----- Pdacty dat012 Elche
|   ||| /---+
|   ||| |   \----- Pdacty dat021 Elche
|   ||| |
|   ||| \+   /----- Pdacty dat018 Elche
|   ||| |   /
|   ||| | \----- Pdacty dat037 Espagne
|   ||| \---+
|   ||| |   /----- Pdacty P3 273 Espagne
|   ||| | \---+
|   ||| \----- Pdacty dat038 Espagne
|   ||
|   |||   /-- Pdacty Aricht Tunisie
|   /+- |||   /---+
|   ||| |   \-- Pdacty Rochd Tunisie
|   ||| | \---+
|   ||| | \----- Pdacty Kchdou Tunisie
|   ||| | /+-
|   ||| | \----- Pdacty dat019 Elche
|   ||| /+-
|   ||| |   /----- Pdacty P3 278 Elche
|   ||| | \---+
|   ||| | \----- Pdacty dat041 Elche
|   ||| |
|   ||| \+   /----- Pdacty F03001 Jardin des Plantes Montpellier
|   ||| |   |
|   ||| | +----- Pdacty dat002 Elche
|   ||| | \---+
|   ||| | \----- Pdacty dat020 Elche
|   ||| \---+
|   ||| \----- Pdacty F01005 La Croisette Cannes
|   ||
|   |||   /----- Pdac dat060 Rotb Syrie
|   ||| |
|   ||| |   /----- Pdacty I93019 San Remo
|   ||| |   |
|   ||| |   /----- Pdacty JCP381 Bel Air Sénégal
|   ||| /---+ /+-
|   ||| |   | \----- Pdacty JCP383 Bel Air Sénégal
|   ||| | \---+
|   ||| |   |   /----- Pdacty S01001 Bel Air Sénégal
|   ||| |   \---+
|   ||| |   \----- Pdacty S01003 Bel Air Sénégal
|   ||\+ |
|   ||| \----- Pdacty I93024 San Remo
|   ||
|   |||   /----- Pdacty F01003 La Croisette Cannes
|   ||| |
|   ||| |   /----- Pdacty N01001 Tawrak Niger
|   ||| \---+ /---+
|   ||| |   \----- Pdacty N01003 Goas Niger NIGER
|   ||| | \---+
|   ||| |   |   /----- Pdacty N01002 Araw Niger
|   ||| | \---+
|   ||| |   \----- Pdacty N01004 Alkag Niger
|   ||
|   |   /----- Pdacty Boufag Tunisie
|   |   |
|   | /+   /----- Pdacty Fermla Tunisie
|   | | \---+
|   | | \----- Pdacty Chekenet Tunisie
|   | |
|   | /+   /----- Pdacty Deglet Tunisie
|   | | /---+
|   | | | \----- Pdacty Smiti Tunisie AGROLIGNEE AMARI (11)
|   | | \---+
|   | | |   /----- Pdacty Amari Tunisie
|   | | | \---+
|   | | ++ \----- Pdacty Gasbi Tunisie
|   | |
|   | |   /----- Pdacty Denga Tunisie
|   | | /---+
|   | | |   \----- Pdacty Aguiwa Tunisie
|   | | \---+
|   | | |   /----- Pdacty male P13 Tunisie
|   | | | \---+
|   | | |   \----- Pdacty I93079 San Remo
|   |
|   /+ |   /----- Pdacty Ftimi Tunisie
|   ||| | /---+
|   ||| | |   \--- Pdacty Koufti Tunisie

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    |   |   |   /+----- Pdacty Angou Tunisie
    |   |   |   \----- Pdacty Karrou Tunisie
    |   |   |   \----- Pdacty Bidh H Tunisie
    |   |   |
    |   |   |   /+----- Pdacty Hamra Tunisie
    |   |   |   /-----+
    |   |   |   |   \----- Pdacty Om sai Tunisie      CORE TUNISIE (18)
    |   |   |   |   \-----+
    |   |   |   |   \----- Pdacty Fhal K Tunisie
    |   |   |   \+----- Pdacty Rakli Tunisie
    |   |   |
    |   |   \+----- Pdacty DG9m Tunisie
    |   |   /+-----+
    |   |   |   \----- Pdacty Chekenet Tunisie
    |   |   |   \-----+
    |   |   |   \----- Pdacty Chekenet Tunisie
    |   |   |
    |   |   |   /----- Pdacty Goundi Tunisie
    |   |   |   /+-----+
    |   |   |   |   \----- Pdacty Fezzani Tunisie
    |   |   |   |   \+-----+
    |   |   |   |   \----- Pdacty Mahmou Tunisie
    |   |   |
    |   |   \+----- Pdacty Bezzou N Tunisie
    |   |   |   /-----+
    |   |   |   |   \----- Pdacty Lagou Tunisie
    |   |   |   \+-----+
    |   |   |   \----- Pdacty Alger Algérie
    |   |
    |   |   /----- Pdacty JCP419 Bordighera
    /---+|   |
    |   |   |   /----- Pdacty JCP422 Bordighera
    |   |   |   /+-----+
    |   |   |   |   \----- Pdacty JCP424 Elche          BORDIGHERA-ELCHE
    |   |   |   |   \+-----+
    |   |   |   \----- Pdacty JCP428 Elche
    |   |   \+-----+
    |   |   |   /----- Pdacty JCP421 Bordighera
    |   |   |   |
    |   |   |   \+-----+
    |   |   |   \----- Pdacty JCP425 Elche
    |   |   |   \+-----+
    |   |   |   \----- Pdacty MWC1800 Elche
    |   |
    |   |   /----- Pdacty JCP447 Medjoul (Col. Elche)
    |   |   |
    |   |   |   /+----- Pdacty JCP448 Medjoul Illicitan Elche
    |   |   |   |   \+-----+
    |   |   |   |   \----- Pdacty JCP449 La Confitera Elche      AGROLIGNEE MEDJOU (10)
    |   |   |   |   \-----+
    |   |   |   \----- Pdacty dat050 Medjoul (Col. Elche)
    |   |   |   \-----+
    |   |   |   /-----+ Pdacty JCP429 Bou Feggous (Col. Elche)
    |   |   |   |   /+-----+
    /+-|   |   |   |   |   \----- Pdacty P3 274 Bou Feggous (Col. Elche)
    |   |   |   |   /-----+
    |   |   |   |   \----- Pdacty P3 276 La Confitera Elche
    |   |   |   \+-----+
    |   |   |   \----- Pdacty MWC1398 Elche
    |   |   |
    |   |   |   /----- Pdacty MWC1395 Elche
    |   |   |   \+-----+
    |   |   |   \----- Pdacty MWC1891 Elche
    |   |
    |   |   |   /----- Pdacty JCP426 Elche
    |   |   |   /-----+
    |   |   |   |   \----- Pdacty JCP427 Elche
    |   |   |   \+-----+
    |   |   |   |   /----- Pdacty JCP260 Espagne
    |   |   |   |   \+-----+
    |   |   |   |   \----- PtheoXda MWC1164 Kew
    |   |
    |   |   |   /----- Ptheop dat059
    /+|   |   |
    |   |   |   /----- Ptheop JCP215
    |   |   |   /+-----+
    |   |   |   |   \----- Ptheop MWC1163          THEOPHRASTI
    |   |   |   |   /+-----+
    |   |   |   |   |   \----- Ptheop JCP261
    |   |   |   |   |   \+-----+
    |   |   |   |   \-----+ Ptheop JCP259
    |   |   |   |   \----- Ptheop MWC1191
    |   |

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|   |           /----- Ppusil MWC1807
|   |           /---+
|   |           | \----- Ppusil MWC1878
|   |           /---+
|   |           | \----- Ppusil JCP213          PUSILLA
|   |           /---+
|   |           \----- Ppusil MWC1806
|   |
|   \--+           /----- Prupic JCP218
|   |           |
|   |           | /----- Prupic MWC1162
|   |           | /+          RUPICOLA
|   |           | \----- Prupic MWC1399
|   |           \---+
|   |           \----- Prupic MWC1804
|
|           /----- Pacaul JCP407          ACAULIS
|           /---+
|           \----- Pacaul JCP406
|
|           /----- Psylve JCP258
|           /---+
|           | \----- Psylve JCP404
|           | /---+
|           | \----- Psylve JCP405
|           |
|           /----- Psylve JCP214          SYLVESTRIS
|           | | |
|           | \----- Psylve MWC1803
|           | \---+
|           | \----- Psylve MWC1876
|
|           /----- Ploure MWC1187
|           /---+
|           | \----- Ploure MWC1188
|
|           /----- Ploure MWC1810
|           /---+
|           | \----- Ploure JCP221
|           | /---+
|           | | \----- Ploure JCP190          LOUREIROI
|           | /+ |
|           | | | \----- Ploure MWC1879
|           | | |
|           | \----- Ploure MWC1801
|           | | |
|           | \---+ /----- Ploure JCP409
|           | | \---+
|           | | \----- Ploure JCP408
|           | | |
|           | \----- Precli JCP402
|           | /---+
|           | | \----- Precli JCP194
|           | /+ |
|           | | | /----- Precli JCP378
|           | | \---+
|           | | \----- Precli JCP188
|           | | |
|           | | /----- Precli JCP376
|           | /---+ /---+
|           | | | \----- Precli JCP217
|           | | /+ |
|           | | | | \----- Precli MWC1808
|           | | | \---+
|           | | \+ \----- Precli MWC1874          RECLINATA
|           | | | |
|           | | | \----- Precli MWC1193
|           | | |
|           | /---+ | /----- Precli JCP388
|           | | | \---+
|           | | | | \----- Precli MWC1165
|           | | |
|           | \---+ \----- Psylve D57
|           | |
|           | | /----- Precli JCP377
|           | \---+
|           | \----- Precli MWC1397
|
|           /----- Pcanar JCP169
|           | |
|           | | /-- Pcanar I93101
|           | | /---+
|           | | /+ \-- Pcanar I93111
|           | | | |
|           | | | /---- Pcanar I93102
|           | | | | |
|           | | | \+/- /---- Pcanar I93103

```

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          | | |           | | |     /--+
          | | |           | | \-- Pcanar I93107
          | | |           | | /--+
          | | |           | \+ | \-- Pcanar I93108
          | | |           | | |
          | \+|           | | | +--- Pcanar I93114
          | | |           | | | /-+
          | | |           | | | \-- Pcanar I93112
          | | |           /-+ \+
          | | |           | | \----- Pcanar I93113
          | | |
          | | |           | | /----- Pcanar I93100
          | | |           | | |
          | | |           | | +----- Pcanar I93130
          | | |
          | | |           | | /---+ /-- Pcanar I93109
          | | |           | | | /-+
          | | |           | | | \----- Pcanar I93129
          | | |           /-+ | | \+
          | | |           | | | | /----- Pcanar I93110
          | | |           | | | \+ \-
          +---+ |           | | | \----- Pcanar I93122
          | | |
          | | |           | | | /----- Pcanar I93115
          | | |           | | | \-----+
          | | |           /-+ | \----- PcaXsy JCP967
          | | |
          | | |           | | | /--- Pcanar MWC1396
          | | |           | | | \---+
          | | |           /-+ | \----- Pcanar MWC1799
          | | |
          | | |           | | | \----- PcaXsy JCP262
          | | |           /+ |
          | | |           | | \----- PXtome JCP399
          | | |
          | | |           /+ \----- PcaXda JCP170
          | | |
          | | |           | | | /----- PcaXda JCP210
          | | |           | | | \-----+
          | | |           /-+ \----- PcaXda JCP211
          | | |
          | | |           | | | /----- Pcanar JCP410
          | | |           | | | \+
          | | |           | | | \----- PcaXda JCP403
          | | \-----+
          | | |           | | | /----- Pcanar dat056
          | | |           | | | \---+
          | | |           | | | \----- Pcanar dat058
          | | \-----+
          | | |           | | | \----- PcaXsy JCP263
          |
          | | |           /----- Patlan SH1c
          | | |
          | | |           /-+ /----- Patlan SH37
          | | |           | | |
          | | |           | \--+ /----- Patlan SH39
          | | |           | | \+-
          | | |           | | \----- Patlan SH44
          | | |           /+
          | | |           | | | /----- Patlan SH10c
          | | |           | | | \-----+
          | | |           | | | \----- Patlan SH11
          | | |
          | | |           | \+ /----- Patlan SH22
          | | |           | | |
          | | |           | \--+ /----- Patlan SH25
          | | |           | | \+-
          | | |           /-+ \----- Patlan SH47
          | | |
          | | |           | | | /----- Patlan SH54
          | | |           | | | \---+
          | | |           | | | \----- Patlan SH60
          | | |
          | | |           | | | | /----- Patlan SH61
          | | |           | | | | \---+
          | | |           | | | | \----- Patlan SH63
          | | |
          | | |           | | | | /----- Patlan SH68
          | | |           | | | | \+-
          | | |           | | | | \----- Patlan SH98
          | | |           /---+
          | | |           | | | | /----- Patlan SH79
          | | |           | | | | \+-
          | | |           | | | | \----- Patlan SH93
          | | |           | | | | \+-
          | | |           | | | | \----- Patlan SH72
          | | |           | | | | \---+

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|   |   |           |   |   \----- Patlan SH77
|   \--+ |           \--+ |
|       |   |           |   /----- Patlan SH86
|       |   |           \---+
|       |   |           \----- Patlan SH91
|       |   |
|       |   \----- Patlan SH83
|       |
|       |   /----- PatlanXdac SH9c
\---+   \---+
|           \----- PatlanXdac SH105
|
|   /----- Proebe MWC1161
|   |
|   |   /----- Proebe MWC1400
\---+   /+
|   |   \----- Proebe MWC1805
\---+   \
|           \----- Proebe JCP216
ROEBELENII
```