

Phylogenetic tree showing relationships between 20 populations. The tree is rooted at the top left and branches out to the right. The populations are listed on the left, and the nodes are labeled on the right. The tree is a complex network of lines representing evolutionary relationships.

Populations (left to right):

- Lancaster, OH - 160
- Waukesha, WI 1 - 50
- Waukesha, WI 3 - -5
- Millersport, OH - 225
- Oak Creek, WI - 40
- Mattoon, IL - 115
- Golden Valley, MN - 0
- bye - 0
- West Bend, WI - 0
- Midland, MI - 0
- Addison, IL - 10
- Thorp, WI - 230
- Searcy/Bentonville, AR - 95
- Hamlet, IL - 110
- Indianapolis, IN - 95
- Oak Creek/Racine, WI - 25
- Ofallon/Highland, IL - 40
- Flint, MI - 185
- Troy, MI - 115
- Omaha, NE - 15
- Ofallon, IL - 85
- Evanston, IL - 40
- Springfield, MO - 160
- Clintonville/Madison, WI - 40
- Waukesha, WI 4 - -5
- Bridgeton, MO - 225
- Waukesha, WI 2 - 20

Nodes (right to left):

- E Q1
- E Q14
- E Q2
- E Q3
- E Q4
- E Q5
- E Q6
- E Q7
- E Q8
- F Q9
- F Q10
- F Q11
- F Q12
- F Q13
- F Q21
- E Q22
- E Q23
- E Q24
- E Q25
- E Q26
- E Q27
- E Q28

bye - 0

Clintonville/Madison, WI - 155
Clintonville/Madison, WI - 220
Indianapolis, IN - 100 Q34

Evanston, IL - 40
Omaha, NE - 70
Omaha, NE - 120 E Q30
Waukesha, WI - 25 F(17th) Q35
Ofallon/HIGHLAND, IL - 15
Oak Creek/Racine, WI - 5 E Q31
Ofallon, IL - 125 F(17th) Q36
Searcy/Bentonville, AR - 90
New Berlin, WI - 5 F(17th) Q37
Addison, IL - 0
Midland, MI - 0 F Q32
Golden Valley, MN - 10 F(17th) Q38
Waukesha, WI 4 - 5
Millersport, OH - 100 F(17th) Q39
OAK CREEK, WI - 5
Waukesha, WI 3 - 5 F Q33
West Bend, WI - 100 F(17th) Q40
Waukesha, WI 1 - 165
Hamlet, IL - 110 F(17th) Q41

Clintonville/Madison, WI - 180
Omaha, NE - 50 E (13th) Q42
Poplar Bluff MO - 85
Clintonville/Madison, WI - 135
Clintonville/Madison, WI - 115
Clintonville/Madison, WI - 140
Flint, MI - 90
Clintonville/Madison, WI - 100
Springfield, MO
Springfield, MO - 125

E (7th) Q50
E (5th) Q52
E (4th) Q54
E (3rd) Q55

Ofallon, IL - 170 E (13th) Q43
Mattoon, IL - 90 E (9th) Q47
Troy, MI - 10 F(9th) Q48
Waukesha, WI 1 - 115 F(13th) Q45
Bridgeton, MO - 100 F(9th) Q49
Thorp, WI - 40
Waukesha, WI 1 - 65
Millersport, OH - 140 F(7th) Q51
Millersport, OH - 65 F(5th) Q53

Lancaster, OH - 155

Springfield, MO - 110 ^{E (2nd) Q56}

^{E (2nd) Q57} Lancaster, OH

Phylogenetic tree showing relationships between various populations. The tree is rooted on the left and branches out to the right. Populations are labeled with their names and sample sizes. The tree shows a clear pattern of genetic differentiation between major continental groups, with European populations (E) forming one cluster and African populations (F) forming another. Within each group, there is further subdivision into regional clusters.

Populations and sample sizes (from top to bottom):

- Lancaster, OH - 160
- Waukesha, WI 1 - 50
- Waukesha, WI 3 - -5
- Millersport, OH - 225
- Oak Creek, WI - 40
- Mattoon, IL - 115
- Golden Valley, MN - 0
- bye - 0
- West Bend, WI - 0
- Midland, MI - 0
- Addison, IL - 10
- Thorp, WI - 230
- Searcy/Bentonville, AR - 95
- Hamlet, IL - 110
- Indianapolis, IN - 95
- Oak Creek/Racine, WI - 25
- Ofallon/Highland, IL - 40
- Flint, MI - 185
- Troy, MI - 115
- Omaha, NE - 15
- Ofallon, IL - 85
- Evanston, IL - 40
- Springfield, MO - 160
- Clintonville/Madison, WI - 40
- Waukesha, WI 4 - -5
- Bridgeton, MO - 225
- Waukesha, WI 2 - 20
- Lancaster, OH - 110
- Lancaster, OH - 150
- Millersport, OH - 100
- Mattoon, IL - 175
- Golden Valley, MN - 0
- West Bend, WI - 35
- Thorp, WI - 90
- Thorp, WI - 185
- Hamlet, IL - 90
- Indianapolis, IN - 100
- Flint, MI - 175
- Flint, MI - 110
- Troy, MI - 30
- New Berlin, WI - 0
- Ofallon, IL - 115
- Springfield, MO - 120
- Springfield, MO - 165
- Bridgeton, MO - 170
- Bridgeton, MO - 115
- Waukesha, WI 2 - 20
- Lancaster, OH - 140
- Lancaster, OH - 160
- Thorp, WI - 5
- Poplar Bluff MO - 30
- Lancaster, OH
- Flint, MI - 95
- Troy, MI - 75
- Springfield, MO - 95
- Springfield, MO - 165

bye - 0

Clintonville/Madison, WI - 155
Clintonville/Madison, WI - 220
Indianapolis, IN - 100

Evanston, IL - 40
Omaha, NE - 70
Omaha, NE - 120
Ofallon/Highland, IL - 15
Oak Creek/Racine, WI - 5
Oak Creek/Racine, WI - 110
Ofallon, IL - 125
Searcy/Bentonville, AR - 90
New Berlin, WI - 5
Addison, IL - 0
Midland, MI - 0
Golden Valley, MN - 10
Waukesha, WI 4 - 5
Millersport, OH - 100
Oak Creek, WI - 5
Waukesha, WI 3 - 10
West Bend, WI - 100
Waukesha, WI 1 - 165
Hamlet, IL - 110

Clintonville/Madison, WI - 220
E (17th) Q34
E (13th) Q42
E (9th) Q46
Clintonville/Madison, WI - 135
E (7th) Q50
Clintonville/Madison, WI - 115
E (5th) Q52
Clintonville/Madison, WI - 140
E (4th) Q54
Clintonville/Madison, WI - 100
E (3rd) Q55
Springfield, MO

Omaha, NE - 50
Poplar Bluff MO - 85
Ofallon, IL - 175
Ofallon, IL - 170
Ofallon, IL - 120
Mattoon, IL - 90
Flint, MI - 90
Addison, IL - 40
Addison, IL - 10
Millersport, OH - 160
Troy, MI - 10
Millersport, OH - 130
Millersport, OH - 140
Waukesha, WI 1 - 115
Waukesha, WI 1 - 65
Thorp, WI - 40
Springfield, MO - 125

E (17th) Q35
E (13th) Q43
E (9th) Q47
E (7th) Q51
F (17th) Q38
F (13th) Q44
F (9th) Q48
F (7th) Q51
F (13th) Q45
F (9th) Q49
F (5th) Q53

Lancaster, OH - 155

Springfield, MO - 110 ^{E (2nd) Q56}

^{E (2nd) Q57} Lancaster, OH