ICSA How-to Guide

DNA Testing for Chinese Adoptees



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International Child Search Alliance

When you're searching for Chinese birth family members, it's important to do <u>two</u> different DNA tests - an <u>autosomal DNA</u> test and a <u>CODIS DNA test</u>. You are free to create any name and birth date you wish to anonymize the information. You can use a separate/special email just for it.

Autosomal DNA test

This is a test of the autosomal (i.e., 22 numbered pairs of) chromosomes as opposed to the sex chromosomes (i.e., X and Y). The test checks about 700,000 pairs of locations in an individual's autosomal DNA.

You often see this type of DNA test advertised by companies like **23andMe** and **AncestryDNA**. These are autosomal DNA tests.

23andMe

The autosomal test can be done by several companies, but most Chinese adoptees are in the 23andMe database (23andme.com/en-eu). You will typically find more individuals of Chinese heritage in this database than any other autosomal DNA. 23andMe is a saliva test.



Ancestry DNA

If you can afford to do so, you could also test with AncestryDNA (ancestry.com/dna), another autosomal DNA test. Some searchers



have found Chinese relatives via this database, so you may want to use it to supplement your 23andMe test. Adoptive families not involved in China-related Facebook groups may have also tested with AncestryDNA. This is a saliva test.

If you test with another company like AncestryDNA, please make sure you upload (free) your raw DNA data file to GEDmatch. Searchers can match their own 23andMe and AncestryDNA results within the GEDmatch database. A searcher may also receive different matches within the GEDmatch database for their 23andMe and AncestryDNA test results.

GEDmatch

You should also upload your 23andMe results to GEDmatch (see below for why you should do this). This is free. gedmatch.com/login1.php. GEDmatch also accepts uploads from FamilyTree DNA, AncestryDNA, My Heritage, and most others.





DNA FOR CHINESE ADOPTEES

AUTOSOMAL DNA TEST

matches parents, siblings, cousins



CODIS DNA TEST

matches parents only; most common in China





Most adoptees in 23andMe





UPLOAD RAW DATA FOR FREE

Help for Family

HFFR

Reunion



MyTaproot

Baby Come Home (Baobeihuijia)

UPLOAD RAW DATA FOR FREE

and/





GEDmatch

Hundreds of birth parents in GEDmatch





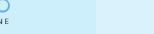
WeGene



23mofang

Zuyuan DNA









Chinese Local Databases

Check with local volunteers or search group admins



Other sites

FamilyTree DNA MyHeritage Living DNA DNA Land



Research-China and DNAConnect

A company named Research-China (<u>research-china.org</u>) has **created** a program called

DNAConnect (dnaconnect.org). Research-China/DNAConnect uploads the DNA of



Chinese birthparents who are searching for the children they relinquished for adoption to the GEDmatch database in hopes of finding matches with Chinese adoptees who are searching for members of their birth families. As of December 2019, they have successfully matched 61 adoptees to their birth families and uploaded DNA for 429 birthparents to GEDmatch.

Other DNA sites

Consider also uploading your raw 23andMe DNA data file to the following databases. These are all free and increase your chances of matching more people.

US Companies	Website
Family Tree DNA	<u>familytreedna.com</u>
Accepts free uploads from 23andMe, AncestryDNA, MyHeritage. FamilyTree DNA is a swab test - good option for those who can't generate enough saliva.	
DNA Land	<u>dna.land</u>
Accepts free uploads from 23andMe, FamilyTree	
DNA, AncestryDNA	
DNALAND	
My Heritage	myheritage.com
Accepts free uploads from	
AncestryDNA, FamilyTreeDNA,	
23andMe, Living DNA. My Heritage is	
a swab test - good option for those who can't	
generate enough saliva.	
Living DNA	support.livingdna.com/hc/en-
Accepts free uploads from AncestryDNA, 23andMe,	us/articles/360012746031-How-do-I-upload-
MyHeritage, FTDNA Living DNA	data-via-Find-my-past-

Chinese Companies	Website
WeGene	wegene.com/en (English site)
Accepts free uploads from 23andMe, AncestryDNA. Database is kept in China.	wegene.com (Chinese site – has more
Tip: Use the English site to create your account and uploa DNA data, but then use the Chinese site, with Google Chro translate, to see relative matches and additional informat visible on the English site.	rome to translate)
Zuyuan DNA ==	zuyuandna.cn/upload-dna-data
Accepts free uploads from 23andMe,	=
AncestryDNA. Database is kept in China. Zuyu	anDNA
23Mofang	23mofang.com/
Accepts free uploads from 23andMe,	
AncestryDNA. Database is kept in China. 23m	fang
Challenging to use if you can't read Chinese.	



→

IMPORTANT... DON'T FORGET!



- 1. Please check your account(s) at least monthly for new matches!
- 2. If you get a message or see a match that shows an identical twin or sibling, please check first who the match is. You could have accidently uploaded your/your child's DNA twice.

CODIS DNA test

This is the FBI's Combined DNA Index System (CODIS), a software platform that blends forensic science and computer technology. CODIS DNA tests look for unique repeating patterns in an individual's DNA known as short-tandem repeats (STRs). STRs can be used to differentiate one person from another. Typically, a CODIS DNA test compares only 13 to 20 autosomal STR markers.

You don't see CODIS tests advertised since this type of test is primarily used by the FBI and local law enforcement organizations to help solve crimes. A paternity test to determine the father of a child is a CODIS DNA test. It is however the most commonly-used DNA test in China right now.

MyTaproot

MyTaproot (MyTaproot.org) is a free birth family search service, offered by CCAI Adoption Services (ccaifamily.org) for Chinese adoptees. They offer an optional CODIS DNA test (cheek swab) at a discounted rate; you can also submit the results to other CODIS databases (see below). CCAI is encouraging Chinese birth parents who relinquished their children for adoption to have their DNA tested using a CODIS DNA test and have it uploaded into the MyTaproot database (haiwaixunzi.org on the Chinese side). If there is a match between a Chinese adoptee and Chinese birth parent, MyTaproot will notify the birth parent and Chinese adoptee or adoptive parents. Contact MyTaproot at info@mytaproot.org and LabCorp at DNA@labcorp.com.

Baby Come Home (Baobeihuijia)

This is a Chinese website started by Chinese parents whose children were abducted or went missing (baobeihuijia.com). It was created to help Chinese citizens find missing relatives. It has listings of Chinese birth parents looking for children, domestic Chinese adoptees looking for their birth parents, ads for lost adults, and international adopted children looking for birth parents. If you open this Chinese website in Google Chrome, you can automatically translate the site into English.

There are two options to register with Baby Come Home.

#1 The first option to register with Baby Come Home is to sign up with MyTaproot

Read the information on the MyTaproot page carefully. After you finished the steps, you can order a DNA test for \$70 via their partner LabCorp (MyTaproot will tell you how to do this). It is also possible



to do this if you are located in Europe, but there is an additional shipping charge of \$100. It may be cheaper to get an STR or CODIS test in your own country; check with MyTaproot for compatibility.

LabCorp will send the DNA results to you, and you have to register it in your MyTaproot account.

MyTaproot will register your child with Baby Come Home (Baobeihuijia) in China and your DNA results will be compared. You will get a registration number. It might take several months. The DNA results will also be compared by MyTaproot with Haiwaixunzi (haiwaixunzi.org), the Chinese database side of MyTaproot.

#2 The second option to register is to join the Facebook group Baby Home

facebook.com/groups/275651082969132

Look for information on how to register in the files section of this Facebook group.

Help for Family Reunion (HFFR)

You can also e-mail your MyTaproot CODIS DNA results to this organization (sending your 23andMe results to HFFR will do them no good since their DNA database is also a CODIS DNA database). Help for Family Reunion is a private non-profit organization in China that has helped to reunite almost 700 families since it was established in 2015. The database is kept in the U.S. See HFFR on Facebook: facebook.com/groups/2014039432246491



E-mail the CODIS DNA info below to BeeHFFR@gmail.com:

- 1. Name SWI assigned name is OK (Indicate which name to use in the database, Chinese OR English)
- 2. Photo of DNA results. You can remove your real name and address for privacy concerns.
- 3. Date of birth
- 4. Gender
- 5. Current residing country
- 6. Contact info customized WeChat ID (don't send WeChat code) preferred. Email is OK.
- 7. Pictures (2) 1 headshot and 1 full body preferred
- 8. Adoption info a few lines on where you were adopted, your finding place, your special physical features, etc.
- 9. If you don't get confirmation in a week, email again or WeChat meefengbz

Chinese National DNA database

If you are searching within China, you could also leave a DNA sample in the national database at the Ministry of Public Security (i.e., police station). It is free. Since this is also a CODIS DNA database you will only find a match to a close relative like a parent or identical twin.