

dbSNP Entity Relationship Diagram:
Build 125
Last updated: 12/6/05

Note:

1. dbSNP Schema is very complex with well over 100 tables and many relationships among tables. One single ER diagram with all dbSNP tables will be too huge to present useful information. Instead, we separate tables according to subject areas:

- Batch Submission:
- Submitted SNP
- Submitted snp, population frequency and individual genotype
- Frequency calculation by submitted snp and population.
- SNP Mapping and Annotation

2. A table may be repeated in several ER diagram if the table has important relationship in these subject areas.

3. In the SNP Annotation subject area, the mapping tables for each organism have the same set of columns. But to clearly reflect the different genome build the snp is mapped to, the mapping table has the snp build # as prefix and NCBI assembly build # as suffix. For ex.
b125_SNPContigLoc_b34_3: is the mapping data for b125 snps that are mapped to NCBI genome build 34 version 3.

The structures of these mapping tables are all exactly the same.

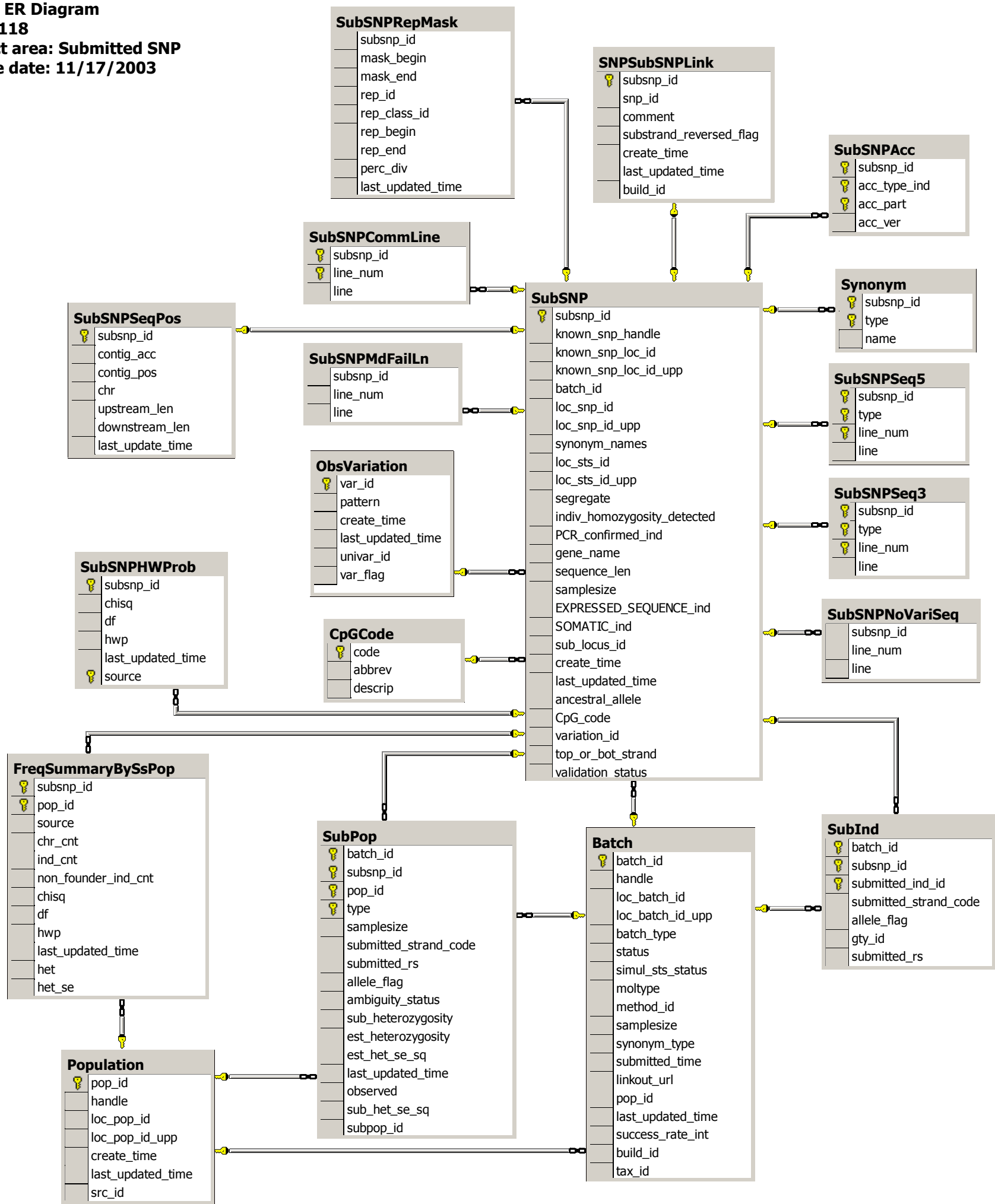
4. dbSNP has many tables with useful data but no relationship to other tables. For ex. FtpValidation has counts of objects in ftp files. (Please see Data Dictionary for details.) Since these tables have no foreign keys, they will just be stand alone blocks on the ER Diagram. For brevity, we exclude them from the ER diagrams.

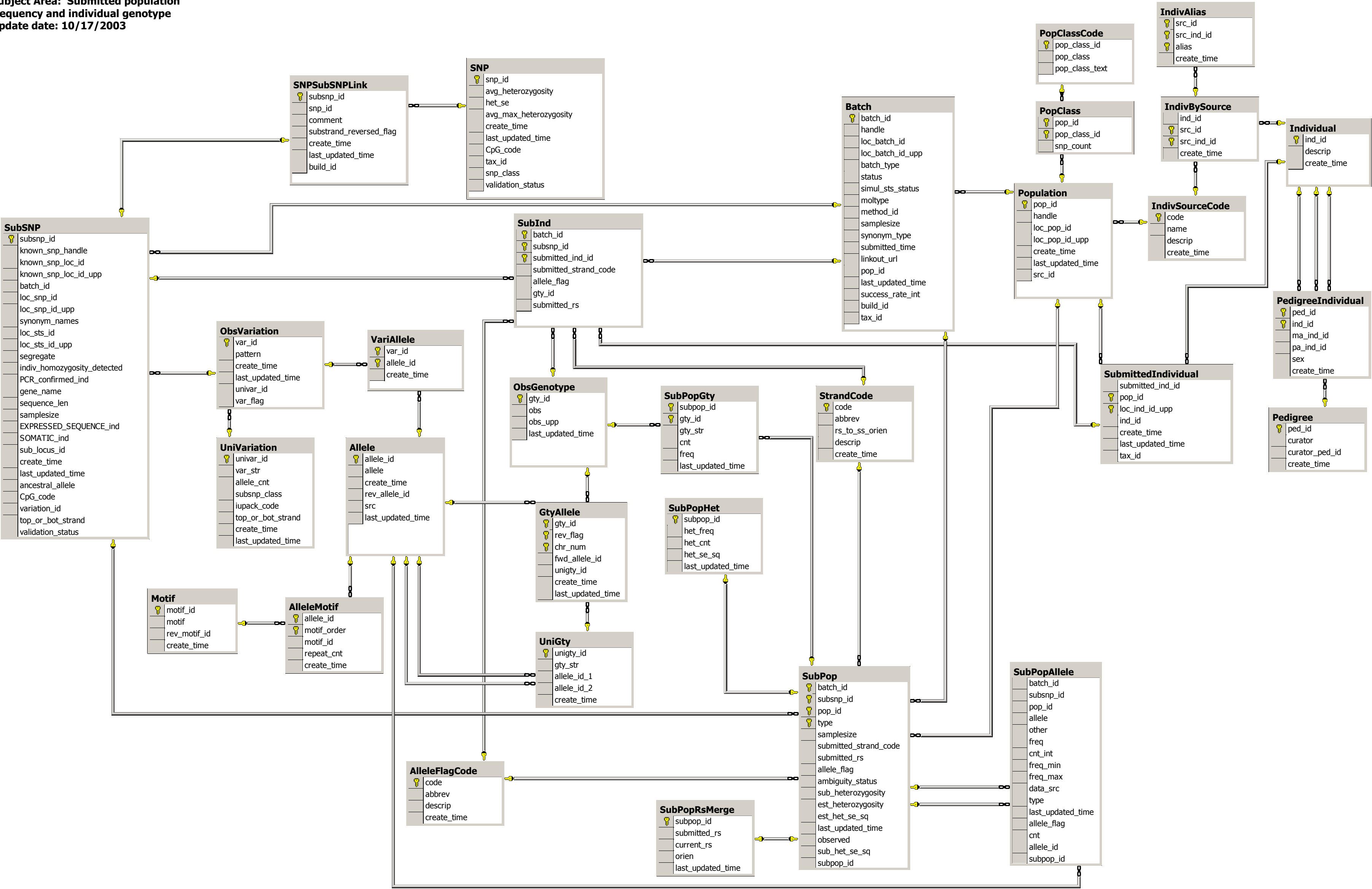
5. The build id in each diagram shows that last time the subject area has schema change. So for example, if the ER diagram for Batch Submission shows the build id as 116, then it means that there have not been any changes since build 116 in this subject area. The following table shows the subject area and the last build id the subject area was modified.

Subject Area	Build Id Last Modified
Batch submission	116
Submitted SNP	118
Submitted population frequency and individual genotype	117
Frequency calculation by submitted snp and population.	118
SNP Mapping and Annotation	125



dbSNP ER Diagram
Build: 118
Subject area: Submitted SNP
Update date: 11/17/2003





dbSNP ER Diagram

Build: 118

Subject area: Frequency calculation by
submitted snp and population.

Update Date: 11/17/03

