Known Problems

These are potential problems in the database that do not necessarily need to be fixed, but which ought to be known to users of the database.

There are some squirrels with identical tag combinations. This will cause problems if you use the squirrel_alias file table to link to get squirrel_id values for squirrels or samples labelled by tag combinations

Squirrels with identical tags

squirrel_id	Sex	TagLft	TagRt	litter_id
10139	F	D6859	D6860	3346
8815	M	D6859	D6860	3529
8817	F	D6863	D6864	3346
8816	F	D6863	D6864	3529

- Squirrels on AG that are in the litter table but not trapping. It seems like Murray's litter swap data are in the litter table but associated trapping data are not included for these females. So there will be some females on AG who appear to have a litter before they are first captured. Note that these squirrels should be listed as bCert = N

- There were two litters that appeared to be tagged with the same tag series (litter_id = 3346 on SU in 2005; litter_id = 3529 on JO in 2006). This has caused some confusion because there are two pairs of squirrels from these litters who have the exact same tag combo (D6859/D6860: squirrel_id = 10139 is a F on SU, squirrel_id = 8815 is a M on JO; D6863/D6864: squirrel_id 8817 is a F on SU, squirrel_id 8816 is a F on JO). This caused some problems with the gut microbe data because McAdam used the squirrel_alias table to link tag combinations to squirrel_id. This failed in one instance (i.e. linked to the wrong squirrel). Also on Nov 22, 2016 McAdam corrected the pedigree, which had the wrong squirrel_id for the squirrels from SU. Note that there are no squirrels from JO in the pedigree. This will have cause problems because phenotype information might have been available for these females and they would not have appeared in the pedigree. ***Users need to beware that grabbing squirrel_id from the squirrel_alias table might return some incorrect links.***

Errors in the Database 2017

Coding. Note that coding for BRSTATUS and NIPPLES changed at 2012 when we switched databases. Also the rep_con is also not consistent. This needs to be chronicled in the metadata file.

The **squirrel_id = 7839** seems to be two different squirrels because of a tag problem. A female was born in 2002 on SU. Then a male was captured in 2006 as a fate=3 on KL.

It appears as though these tags over-wrote the tags for this female perhaps because of the fate = 3. These squirrels need to be split. Note that there are also problems with FLASTALL for this squirrel because the records are mixed. So the age_last is going to be wrong.

Litter/juvenile

For the following litters it seems like the same data are entered in *weight* and *tagWT* these are probably data entry problems. ***These should be checked against nest binders by Brynlee.***

litter_id =

- 4169
- 4170
- 4468
- 3428
- 723
- 4038
- 4761

There is one litter (litter_id = 4968) where the pups lost weight. I think these pups were probably sickly or dead when they were found at Nest 2. No comment about this though in the litter table. There is a comment in the juvenile table that these pups and mom were found dead in the bucket. These weight measures should be deleted from all pups in this litter.

squirrel_id = 12426 had two litters in 2014. The litter that is currently entered (**litter_id = 6049**) is currently listed as ln==1. This should be ln==2. We need to create a new litter record for this female for ln==1 with br == 3.

squirrel_id = 11309 had two litters in 2010. There are three litters entered for this female in 2010 (litter_id = 4662, 4663, 4664). **Change litter_id = 4662 to ln==2**. Change litter_id = 4663 to ln==1 and change br==2 instead of 7. Delete litter_id = 4664.

litter_id = 4662 is listed as br==7 but there are pups in the juvenile table.

litter_id = 2781 should be yr==2011 instead of 2001

litter_id = 3148. This litter is listed as grid=SU and should be grid=AG

Pedigree

squirrel_id = 11997 is in the litter table but not in the pedigree.

Census

Table	ID	Error	Suggestion
census	814	locx = 0.5 yet reflo is o6	Change locx to 15

census	2246 & 2325	same locx and locy yet different reflos	locy of 2246 should be higher
census	10507 & 10582	same locx and locy yet different reflos	10582 appears more likely to be wrong
census	5613	locx = 0, locy = 0, yet reflo is -612	Change x, y to -6.5, 12.0; see id 6874
census	14287 & 14290	same locx and locy yet different reflos	Change 14287 locx to 12.0
census	14413	locx = 0, locy = 0, yet reflo is k2.	change x, y, to 11, 2.5 or similar
census	14505	locx = 0, locy = 0, yet reflo is -27.	change x, y, to -2.0, 7.5 or similar
census	30968	locx = -7.0 yer reflo = -612	change x to -6.0
census	31003	locx = 0,0, yet reflo = -0.12	change x to -0.5
census	31462 & 31426	same locx and locy yet different reflos	both don't quite match reflo, change either
census	30970	locy = 11.0 yet reflo = H11. (and H11 also exists, see id 30964)	change y to 11.5
census	31071	same locx locy as id 30935	change x, y to 4.5, 5.5
census	30009 & 31014	same locx and locy yet different reflos	30009 appars more likely to be wrong