



Erin Chu (embarkvet)

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Hi Valerie,

I'm sure that the Gensol results did actually say that [REDACTED] was a carrier. So there are two possibilities--one, that perhaps one puppy's DNA sample was mislabelled as another puppy's, or two, that Gensol actually misgenotyped the dog. Sadly I can't speak to what might have happened in this case. But there are some fairly obvious problems with respect to QC when you have no means to ID the dog other than the paperwork--imagine if you're swabbing 12 puppies for the same DNA test. If you're using a high-density genotyping array like ours, we can at least identify the sex and coat color of any sample, as well as relatedness to other samples in our DB. In this way, we have identified many instances where an owner has accidentally assigned a swab to the wrong dog. But with a single mutation test, it's really not possible to do any of that. Nor is it possible to ascertain potential mistaken parentage.