

# **GENETIC MUSIC PROJECT**

## **BALDNESS**

---

**BACKGROUND:** Since all genetic information can only come in the language of four nucleotides (A Adenosine C Cytosine G Guanine T Thymidine) all genetic information is fairly easily conveyed in musical form. Back in 2008 my friend Liz Wade and I sent away to 23andme.com to get our genetic code read and from there we used the code to create music.

Take Heroin Addiction for example: Liz simply assigned A, C and G to those notes, and assigned T to a F sharp. She then repeated a 10 nucleotides sequence several times. But that is just one way to do it. To be mathematically and scientifically true the only consistency that has to be maintained is that, as long as you're within the same genetic marker, the nucleotides always have to be the same note, whether you assign A to A or A to G sharp.

**DNA:** According to 23andMe, I have an average risk of going bald. The genetic marker for this is on the rs925391 allele, in part below:

```
GGGCTCCTGT CACTAGGCAG GTGGTGGGAG AGGGAGGCC AGGTCCGTCT
GTGGCCCTGG GCAGTTCTGG CCCAGCCAG CAGAGTGGGC GGAGCACATG
TCACACACGG GAGGGGGGGT GGGGGTGCAG GCGGTGATTT CAAGACTTTT
CCCTGAGATT CAGGGACAGA CTGAGGATTT TAGTTGTTTT AATGTTTAAG AAAACTCCAA
CAATGCAATG AACAGATTCA AGAAGAAAAC CTGTATGAGT Y GGAGAGATGC
AGTGAGATCA TTTAGTGACA TCAGGCACCC ATTCAAGACC CAGATTCTTT
CCCCAGGAGG GGTGGGAGGA GCCTCGCCTG GCGAGGAGAT GCCACCAAAC
AACCCACAGC TAGCGCAGCC CTCACCCTGG CCTGGGATAC CACCGCCTGC
GCCCCAACA CTGCTCTAGG CTCCTGGCCA GTGAGGTAGG CGCCTTGCCA
TGCCCTCAGC CACCTCGCCG TCCTACCTCA ACACCAGCTT
```