针对多种基因，检测研究其对某种疾病影响较大的基因

发展前景

1. 研究影响小鼠唐氏综合症（三体症）的基因，这个表格的基因数相对较少，将来可以推广至研究更多基因对小鼠的影响，以便找到影响其疾病的真正原因。如果实验可以成功，可以将该实验率先应用于宠物，小猫小狗之类，可以用其针对宠物的某种常见疾病进行针对性的基因分析，并让生物学家针对该致病基因，研究相应的解决方案，提高宠物的寿命，提高宠物主人的幸福感。
2. 如果在动物身上运用成功，可以对人进行测试，例如癌症，我们去测试n种基因对癌症影响的权重，得到致癌因素最大的基因，针对此时得到的影响基因，我们有两种用途。

（1）通过基因测试技术，来了解基因因素对人体健康的影响。通过检测基因序列，我们能提前了解自己以后患某些疾病的概率、风险，然后根据检测的结果，才能相对应地采取有针对性的预防措施。

（2）其次，通过基因测试检测有助于判断某种疾病的预后以及其以后的病情发展。用于比较常见的疾病预测比如癌症，阿尔茨海默病以及其他一些老年慢性病等。

（3）当然，基因检测除了能预知疾病，如果能进一步进行药物对人体作用影响的研究，就能通过这项技术了解同样的药物对不同人群的不同影响，这样就能辅助临床医生选择更适合病人身体的药物和药物剂量。当这项技术逐渐成熟病普遍应用，这也将推动医学诊断的准确性和人性化。

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OK，now I will talk about the summary and prospects of our project.

Obviously, our project belongs to classification to find out the genes that cause disease. Therefore, scientific researchers can use this gene and find appropriate methods to treat this disease, so that we can cure these mice. Nowadays, more and more families have pets, which leads people to care more and more about pets, whether it is pet food or pet health. However, at present, pets have many common diseases that cannot be solved. If the mice are successfully treated in the experiment with mice, then we can apply the experiment to pets, such as cats and dogs. For example, there is a common disease and we can analyse which gene may lead to this disease and find the corresponding solution. It has two benefits, one is to extend the life span of pets and the other is to improve the happiness of pet owners.

If it is successfully applied to animals, it can be tested on humans, such as cancer. We will test the weight of n genes' influence on cancer, and get the gene which has the largest factor. We have two uses for the influence genes obtained at this time. Through genetic testing technology, to understand the impact of some genes on human health. Through the detection of gene sequences, we can know in advance the probability and risk of certain diseases in the future, and then based on the test results, we can take corresponding preventive measures. For example, getting a vaccine. Of course, in addition to predicting diseases, genetic testing can further study the effects of drugs on the human body. This technology can be used to understand the different effects of the same drugs on different groups of people, which can assist doctors in choosing drugs that are more suitable for the patient’s body. And drug dosage. When this technology gradually matures and is widely used, it will also promote the accuracy and humanization of medical diagnosis.