

# Prize Matrix Sample:

The prize elements for the Archon X P  
Create a similar matrix for your prize.

## PRIZE ELEMENT

PRIZE CONCEPT  
PURSE SIZE AND DISTRIBUTION  
TIMEFRAME  
TARGET PARTICIPANTS  
TEAM COMPOSITION

REGISTRATION REQUIREMENTS

PERFORMANCE MEASURES AND  
WINNING CRITERIA

REPORTING AND JUDGING  
REQUIREMENTS

ADDITIONAL ELEMENTS

OPEN QUESTIONS

# Archon X PRIZE for Genomics

PRIZE for Genomics have been broken down and are listed below.

## DESCRIPTION

The purpose of this X PRIZE competition is to develop a radically new technology that will dramatically reduce the time and cost of sequencing genomes, and enable a new era of predictive and personalized medicine. X PRIZE Foundation hopes to enable the development of low-cost diagnostic sequencing of human genomes.

\$10 million to a single winning team

Open ended (estimated 3-5 years)

Designers and manufacturers of genome sequencing instrumentation

Open to any private group from any nation. Each team may have any number of participants.

A team must complete a form detailing a description of proposed sequencing methodology, pay a \$1000 registration fee, be accepted by the X PRIZE Foundation as a team, execute the Master Team Agreement (MTA) once available, and comply with the rules and provisions of the MTA.

The X PRIZE for Genomics will be awarded to the first team that can build a device and use it to sequence 100 human genomes within 10 days or less with an accuracy of no more than 1 error in 100,000 base pairs, with sequences accurately covering at least 98% of the genome, and at a demonstrated cost of no more than \$10,000 per genome. If more than one team attempts the competition at the same time, and more than one team fulfills all the criteria, then teams will be ranked according to the time of completion. No more than three teams will be ranked and will share the purse in the following manner: \$7.5 million to the winner and \$2.5 million to the second place team (if two teams are successful) or \$7 million, \$2 million, and \$1 million if three teams are successful. Teams will make appropriate accommodation to give the judges unfettered access on a non-interference basis. The judges shall monitor all aspects of the attempt, devices, and operations of the devices during the 10-day attempt period. Teams agree to fully cooperate with the judges in monitoring the attempt and competition requirements, and will share with the judges information about the device, its components, and the processes used to determine genome sequences. Information shared with the judges shall remain confidential. Teams will answer all questions posed by the judges in order to enable the judges to verify the certifications provided by the teams. The intent of X PRIZE Foundation is to protect as fully as possible all trade secrets and technical know-how of the competing teams.

The technology used in the attempt can be developed privately, or under a government contract or grant.

However, the device itself and all components related to performing the test, including computational tools, shall be constructed or purchased and operated using private funds. Teams attempting to participate by using direct or indirect government subsidies will be disqualified.

Continuing social and ethical discussions center on the proper use of the final sequenced data and the ultimate interpretation of this information for individuals and their families. For example: could insurance companies deny coverage to someone who has discovered they carry a gene that indicates their future possibility of having a particular disease? Do I have the right to expose my immediate family's genome by having my own genome sequenced?

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