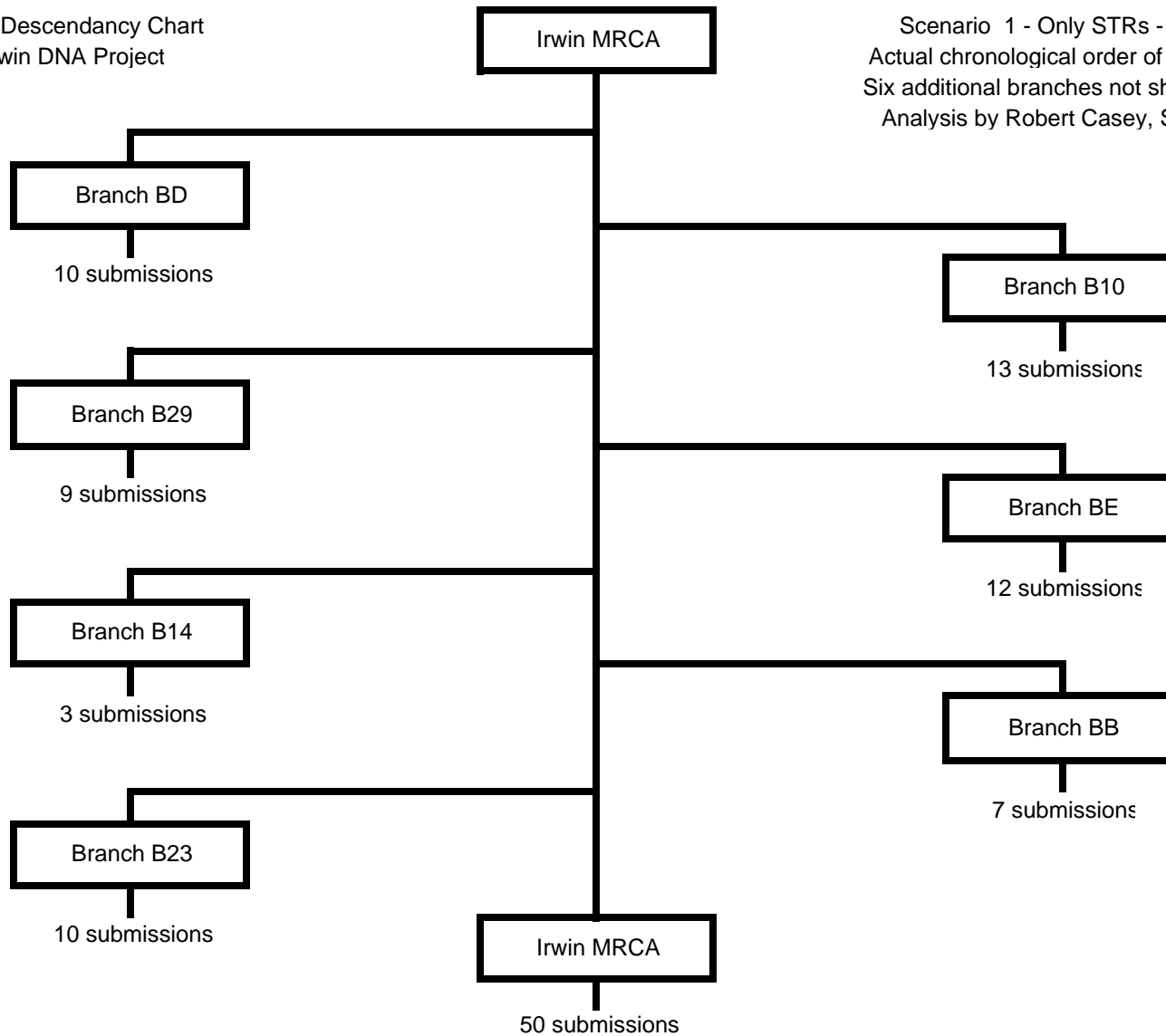


DNA Descendancy Chart
Irwin DNA Project



Scenario 1 - Only STRs - no early branches
Actual chronological order of branches is unknown
Six additional branches not shown (27 submissions)
Analysis by Robert Casey, September 28, 2011

Note: 50 submissions show no visible signs of strong branch mutations. They remain part of the trunk of the tree. Even after 300 to 600 years, no branching mutations were found. More markers may reveal branching mutations, more related submissions may reveal branching mutations or these submissions just beat the odds (and mutated less than normal statistical averages say they should) - they rolled the dice and got two instead of the expected seven.

Note: STRs only show common mutations that define branches. They can not show how the branches are connected or the age of the branches. The above chart does not look like a traditional descendancy chart since it is unknown how the branches are related to each other.