

Results Report

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A New DNA isolation technique was developed at HSapiens.inc. We evaluated the specificity to capture a set of Golden Genes without capturing the surrounding unwanted regions.

Sequencing depth was evaluated for a given set of 5 genomic loci. The following coverage values were found:

| Gene Name | Breadth of coverage | Mean depth of coverage |
|------------------|---------------------|------------------------|
| GOLDEN_GENE1 | 82% | 3.7X |
| UNWANTED_REGION1 | 100% | 53.1X |
| GOLDEN_GENE2 | 91% | 4.2X |
| UNWANTED_REGION2 | 97.5% | 72.6X |
| GOLDEN_GENE3 | 64.6% | 2.4X |

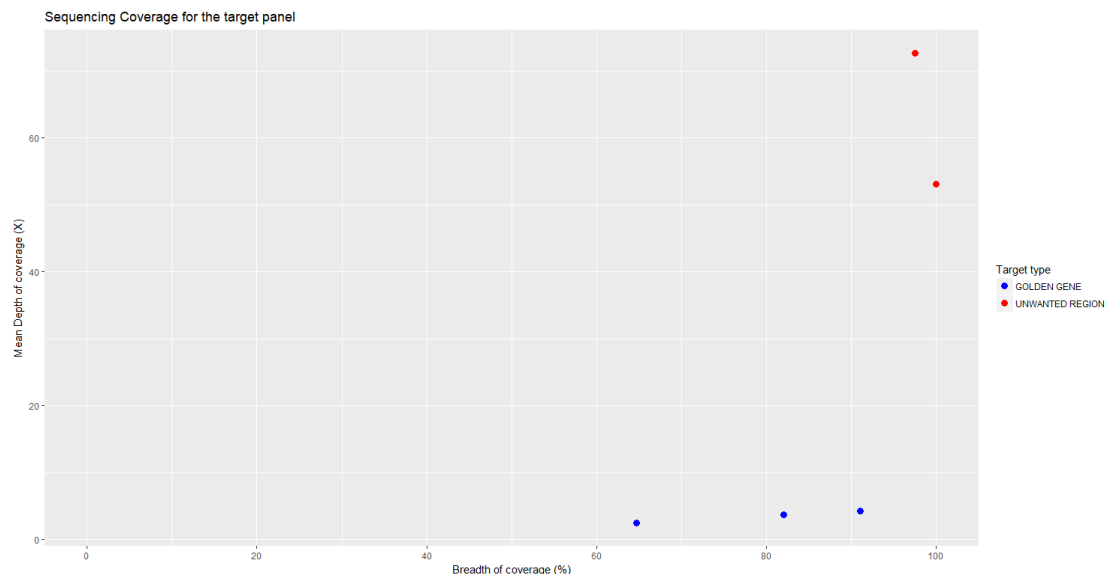


Figure 1. Comparison of coverage values for the targeted genes and the surrounding unwanted regions.

In average, the panel of Golden Genes was 79.2% covered, at 3.4X; for the unwanted regions the average values were 98.75% covered, at 62.9X.

Conclusions

- According to our observations, the proposed DNA isolation technique is [...]