

Summary of Cancer Variants' Intersection with 1KG Variants

Prostate cancer

Actual Data

# of cancer variants	# of 1KG variants	Intersection	Percentage of cancer variants in intersection	Percentage of 1KG variants in intersection
28,610	9,958,477	475	1.66%	0.00477%

Average of 10,000 Runs Using Randomized Cancer Variant Positions

# of cancer variants	# of 1KG variants	Intersection	Percentage of cancer variants in intersection	Percentage of 1KG variants in intersection
28,610	9,958,477	265	0.926%	0.00266%

Actual:Random
Percentage Ratio

1.79