

Table 1

Pretest and Posttest Average Score Increase and Significance Values

Question	Average Percent Increase	Average Increase	Standard Deviation	95% Confidence Interval (CI)	Significance (p-value)
1. Central dogma of molecular biology	+32.5%	+0.41	0.56	(0.2–0.6)	< .001***
2. Genetic discrimination	+15.0%	+0.19	0.54	(0.0–0.4)	.056
3. Gene name abbreviations	+12.5%	+0.16	0.45	(0.0–0.3)	.057
4. GINA	+20.0%	+0.25	0.51	(0.1–0.4)	.009**
5. Eukaryote	+17.5%	+0.22	0.42	(0.1–0.4)	.006**
6. Health behavior	+15.0%	+0.19	0.59	(0.0–0.4)	.083
7. Number of genome sequences	+27.5%	+0.31	0.59	(0.1–0.5)	.005**
Total score	+23.7%	+1.66	1.29	(1.2–2.1)	.001***

Note: *p*-values determined by paired *t*-tests.

**p* < .05

***p* < .01

****p* < .001