

TABLE 4. Statistical^a analysis of percentage of students correctly answering assessment questions

Year	Question(s)	Pretest (%)	Posttest (%)	<i>P</i> value ^b
	Involved in understanding of microarray experimental design			<0.001
2003	Table 3 question 1	14	91	
	Table 3 question 2	41	77	
	Table 3 question 3	9	86	
2004	Table 3 question 1	9	73	
	Table 3 question 2	18	45	
	Table 3 question 3	9	59	
2005	Table 3 question 1	21	79	
	Table 3 question 2	36	79	
	Table 3 question 3	14	43	
	Involved in understanding trends in gene expression data			0.103
2003	Figure 2a question	27	100	
2004	Figure 2b question	18	45	
2005	Figure 2b question	7	36	

^a Two-way analysis of variance with test interval and year as Student-Newman-Keuls pairwise comparisons; analysis performed using Sigmastat 2.0.

^b Pre- and posttest information for each set of questions was analyzed as a group via two-way analysis of variance; the *P* values shown are for the interval of learning. No significant year-to-year effect was observed (see text in Results).