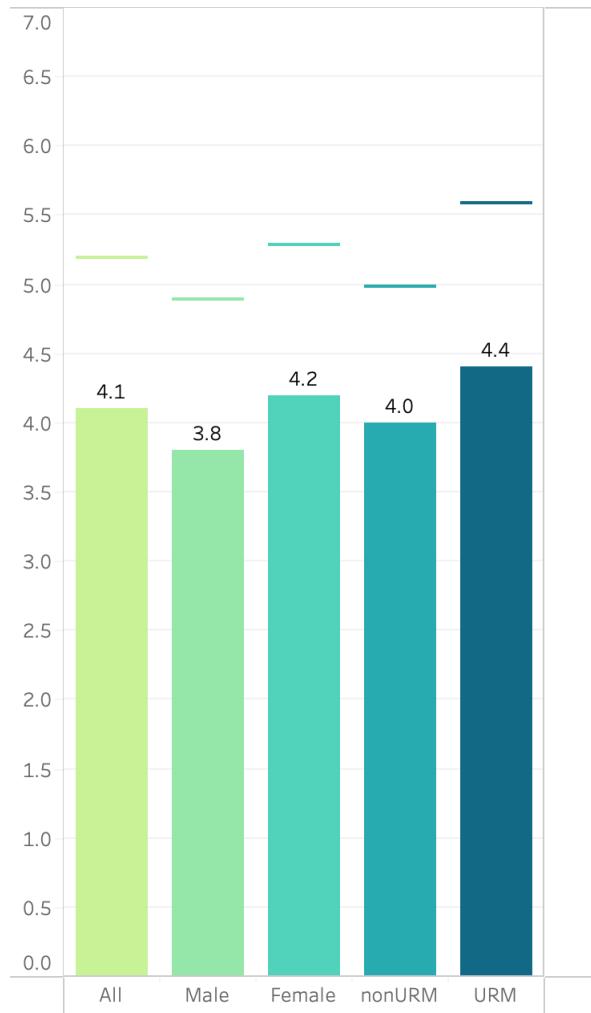


## Supporting Information

The assessments presented in this manuscript are available in the BioMolViz Library at library.biomolviz.org. The assessment IDs presented here are the last two digits of the Library ID, and each ID is preceded by the numbers 100 (e.g., the item 13 Library ID = 10013). Items are reviewed and modified as needed after each phase of our assessment design and validation process; therefore, some items may appear differently in the Library than they are presented in this manuscript.



**Figure S1.** Performance data disaggregated by gender and race/ethnicity.

**Table S1.** Descriptive and inferential statistics, gender differences in performance (% correct) for students only for all items.

		Males		Females		Independent Samples t-Test
		Mean	SD	Mean	SD	
Students	00	0.81	0.25	0.83	0.22	ns
	01	0.62	0.49	0.60	0.49	ns
	02	0.05	0.22	0.13	0.34	ns
	03	0.71	0.46	0.94	0.25	$t(25) = -2.07, p < 0.05 *$
	04	0.82	0.28	0.77	0.32	ns
	06	0.69	0.48	0.31	0.47	$t(21) = 2.44, p < 0.05 *$
	09	0.33	0.48	0.35	0.48	ns
	10	0.61	0.39	0.33	0.32	$t(33) = 2.73, p < 0.05 *$
	11	0.46	0.52	0.43	0.50	ns
	12	0.77	0.44	0.46	0.51	$t(25) = 2.10, p < 0.05 *$
	13	0.33	0.48	0.47	0.50	ns



