Student Growth Percentile Goodness–of–Fit Descriptives
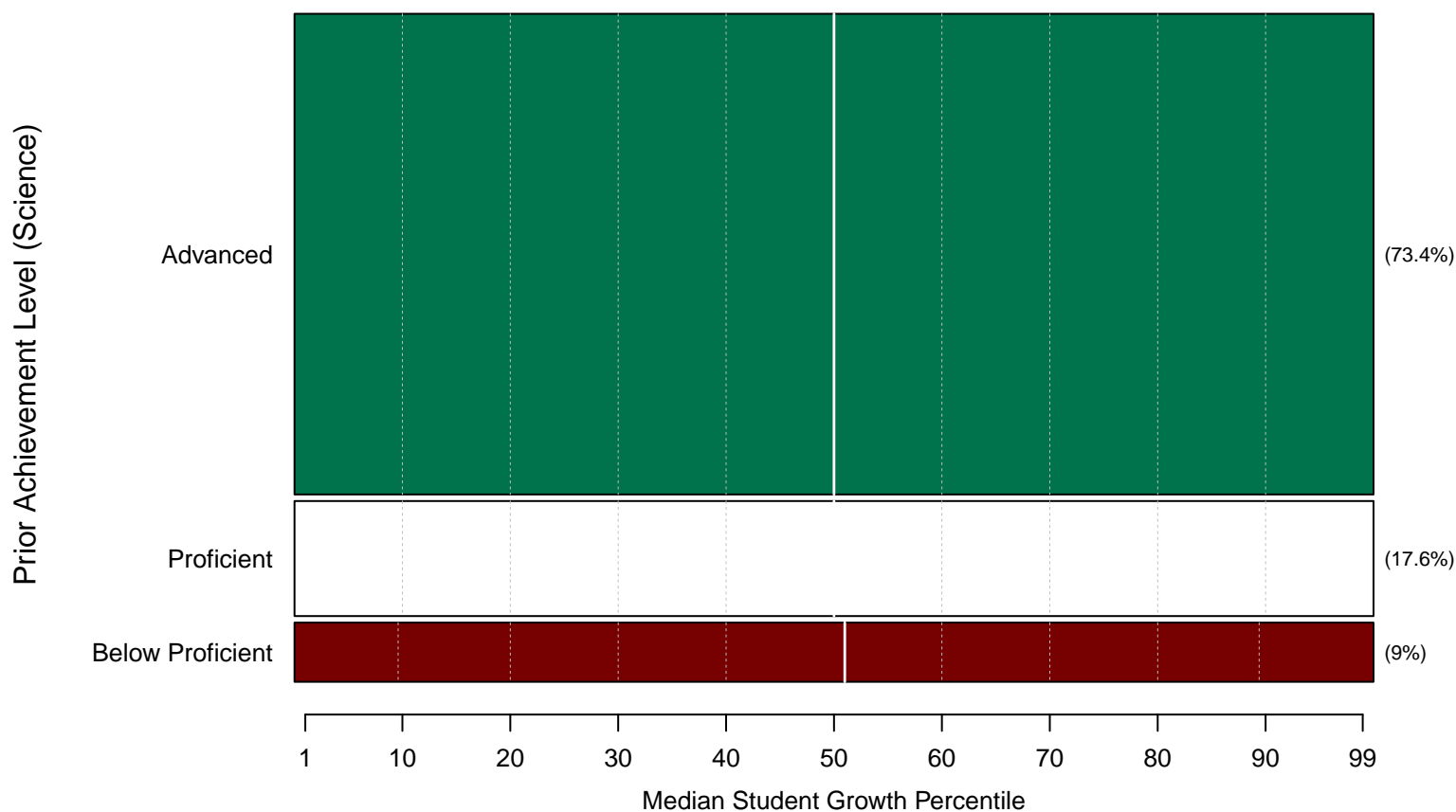
2011 Biology SGP, Grade EOCT (N = 9,370)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (73.4%)
- Proficient (17.6%)
- Below Proficient (9%)

Median Student Growth Percentile

Student Growth Percentile Range

Prior Scale Score Decile/Range *	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	
1st/[130,160)	10.04	9.68	9.68	10.27	9.68	10.04	10.51	9.92	10.15	10.04	(9%)
2nd/[160,164)	9.42	9.42	11.74	9.81	10.97	10.19	8.90	9.55	9.42	10.58	(8.3%)
3rd/[164,167)	9.99	10.79	7.81	10.10	9.87	9.07	10.56	10.33	10.56	10.91	(9.3%)
4th/[167,169)	9.88	9.60	9.88	10.81	10.62	9.97	10.62	8.85	9.51	10.25	(11.5%)
5th/[169,172)	8.71	11.11	10.11	11.91	9.01	10.41	8.01	10.51	9.81	10.41	(10.7%)
6th/[172,173)	11.16	8.29	11.51	7.36	8.29	11.05	10.59	11.05	10.59	10.13	(9.3%)
7th/[173,176)	7.56	10.78	10.22	6.78	10.11	9.89	11.78	10.67	11.22	11.00	(9.6%)
8th/[176,178)	9.01	10.27	8.60	13.00	11.32	10.06	9.85	8.49	9.12	10.27	(10.2%)
9th/[178,182)	11.58	9.97	9.97	9.75	11.25	8.57	8.68	10.18	9.75	10.29	(10%)
10th/[182,199]	9.23	10.10	10.27	10.10	8.88	10.53	10.88	9.75	10.01	10.27	(12.3%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution