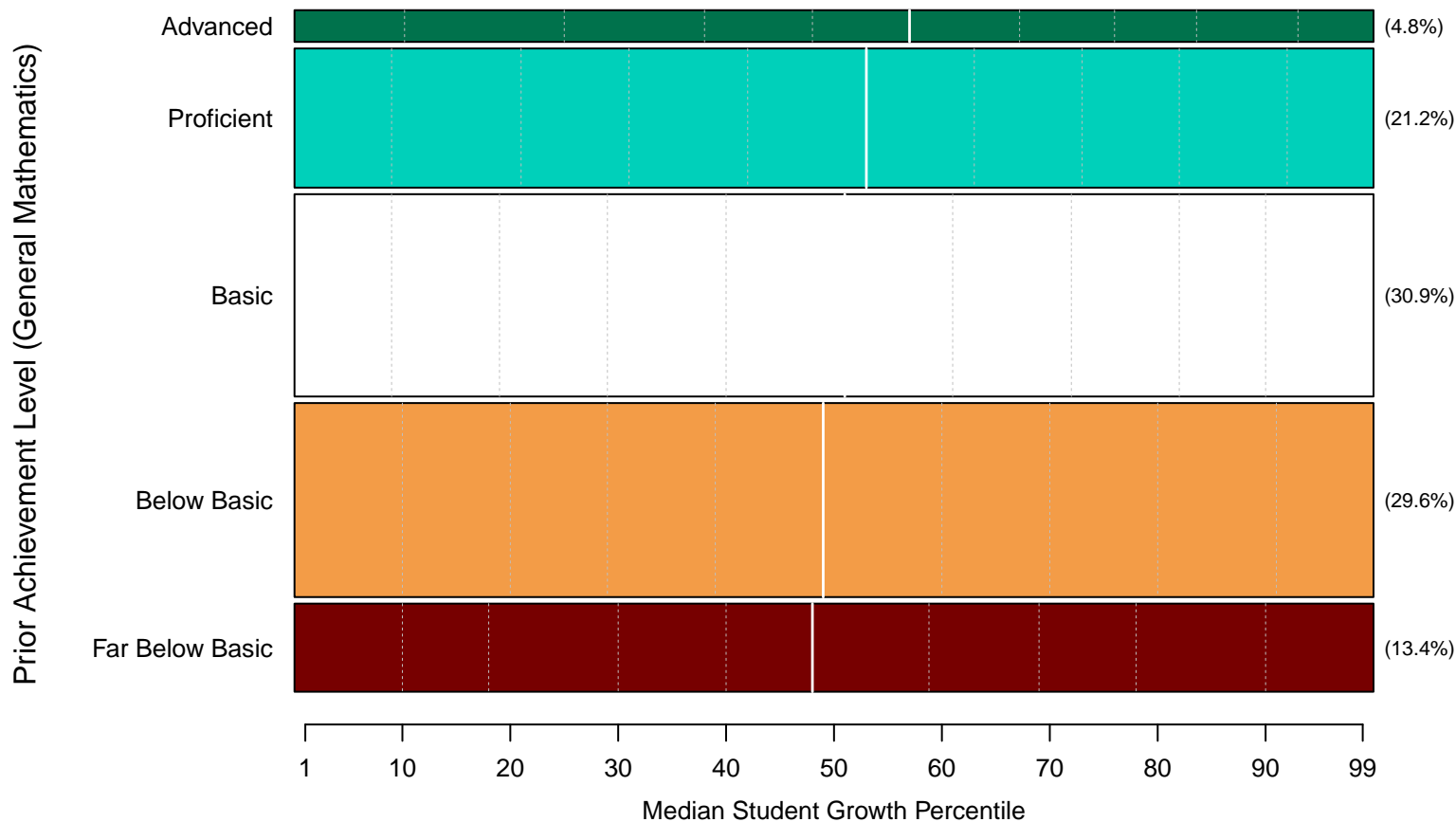# Student Growth Percentile Goodness−of−Fit Descriptives
2012 Biology SGP, Grade EOCT (N = 4,195)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (General Mathematics)

Advanced	(4.8%)
Proficient	(21.2%)
Basic	(30.9%)
Below Basic	(29.6%)
Far Below Basic	(13.4%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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/[182,248)	10.06	11.21	7.18	9.77	11.49	9.77	11.49	10.34	8.05	10.63	(8.3%)
2nd/[248,267)	8.39	13.15	11.56	10.88	9.75	9.52	9.75	8.62	8.62	9.75	(10.5%)
3rd/[267,280)	8.62	6.79	11.49	12.01	9.40	10.44	8.88	12.27	6.01	14.10	(9.1%)
4th/[280,292)	11.84	11.34	10.83	8.82	8.31	9.07	9.57	7.81	10.58	11.84	(9.5%)
5th/[292,309)	9.42	10.62	9.62	8.42	9.82	10.02	8.82	9.82	12.63	10.82	(11.9%)
6th/[309,321)	9.78	10.89	10.89	10.06	7.82	9.22	10.89	8.38	12.57	9.50	(8.5%)
7th/[321,342)	11.88	9.11	8.91	10.30	10.30	9.11	7.52	10.69	10.50	11.68	(12%)
8th/[342,360)	8.91	9.75	9.19	8.64	9.19	9.75	9.75	11.14	12.26	11.42	(8.6%)
9th/[360,389)	10.95	8.88	9.30	8.06	9.92	10.12	8.88	10.12	10.33	13.43	(11.5%)
10th/[389,530]	8.79	8.79	6.89	10.21	9.74	9.98	10.45	10.69	9.98	14.49	(10%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100