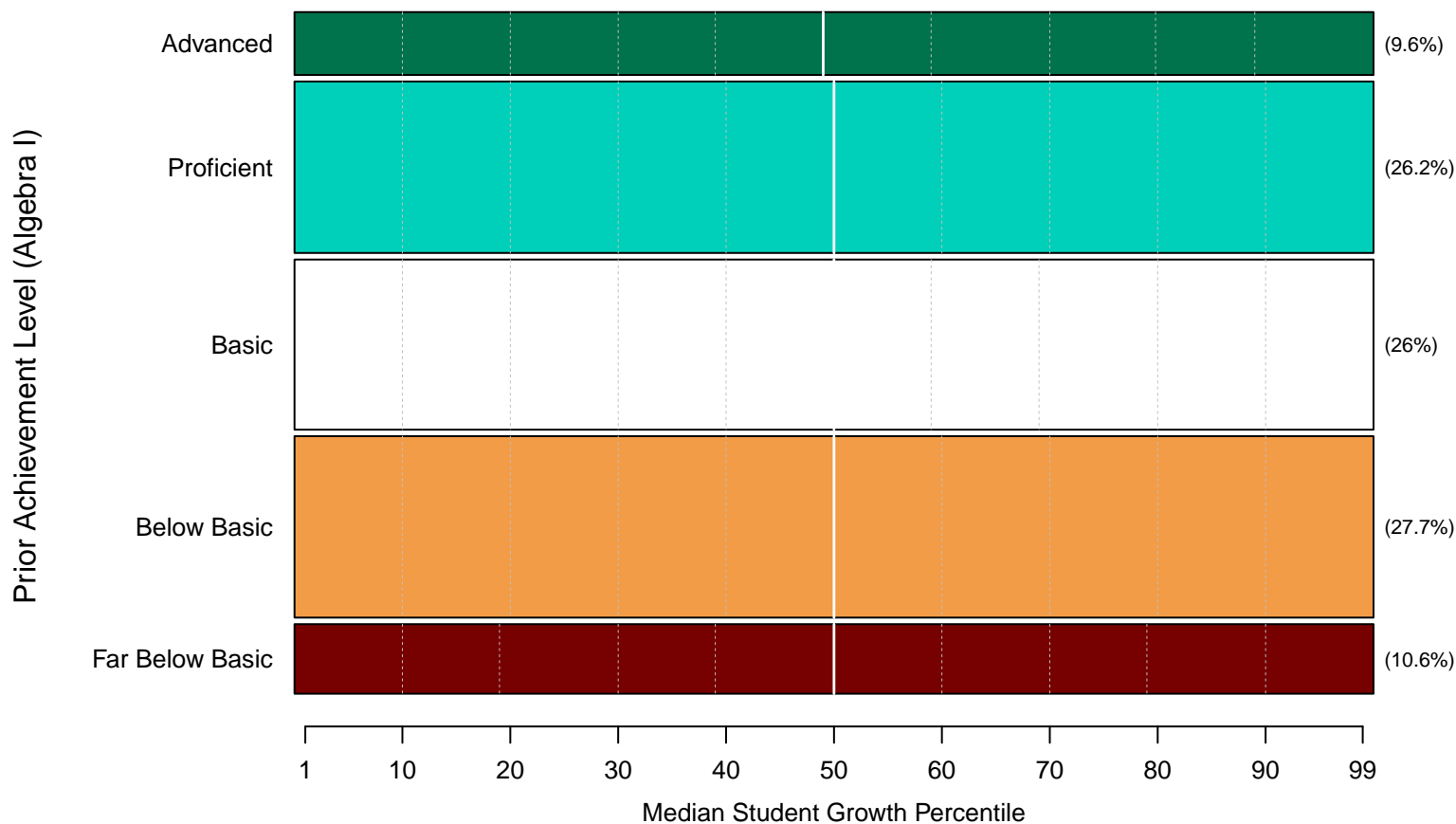# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Biology SGP, Grade EOCT (N = 13,152)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

Level	Percent
Advanced	(9.6%)
Proficient	(26.2%)
Basic	(26%)
Below Basic	(27.7%)
Far Below Basic	(10.6%)

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/[152,252)	10.10	9.45	9.92	10.48	9.73	10.01	9.92	10.29	9.92	10.20	(8.1%)
2nd/[252,274)	8.99	10.64	10.24	8.99	10.24	9.91	9.98	9.65	10.58	10.77	(11.5%)
3rd/[274,289)	9.24	9.32	9.56	10.86	10.45	10.62	10.13	11.10	9.24	9.48	(9.4%)
4th/[289,304)	10.33	10.82	10.16	9.02	8.77	9.67	10.00	9.34	10.66	11.23	(9.3%)
5th/[304,323)	8.42	9.51	10.81	11.16	10.47	9.72	9.79	10.27	9.65	10.20	(11.1%)
6th/[323,342)	10.28	9.54	9.18	9.69	10.72	10.57	9.47	9.54	10.13	10.87	(10.4%)
7th/[342,361)	9.73	10.92	9.90	9.98	8.70	10.07	11.01	9.73	9.81	10.15	(8.9%)
8th/[361,387)	9.12	10.07	10.37	9.71	10.37	9.34	9.04	11.03	10.29	10.66	(10.3%)
9th/[387,423)	10.34	9.95	9.57	9.11	9.95	10.34	11.26	9.04	9.72	10.72	(9.9%)
10th/[423,600]	9.42	9.90	10.31	10.86	10.31	10.03	9.21	10.31	9.83	9.83	(11.1%)

*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