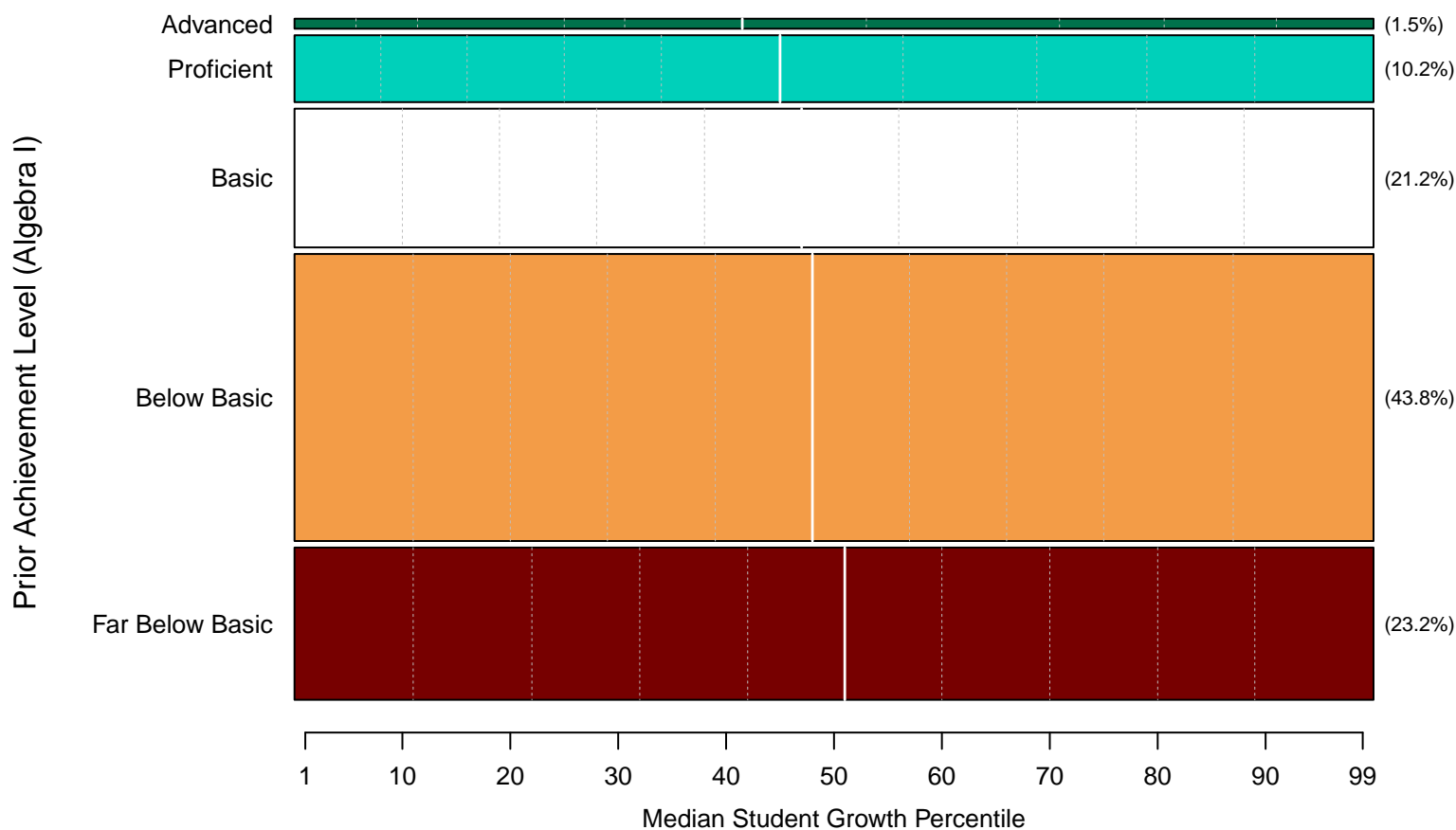# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Biology SGP, Grade EOCT (N = 4,456)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

Level	Percentage
Advanced	(1.5%)
Proficient	(10.2%)
Basic	(21.2%)
Below Basic	(43.8%)
Far Below Basic	(23.2%)

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/[165,240)	8.48	10.22	9.73	7.73	11.22	12.22	10.97	8.48	10.97	9.98	(9%)
2nd/[240,252)	6.12	9.57	9.57	11.17	9.84	11.70	11.97	9.84	12.23	7.98	(8.4%)
3rd/[252,263)	8.81	10.57	9.20	12.52	8.22	7.63	13.31	12.52	8.41	8.81	(11.5%)
4th/[263,274)	10.93	9.07	11.13	9.28	10.10	11.75	10.72	9.48	8.45	9.07	(10.9%)
5th/[274,283)	8.79	9.89	10.99	11.43	11.43	10.33	10.55	7.47	10.33	8.79	(10.2%)
6th/[283,294)	9.22	11.29	9.45	12.90	12.21	10.60	11.29	10.37	5.76	6.91	(9.7%)
7th/[294,308)	9.01	11.65	10.11	10.11	12.31	10.99	9.67	10.11	9.45	6.59	(10.2%)
8th/[308,327)	8.82	11.99	10.18	9.73	11.99	11.09	8.37	10.63	8.37	8.82	(9.9%)
9th/[327,356)	9.76	11.19	9.76	11.67	11.43	8.57	9.05	10.48	8.81	9.29	(9.4%)
10th/[356,600]	11.95	11.74	12.79	9.22	9.01	8.18	7.76	8.81	10.27	10.27	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution