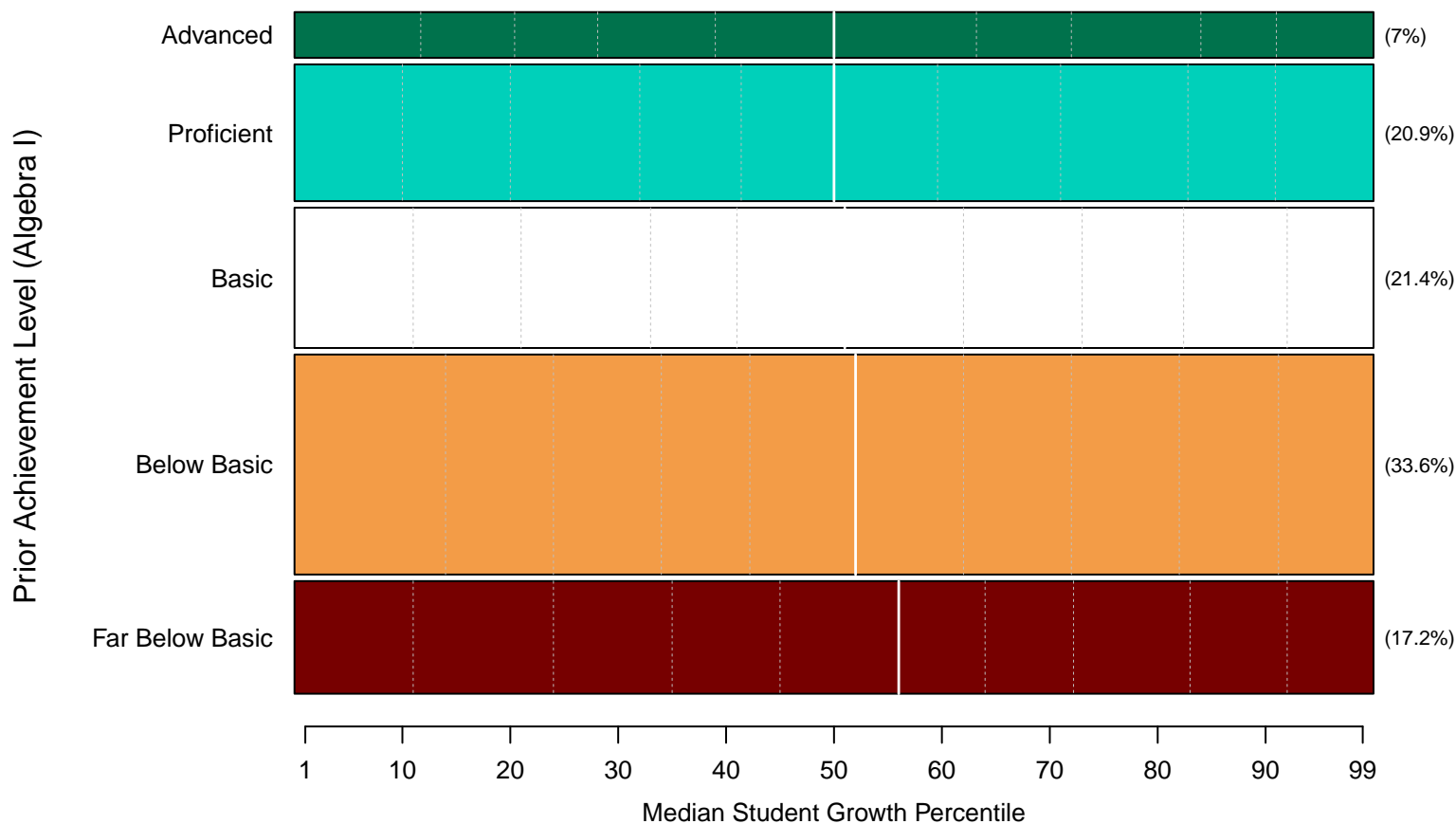# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Life Science SGP, Grade EOCT (N = 3,125)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

Advanced	(7%)
Proficient	(20.9%)
Basic	(21.4%)
Below Basic	(33.6%)
Far Below Basic	(17.2%)

1 10 20 30 40 50 60 70 80 90 99

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/[165,246)	9.51	8.85	10.49	8.20	8.20	9.84	10.49	10.49	12.13	11.80	(9.8%)
2nd/[246,257)	9.05	7.76	6.03	10.78	9.48	12.07	13.36	7.33	9.91	14.22	(7.4%)
3rd/[257,274)	5.05	8.51	8.78	10.90	10.64	10.64	11.44	9.57	10.11	14.36	(12%)
4th/[274,284)	6.78	10.17	10.17	10.59	11.44	9.75	14.41	5.51	10.17	11.02	(7.6%)
5th/[284,299)	7.83	8.41	9.86	13.62	8.99	10.14	9.28	9.28	10.14	12.46	(11%)
6th/[299,318)	7.96	9.55	8.60	12.74	12.42	9.24	9.24	7.96	9.55	12.74	(10%)
7th/[318,346)	8.51	9.84	8.51	9.57	9.57	10.11	10.11	8.78	12.50	12.50	(12%)
8th/[346,371)	9.41	8.71	9.76	8.01	11.85	9.76	8.36	7.67	12.89	13.59	(9.2%)
9th/[371,409)	10.06	9.75	8.81	10.06	11.01	10.38	10.38	9.12	10.69	9.75	(10.2%)
10th/[409,600)	9.52	10.42	10.12	10.12	10.12	8.93	8.93	6.85	12.50	12.50	(10.8%)

*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