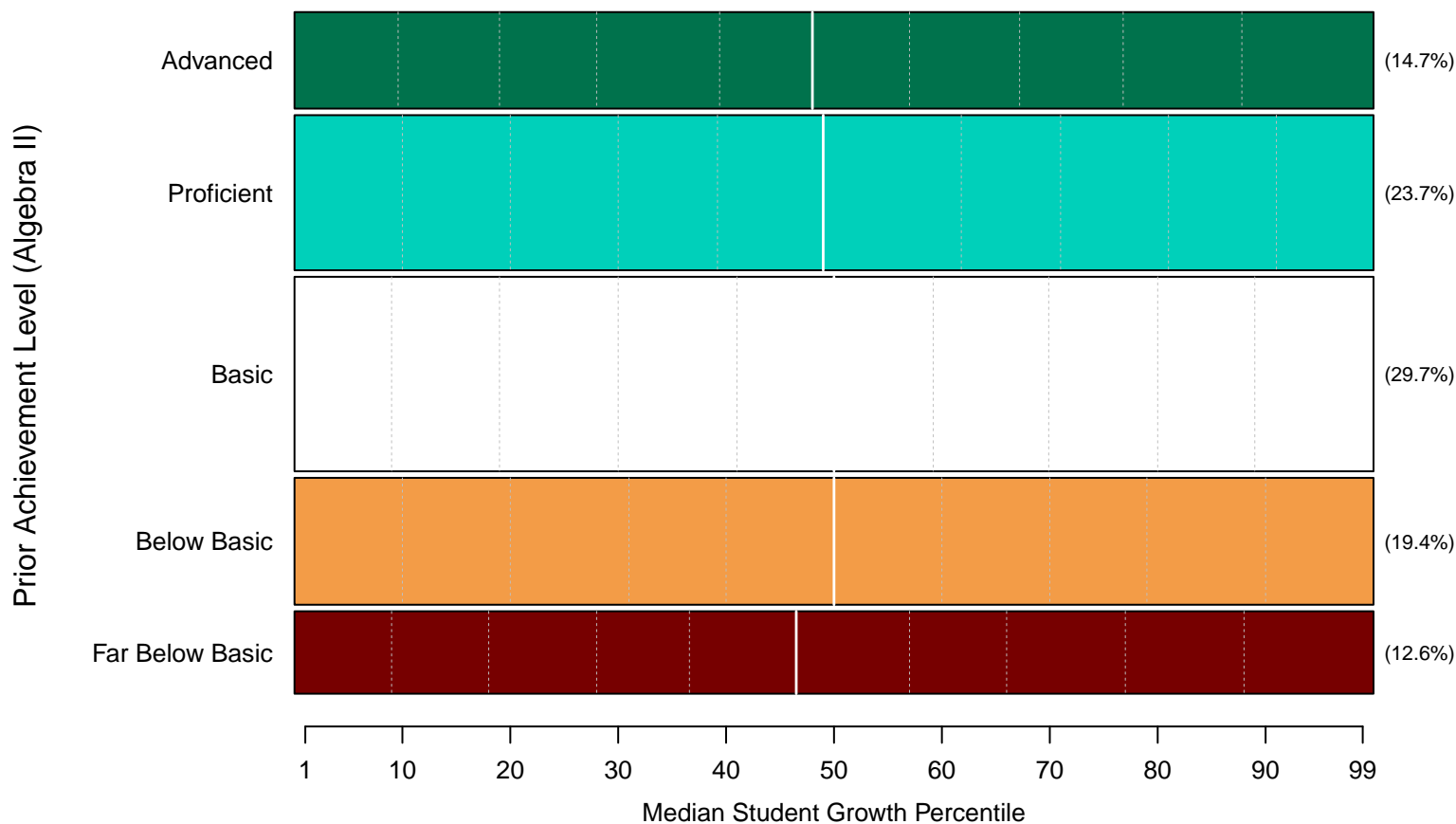# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Biology SGP, Grade EOCT (N = 1,813)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	Percentage
Advanced	(14.7%)
Proficient	(23.7%)
Basic	(29.7%)
Below Basic	(19.4%)
Far Below Basic	(12.6%)

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/[185,250)	11.41	10.07	11.41	10.74	8.05	8.72	10.74	9.40	9.40	10.07	(8.2%)
2nd/[250,275)	11.64	10.05	7.94	8.99	9.52	11.64	9.52	10.05	11.64	8.99	(10.4%)
3rd/[275,293)	8.88	8.88	13.61	13.02	11.83	7.10	9.47	11.24	6.51	9.47	(9.3%)
4th/[293,316)	9.68	9.68	8.76	9.22	10.14	10.60	11.06	11.06	9.68	10.14	(12%)
5th/[316,330)	8.57	9.29	11.43	8.57	9.29	9.29	9.29	6.43	14.29	13.57	(7.7%)
6th/[330,349)	11.11	10.14	8.21	9.66	9.66	13.53	9.66	10.14	9.18	8.70	(11.4%)
7th/[349,369)	12.50	11.36	9.66	10.80	7.95	7.95	9.09	9.09	9.66	11.93	(9.7%)
8th/[369,391)	7.60	8.77	8.77	11.11	14.04	11.11	8.77	12.28	9.36	8.19	(9.4%)
9th/[391,441)	7.92	10.40	12.87	8.91	8.91	6.93	12.87	10.40	9.90	10.89	(11.1%)
10th/[441,600]	12.44	10.36	8.29	9.84	10.88	10.88	9.84	7.77	10.36	9.33	(10.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution