Student Growth Percentile Goodness–of–Fit Descriptives
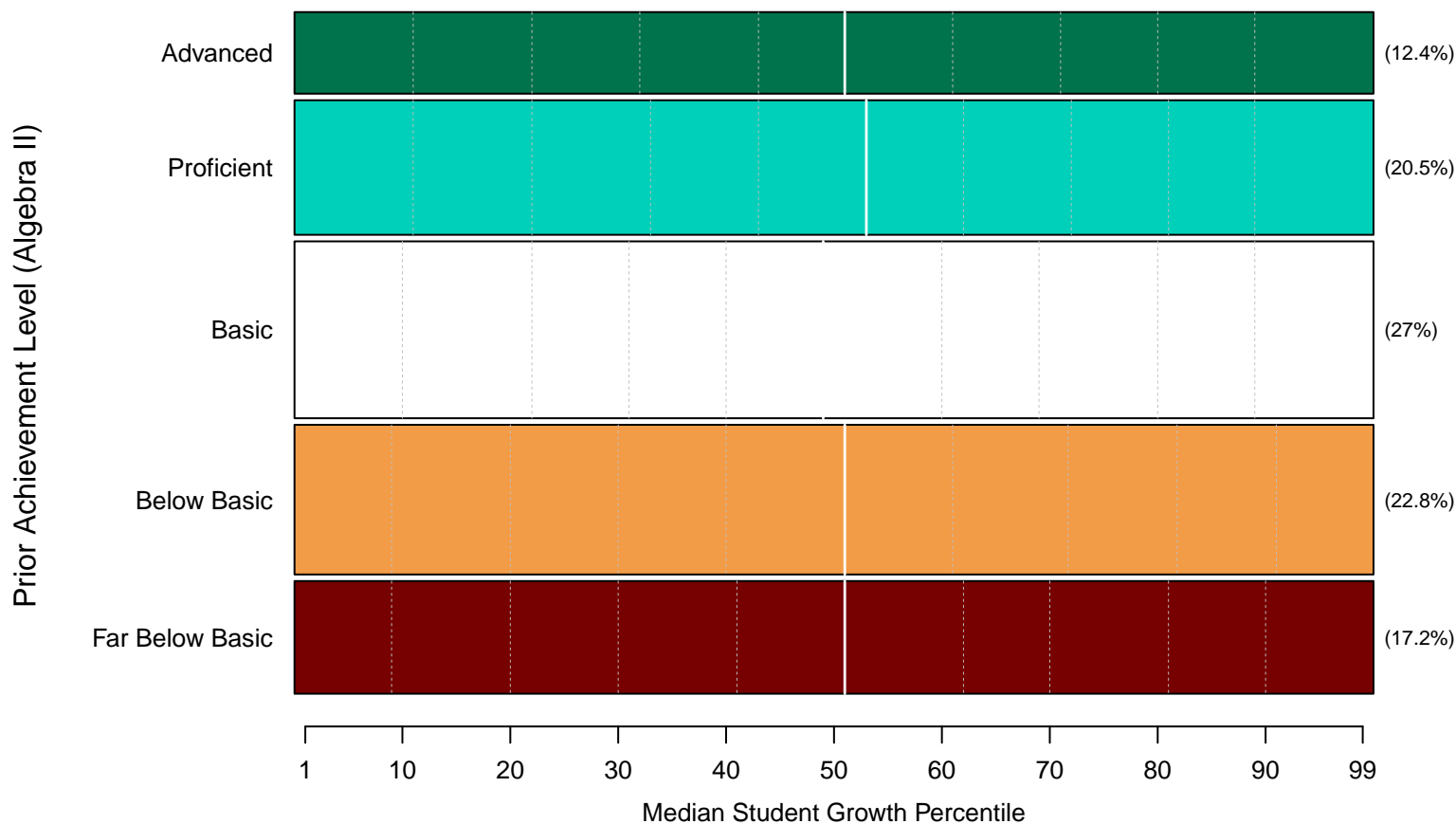
2012 Biology SGP, Grade EOCT (N = 3,205)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	(%)
Advanced	(12.4%)
Proficient	(20.5%)
Basic	(27%)
Below Basic	(22.8%)
Far Below Basic	(17.2%)

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/[150,243)	10.06	9.42	10.06	8.12	9.42	8.12	12.34	9.09	10.06	13.31	(9.6%)
2nd/[243,264)	10.79	8.25	9.21	13.02	10.48	10.16	9.21	9.52	11.43	7.94	(9.8%)
3rd/[264,283)	9.61	11.11	10.21	8.11	9.01	11.41	8.41	11.41	9.61	11.11	(10.4%)
4th/[283,297)	11.67	5.84	8.56	12.45	9.34	9.73	8.56	12.45	10.51	10.89	(8%)
5th/[297,315)	10.30	10.30	10.30	9.39	10.00	10.61	10.91	9.70	10.30	8.18	(10.3%)
6th/[315,338)	9.26	10.32	8.99	9.52	10.85	8.73	11.38	11.11	10.32	9.52	(11.8%)
7th/[338,358)	7.33	7.67	11.33	13.00	10.67	9.00	11.00	6.67	12.67	10.67	(9.4%)
8th/[358,384)	8.54	10.37	6.40	10.98	10.67	10.67	9.15	11.59	10.98	10.67	(10.2%)
9th/[384,424)	10.42	7.17	9.77	9.12	7.82	11.40	12.70	11.40	10.10	10.10	(9.6%)
10th/[424,600]	8.31	9.74	8.88	10.03	10.60	8.88	11.46	10.03	13.47	8.60	(10.9%)

*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