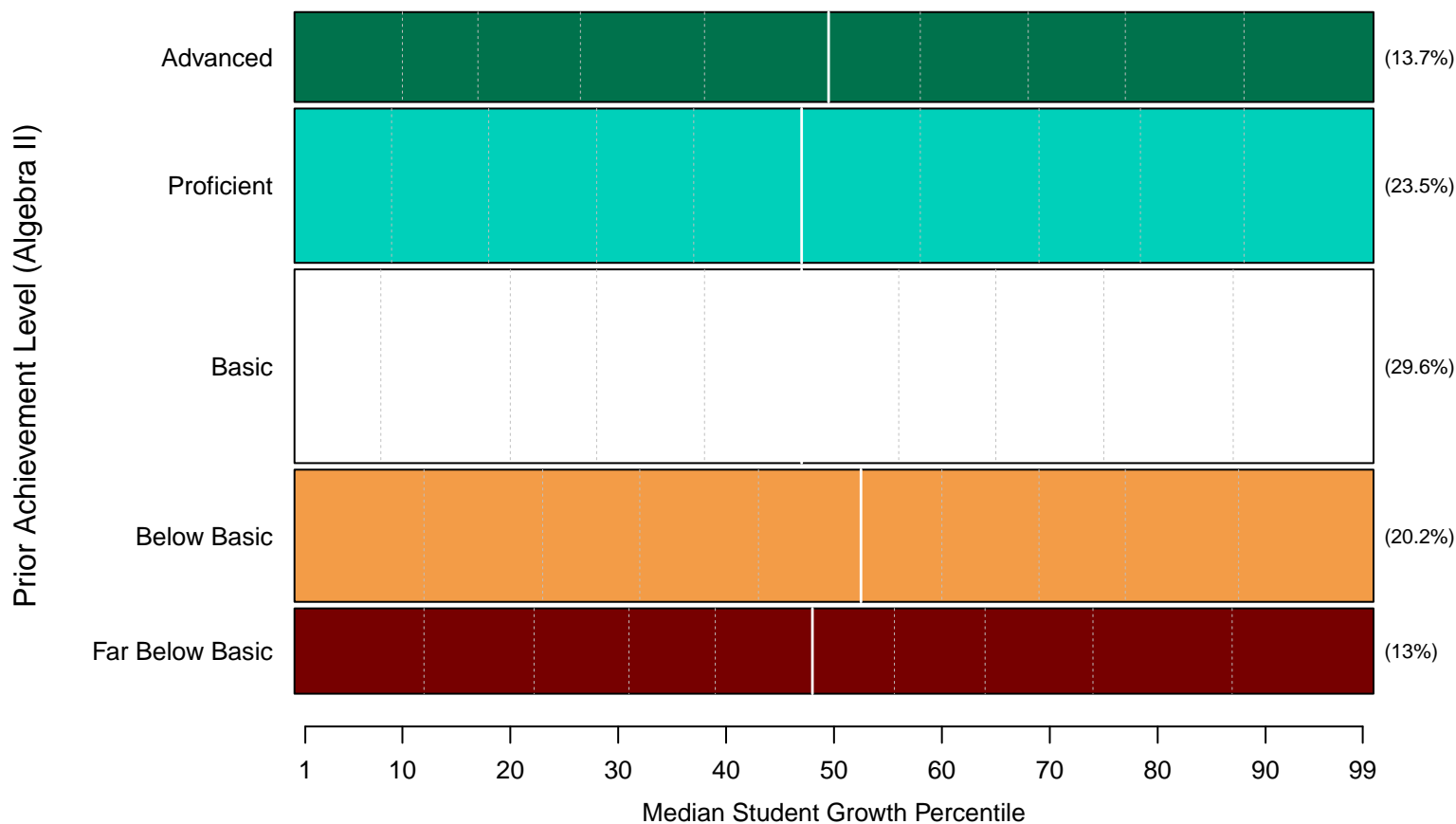# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Biology SGP, Grade EOCT (N = 2,013)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	(%)
Advanced	(13.7%)
Proficient	(23.5%)
Basic	(29.6%)
Below Basic	(20.2%)
Far Below Basic	(13%)

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/[167,250)	8.24	11.76	10.59	10.00	11.18	10.59	9.41	10.00	10.00	8.24	(8.4%)
2nd/[250,275)	7.14	9.38	9.82	9.38	10.27	11.16	12.95	10.27	10.71	8.93	(11.1%)
3rd/[275,293)	7.89	10.00	10.00	13.16	10.00	11.58	12.11	8.95	7.89	8.42	(9.4%)
4th/[293,311)	9.14	9.64	9.14	10.15	9.64	15.74	8.63	8.12	11.17	8.63	(9.8%)
5th/[311,330)	10.85	6.13	13.21	12.26	9.91	9.43	8.96	9.43	11.32	8.49	(10.5%)
6th/[330,344)	11.32	11.32	11.95	8.81	12.58	12.58	9.43	10.06	4.40	7.55	(7.9%)
7th/[344,364)	12.56	9.18	11.11	12.56	8.70	13.04	9.66	7.25	9.66	6.28	(10.3%)
8th/[364,391)	11.81	8.02	10.97	8.86	14.77	9.70	8.02	10.97	9.70	7.17	(11.8%)
9th/[391,433)	8.72	14.36	10.26	9.23	8.72	5.13	13.85	11.28	10.26	8.21	(9.7%)
10th/[433,600]	10.36	13.51	8.56	8.11	7.66	13.51	8.11	10.36	10.36	9.46	(11%)

*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