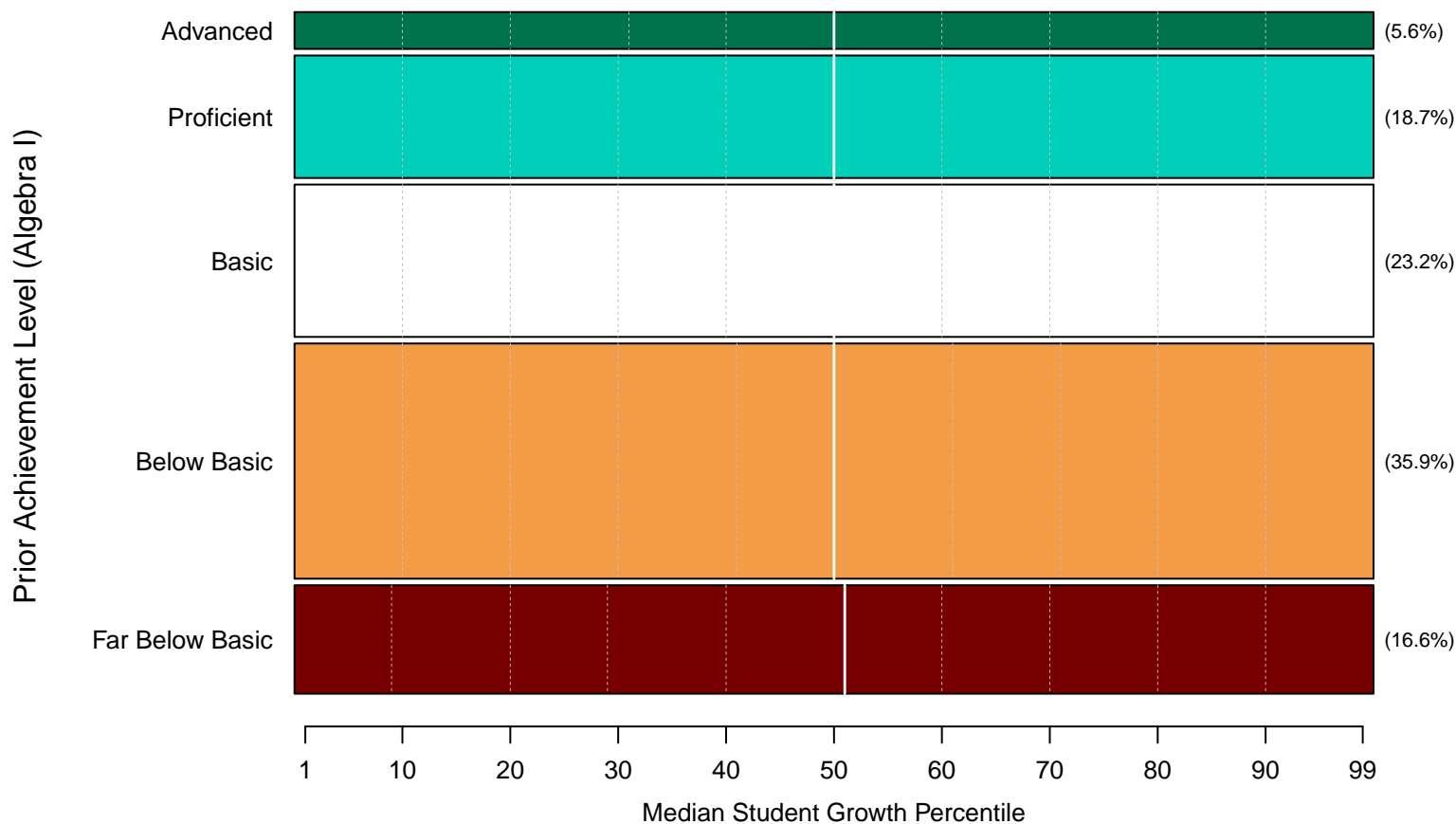# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Biology SGP, Grade EOCT (N = 30,355)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)

- Advanced (5.6%)
- Proficient (18.7%)
- Basic (23.2%)
- Below Basic (35.9%)
- Far Below Basic (16.6%)

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/[150,245)	9.56	9.98	10.83	9.95	9.77	9.41	10.09	9.66	10.37	10.37	(9.3%)
2nd/[245,256)	11.00	8.10	11.05	9.19	8.51	11.05	10.50	9.69	9.96	10.96	(7.3%)
3rd/[256,273)	9.20	10.65	10.05	8.39	11.37	9.46	9.72	10.21	9.74	11.22	(12.7%)
4th/[273,283)	10.82	9.49	9.23	11.61	9.53	9.23	10.51	9.04	10.89	9.64	(8.7%)
5th/[283,298)	8.90	10.91	9.86	8.46	9.31	10.80	10.30	11.03	9.86	10.56	(11.3%)
6th/[298,313)	9.45	9.12	10.16	10.42	8.90	10.86	10.56	10.01	10.23	10.30	(8.9%)
7th/[313,336)	9.31	10.41	9.56	10.07	10.55	9.62	9.82	9.20	10.30	11.17	(11.7%)
8th/[336,361)	9.38	9.42	9.84	9.77	10.20	9.95	10.16	11.02	9.99	10.27	(9.2%)
9th/[361,398)	10.23	9.77	10.33	9.71	9.97	10.66	9.01	9.31	9.94	11.06	(10%)
10th/[398,600]	9.29	9.96	9.90	10.38	9.87	9.23	10.71	10.35	10.02	10.29	(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: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100