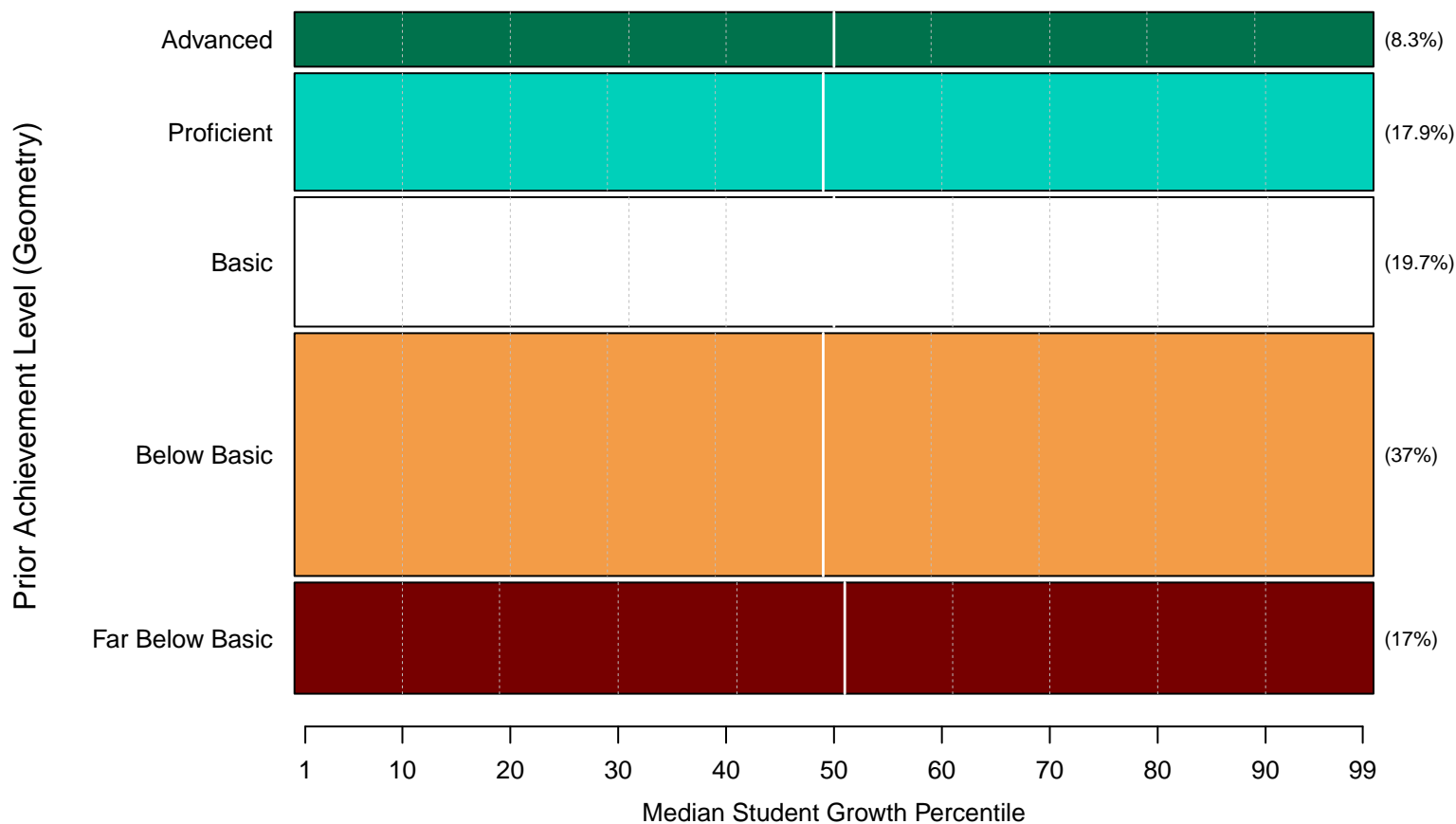# Student Growth Percentile Goodness–of–Fit Descriptives
2010 Biology SGP, Grade EOCT (N = 7,793)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

Level	Percent
Advanced	(8.3%)
Proficient	(17.9%)
Basic	(19.7%)
Below Basic	(37%)
Far Below Basic	(17%)

Median Student Growth Percentile: 1 10 20 30 40 50 60 70 80 90 99

Student Growth Percentile Range

Prior Scale Score Decile/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/[164,233)	9.90	9.90	10.22	9.90	10.38	10.22	8.63	10.54	10.70	9.58	(8%)
2nd/[233,248)	9.91	10.49	8.48	9.34	9.05	10.78	10.63	10.34	9.48	11.49	(8.9%)
3rd/[248,262)	10.20	10.59	10.84	10.71	9.82	9.82	10.84	8.67	9.06	9.44	(10.1%)
4th/[262,279)	8.21	9.88	9.46	9.36	11.33	10.29	9.15	10.50	10.91	10.91	(12.3%)
5th/[279,296)	11.44	10.32	10.32	9.33	9.20	9.70	9.33	10.95	9.70	9.70	(10.3%)
6th/[296,316)	9.07	9.45	10.83	10.83	10.45	10.71	9.70	8.56	9.95	10.45	(10.2%)
7th/[316,337)	8.38	10.55	9.10	10.84	10.26	8.53	10.40	9.97	10.40	11.56	(8.9%)
8th/[337,371)	10.21	9.75	9.63	8.26	9.52	11.81	10.21	10.67	10.21	9.75	(11.2%)
9th/[371,406)	9.44	10.14	13.80	10.00	10.00	8.03	10.28	9.30	8.73	10.28	(9.1%)
10th/[406,600)	10.08	9.61	8.44	10.32	10.20	10.67	9.38	10.90	10.08	10.32	(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