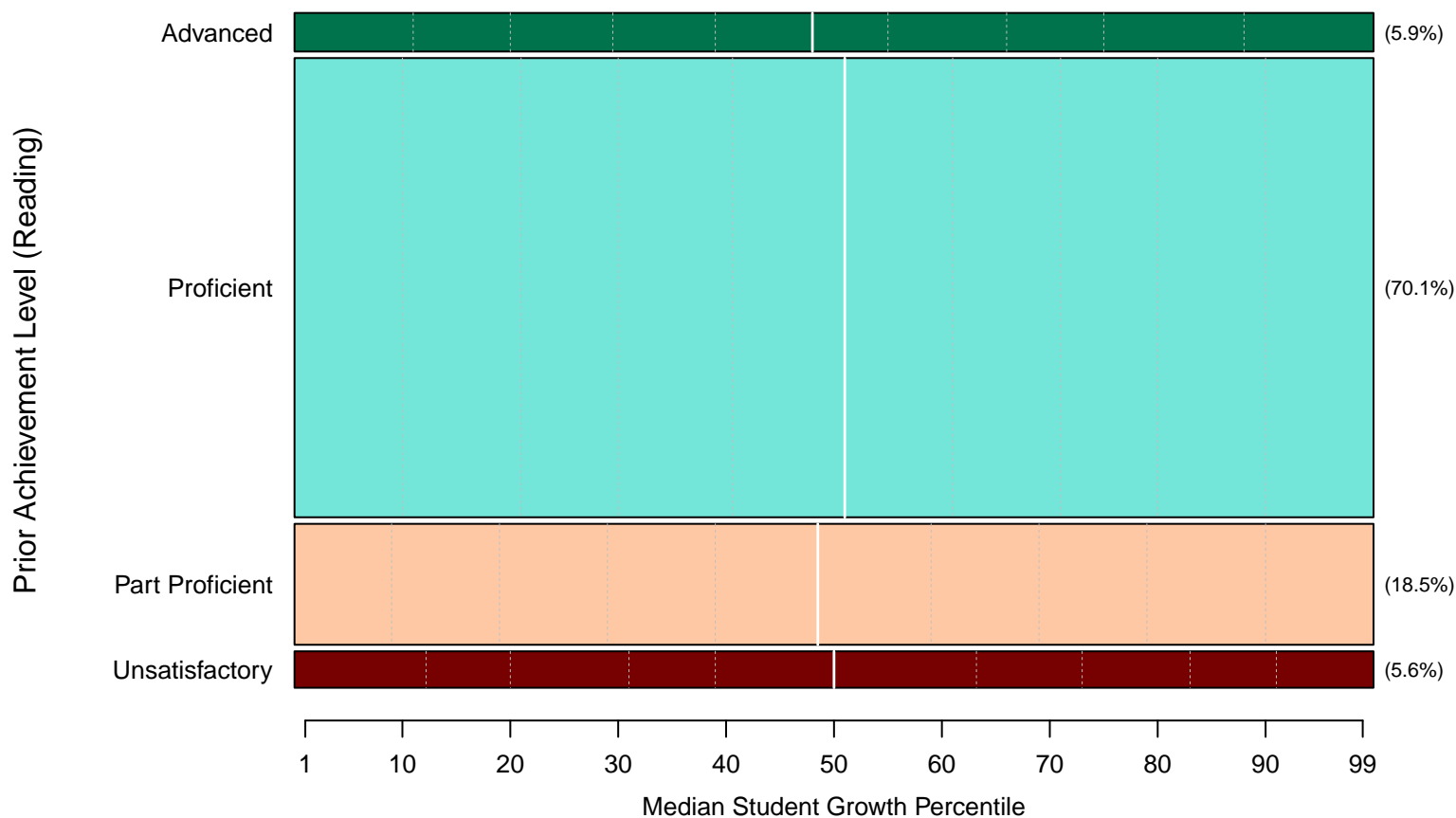# Student Growth Percentile Goodness–of–Fit Descriptives

2009–2010 Reading SGP, Grade 5 (N = 4,009)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

- Advanced (5.9%)
- Proficient (70.1%)
- Part Proficient (18.5%)
- Unsatisfactory (5.6%)

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/[180,538)	8.10	10.13	10.38	11.14	9.87	8.35	11.14	11.65	9.37	9.87	(9.9%)
2nd/[538,564)	10.74	10.23	9.97	11.25	10.74	8.44	10.23	7.42	9.72	11.25	(9.8%)
3rd/[564,582)	8.37	10.59	10.34	9.11	10.34	9.61	8.13	10.84	10.10	12.56	(10.1%)
4th/[582,595)	9.21	8.70	10.74	9.72	9.72	9.97	10.49	11.25	10.74	9.46	(9.8%)
5th/[595,607)	9.69	9.69	9.44	11.14	8.47	12.11	12.11	10.41	8.47	8.47	(10.3%)
6th/[607,618)	9.70	11.94	8.21	9.45	11.44	8.96	8.96	9.70	10.45	11.19	(10%)
7th/[618,629)	9.11	9.37	11.65	9.62	8.61	8.86	9.62	9.62	10.63	12.91	(9.9%)
8th/[629,641)	9.87	10.38	8.86	8.86	11.90	10.63	9.11	9.87	9.87	10.63	(9.9%)
9th/[641,659)	10.48	8.10	10.71	11.19	9.52	10.71	7.62	12.14	9.76	9.76	(10.5%)
10th/[659,799)	8.23	10.72	9.73	10.47	9.48	10.97	11.97	8.73	10.22	9.48	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution