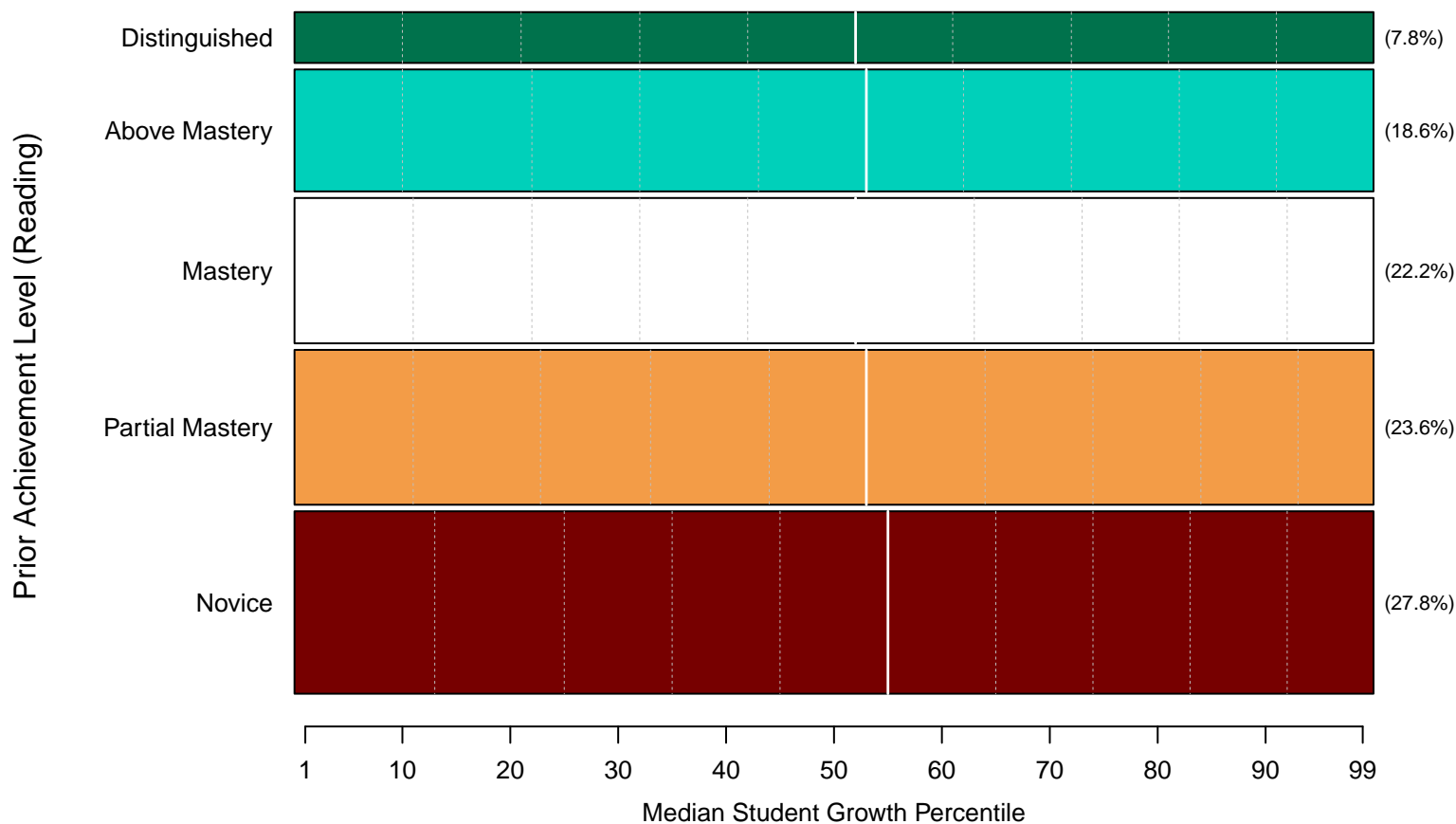# Student Growth Percentile Goodness–of–Fit Descriptives

2011–2012 Reading SGP, Grade 5 (N = 18,940)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading):

- Distinguished (7.8%)
- Above Mastery (18.6%)
- Mastery (22.2%)
- Partial Mastery (23.6%)
- Novice (27.8%)

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/[133,393)	6.62	7.28	8.83	8.72	10.43	10.98	12.31	10.54	11.75	12.53	(9.6%)
2nd/[393,414)	6.53	8.76	10.09	9.54	10.65	9.37	10.65	11.49	10.93	11.99	(9.5%)
3rd/[414,430)	7.94	9.69	8.81	11.23	9.49	9.44	9.25	10.02	11.19	12.93	(10.9%)
4th/[430,440)	8.27	8.21	9.23	10.12	10.06	10.12	9.36	9.74	11.08	13.81	(8.3%)
5th/[440,451)	7.97	8.48	9.81	8.07	9.45	10.42	10.52	10.42	11.39	13.48	(10.3%)
6th/[451,462)	8.10	8.90	9.64	9.39	10.39	10.24	9.05	9.94	10.54	13.82	(10.6%)
7th/[462,471)	8.66	9.99	10.10	9.12	10.61	9.64	9.74	9.02	11.99	11.12	(10.3%)
8th/[471,482)	9.81	9.65	8.26	9.65	9.76	9.29	10.58	10.84	9.65	12.49	(10.2%)
9th/[482,497)	8.64	9.28	9.33	9.33	9.65	10.67	10.29	9.92	11.04	11.84	(9.9%)
10th/[497,612]	9.97	8.19	9.72	9.82	9.82	10.48	10.33	10.12	9.82	11.75	(10.4%)

*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