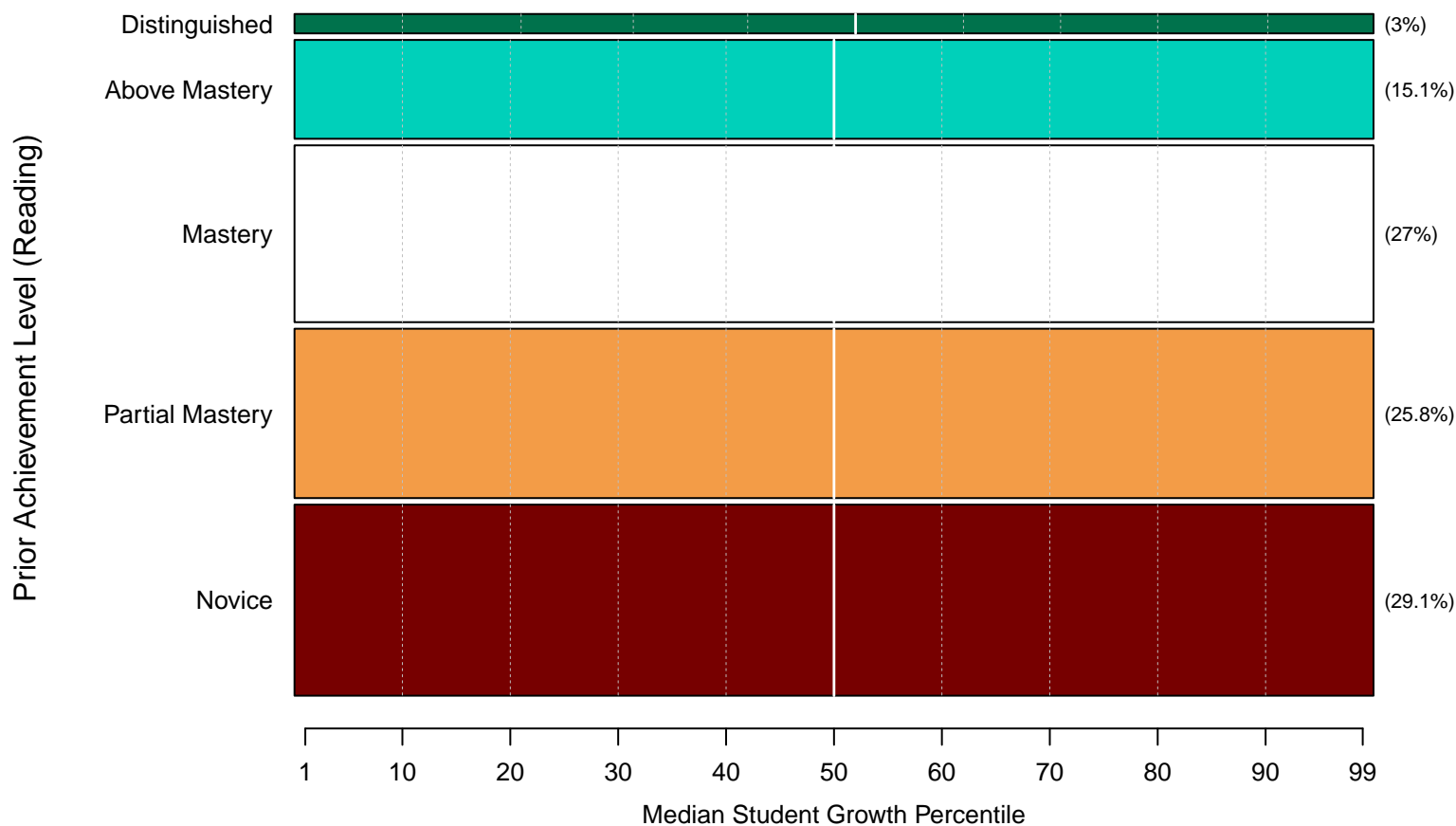# Student Growth Percentile Goodness-of-Fit Descriptives
2012–2013 Reading SGP, Grade 5 (N = 19,231)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading):
- Distinguished (3%)
- Above Mastery (15.1%)
- Mastery (27%)
- Partial Mastery (25.8%)
- Novice (29.1%)

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/[133,397)	9.53	9.79	9.90	9.53	9.95	10.00	10.89	9.95	9.79	10.68	(10%)
2nd/[397,415)	10.14	9.24	10.72	10.88	9.87	9.50	9.02	9.66	10.99	9.98	(9.8%)
3rd/[415,428)	9.31	10.82	9.05	10.04	10.46	9.94	9.73	10.61	9.57	10.46	(10%)
4th/[428,438)	8.85	10.00	10.00	9.13	9.62	10.27	10.27	10.33	10.16	11.37	(9.5%)
5th/[438,446)	9.25	11.03	9.38	10.97	9.93	9.68	10.23	8.46	10.85	10.23	(8.5%)
6th/[446,456)	9.99	9.09	10.62	10.31	9.27	9.54	10.17	11.03	9.58	10.40	(11.5%)
7th/[456,464)	8.83	9.98	9.62	9.62	10.82	11.13	9.10	9.93	10.61	10.35	(9.9%)
8th/[464,472)	10.26	10.74	9.61	10.08	10.38	9.79	10.26	9.67	8.84	10.38	(8.8%)
9th/[472,486)	9.12	9.35	10.59	9.70	9.79	9.57	10.19	10.15	10.73	10.81	(11.7%)
10th/[486,565]	9.67	10.33	9.52	10.23	10.03	10.38	9.92	9.87	9.77	10.28	(10.3%)

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

QQ-Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution