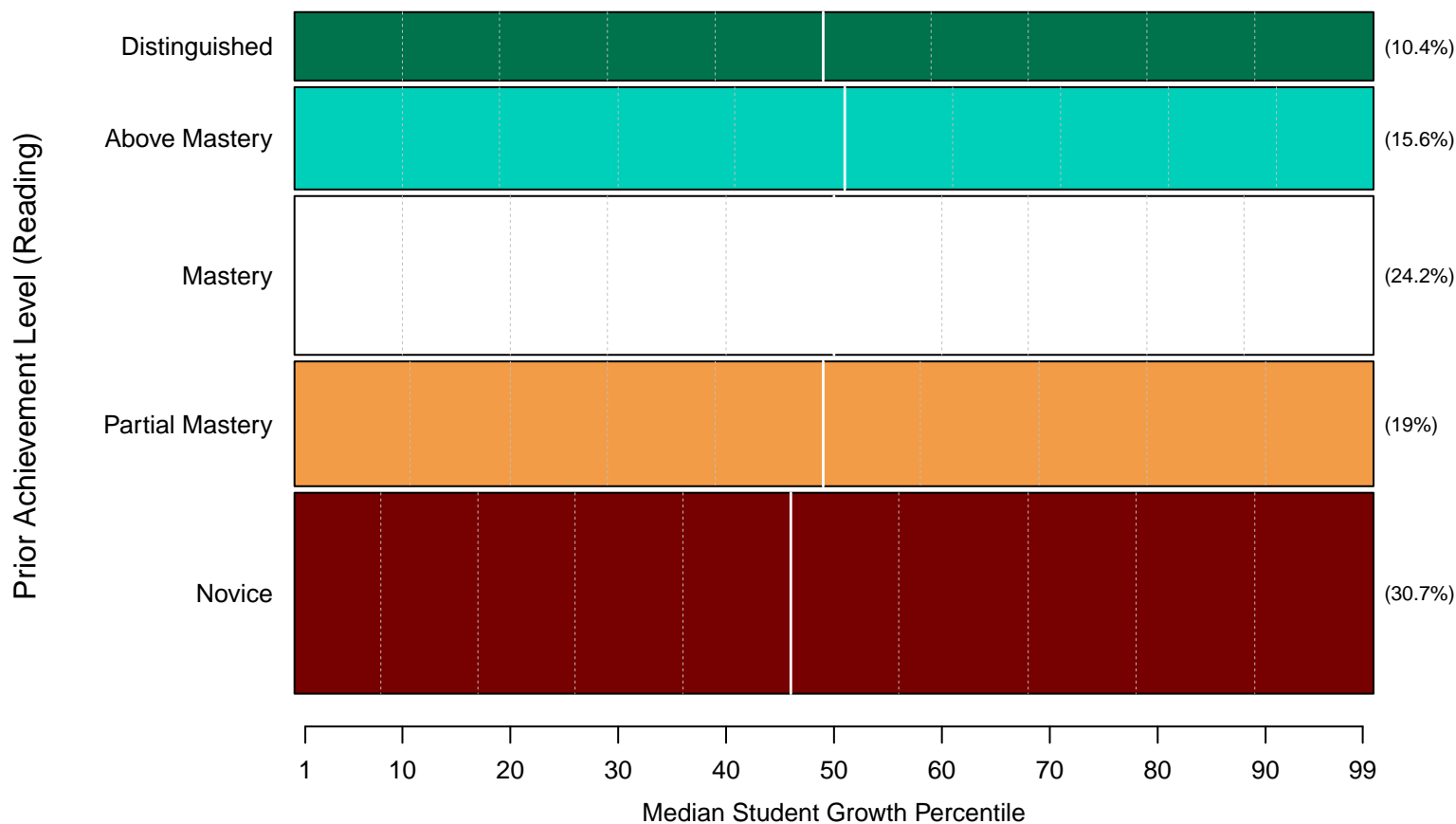# Student Growth Percentile Goodness–of–Fit Descriptives
2012–2013 Reading SGP, Grade 4 (N = 18,683)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

Level	Percentage
Distinguished	(10.4%)
Above Mastery	(15.6%)
Mastery	(24.2%)
Partial Mastery	(19%)
Novice	(30.7%)

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/[130,383)	15.18	13.21	10.79	10.06	10.91	8.99	7.31	6.97	7.31	9.27	(9.5%)
2nd/[383,403)	9.66	10.82	10.71	10.92	9.39	9.66	9.23	11.40	8.87	9.34	(10.1%)
3rd/[403,416)	9.92	10.59	8.70	8.81	10.48	9.59	11.53	10.92	9.76	9.70	(9.7%)
4th/[416,427)	9.30	9.99	11.65	10.15	10.53	11.22	8.77	9.89	8.44	10.05	(10%)
5th/[427,437)	8.67	10.79	9.91	11.41	9.50	10.79	9.34	9.71	9.60	10.27	(10.4%)
6th/[437,445)	9.99	10.64	11.46	9.52	9.94	9.64	11.05	9.23	10.17	8.35	(9.1%)
7th/[445,456)	8.53	9.82	10.56	9.60	9.82	9.49	10.56	12.48	9.94	9.20	(9.5%)
8th/[456,469)	10.00	11.24	8.46	9.70	9.05	10.65	9.75	10.40	10.40	10.35	(10.8%)
9th/[469,487)	9.53	10.14	9.58	9.32	11.11	9.32	9.93	9.53	10.55	11.00	(10.5%)
10th/[487,700]	9.58	10.91	10.60	10.25	10.40	9.02	9.99	10.19	9.12	9.94	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution