Student Growth Percentile Goodness–of–Fit Descriptives
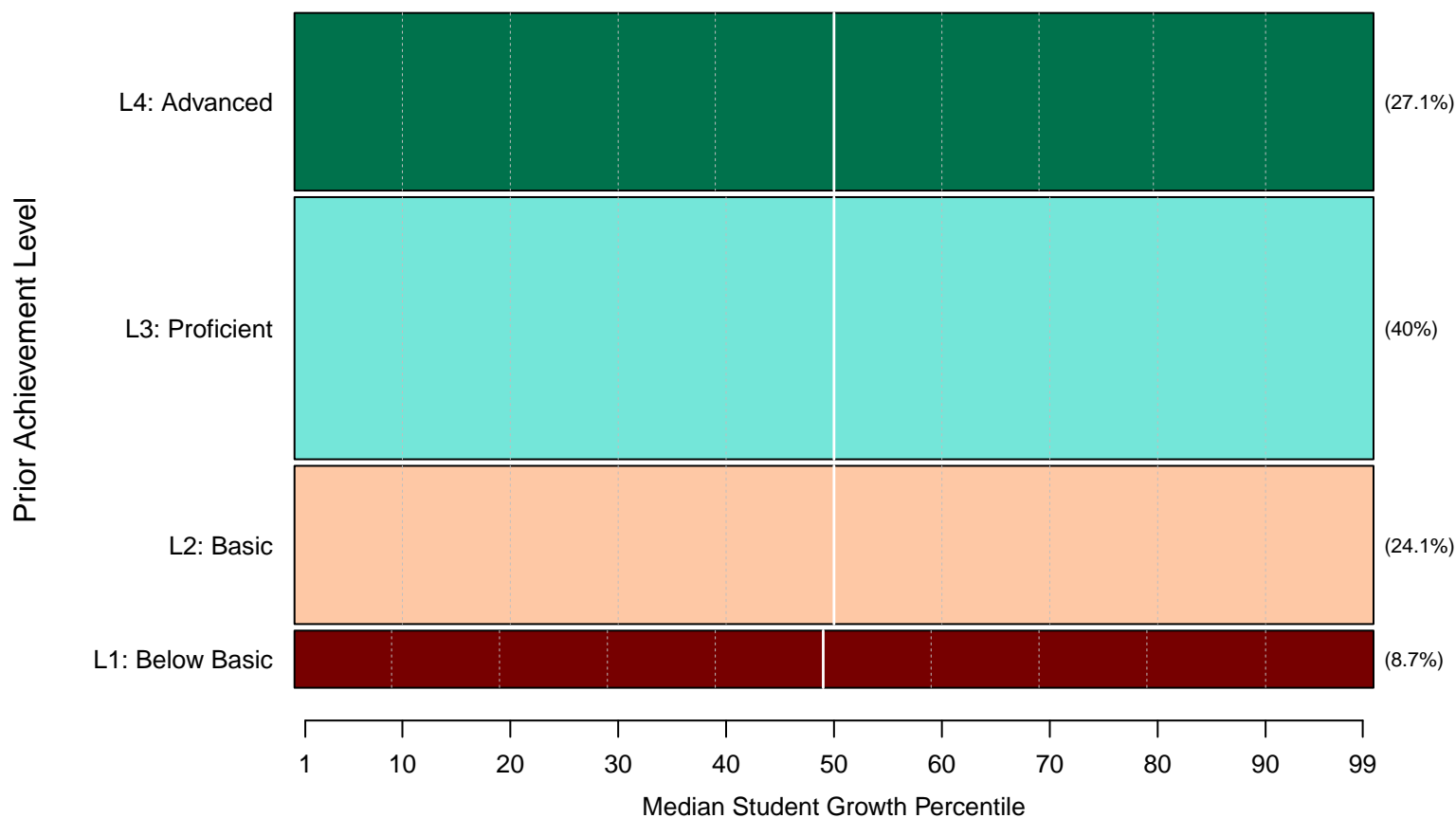## 2011–2012 Reading SGP, Grade 5 (N = 72,659)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

- L4: Advanced — (27.1%)
- L3: Proficient — (40%)
- L2: Basic — (24.1%)
- L1: Below Basic — (8.7%)

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/[275,375)	10.21	10.30	10.27	10.05	9.50	10.07	9.86	9.99	9.70	10.05	(8.7%)
2nd/[375,388)	9.65	9.73	9.85	10.19	10.45	9.31	9.81	9.89	10.39	10.72	(11.2%)
3rd/[388,396)	8.25	10.42	9.70	9.77	9.76	10.49	10.12	11.04	9.25	11.19	(9.2%)
4th/[396,401)	10.27	10.08	9.94	9.94	10.93	11.07	9.61	8.91	9.64	9.59	(7.9%)
5th/[401,407)	9.46	9.97	9.68	10.14	9.53	9.72	10.63	9.59	10.43	10.84	(9.9%)
6th/[407,415)	10.00	10.09	10.64	9.68	9.66	9.61	9.09	10.73	9.71	10.79	(12.1%)
7th/[415,419)	9.21	10.01	10.71	10.53	8.41	10.16	10.92	10.57	9.95	9.54	(6.7%)
8th/[419,424)	9.13	9.80	9.45	9.88	11.95	9.95	9.70	8.76	10.59	10.80	(7.2%)
9th/[424,439)	9.81	10.03	9.62	10.79	9.48	10.29	9.61	10.26	9.60	10.51	(14.6%)
10th/[439,475]	9.60	9.76	10.51	10.13	9.92	9.79	10.80	9.62	10.07	9.81	(12.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution