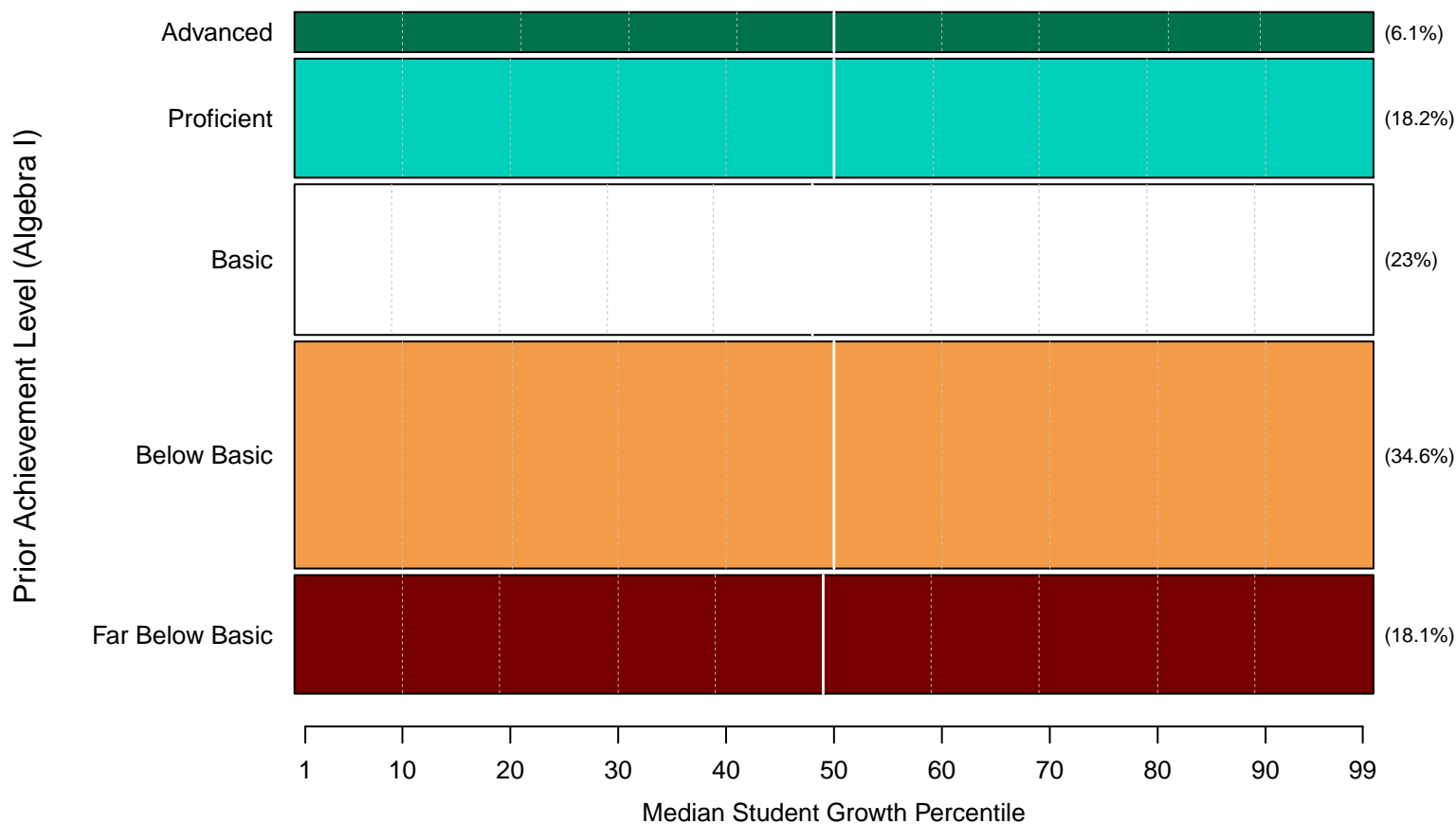# Student Growth Percentile Goodness–of–Fit Descriptives
2012 Life Science SGP, Grade EOCT (N = 3,210)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra I)	Percentage
Advanced	(6.1%)
Proficient	(18.2%)
Basic	(23%)
Below Basic	(34.6%)
Far Below Basic	(18.1%)

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/[150,240)	11.11	9.13	9.92	9.92	9.13	10.71	10.71	9.52	9.92	9.92	(7.9%)
2nd/[240,257)	9.06	10.88	9.37	10.57	10.88	9.06	9.67	8.76	11.48	10.27	(10.3%)
3rd/[257,269)	9.19	9.19	13.43	9.89	9.19	11.31	8.48	10.95	7.07	11.31	(8.8%)
4th/[269,284)	11.33	8.67	10.36	8.92	7.47	13.01	10.12	10.12	9.40	10.60	(12.9%)
5th/[284,294)	7.79	9.09	7.36	10.82	14.29	6.93	9.96	9.52	13.85	10.39	(7.2%)
6th/[294,313)	10.29	11.35	9.50	13.98	10.55	8.44	10.82	8.18	8.71	8.18	(11.8%)
7th/[313,332)	9.72	11.91	11.91	5.96	6.90	11.29	10.97	9.72	9.72	11.91	(9.9%)
8th/[332,361)	9.91	7.12	9.29	11.15	11.46	10.53	9.29	11.46	9.91	9.91	(10.1%)
9th/[361,404)	9.38	9.38	9.38	9.68	10.56	9.38	10.56	9.97	10.85	10.85	(10.6%)
10th/[404,600]	9.82	10.71	10.42	10.42	9.82	10.71	9.82	8.33	10.12	9.82	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution