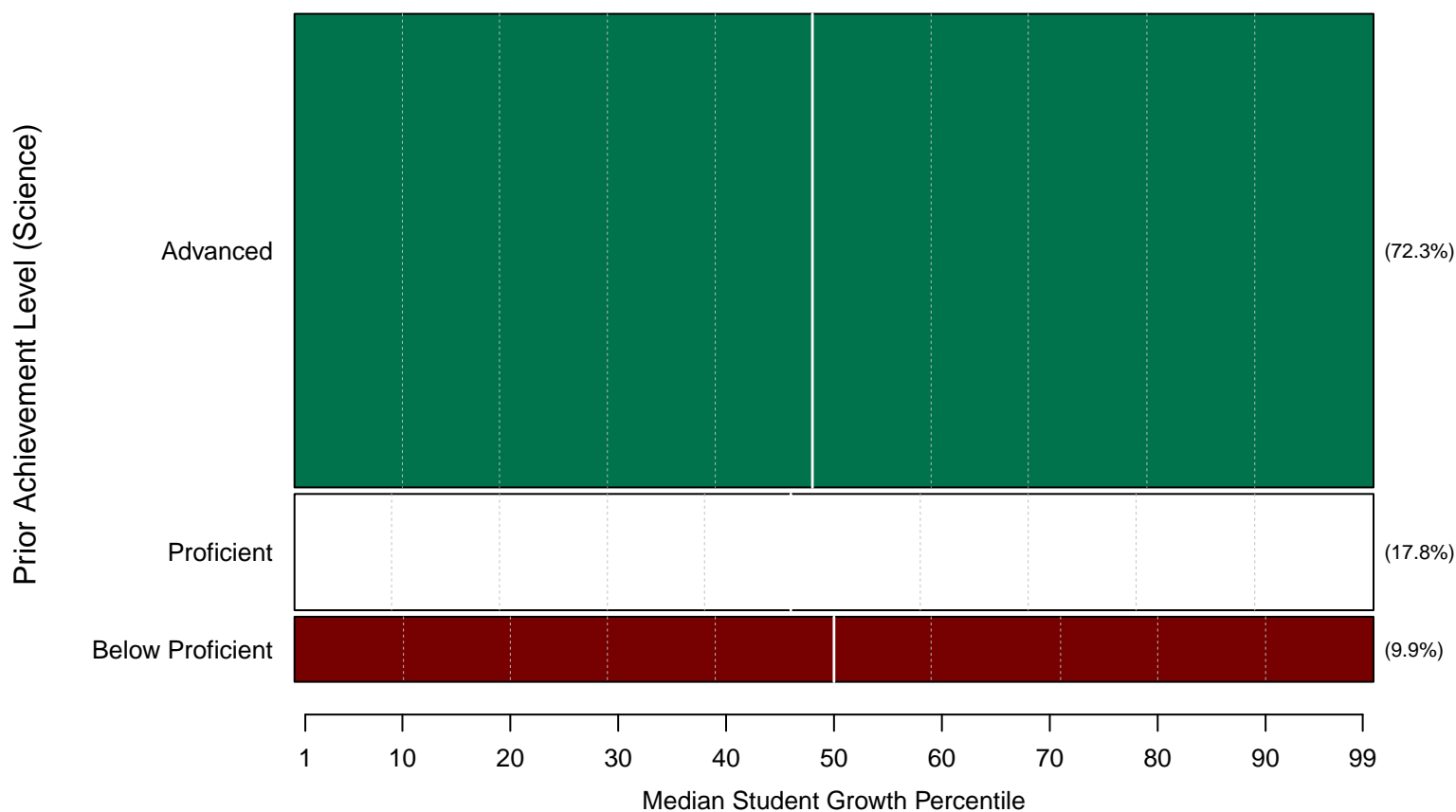# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Biology SGP, Grade EOCT (N = 10,797)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (72.3%)
- Proficient (17.8%)
- Below Proficient (9.9%)

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/[130,160)	9.61	10.07	11.57	8.96	8.86	11.75	8.40	9.79	10.63	10.35	(9.9%)
2nd/[160,164)	9.28	9.16	11.60	8.67	8.91	9.52	12.82	10.01	9.65	10.38	(7.6%)
3rd/[164,167)	11.48	9.93	9.38	15.03	10.84	6.74	6.83	12.30	8.01	9.47	(10.2%)
4th/[167,169)	10.76	10.08	9.75	11.27	7.46	13.98	8.64	8.64	10.59	8.81	(10.9%)
5th/[169,171)	8.65	7.60	10.65	6.94	12.45	6.84	12.93	10.55	11.88	11.50	(9.7%)
6th/[171,173)	9.81	8.07	12.82	16.61	0.16	10.13	17.72	7.59	5.22	11.87	(5.9%)
7th/[173,175)	9.71	10.68	13.09	4.36	13.24	9.63	10.31	8.50	11.74	8.73	(12.3%)
8th/[175,177)	5.97	17.76	0.29	17.18	9.61	9.17	11.94	10.48	7.42	10.19	(6.4%)
9th/[177,182)	12.12	6.06	12.47	10.74	11.02	12.05	5.79	10.88	8.40	10.47	(13.4%)
10th/[182,199]	9.82	13.01	8.27	13.14	12.26	2.37	12.80	7.93	11.99	8.40	(13.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution