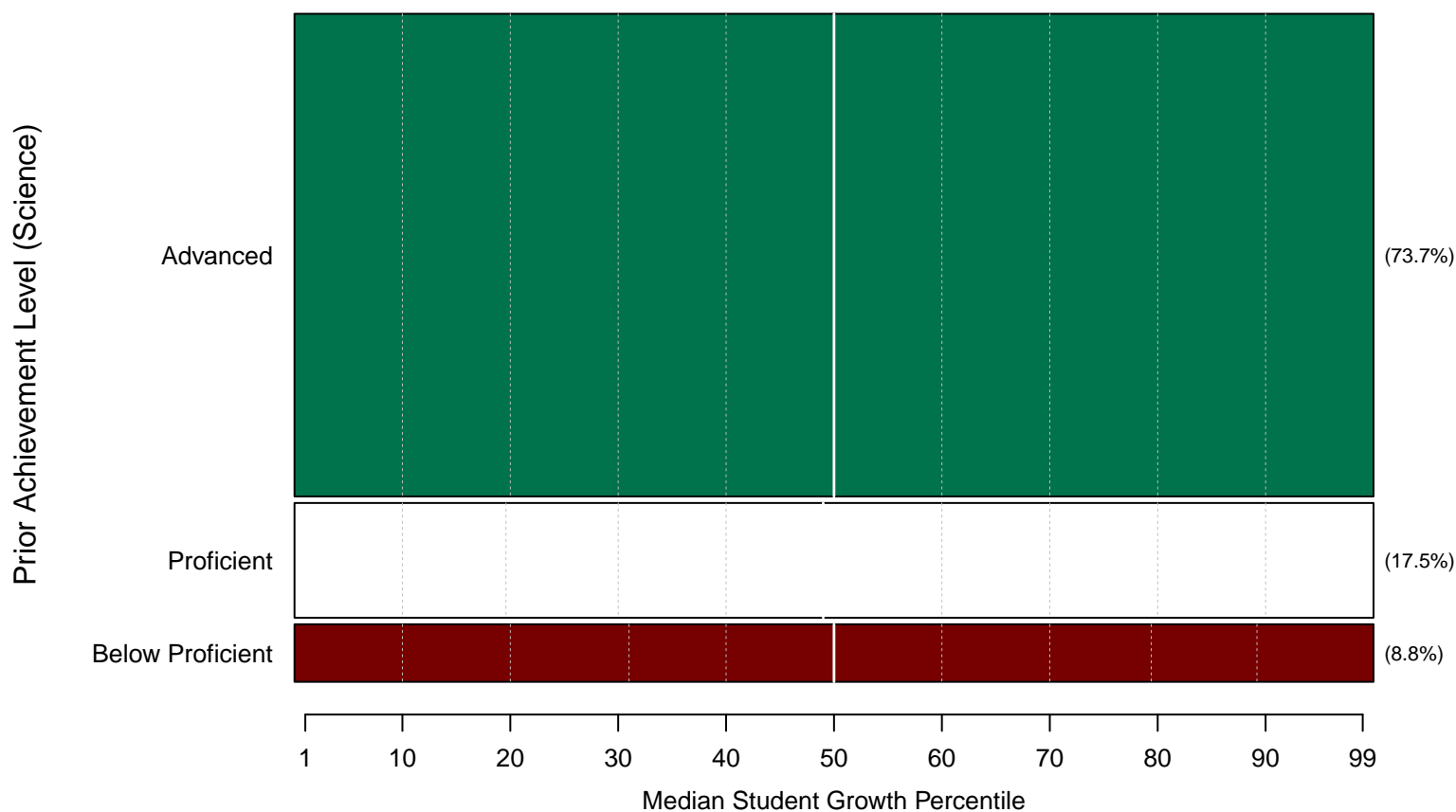# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Biology SGP, Grade EOCT (N = 8,983)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science): Advanced (73.7%), Proficient (17.5%), Below Proficient (8.8%)

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/[130,160)	9.89	9.89	9.63	10.27	9.38	10.77	10.01	10.14	10.01	10.01	(8.8%)
2nd/[160,164)	9.62	9.89	11.25	10.43	10.70	8.94	9.76	9.62	9.62	10.16	(8.2%)
3rd/[164,167)	10.17	10.29	8.13	9.81	10.05	9.69	9.69	10.89	10.65	10.65	(9.3%)
4th/[167,169)	9.77	9.57	9.67	10.94	10.74	10.64	9.77	9.67	9.28	9.96	(11.4%)
5th/[169,172)	8.72	11.42	10.38	10.90	9.14	9.87	8.93	9.66	10.18	10.80	(10.7%)
6th/[172,173)	11.11	8.48	11.47	8.48	8.60	8.48	12.43	10.87	9.32	10.75	(9.3%)
7th/[173,176)	7.76	10.20	10.89	6.37	8.92	11.36	11.24	10.20	12.28	10.78	(9.6%)
8th/[176,178)	9.48	9.80	8.17	12.75	11.98	10.35	9.26	9.15	9.15	9.91	(10.2%)
9th/[178,182)	11.25	10.36	9.80	10.91	10.36	9.91	7.68	9.80	9.91	10.02	(10%)
10th/[182,199]	9.22	9.94	10.38	9.31	9.94	9.76	10.83	10.38	9.94	10.30	(12.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100