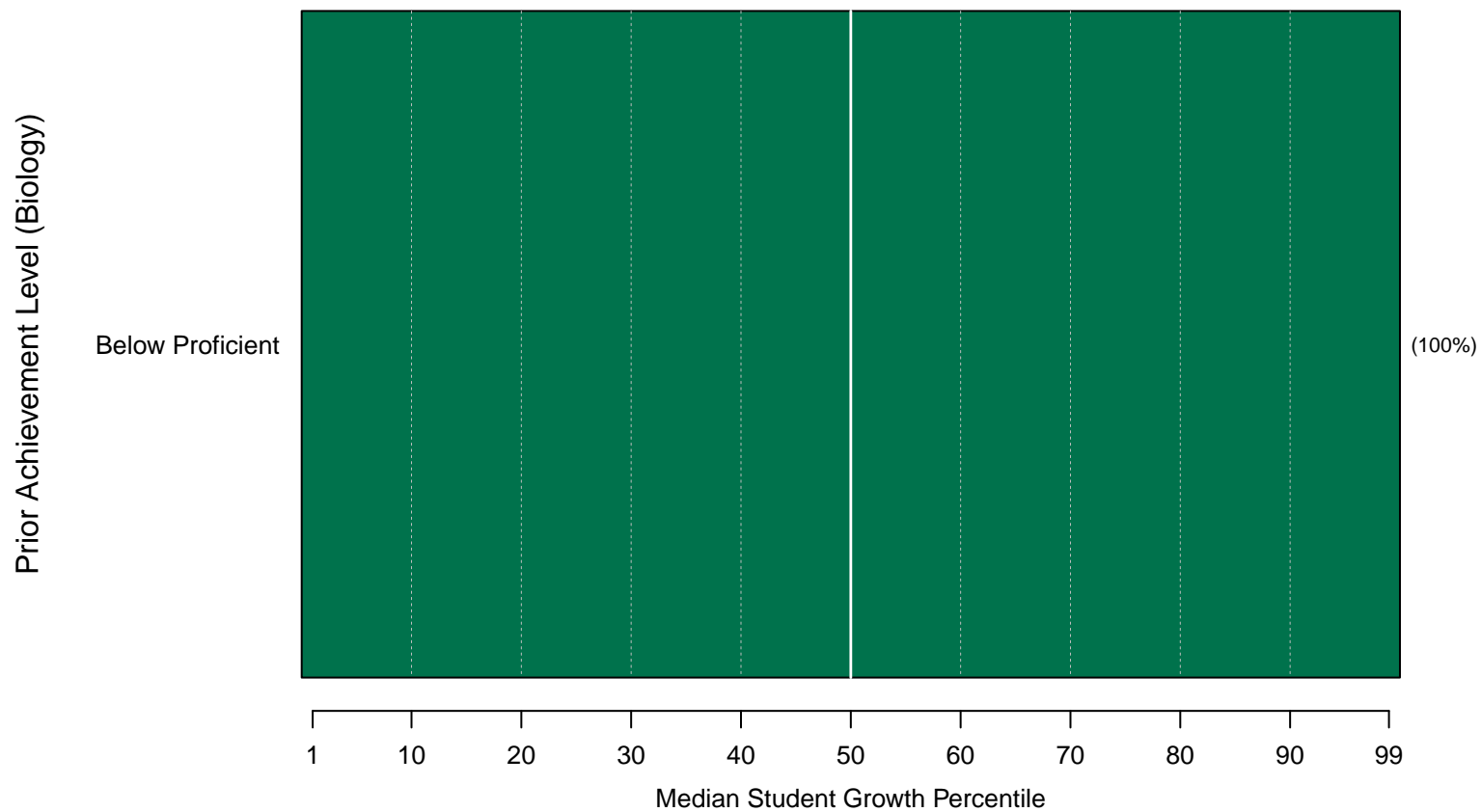# Student Growth Percentile Goodness–of–Fit Descriptives
2011 Chemistry SGP, Grade EOCT (N = 7,237)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Biology)

Below Proficient — (100%)

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/[130,156)	9.80	10.71	9.65	8.90	9.65	10.11	10.41	9.65	10.41	10.71	(9.2%)
2nd/[156,160)	10.47	8.58	10.03	10.90	10.32	10.76	9.59	9.16	10.03	10.17	(9.5%)
3rd/[160,162)	8.74	10.87	10.87	10.87	9.71	8.54	9.71	10.29	9.90	10.49	(7.1%)
4th/[162,164)	9.91	12.23	8.36	9.44	10.53	9.91	10.53	10.53	9.29	9.29	(8.9%)
5th/[164,166)	8.86	8.86	10.66	9.82	10.30	11.02	10.06	9.82	9.82	10.78	(11.5%)
6th/[166,168)	9.67	9.67	9.44	9.44	8.89	9.67	10.22	11.44	10.44	11.11	(12.4%)
7th/[168,170)	8.44	10.67	10.83	12.10	10.51	11.31	8.28	8.92	8.60	10.35	(8.7%)
8th/[170,172)	11.37	9.83	9.52	9.06	10.29	9.22	11.52	8.91	11.37	8.91	(9%)
9th/[172,176)	9.38	11.08	9.99	9.87	10.11	8.65	9.50	10.96	9.26	11.21	(11.3%)
10th/[176,199]	9.44	9.21	10.22	10.22	9.78	10.79	10.45	9.66	9.89	10.34	(12.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution