Student Growth Percentile Goodness–of–Fit Descriptives
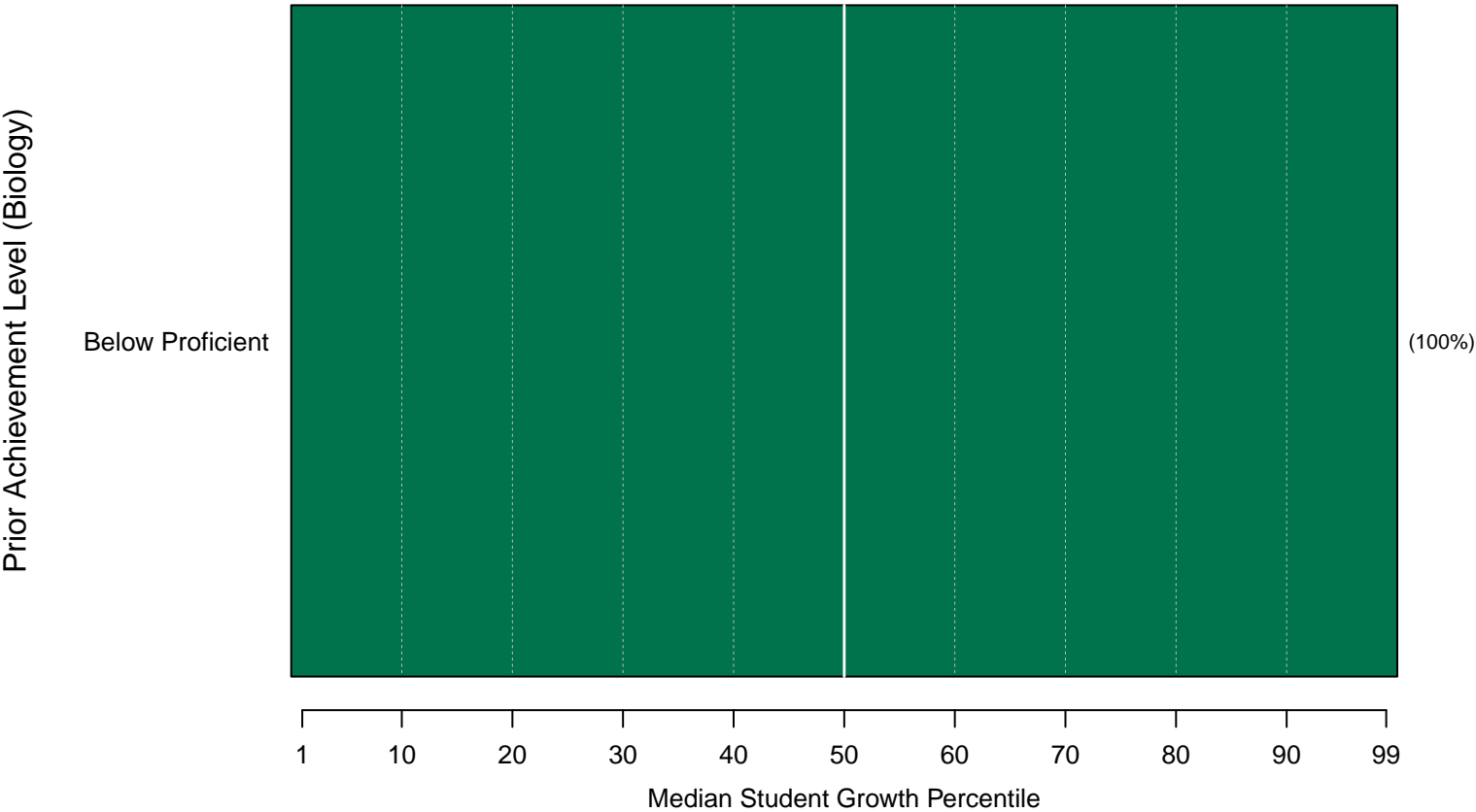## 2011 Chemistry SGP, Grade EOCT (N = 4,896)

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/[133,161)	9.87	9.87	9.87	10.53	10.75	9.21	10.96	9.43	9.43	10.09	(9.3%)
2nd/[161,164)	11.85	7.80	10.98	9.83	10.98	10.12	8.67	10.12	8.96	10.69	(7.1%)
3rd/[164,166)	7.30	10.81	10.81	8.38	8.92	10.00	10.00	11.62	12.97	9.19	(7.6%)
4th/[166,168)	10.58	10.75	9.56	10.75	10.07	10.07	9.90	8.87	9.39	10.07	(12%)
5th/[168,170)	8.67	9.33	10.67	8.67	9.78	10.00	12.44	8.89	9.56	12.00	(9.2%)
6th/[170,172)	11.64	9.73	8.21	11.26	9.73	10.88	9.16	10.31	9.54	9.54	(10.7%)
7th/[172,174)	8.37	11.16	12.35	8.17	9.96	9.36	8.96	11.75	10.36	9.56	(10.3%)
8th/[174,177)	9.16	8.98	9.34	11.49	10.41	9.87	9.52	9.87	10.23	11.13	(11.4%)
9th/[177,181)	9.48	9.90	10.72	9.07	9.69	9.69	11.55	9.07	10.31	10.52	(9.9%)
10th/[181,199]	10.00	10.48	9.35	10.32	10.32	9.84	10.32	9.68	9.68	10.00	(12.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution