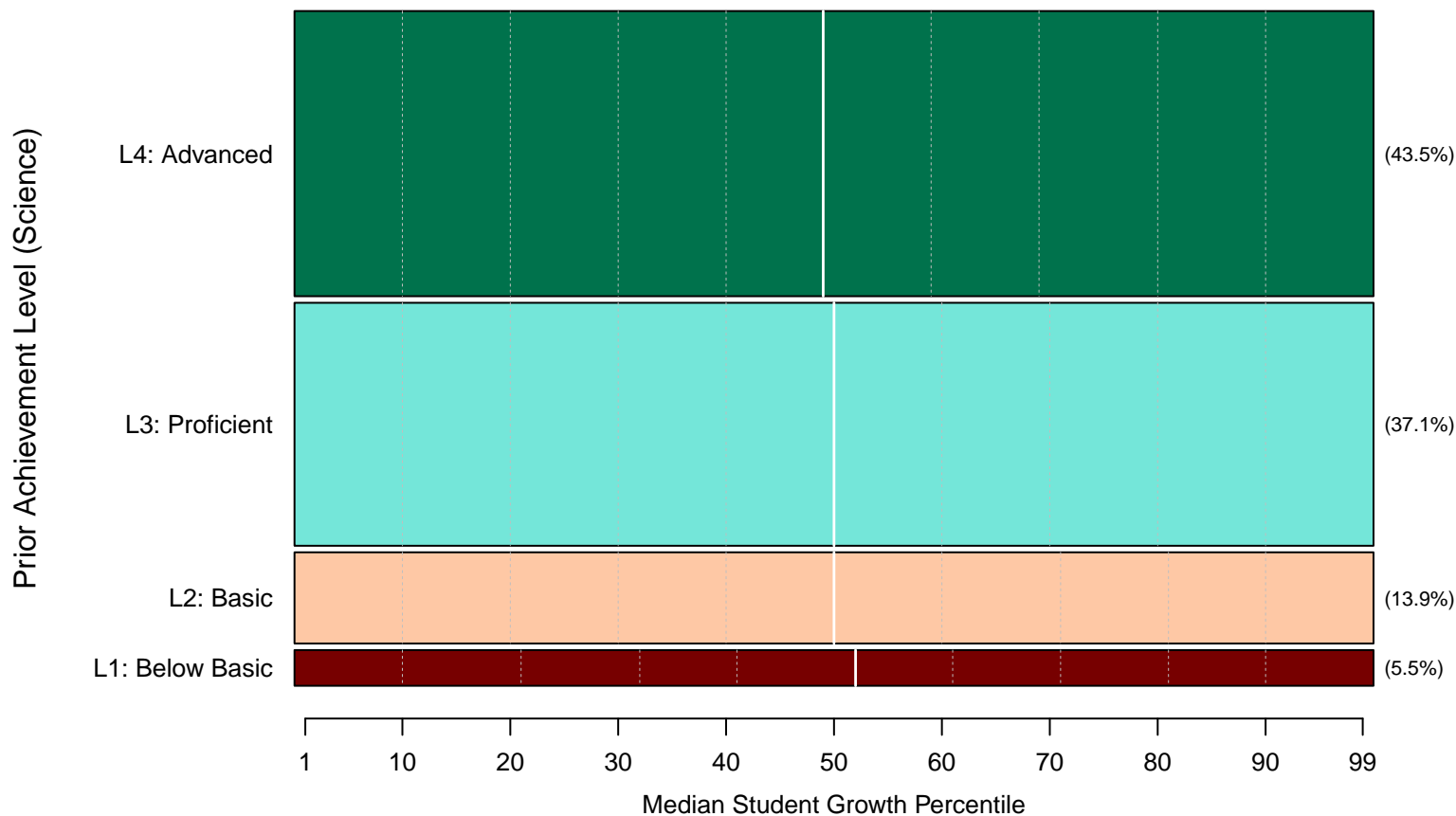# Student Growth Percentile Goodness–of–Fit Descriptives

2011–2012 Eoc Biology SGP, Grade EOCT (N = 13,038)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

L4: Advanced	(43.5%)
L3: Proficient	(37.1%)
L2: Basic	(13.9%)
L1: Below Basic	(5.5%)

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/[299,383)	9.44	10.25	10.01	10.01	10.01	9.36	10.09	9.85	10.09	10.90	(9.5%)
2nd/[383,400)	9.56	9.63	9.40	10.18	8.86	10.96	9.32	10.80	10.49	10.80	(9.9%)
3rd/[400,407)	9.05	10.39	9.59	10.57	11.29	8.60	11.47	9.41	9.41	10.22	(8.6%)
4th/[407,416)	10.02	8.65	9.24	10.93	10.08	9.89	8.85	10.15	10.74	11.45	(11.8%)
5th/[416,420)	7.35	9.04	12.86	8.58	10.11	10.26	9.49	9.65	12.56	10.11	(5%)
6th/[420,431)	10.13	11.50	9.28	9.22	8.37	10.52	11.24	10.59	9.41	9.74	(11.7%)
7th/[431,437)	10.00	11.15	9.82	11.09	10.18	9.64	10.30	9.09	9.21	9.52	(12.7%)
8th/[437,442)	10.61	8.73	9.43	9.32	12.38	8.61	9.91	11.56	8.73	10.73	(6.5%)
9th/[442,457)	8.02	9.06	10.40	10.34	10.34	9.79	9.91	9.49	10.83	11.81	(12.5%)
10th/[457,550]	9.91	10.43	9.97	9.78	9.65	11.01	9.91	9.91	10.10	9.33	(11.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution