# Student Growth Percentile Goodness–of–Fit Descriptives
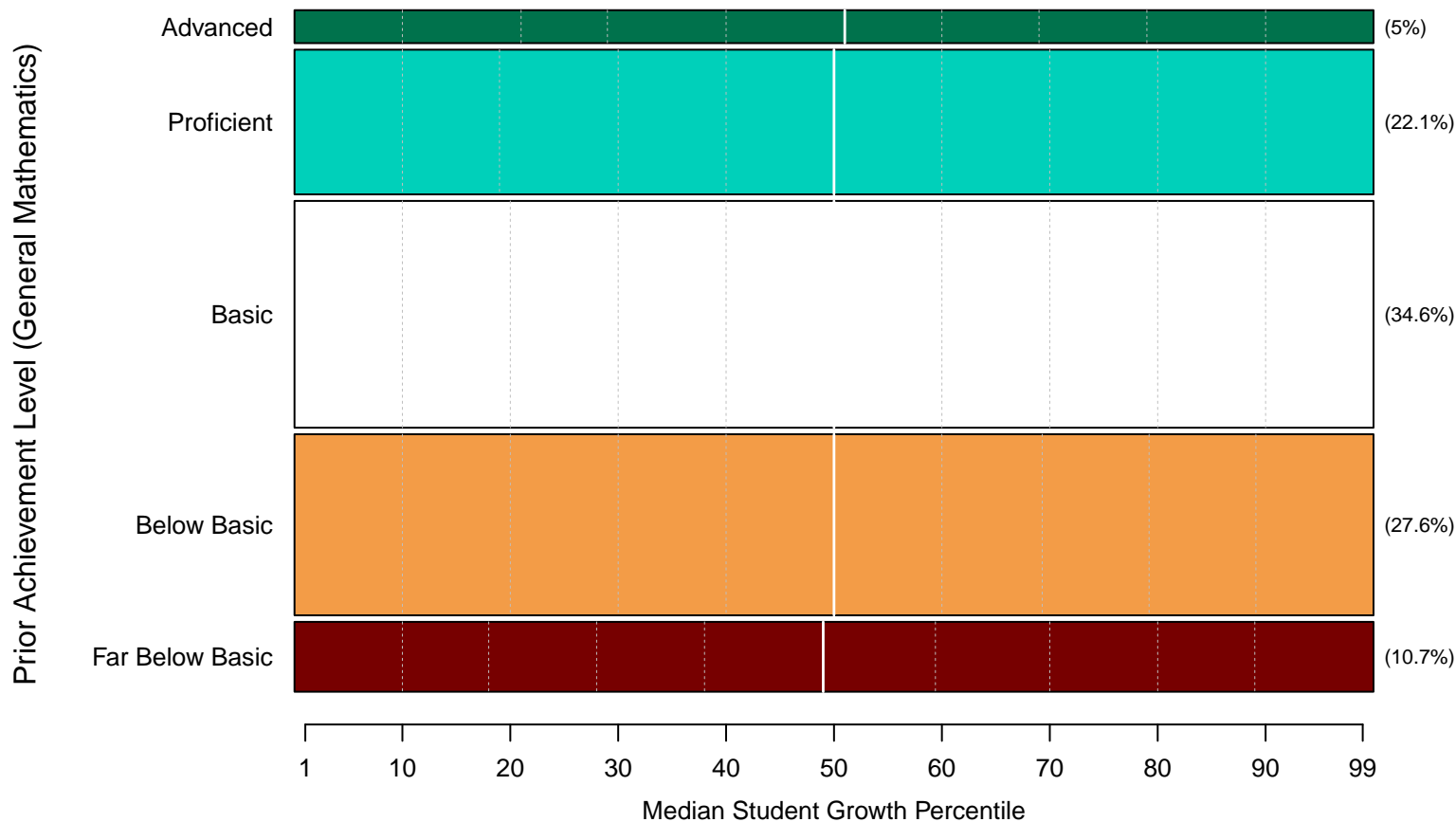## 2013 Biology SGP, Grade EOCT (N = 3,800)

## SGP Deciles by Prior Achievement Level

Prior Achievement Level (General Mathematics)

| Advanced | (5%) |
| Proficient | (22.1%) |
| Basic | (34.6%) |
| Below Basic | (27.6%) |
| Far Below Basic | (10.7%) |

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/[164,254) | 9.48 | 10.09 | 9.79 | 10.40 | 10.09 | 10.70 | 9.79 | 9.48 | 10.09 | 10.09 | (8.6%) |
| 2nd/[254,273) | 10.98 | 9.83 | 9.54 | 10.98 | 9.83 | 7.51 | 10.40 | 10.12 | 10.40 | 10.40 | (9.1%) |
| 3rd/[273,289) | 6.91 | 8.40 | 9.88 | 9.14 | 10.62 | 12.84 | 10.12 | 11.11 | 9.14 | 11.85 | (10.7%) |
| 4th/[289,302) | 12.47 | 11.41 | 11.94 | 8.75 | 9.02 | 9.02 | 9.55 | 9.55 | 10.88 | 7.43 | (9.9%) |
| 5th/[302,314) | 10.55 | 11.61 | 9.23 | 10.03 | 10.29 | 7.65 | 8.44 | 10.29 | 10.55 | 11.35 | (10%) |
| 6th/[314,330) | 7.60 | 9.26 | 7.13 | 12.11 | 9.26 | 12.83 | 12.11 | 8.55 | 10.21 | 10.93 | (11.1%) |
| 7th/[330,347) | 10.92 | 8.19 | 14.14 | 9.18 | 11.17 | 7.94 | 9.18 | 10.92 | 9.43 | 8.93 | (10.6%) |
| 8th/[347,360) | 9.29 | 11.76 | 9.60 | 7.12 | 10.22 | 10.53 | 8.36 | 10.84 | 10.22 | 12.07 | (8.5%) |
| 9th/[360,389) | 8.76 | 11.29 | 8.06 | 11.29 | 9.22 | 10.83 | 11.52 | 9.91 | 9.22 | 9.91 | (11.4%) |
| 10th/[389,573] | 10.39 | 9.09 | 10.65 | 10.39 | 10.39 | 9.35 | 9.87 | 9.35 | 9.87 | 10.65 | (10.1%) |

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

## QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution