

### Exhibit 3.5 and 3.6: Trends in the Comprehension Processes

Trends in average reading achievement for the retrieving and straightforward inferencing and the interpreting, integrating, and evaluating reading comprehension processes are presented for the countries that have comparable data from previous PIRLS assessments. Exhibit 3.5 depicts the results graphically for the countries in alphabetical order, while Exhibit 3.6 provides the detailed results from assessment to assessment. Mirroring the overall results, the trends in reading achievement for both process scales show more gains than losses. Twenty countries have data for the 15 year period between 2001 and 2016, with 10 showing increases in retrieving and straightforward inferencing and 2 decreases. Similarly, 10 had increases in interpreting, integrating, and evaluating and 3 had decreases. Of the 20 countries, 15 had the same trend result for both processes.

Forty of the countries participated in both 2011 and 2016, with 18 showing improvements in the retrieving and straightforward inferencing comprehension process and 8 showing decreases. Compared to five years earlier, 18 countries had higher achievement in 2016 in the interpreting, integrating, and evaluating process and 10 had lower achievement. The within country trends were the same for the two processes in 29 of the 40 countries.

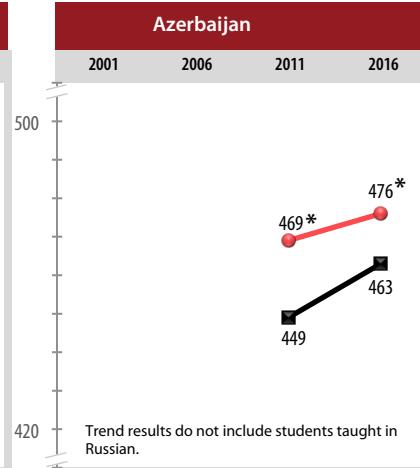
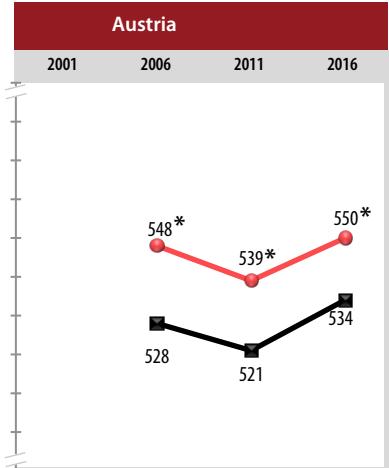
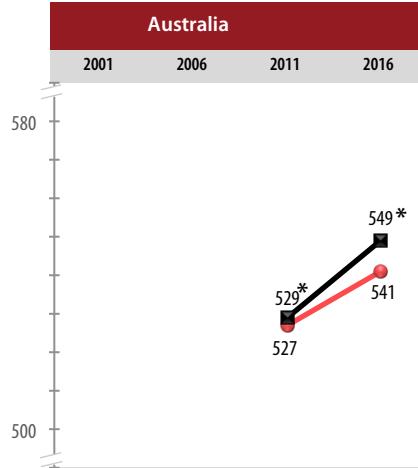
**Exhibit 3.5: Trends in Achievement by Comprehension Process**

Scale interval is 10 points for each country, but the part of the scale shown differs according to each country's average achievement.

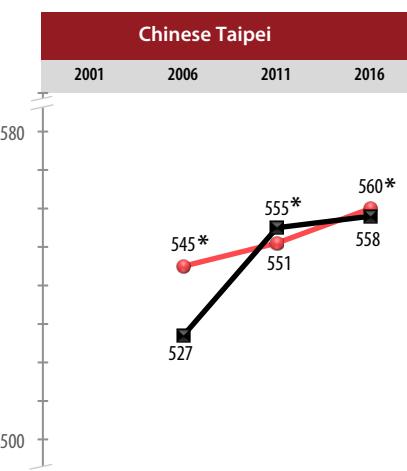
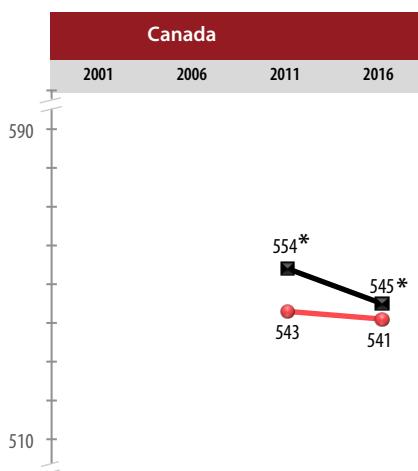
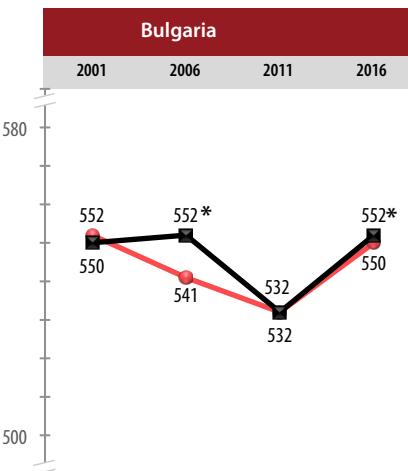
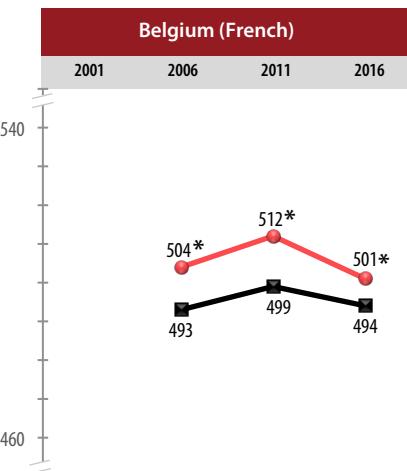
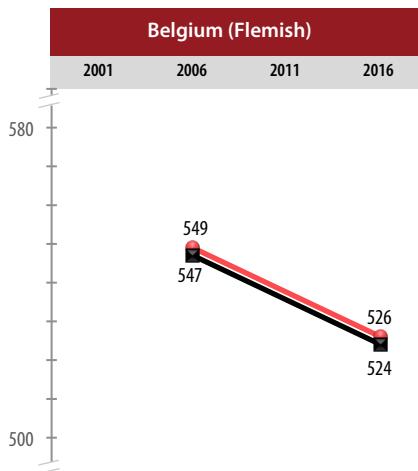
Retrieving and  
Straightforward Inferencing

Interpreting,  
Integrating, and Evaluating

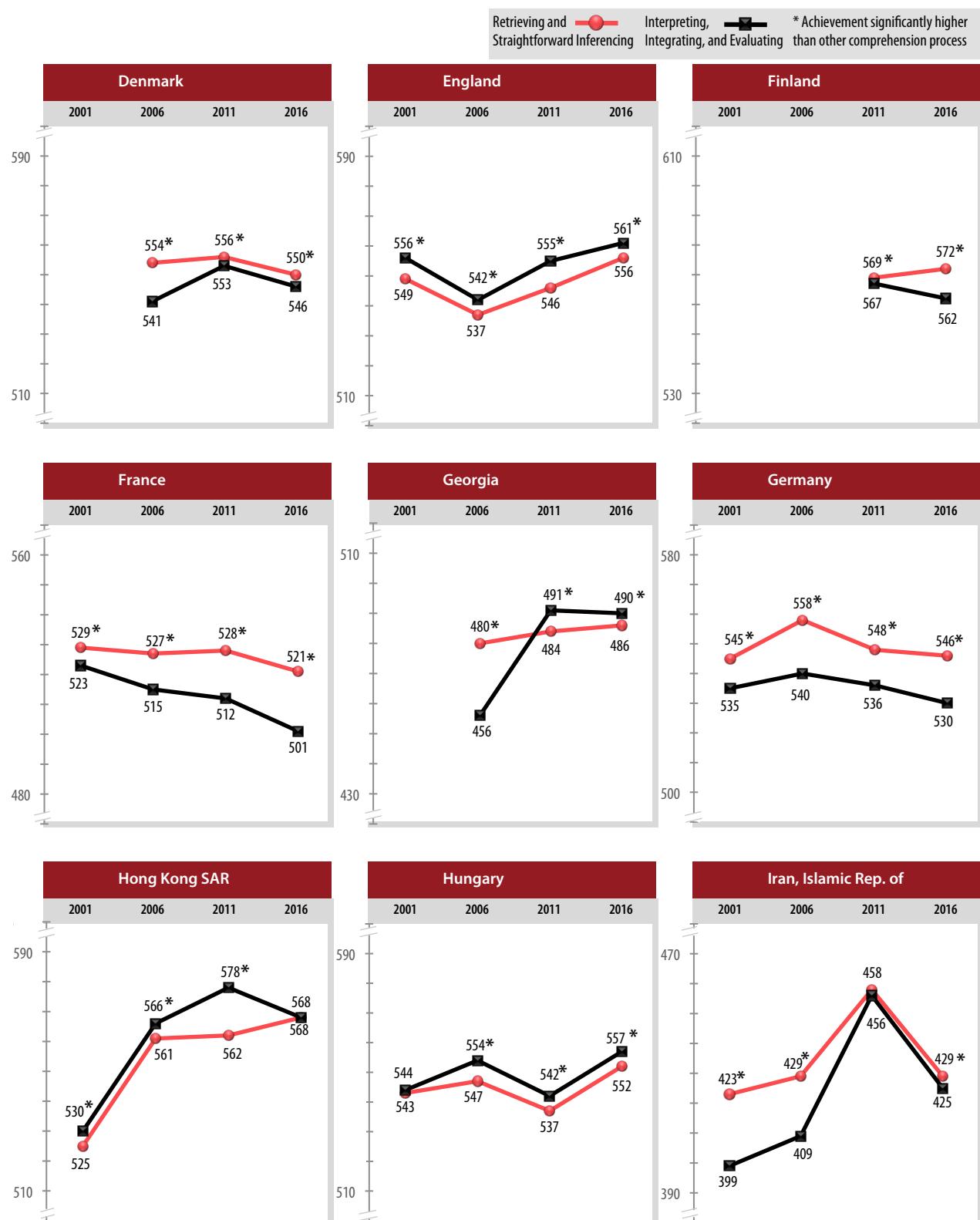
\* Achievement significantly higher  
than other comprehension process



SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

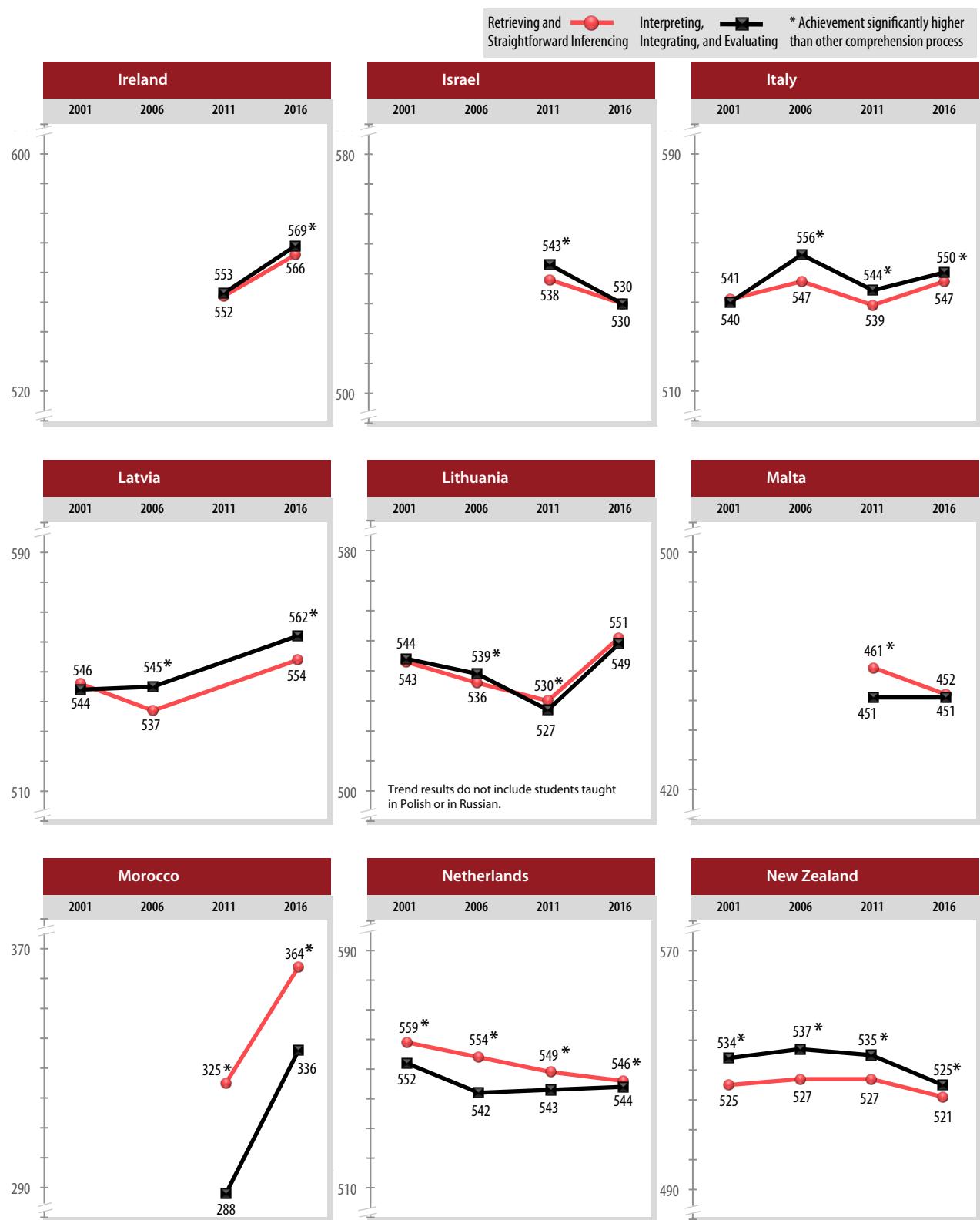


## Exhibit 3.5: Trends in Achievement by Comprehension Process (Continued)

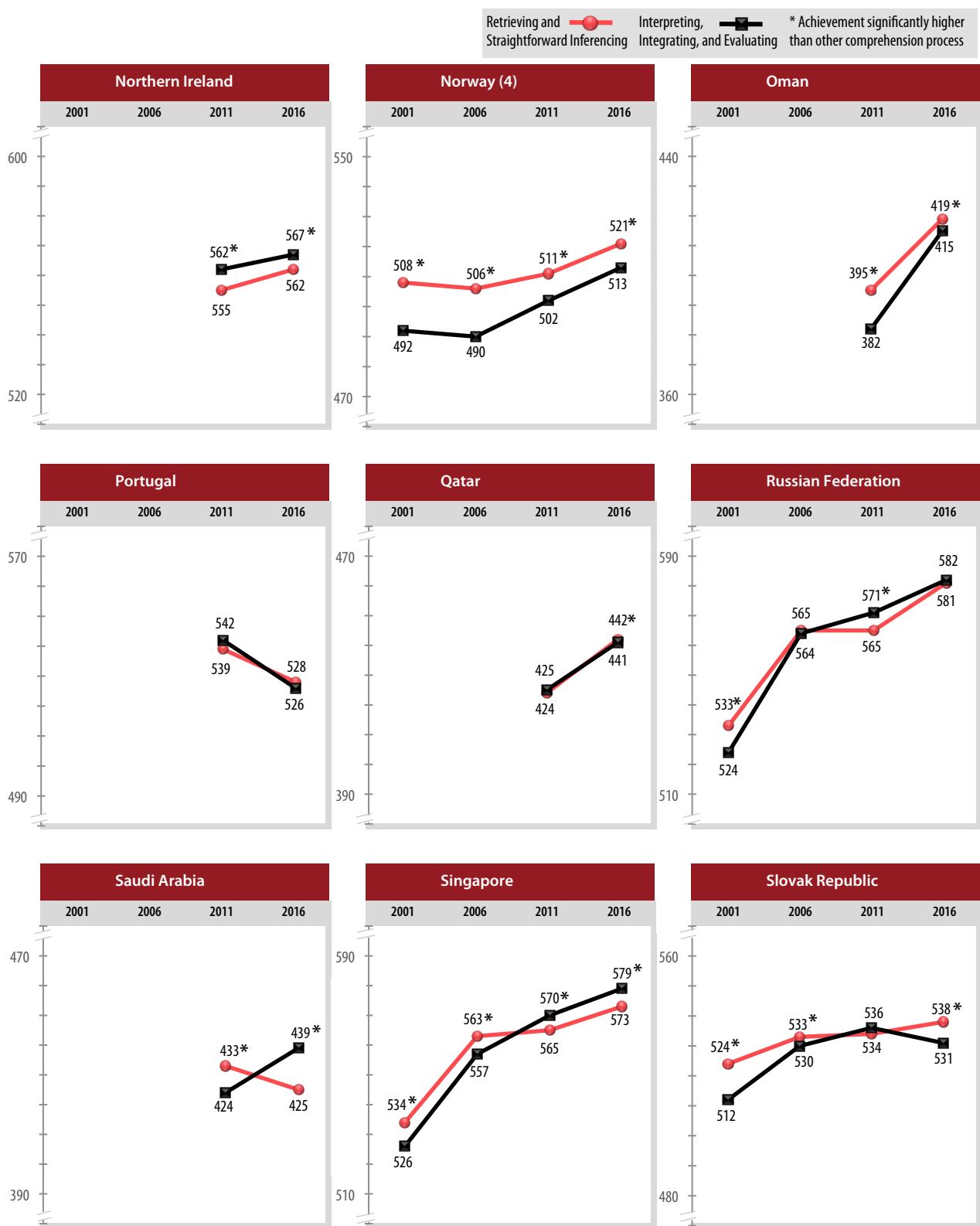


SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

**Exhibit 3.5: Trends in Achievement by Comprehension Process (Continued)**

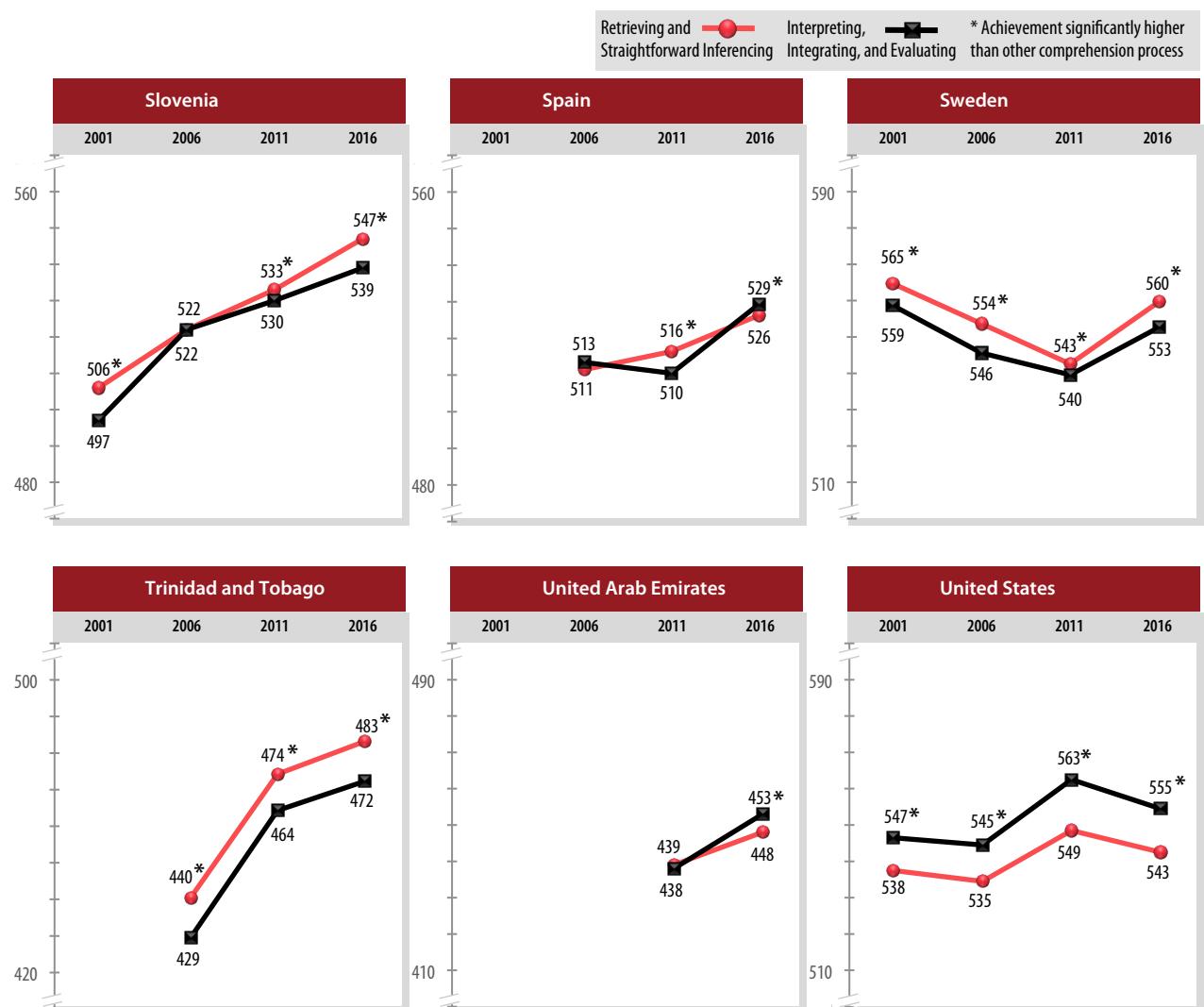


**Exhibit 3.5: Trends in Achievement by Comprehension Process (Continued)**



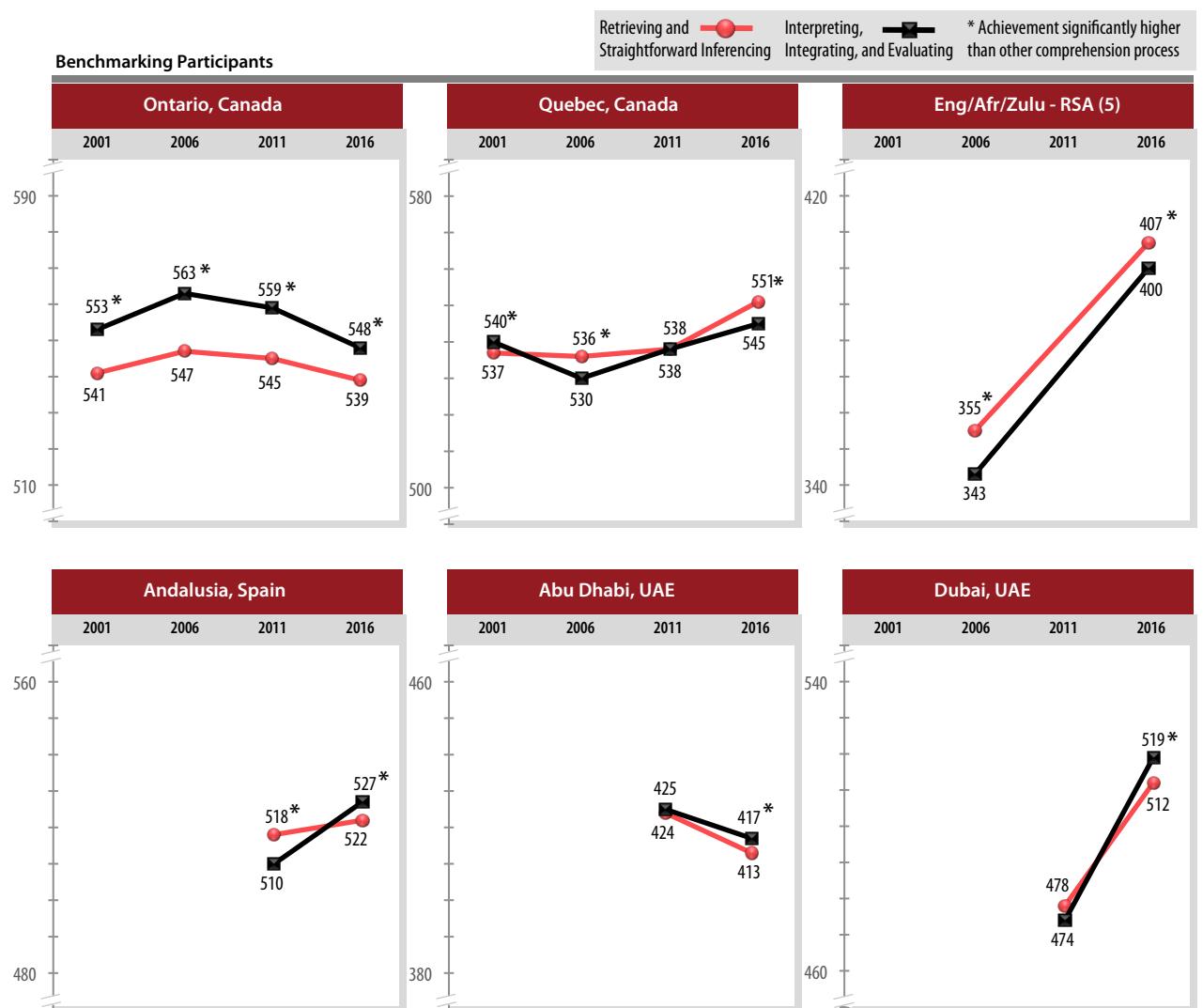
SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

**Exhibit 3.5: Trends in Achievement by Comprehension Process (Continued)**



SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2016

## Exhibit 3.5: Trends in Achievement by Comprehension Process (Continued)



SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

**Exhibit 3.6: Differences in Achievement for Comprehension Processes  
Across Assessment Years**

Instructions: Read across the row to determine if the performance in the row year is significantly higher (▲) or significantly lower (▼) than the performance in the column year.

| Country                  | Retrieving and Straightforward Inferencing |                           |       |       | Interpreting, Integrating, and Evaluating |                           |       |       |
|--------------------------|--|---------------------------|-------|-------|---|---------------------------|-------|-------|
|                          | Average Scale Score                        | Differences Between Years |       |       | Average Scale Score                       | Differences Between Years |       |       |
|                          |  | 2011                      | 2006  | 2001  |   | 2011                      | 2006  | 2001  |
| <b>Australia</b>         |  |                           |       |       |   |                           |       |       |
| 2016                     | 541 (2.6)                                  | 14 ▲                      |       |       | 549 (2.4)                                 | 20 ▲                      |       |       |
| 2011                     | 527 (2.6)                                  |                           |       |       | 529 (2.2)                                 |                           |       |       |
| <b>Austria</b>           |  |                           |       |       |   |                           |       |       |
| 2 2016                   | 550 (2.8)                                  | 11 ▲                      | 2     |       | 534 (2.5)                                 | 14 ▲                      | 6     |       |
| 2011                     | 539 (2.3)                                  |                           | -9 ▼  |       | 521 (2.1)                                 |                           | -8 ▼  |       |
| 2006                     | 548 (2.2)                                  |                           |       |       | 528 (2.5)                                 |                           |       |       |
| <b>Azerbaijan</b>        |  |                           |       |       |   |                           |       |       |
| 2016                     | 476 (4.4)                                  | 7                         |       |       | 463 (4.6)                                 | 14 ▲                      |       |       |
| 2 2011                   | 469 (3.2)                                  |                           |       |       | 449 (3.7)                                 |                           |       |       |
| <b>Belgium (Flemish)</b> |  |                           |       |       |   |                           |       |       |
| 2016                     | 526 (2.1)                                  |                           | -23 ▼ |       | 524 (2.2)                                 |                           | -22 ▼ |       |
| 2 † 2006                 | 549 (2.1)                                  |                           |       |       | 547 (1.9)                                 |                           |       |       |
| <b>Belgium (French)</b>  |  |                           |       |       |   |                           |       |       |
| 2 2016                   | 501 (2.3)                                  | -11 ▼                     | -4    |       | 494 (2.4)                                 | -5                        | 1     |       |
| 2 † 2011                 | 512 (2.9)                                  |                           | 8 ▲   |       | 499 (3.2)                                 |                           | 6     |       |
| 2006                     | 504 (2.5)                                  |                           |       |       | 493 (2.7)                                 |                           |       |       |
| <b>Bulgaria</b>          |  |                           |       |       |   |                           |       |       |
| 2016                     | 550 (4.0)                                  | 18 ▲                      | 10    | -2    | 552 (4.3)                                 | 20 ▲                      | 0     | 2     |
| 2011                     | 532 (4.2)                                  |                           | -9    | -20 ▼ | 532 (4.1)                                 |                           | -20 ▼ | -18 ▼ |
| 2 2006                   | 541 (4.1)                                  |                           |       | -11   | 552 (4.7)                                 |                           |       | 1     |
| 2001                     | 552 (4.0)                                  |                           |       |       | 550 (3.7)                                 |                           |       |       |
| <b>Canada</b>            |  |                           |       |       |   |                           |       |       |
| 1 2 2016                 | 541 (1.8)                                  | -2                        |       |       | 545 (1.8)                                 | -8 ▼                      |       |       |
| 2 2011                   | 543 (1.5)                                  |                           |       |       | 554 (1.5)                                 |                           |       |       |
| <b>Chinese Taipei</b>    |  |                           |       |       |   |                           |       |       |
| 2016                     | 560 (1.9)                                  | 8 ▲                       | 15 ▲  |       | 558 (2.2)                                 | 3                         | 31 ▲  |       |
| 2011                     | 551 (1.8)                                  |                           | 7 ▲   |       | 555 (1.8)                                 |                           | 27 ▲  |       |
| 2006                     | 545 (1.9)                                  |                           |       |       | 527 (2.0)                                 |                           |       |       |
| <b>Czech Republic</b>    |  |                           |       |       |   |                           |       |       |
| 2016                     | 551 (2.4)                                  | 3                         |       | 8 ▲   | 538 (2.2)                                 | -6 ▼                      |       | 5     |
| 2011                     | 548 (2.4)                                  |                           |       | 5     | 544 (2.0)                                 |                           |       | 12 ▲  |
| 2 2001                   | 543 (2.7)                                  |                           |       |       | 532 (2.4)                                 |                           |       |       |
| <b>Denmark</b>           |  |                           |       |       |   |                           |       |       |
| 2 2016                   | 550 (2.1)                                  | -7 ▼                      | -4    |       | 546 (2.2)                                 | -7 ▼                      | 5     |       |
| 2 2011                   | 556 (1.9)                                  |                           | 3     |       | 553 (1.7)                                 |                           | 12 ▲  |       |
| 2 2006                   | 554 (2.7)                                  |                           |       |       | 541 (2.4)                                 |                           |       |       |
| <b>England</b>           |  |                           |       |       |   |                           |       |       |
| 2016                     | 556 (2.0)                                  | 10 ▲                      | 19 ▲  | 7     | 561 (1.9)                                 | 6                         | 19 ▲  | 5     |
| † 2011                   | 546 (2.6)                                  |                           | 9 ▲   | -3    | 555 (2.7)                                 |                           | 13 ▲  | -1    |
| 2006                     | 537 (2.7)                                  |                           |       | -12 ▼ | 542 (2.6)                                 |                           | -14 ▼ |       |
| 2 † 2001                 | 549 (3.4)                                  |                           |       |       | 556 (3.6)                                 |                           |       |       |
| <b>Finland</b>           |  |                           |       |       |   |                           |       |       |
| 2016                     | 572 (2.0)                                  | 3                         |       |       | 562 (1.8)                                 | -5                        |       |       |
| 2011                     | 569 (2.0)                                  |                           |       |       | 567 (1.8)                                 |                           |       |       |
| <b>France</b>            |  |                           |       |       |   |                           |       |       |
| 2016                     | 521 (2.3)                                  | -7 ▼                      | -6 ▼  | -8 ▼  | 501 (2.4)                                 | -10 ▼                     | -14 ▼ | -22 ▼ |
| 2011                     | 528 (2.5)                                  |                           | 1     | -1    | 512 (2.8)                                 |                           | -4    | -11 ▼ |
| 2006                     | 527 (2.1)                                  |                           |       | -2    | 515 (2.3)                                 |                           |       | -7 ▼  |
| 2001                     | 529 (2.7)                                  |                           |       |       | 523 (2.5)                                 |                           |       |       |

▲ More recent year significantly higher

▼ More recent year significantly lower

Trend results for Azerbaijan do not include students taught in Russian. Trend results for Lithuania do not include students taught in Polish or in Russian. See Appendix C.1 for target population coverage notes 1, 2, and 3. See Appendix C.4 for sampling guidelines and sampling participation notes †, ‡, and §. ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

**Exhibit 3.6: Differences in Achievement for Comprehension Processes  
Across Assessment Years (Continued)**

Instructions: Read across the row to determine if the performance in the row year is significantly higher (▲) or significantly lower (▼) than the performance in the column year.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2016

| Country                      | Retrieving and Straightforward Inferencing |                           |       |       | Interpreting, Integrating, and Evaluating |                           |       |       |
|------------------------------|--|---------------------------|-------|-------|---|---------------------------|-------|-------|
|                              | Average Scale Score                        | Differences Between Years |       |       | Average Scale Score                       | Differences Between Years |       |       |
|                              |  | 2011                      | 2006  | 2001  |   | 2011                      | 2006  | 2001  |
| <b>Georgia</b>               |  |                           |       |       |   |                           |       |       |
| 1 2016                       | 486 (2.6)                                  | 2                         | 6     |       | 490 (2.9)                                 | -1                        | 34 ▲  |       |
| 1 2011                       | 484 (2.9)                                  |                           | 4     |       | 491 (3.0)                                 |                           | 35 ▲  |       |
| 1 2 2006                     | 480 (3.2)                                  |                           |       |       | 456 (3.5)                                 |                           |       |       |
| <b>Germany</b>               |  |                           |       |       |   |                           |       |       |
| 2016                         | 546 (3.3)                                  | -3                        | -13 ▼ | 0     | 530 (3.2)                                 | -6                        | -9 ▼  | -5    |
| 2011                         | 548 (2.4)                                  |                           | -10 ▼ | 3     | 536 (2.2)                                 |                           | -4    | 1     |
| 2006                         | 558 (2.6)                                  |                           |       | 13 ▲  | 540 (2.3)                                 |                           |       | 5     |
| 2001                         | 545 (1.8)                                  |                           |       |       | 535 (2.0)                                 |                           |       |       |
| <b>Hong Kong SAR</b>         |  |                           |       |       |   |                           |       |       |
| 2 † 2016                     | 568 (2.7)                                  | 5                         | 6     | 43 ▲  | 568 (2.9)                                 | -9 ▼                      | 2     | 38 ▲  |
| 3 2011                       | 562 (2.1)                                  |                           | 1     | 37 ▲  | 578 (2.4)                                 |                           | 12 ▲  | 48 ▲  |
| 2006                         | 561 (2.5)                                  |                           |       | 37 ▲  | 566 (2.5)                                 |                           |       | 36 ▲  |
| 2001                         | 525 (3.1)                                  |                           |       |       | 530 (3.3)                                 |                           |       |       |
| <b>Hungary</b>               |  |                           |       |       |   |                           |       |       |
| 2016                         | 552 (3.3)                                  | 14 ▲                      | 4     | 8 ▲   | 557 (3.0)                                 | 15 ▲                      | 3     | 12 ▲  |
| 2011                         | 537 (2.7)                                  |                           | -10 ▼ | -6    | 542 (2.7)                                 |                           | -12 ▼ | -2    |
| 2006                         | 547 (2.9)                                  |                           |       | 4     | 554 (3.2)                                 |                           |       | 10 ▲  |
| 2001                         | 543 (2.1)                                  |                           |       |       | 544 (2.2)                                 |                           |       |       |
| <b>Iran, Islamic Rep. of</b> |  |                           |       |       |   |                           |       |       |
| 2016                         | 429 (4.0)                                  | -28 ▼                     | 1     | 7     | 425 (4.1)                                 | -32 ▼                     | 16 ▲  | 26 ▲  |
| 2011                         | 458 (3.0)                                  |                           | 29 ▲  | 35 ▲  | 456 (3.0)                                 |                           | 48 ▲  | 58 ▲  |
| 2006                         | 429 (3.4)                                  |                           |       | 6     | 409 (3.4)                                 |                           |       | 10    |
| 2001                         | 423 (4.5)                                  |                           |       |       | 399 (4.9)                                 |                           |       |       |
| <b>Ireland</b>               |  |                           |       |       |   |                           |       |       |
| 2016                         | 566 (2.6)                                  | 14 ▲                      |       |       | 569 (2.9)                                 | 16 ▲                      |       |       |
| 2011                         | 552 (2.8)                                  |                           |       |       | 553 (2.3)                                 |                           |       |       |
| <b>Israel</b>                |  |                           |       |       |   |                           |       |       |
| 3 2016                       | 530 (2.4)                                  | -8 ▼                      |       |       | 530 (2.7)                                 | -13 ▼                     |       |       |
| 3 2011                       | 538 (2.8)                                  |                           |       |       | 543 (2.9)                                 |                           |       |       |
| <b>Italy</b>                 |  |                           |       |       |   |                           |       |       |
| 2016                         | 547 (2.1)                                  | 7 ▲                       | -1    | 5     | 550 (2.1)                                 | 6 ▲                       | -6    | 9 ▲   |
| 2011                         | 539 (2.0)                                  |                           | -8 ▼  | -2    | 544 (2.0)                                 |                           | -12 ▼ | 3     |
| 2006                         | 547 (3.0)                                  |                           |       | 6     | 556 (3.0)                                 |                           |       | 16 ▲  |
| 2001                         | 541 (2.5)                                  |                           |       |       | 540 (2.6)                                 |                           |       |       |
| <b>Latvia</b>                |  |                           |       |       |   |                           |       |       |
| 2 † 2016                     | 554 (1.9)                                  |                           | 17 ▲  | 8 ▲   | 562 (1.7)                                 |                           | 17 ▲  | 18 ▲  |
| 2006                         | 537 (2.3)                                  |                           |       | -9 ▼  | 545 (2.1)                                 |                           |       | 1     |
| 2001                         | 546 (2.5)                                  |                           |       |       | 544 (2.3)                                 |                           |       |       |
| <b>Lithuania</b>             |  |                           |       |       |   |                           |       |       |
| 2016                         | 551 (2.8)                                  | 21 ▲                      | 16 ▲  | 8 ▲   | 549 (2.8)                                 | 22 ▲                      | 10 ▲  | 5     |
| 1 2 2011                     | 530 (1.9)                                  |                           | -5 ▼  | -13 ▼ | 527 (2.0)                                 |                           | -11 ▼ | -16 ▼ |
| 1 2006                       | 536 (1.8)                                  |                           |       | -8 ▼  | 539 (1.8)                                 |                           |       | -5    |
| 1 2001                       | 543 (3.0)                                  |                           |       |       | 544 (2.7)                                 |                           |       |       |
| <b>Malta</b>                 |  |                           |       |       |   |                           |       |       |
| 2 2016                       | 452 (1.7)                                  | -9 ▼                      |       |       | 451 (1.9)                                 | 0                         |       |       |
| 2011                         | 461 (2.4)                                  |                           |       |       | 451 (1.7)                                 |                           |       |       |
| <b>Morocco</b>               |  |                           |       |       |   |                           |       |       |
| 2016                         | 364 (3.9)                                  | 39 ▲                      |       |       | 336 (4.5)                                 | 48 ▲                      |       |       |
| * 2011                       | 325 (3.1)                                  |                           |       |       | 288 (4.3)                                 |                           |       |       |

▲ More recent year significantly higher

▼ More recent year significantly lower

\* Reservations about reliability of average achievement because the percentage of students with achievement too low for estimation exceeds 25%.

**Exhibit 3.6: Differences in Achievement for Comprehension Processes  
Across Assessment Years (Continued)**

Instructions: Read across the row to determine if the performance in the row year is significantly higher (▲) or significantly lower (▼) than the performance in the column year.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2016

| Country                   | Retrieving and Straightforward Inferencing |                           |      |       | Interpreting, Integrating, and Evaluating |                           |       |       |
|---------------------------|--|---------------------------|------|-------|---|---------------------------|-------|-------|
|                           | Average Scale Score                        | Differences Between Years |      |       | Average Scale Score                       | Differences Between Years |       |       |
|                           |  | 2011                      | 2006 | 2001  |   | 2011                      | 2006  | 2001  |
| <b>Netherlands</b>        |  |                           |      |       |   |                           |       |       |
| † 2016                    | 546 (2.0)                                  | -2                        | -8 ▼ | -13 ▼ | 544 (1.7)                                 | 1                         | 3     | -7 ▼  |
| † 2011                    | 549 (2.1)                                  |                           | -5 ▼ | -10 ▼ | 543 (1.9)                                 |                           | 1     | -8 ▼  |
| † 2006                    | 554 (1.7)                                  |                           |      | -5    | 542 (1.7)                                 |                           |       | -10 ▼ |
| † 2001                    | 559 (2.6)                                  |                           |      |       | 552 (2.5)                                 |                           |       |       |
| <b>New Zealand</b>        |  |                           |      |       |   |                           |       |       |
| 2016                      | 521 (2.3)                                  | -6 ▼                      | -6   | -3    | 525 (2.4)                                 | -11 ▼                     | -12 ▼ | -10 ▼ |
| 2011                      | 527 (2.0)                                  |                           | 0    | 3     | 535 (1.9)                                 |                           | -1    | 1     |
| 2006                      | 527 (2.3)                                  |                           |      | 2     | 537 (2.3)                                 |                           |       | 2     |
| 2001                      | 525 (3.9)                                  |                           |      |       | 534 (3.9)                                 |                           |       |       |
| <b>Northern Ireland</b>   |  |                           |      |       |   |                           |       |       |
| 2016                      | 562 (2.1)                                  | 6                         |      |       | 567 (2.2)                                 | 5                         |       |       |
| † 2011                    | 555 (2.5)                                  |                           |      |       | 562 (2.4)                                 |                           |       |       |
| <b>Norway (4)</b>         |  |                           |      |       |   |                           |       |       |
| 2016                      | 521 (2.0)                                  | 10 ▲                      | 15 ▲ | 14 ▲  | 513 (1.9)                                 | 11 ▲                      | 23 ▲  | 21 ▲  |
| ‡ 2011                    | 511 (1.8)                                  |                           | 5    | 4     | 502 (2.6)                                 |                           | 11 ▲  | 10 ▲  |
| ‡ 2006                    | 506 (2.6)                                  |                           |      | -1    | 490 (2.8)                                 |                           |       | -2    |
| 2001                      | 508 (2.9)                                  |                           |      |       | 492 (3.0)                                 |                           |       |       |
| <b>Oman</b>               |  |                           |      |       |   |                           |       |       |
| 2016                      | 419 (3.2)                                  | 25 ▲                      |      |       | 415 (3.6)                                 | 33 ▲                      |       |       |
| Ψ 2011                    | 395 (2.4)                                  |                           |      |       | 382 (3.0)                                 |                           |       |       |
| <b>Portugal</b>           |  |                           |      |       |   |                           |       |       |
| ‡ 2016                    | 528 (2.2)                                  | -11 ▼                     |      |       | 526 (2.4)                                 | -16 ▼                     |       |       |
| 2011                      | 539 (2.8)                                  |                           |      |       | 542 (2.6)                                 |                           |       |       |
| <b>Qatar</b>              |  |                           |      |       |   |                           |       |       |
| 2016                      | 442 (1.8)                                  | 18 ▲                      |      |       | 441 (1.9)                                 | 15 ▲                      |       |       |
| ‡ 2011                    | 424 (3.5)                                  |                           |      |       | 425 (3.6)                                 |                           |       |       |
| <b>Russian Federation</b> |  |                           |      |       |   |                           |       |       |
| 2016                      | 581 (2.3)                                  | 16 ▲                      | 16 ▲ | 48 ▲  | 582 (2.2)                                 | 11 ▲                      | 18 ▲  | 58 ▲  |
| 2011                      | 565 (2.8)                                  |                           | 0    | 32 ▲  | 571 (2.7)                                 |                           | 7     | 47 ▲  |
| ‡ 2006                    | 565 (3.4)                                  |                           |      | 32 ▲  | 564 (3.4)                                 |                           |       | 40 ▲  |
| ‡ 2001                    | 533 (4.3)                                  |                           |      |       | 524 (4.8)                                 |                           |       |       |
| <b>Saudi Arabia</b>       |  |                           |      |       |   |                           |       |       |
| 2016                      | 425 (4.1)                                  | -8                        |      |       | 439 (4.1)                                 | 15 ▲                      |       |       |
| 2011                      | 433 (4.5)                                  |                           |      |       | 424 (4.6)                                 |                           |       |       |
| <b>Singapore</b>          |  |                           |      |       |   |                           |       |       |
| ³ 2016                    | 573 (3.1)                                  | 8                         | 10 ▲ | 39 ▲  | 579 (3.2)                                 | 9                         | 22 ▲  | 53 ▲  |
| ² 2011                    | 565 (3.4)                                  |                           | 2    | 31 ▲  | 570 (3.4)                                 |                           | 14 ▲  | 44 ▲  |
| 2006                      | 563 (3.2)                                  |                           |      | 29 ▲  | 557 (2.8)                                 |                           |       | 31 ▲  |
| 2001                      | 534 (5.6)                                  |                           |      |       | 526 (5.1)                                 |                           |       |       |
| <b>Slovak Republic</b>    |  |                           |      |       |   |                           |       |       |
| 2016                      | 538 (3.1)                                  | 3                         | 5    | 13 ▲  | 531 (3.2)                                 | -4                        | 2     | 19 ▲  |
| 2011                      | 534 (2.9)                                  |                           | 2    | 10 ▲  | 536 (2.7)                                 |                           | 6     | 24 ▲  |
| 2006                      | 533 (2.8)                                  |                           |      | 8 ▲   | 530 (2.9)                                 |                           |       | 18 ▲  |
| 2001                      | 524 (2.8)                                  |                           |      |       | 512 (3.1)                                 |                           |       |       |
| <b>Slovenia</b>           |  |                           |      |       |   |                           |       |       |
| 2016                      | 547 (2.3)                                  | 14 ▲                      | 25 ▲ | 40 ▲  | 539 (2.5)                                 | 10 ▲                      | 17 ▲  | 42 ▲  |
| 2011                      | 533 (2.0)                                  |                           | 11 ▲ | 26 ▲  | 530 (2.1)                                 |                           | 8 ▲   | 32 ▲  |
| 2006                      | 522 (2.2)                                  |                           |      | 15 ▲  | 522 (2.2)                                 |                           |       | 25 ▲  |
| 2001                      | 506 (2.2)                                  |                           |      |       | 497 (2.2)                                 |                           |       |       |

▲ More recent year significantly higher

▼ More recent year significantly lower

Ψ Reservations about reliability of average achievement because the percentage of students with achievement too low for estimation does not exceed 25% but exceeds 15%.

**Exhibit 3.6: Differences in Achievement for Comprehension Processes  
Across Assessment Years (Continued)**

Instructions: Read across the row to determine if the performance in the row year is significantly higher (▲) or significantly lower (▼) than the performance in the column year.

| Country                          | Retrieving and Straightforward Inferencing |                           |       |       | Interpreting, Integrating, and Evaluating |                           |       |       |
|----------------------------------|--|---------------------------|-------|-------|---|---------------------------|-------|-------|
|                                  | Average Scale Score                        | Differences Between Years |       |       | Average Scale Score                       | Differences Between Years |       |       |
|                                  |  | 2011                      | 2006  | 2001  |   | 2011                      | 2006  | 2001  |
| <b>Spain</b>                     |  |                           |       |       |   |                           |       |       |
| 2016                             | 526 (1.7)                                  | 10 ▲                      | 15 ▲  |       | 529 (1.7)                                 | 19 ▲                      | 17 ▲  |       |
| 2011                             | 516 (2.2)                                  |                           | 5     |       | 510 (2.3)                                 |                           | -3    |       |
| 2006                             | 511 (2.5)                                  |                           |       |       | 513 (2.8)                                 |                           |       |       |
| <b>Sweden</b>                    |  |                           |       |       |   |                           |       |       |
| 2016                             | 560 (2.7)                                  | 17 ▲                      | 6     | -5    | 553 (2.5)                                 | 12 ▲                      | 7 ▲   | -6    |
| 2011                             | 543 (2.1)                                  |                           | -11 ▼ | -23 ▼ | 540 (2.2)                                 |                           | -6    | -18 ▼ |
| 2006                             | 554 (2.2)                                  |                           |       | -12 ▼ | 546 (2.3)                                 |                           |       | -13 ▼ |
| 2001                             | 565 (2.6)                                  |                           |       |       | 559 (2.2)                                 |                           |       |       |
| <b>Trinidad and Tobago</b>       |  |                           |       |       |   |                           |       |       |
| 2016                             | 483 (3.6)                                  | 9                         | 43 ▲  |       | 472 (3.6)                                 | 9                         | 44 ▲  |       |
| 2011                             | 474 (3.8)                                  |                           | 34 ▲  |       | 464 (4.1)                                 |                           | 35 ▲  |       |
| 2006                             | 440 (4.9)                                  |                           |       |       | 429 (5.3)                                 |                           |       |       |
| <b>United Arab Emirates</b>      |  |                           |       |       |   |                           |       |       |
| 2016                             | 448 (3.2)                                  | 9 ▲                       |       |       | 453 (3.3)                                 | 15 ▲                      |       |       |
| 2011                             | 439 (2.3)                                  |                           |       |       | 438 (2.3)                                 |                           |       |       |
| <b>United States</b>             |  |                           |       |       |   |                           |       |       |
| † 2016                           | 543 (3.0)                                  | -6                        | 8     | 5     | 555 (3.1)                                 | -8 ▼                      | 9 ▲   | 8     |
| ‡ 2011                           | 549 (1.5)                                  |                           | 14 ▲  | 11 ▲  | 563 (1.6)                                 |                           | 17 ▲  | 16 ▲  |
| ‡ † 2006                         | 535 (3.5)                                  |                           |       | -3    | 545 (3.7)                                 |                           |       | -2    |
| † 2001                           | 538 (4.2)                                  |                           |       |       | 547 (3.8)                                 |                           |       |       |
| <b>Benchmarking Participants</b> |  |                           |       |       |   |                           |       |       |
| <b>Ontario, Canada</b>           |  |                           |       |       |   |                           |       |       |
| 2016                             | 539 (3.3)                                  | -6                        | -8    | -3    | 548 (3.2)                                 | -11 ▼                     | -14 ▼ | -5    |
| 2 2011                           | 545 (2.4)                                  |                           | -3    | 3     | 559 (2.5)                                 |                           | -3    | 6     |
| 2 2006                           | 547 (3.1)                                  |                           |       | 6     | 563 (3.1)                                 |                           |       | 9 ▲   |
| 2001                             | 541 (3.4)                                  |                           |       |       | 553 (3.1)                                 |                           |       |       |
| <b>Quebec, Canada</b>            |  |                           |       |       |   |                           |       |       |
| ≡ 2016                           | 551 (3.0)                                  | 13 ▲                      | 15 ▲  | 14 ▲  | 545 (3.0)                                 | 7                         | 15 ▲  | 5     |
| 2011                             | 538 (2.1)                                  |                           | 2     | 1     | 538 (2.3)                                 |                           | 8 ▲   | -2    |
| 2006                             | 536 (2.7)                                  |                           |       | 0     | 530 (2.7)                                 |                           |       | -10 ▼ |
| 2001                             | 537 (3.2)                                  |                           |       |       | 540 (3.0)                                 |                           |       |       |
| <b>Eng/Afr/Zulu - RSA (5)</b>    |  |                           |       |       |   |                           |       |       |
| 2016                             | 407 (6.1)                                  |                           | 53 ▲  |       | 400 (6.2)                                 |                           | 57 ▲  |       |
| 2006                             | 355 (8.4)                                  |                           |       |       | 343 (8.8)                                 |                           |       |       |
| <b>Andalusia, Spain</b>          |  |                           |       |       |   |                           |       |       |
| 2016                             | 522 (1.9)                                  | 4                         |       |       | 527 (2.3)                                 | 17 ▲                      |       |       |
| 2011                             | 518 (2.3)                                  |                           |       |       | 510 (2.3)                                 |                           |       |       |
| <b>Abu Dhabi, UAE</b>            |  |                           |       |       |   |                           |       |       |
| 2016                             | 413 (4.6)                                  | -11                       |       |       | 417 (4.7)                                 | -8                        |       |       |
| 2011                             | 424 (4.5)                                  |                           |       |       | 425 (4.6)                                 |                           |       |       |
| <b>Dubai, UAE</b>                |  |                           |       |       |   |                           |       |       |
| 2016                             | 512 (2.4)                                  | 34 ▲                      |       |       | 519 (1.9)                                 | 45 ▲                      |       |       |
| 2011                             | 478 (2.3)                                  |                           |       |       | 474 (2.2)                                 |                           |       |       |

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2016

▲ More recent year significantly higher

▼ More recent year significantly lower