

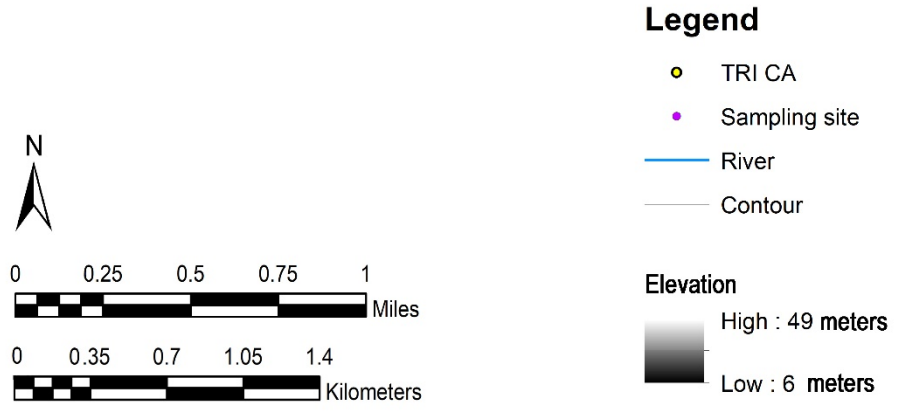
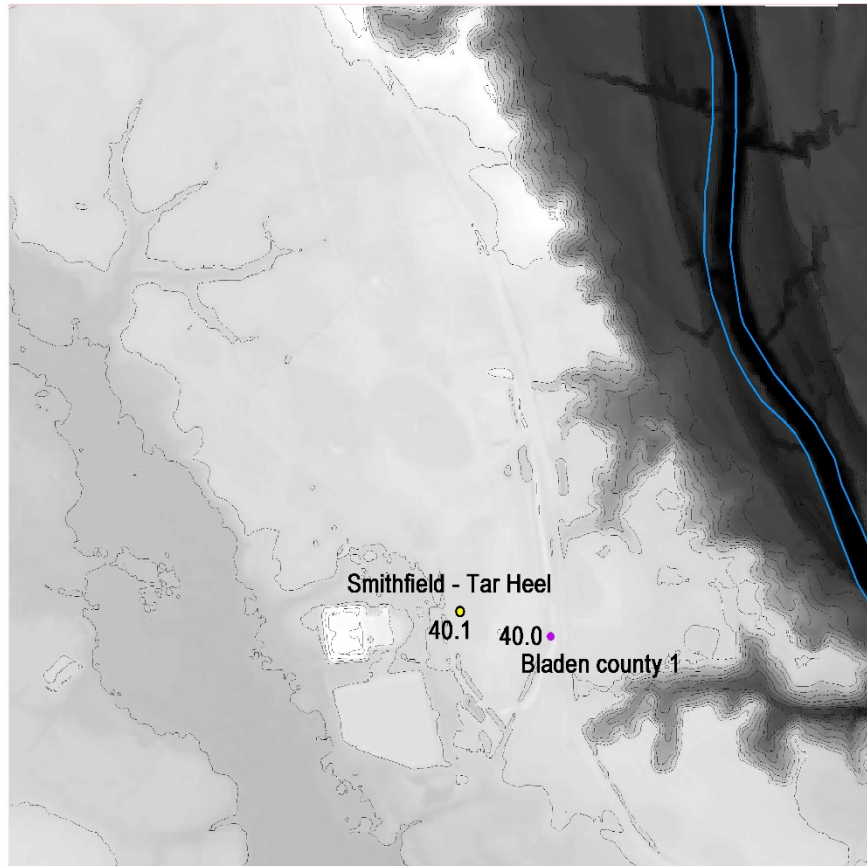
Supplemental Figure 1

Contour maps of sampling locations

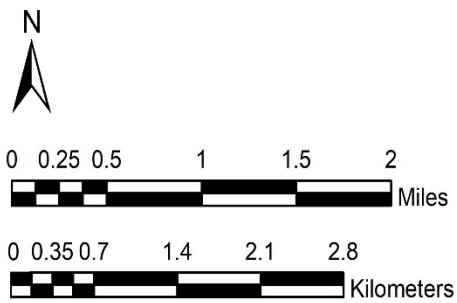
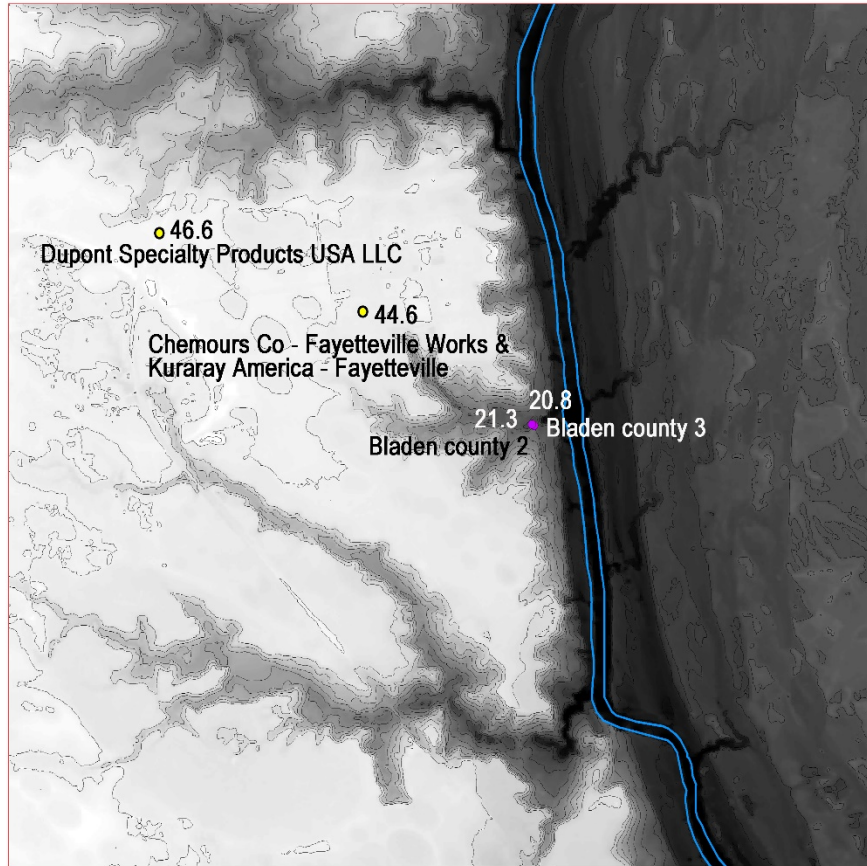
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Bladen County 2-3.....	3
New Hanover 1-4.....	4
Robeson County 1-3.....	5
Wayne County 1-2.....	6

Bladen County (site 1). See Supplemental Table 1 for site locations and sampling times.



Bladen County (sites 2-3). See Supplemental Table 1 for site locations and sampling times.



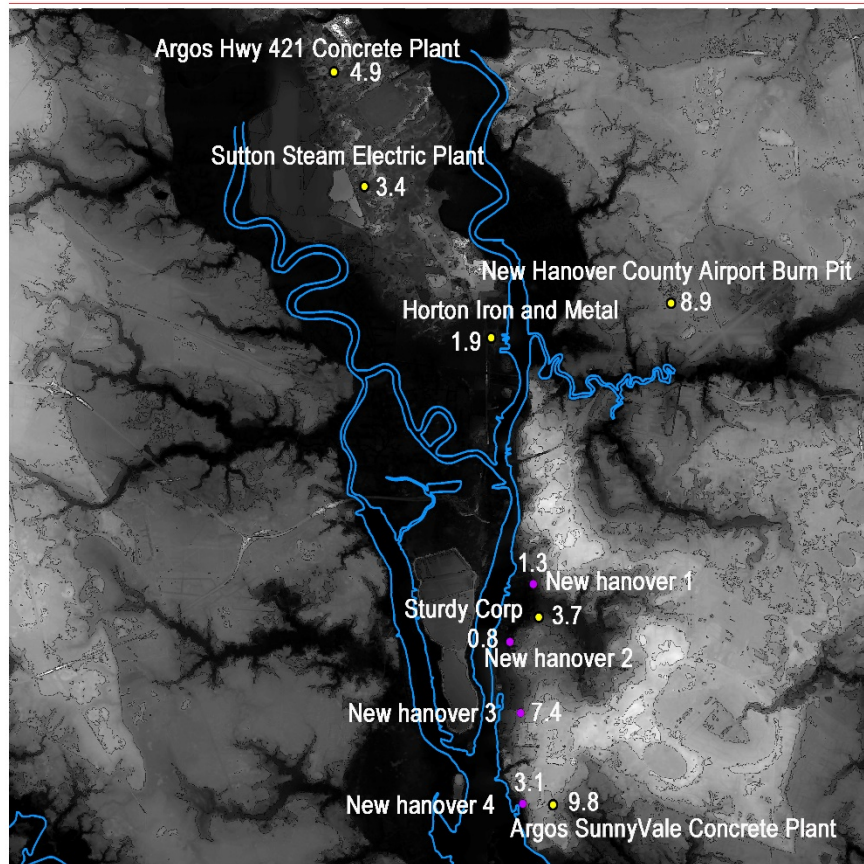
Legend

- TRI CA
- Sampling site
- River
- Contour

Elevation

- High : 49 meters
- Low : 6 meters

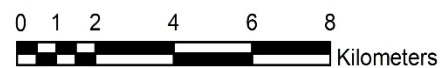
New Hanover (sites 1-4). See Supplemental Table 1 for site locations and sampling times.



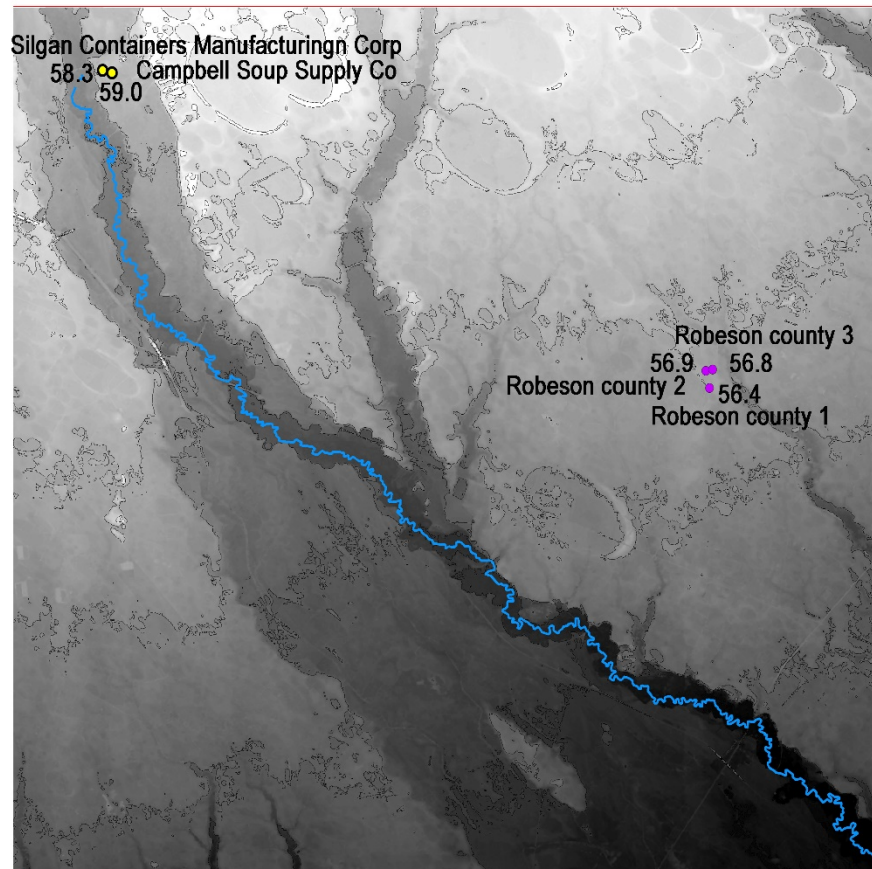
Legend

- TRI CA
- Sampling site
- River
- Contour

Elevation



Robeson County (sites 1-3). See Supplemental Table 1 for site locations and sampling times.

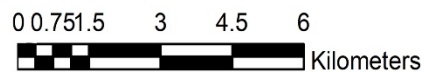


Legend

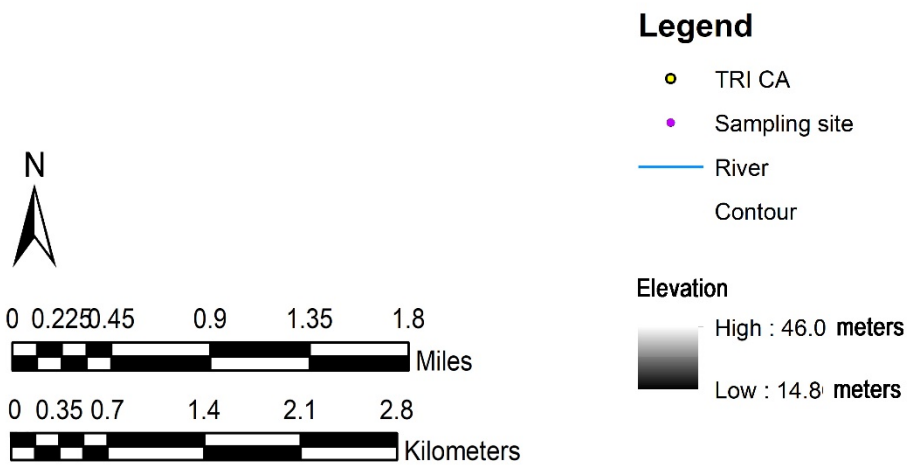
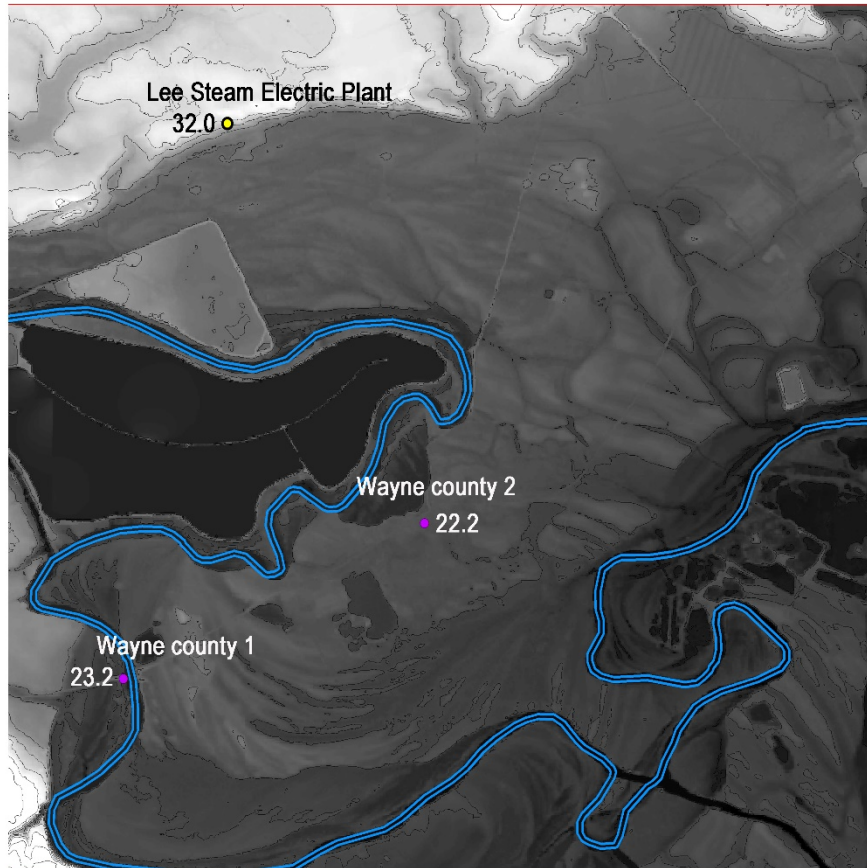
- TRI CA
- Sampling site
- River
- Contour

Elevation

- High : 68.5 meters
- Low : 41.5 meters



Wayne County (sites 1-2). See Supplemental Table 1 for site locations and sampling times.



Supplemental Figure 2

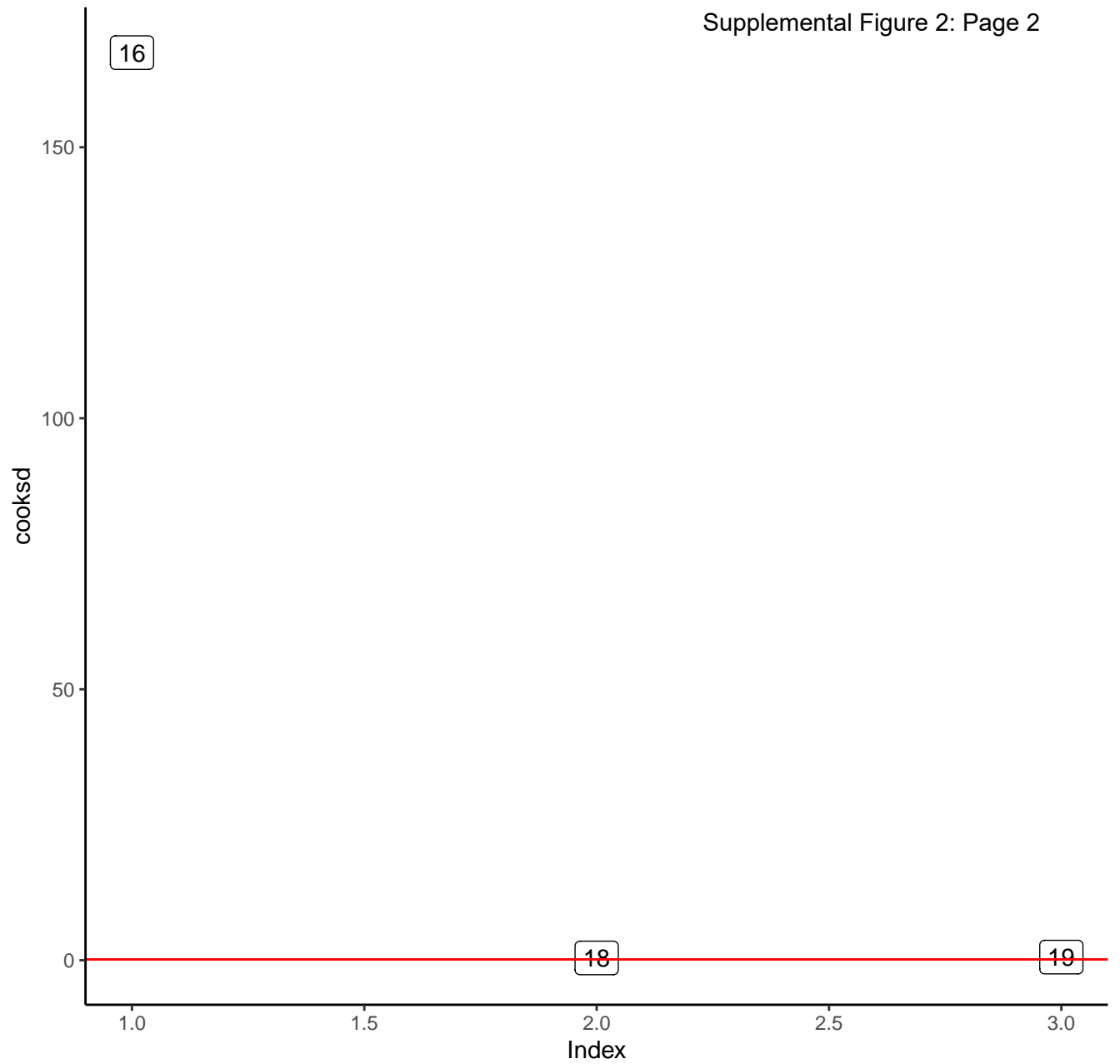
Cook's Outlier Distance Plots: Metal~Aluminum

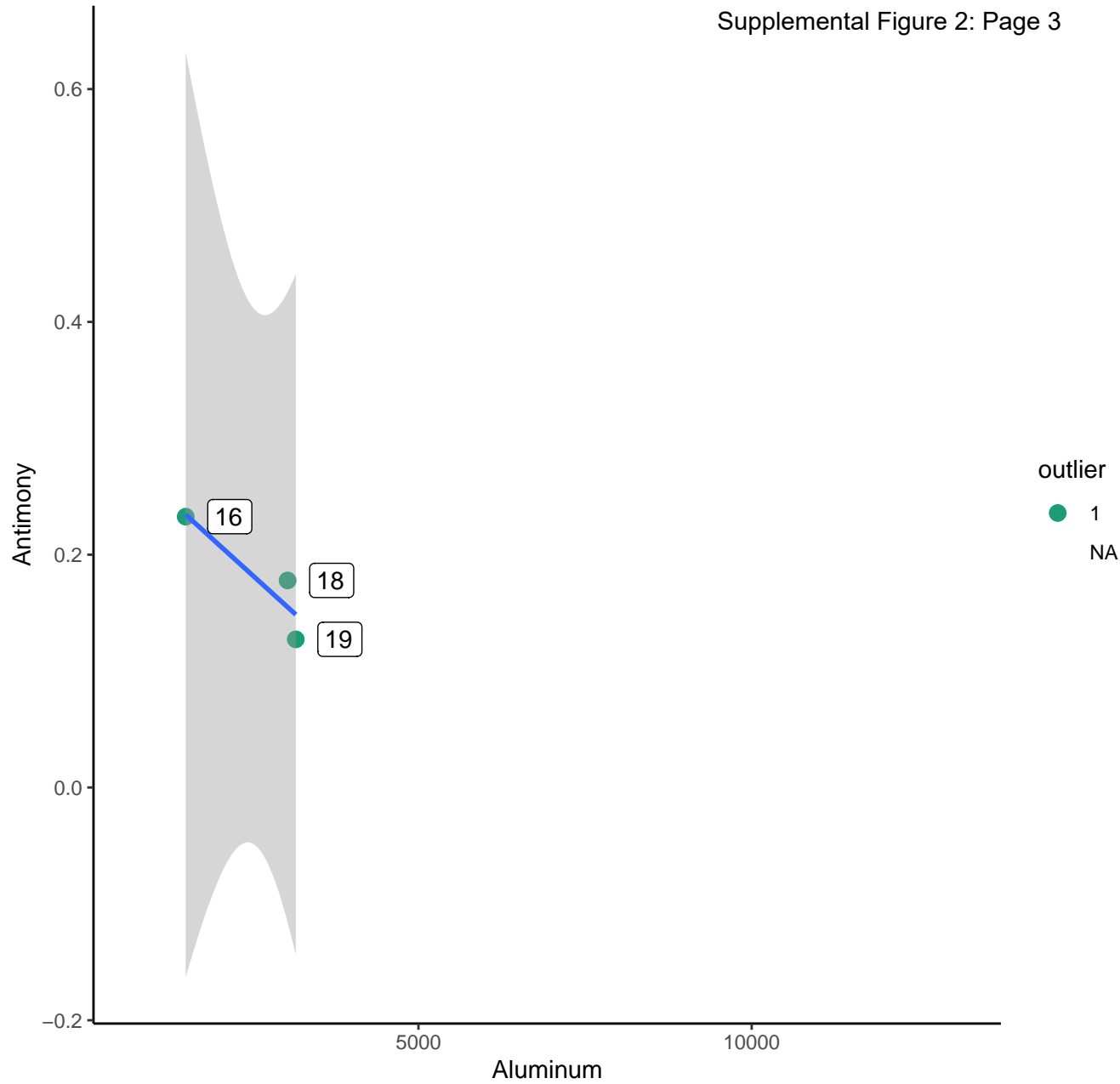
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Cobalt	13
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Lithium.....	21
Manganese.....	23
Nickel	25
Selenium.....	27
Silver	29
Strontium.....	31
Zinc	33
Magnesium.....	35
Tin	37
Vanadium.....	39
Mercury	41

Cooks Outlier Plot for Antimony~Aluminum

Supplemental Figure 2: Page 2

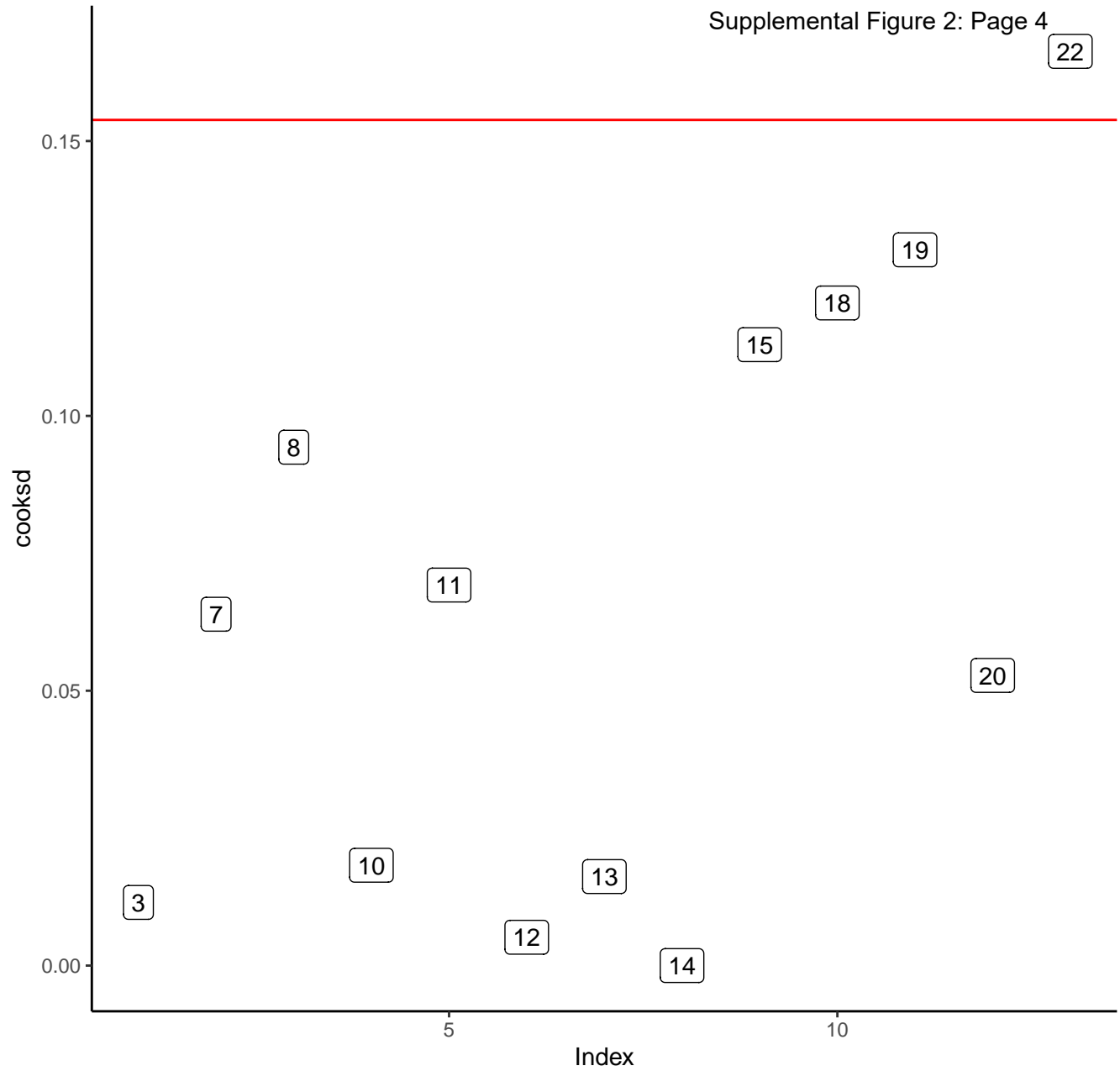




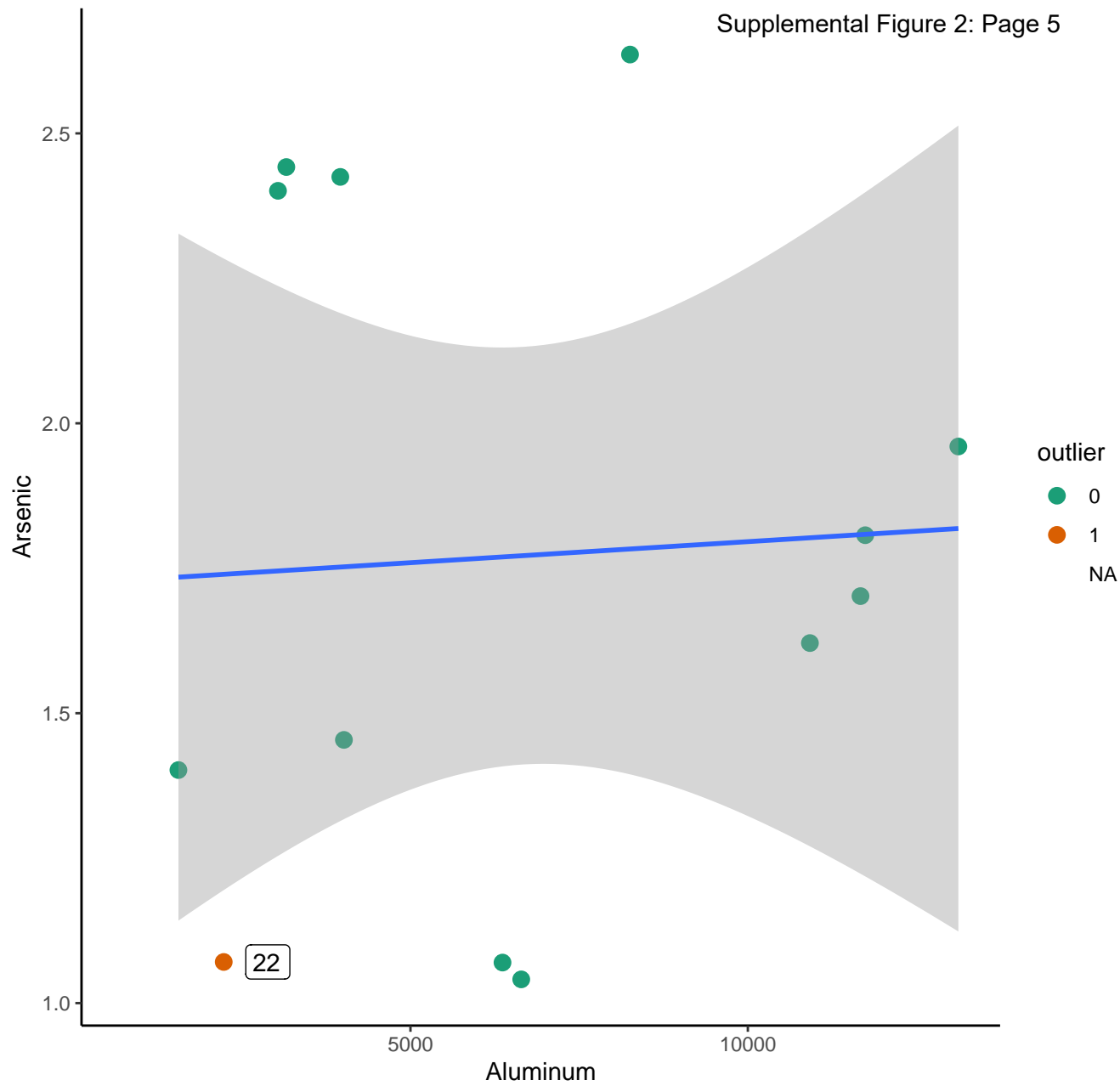
Cooks Outlier Plot for Arsenic~Aluminum

Supplemental Figure 2: Page 4

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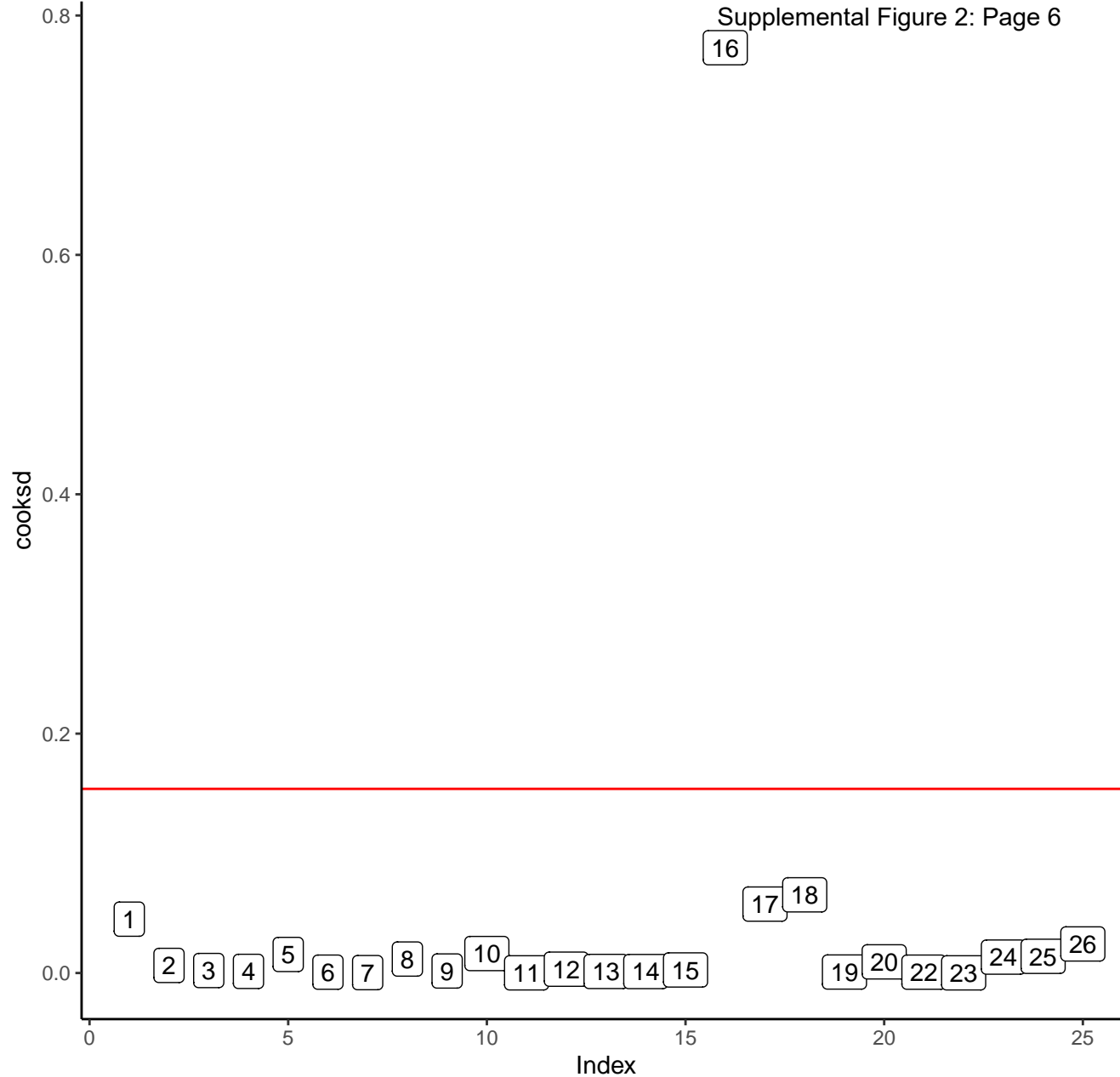


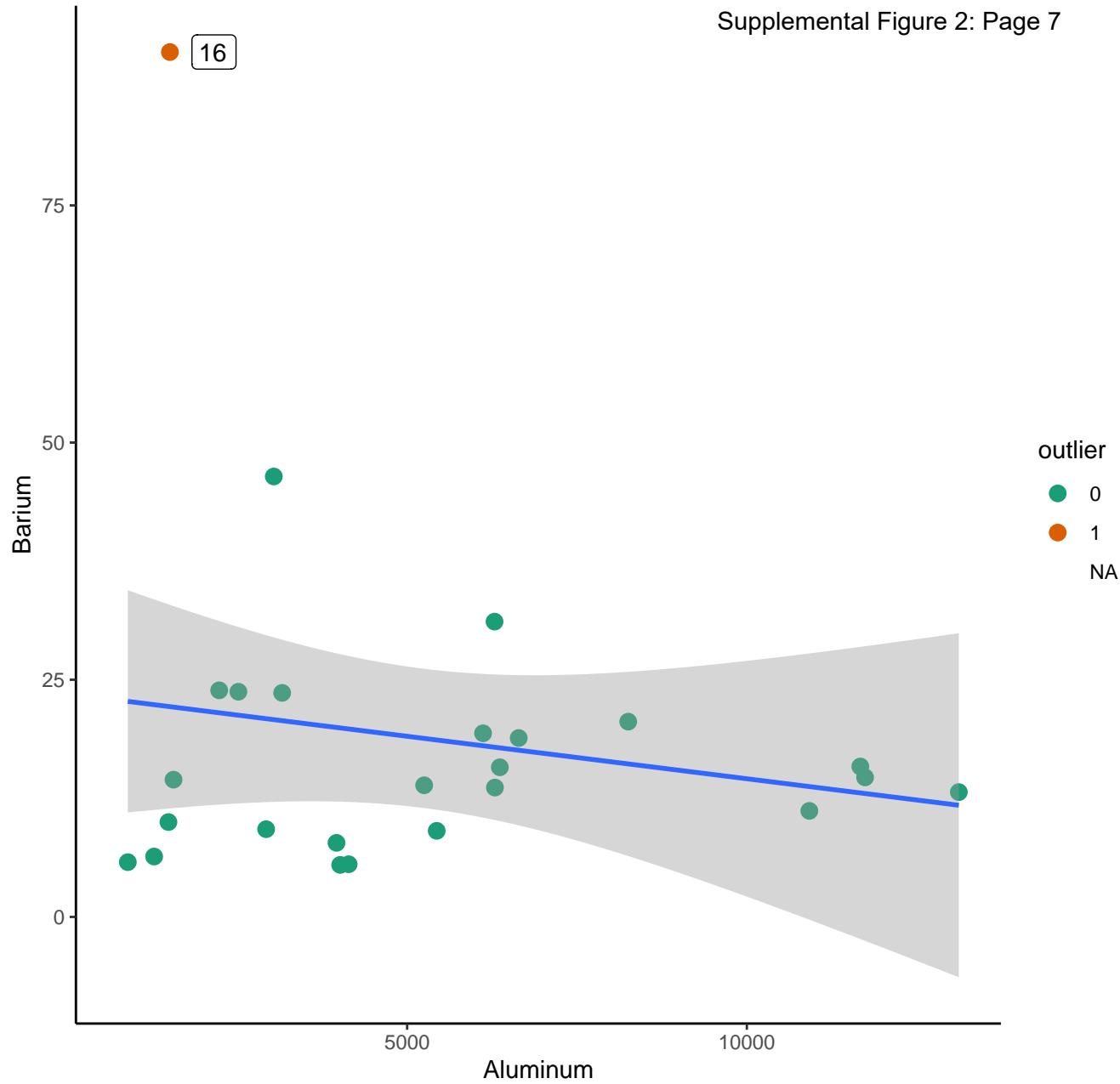
Plot for Arsenic~Aluminum



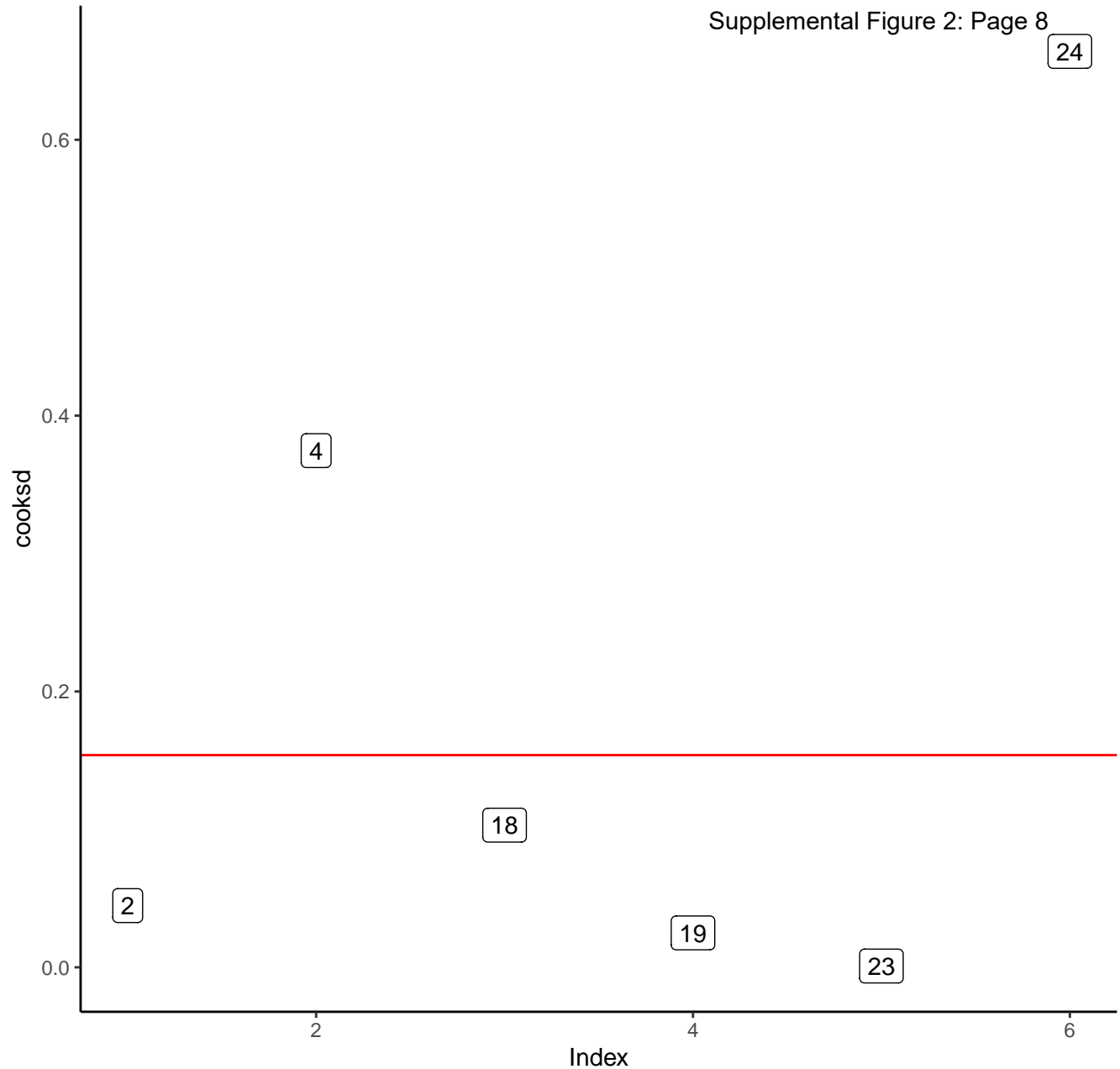
Cooks Outlier Plot for Barium~Aluminum

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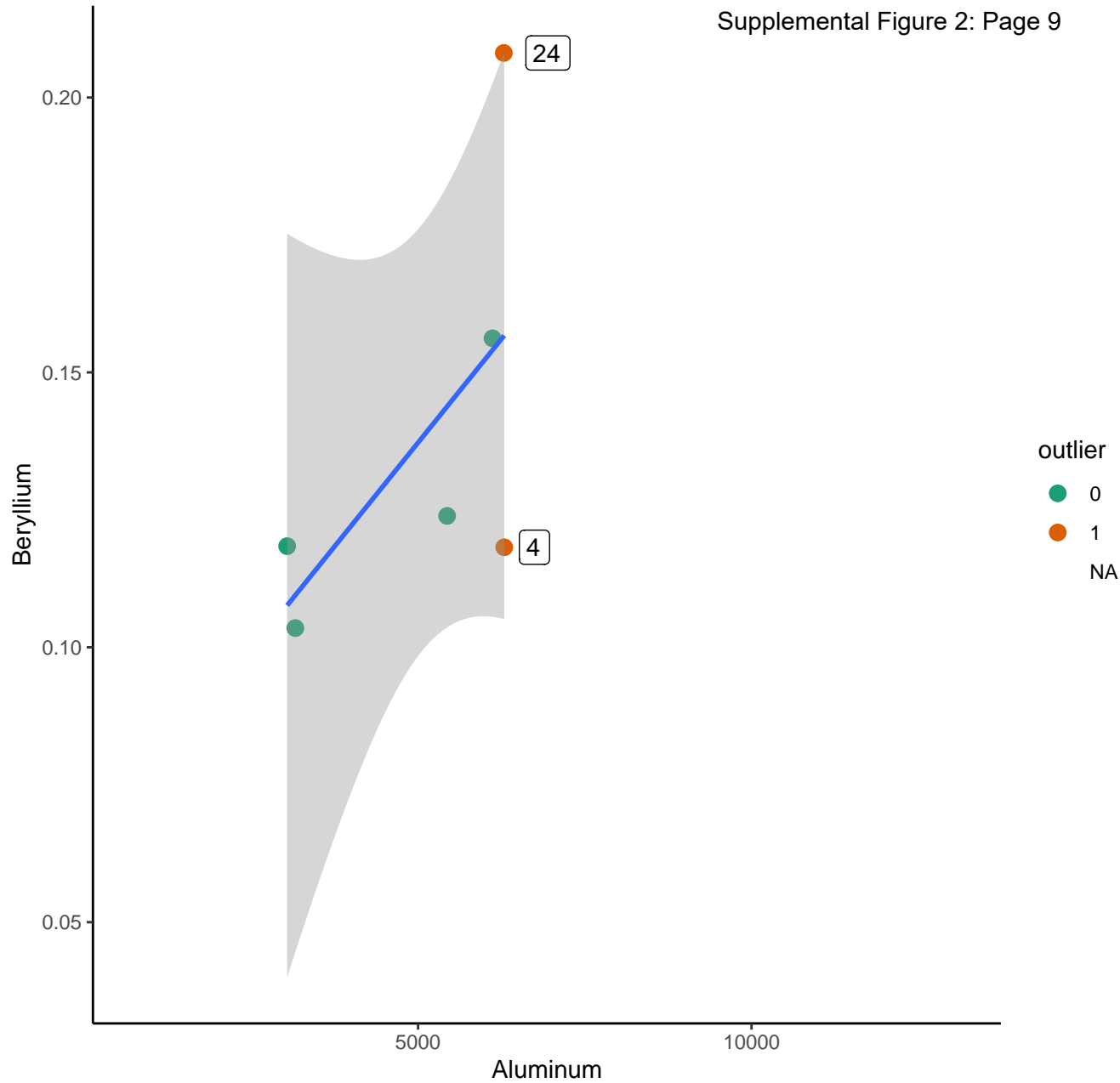


Cooks Outlier Plot for Beryllium~Aluminum



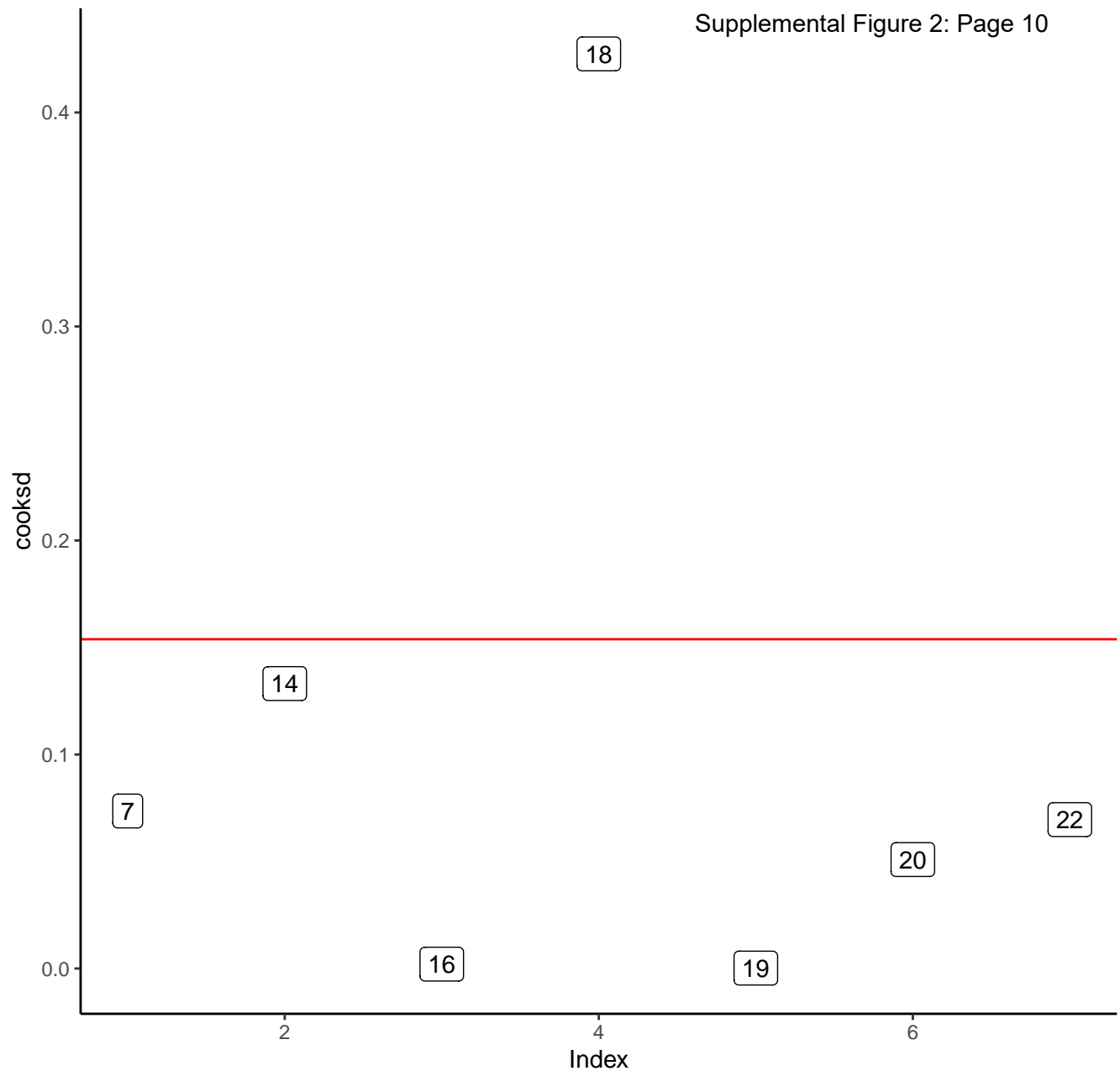
Plot for Beryllium~Aluminum

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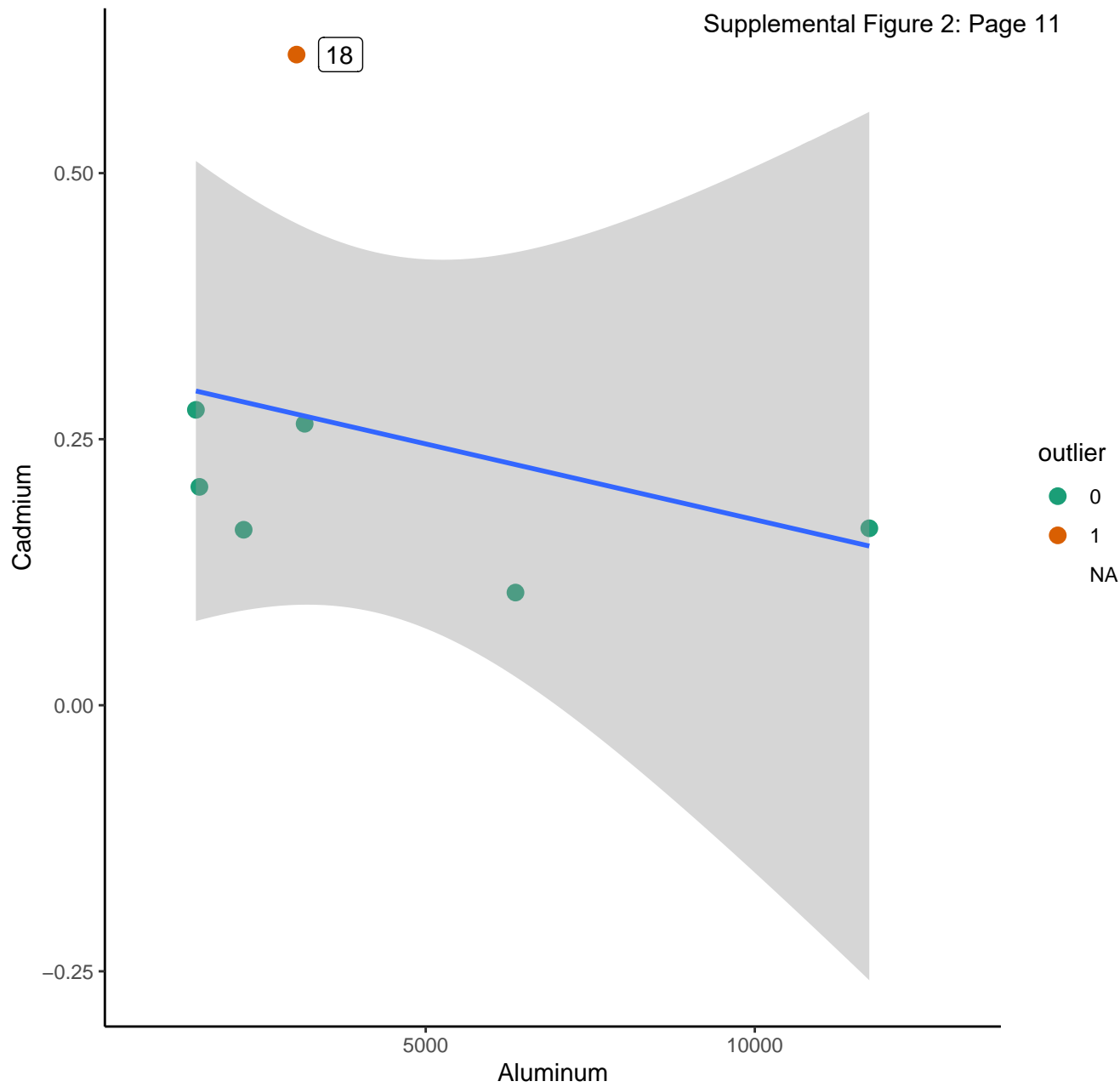
Cooks Outlier Plot for Cadmium~Aluminum

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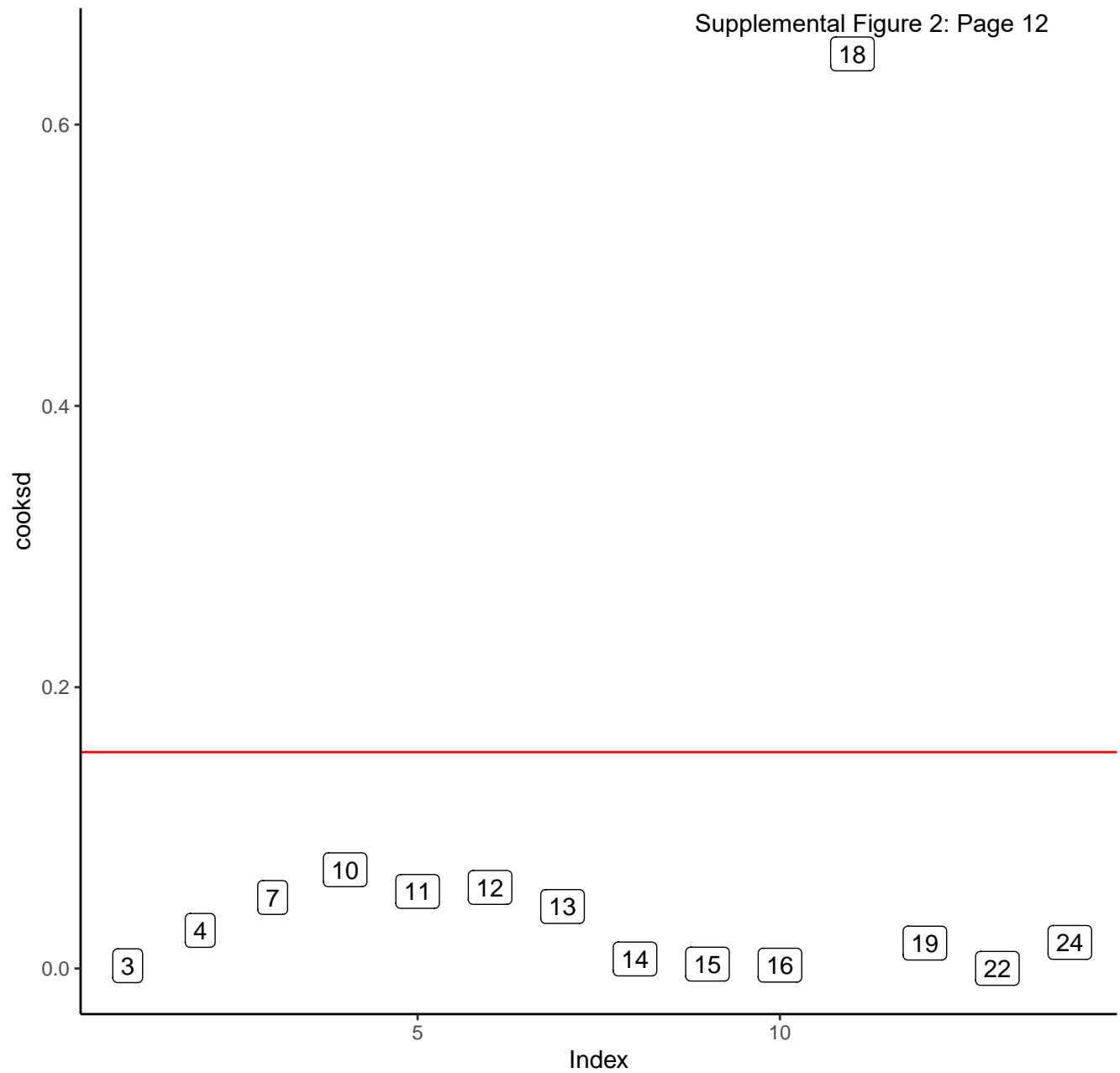
Plot for Cadmium~Aluminum

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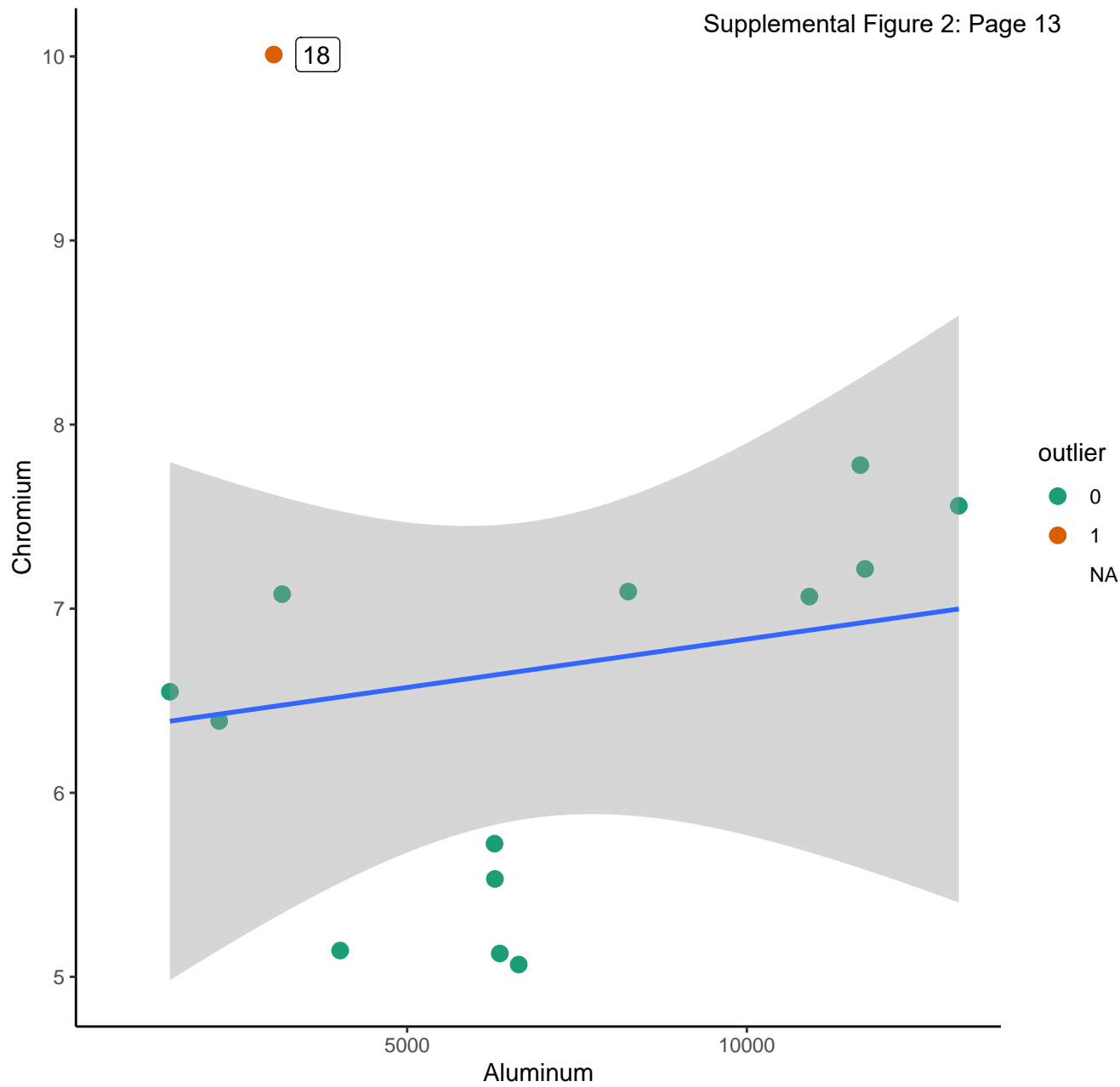
Cooks Outlier Plot for Chromium~Aluminum

Supplemental Figure 2: Page 12



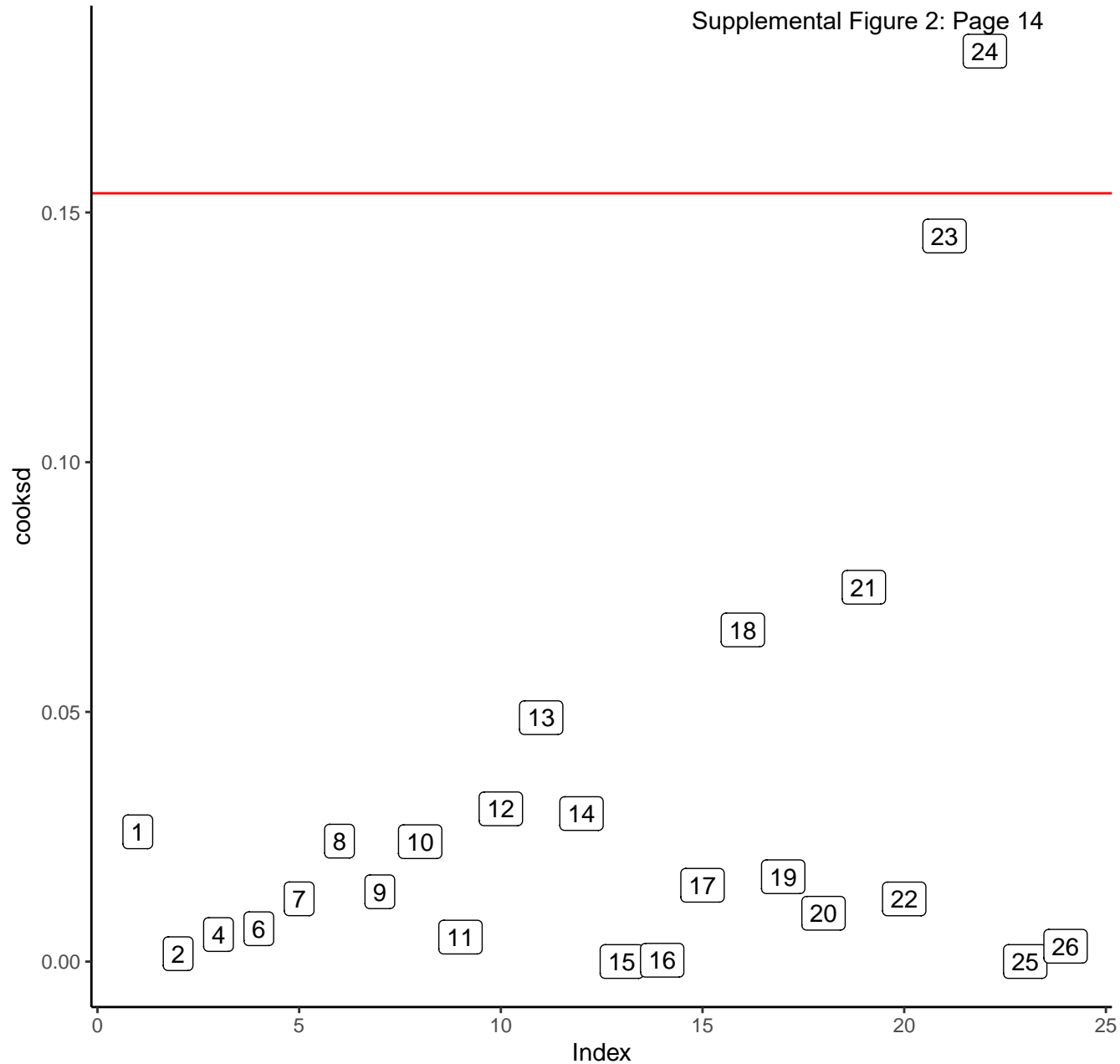
Plot for Chromium~Aluminum

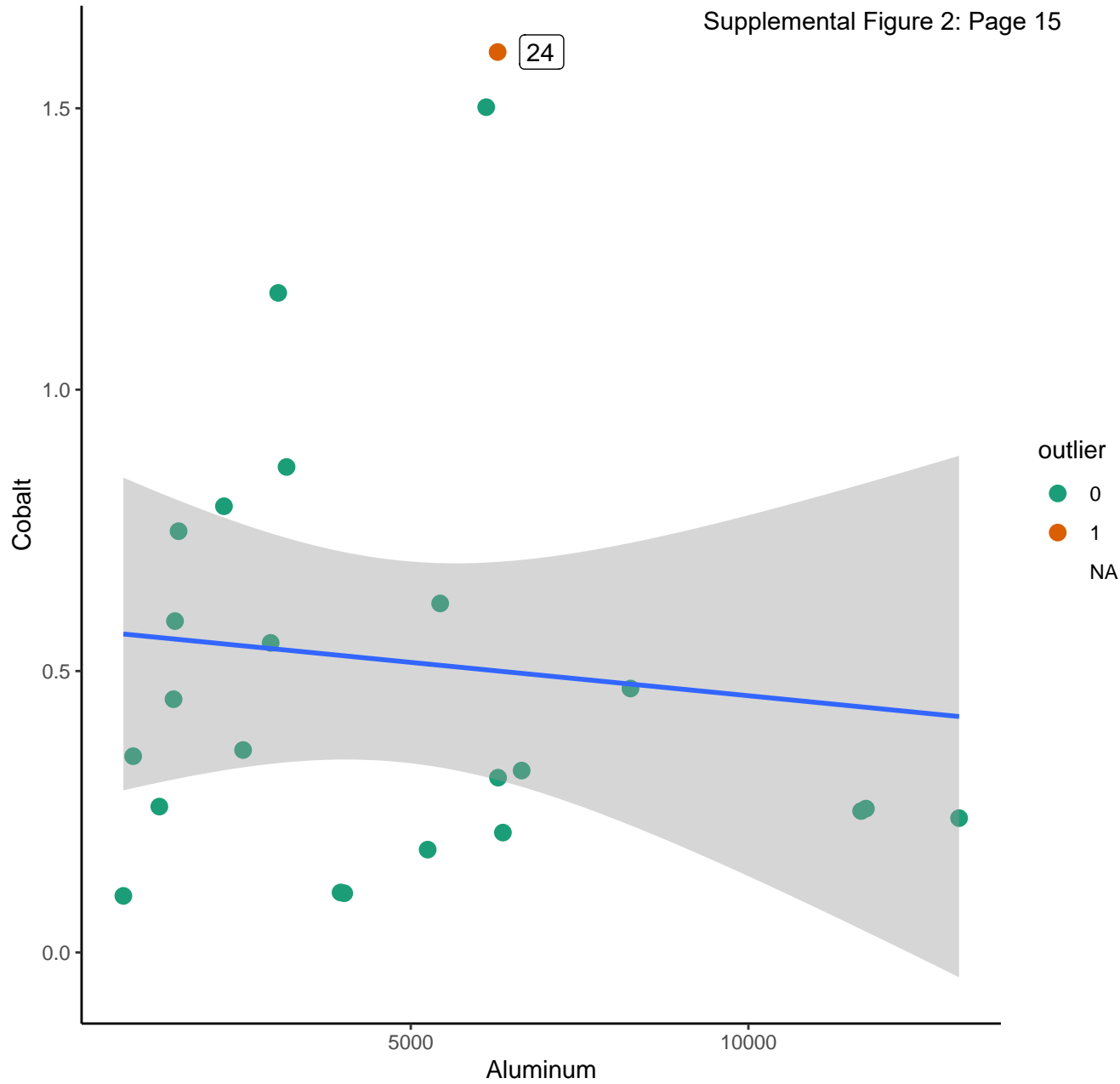
Supplemental Figure 2: Page 13



Cooks Outlier Plot for Cobalt~Aluminum

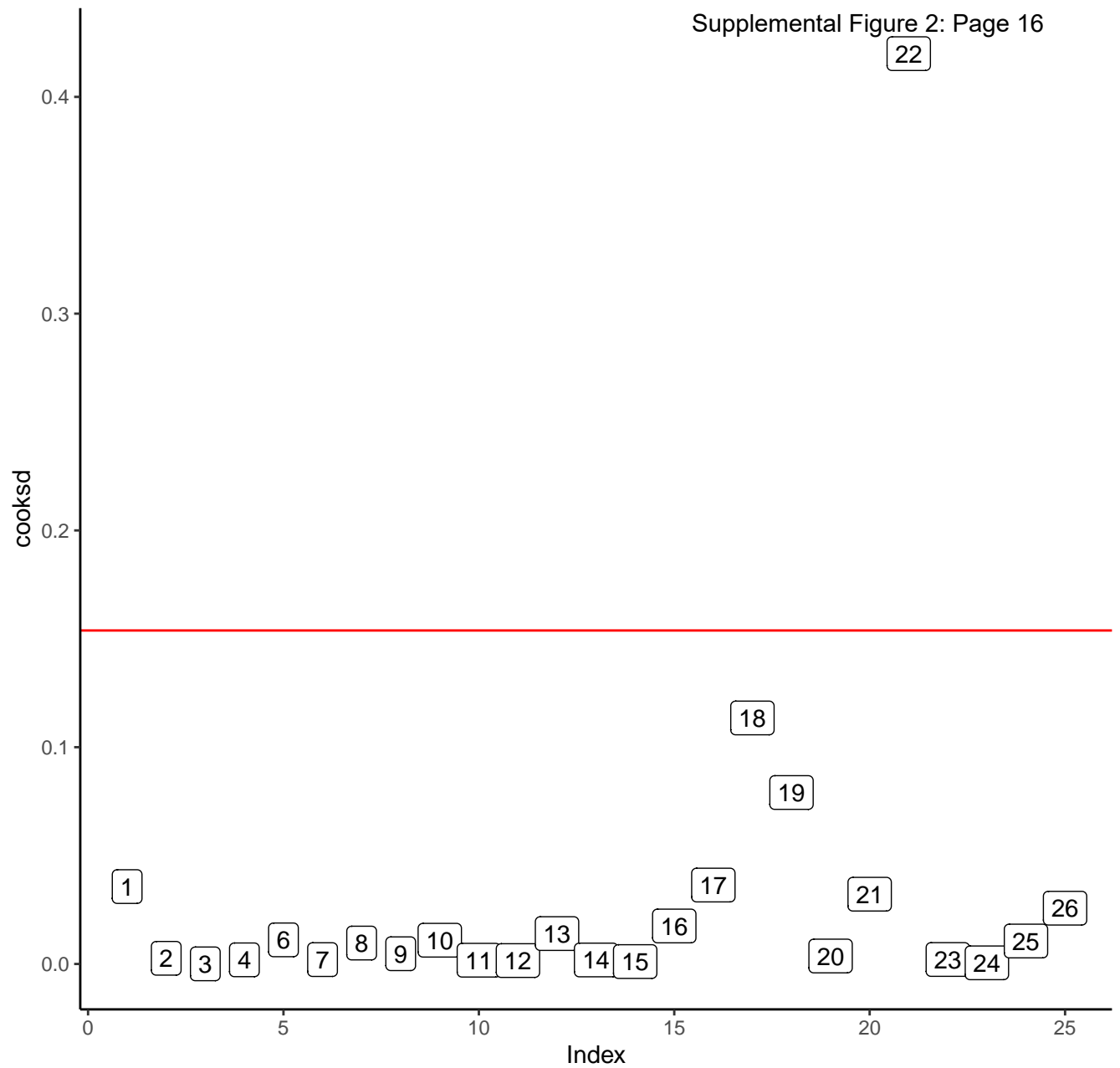
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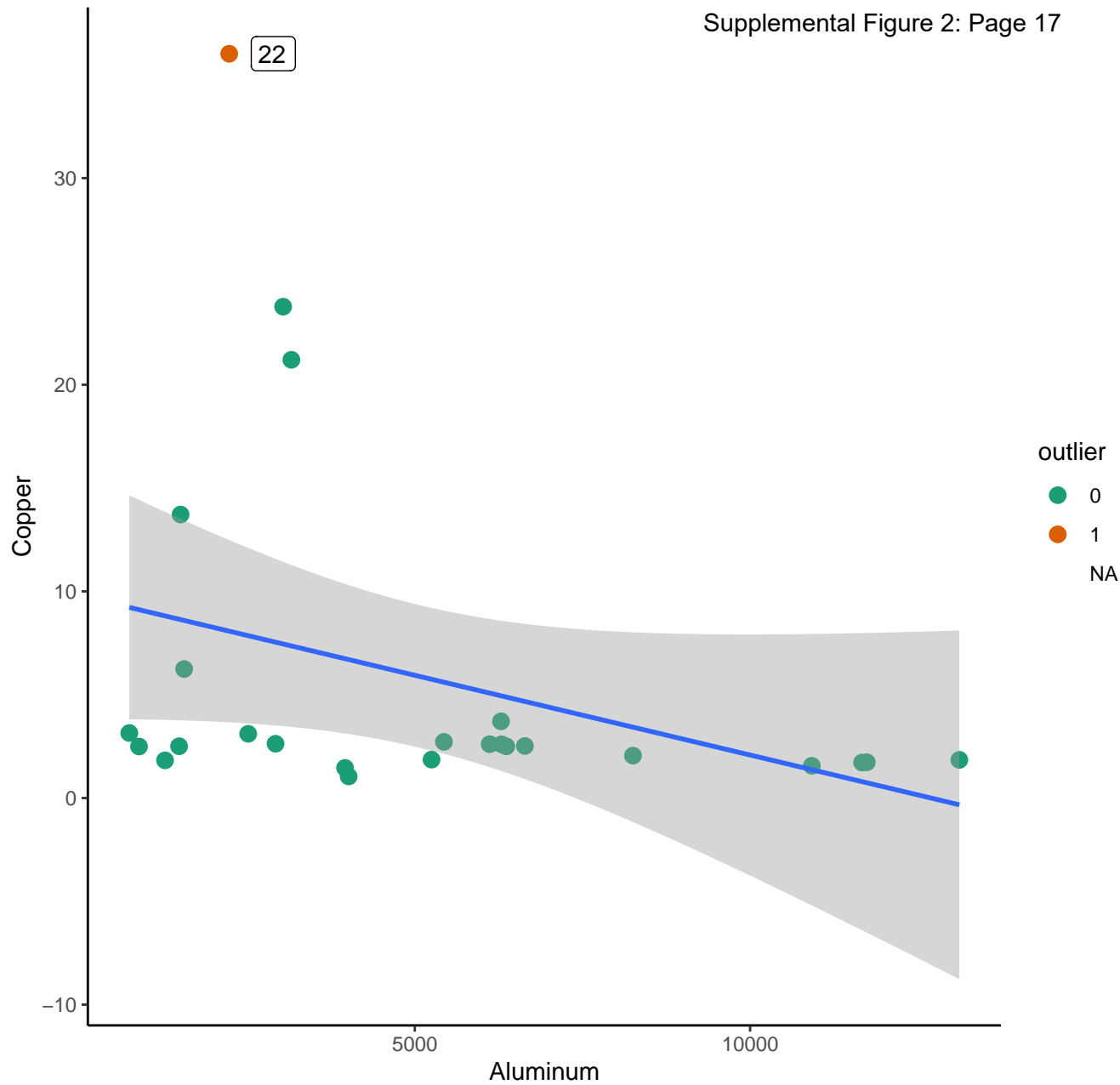




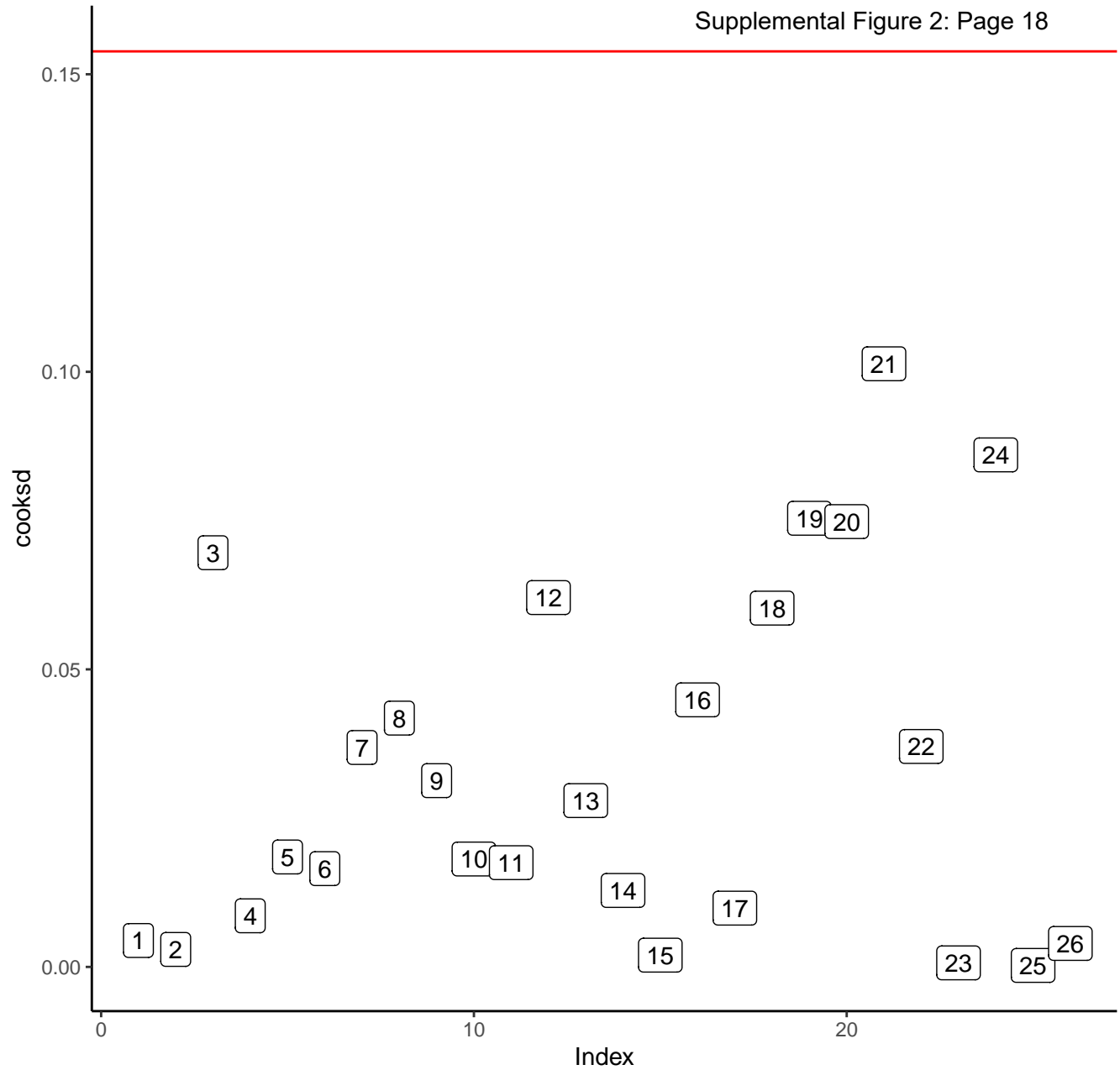
Cooks Outlier Plot for Copper~Aluminum

Supplemental Figure 2: Page 16

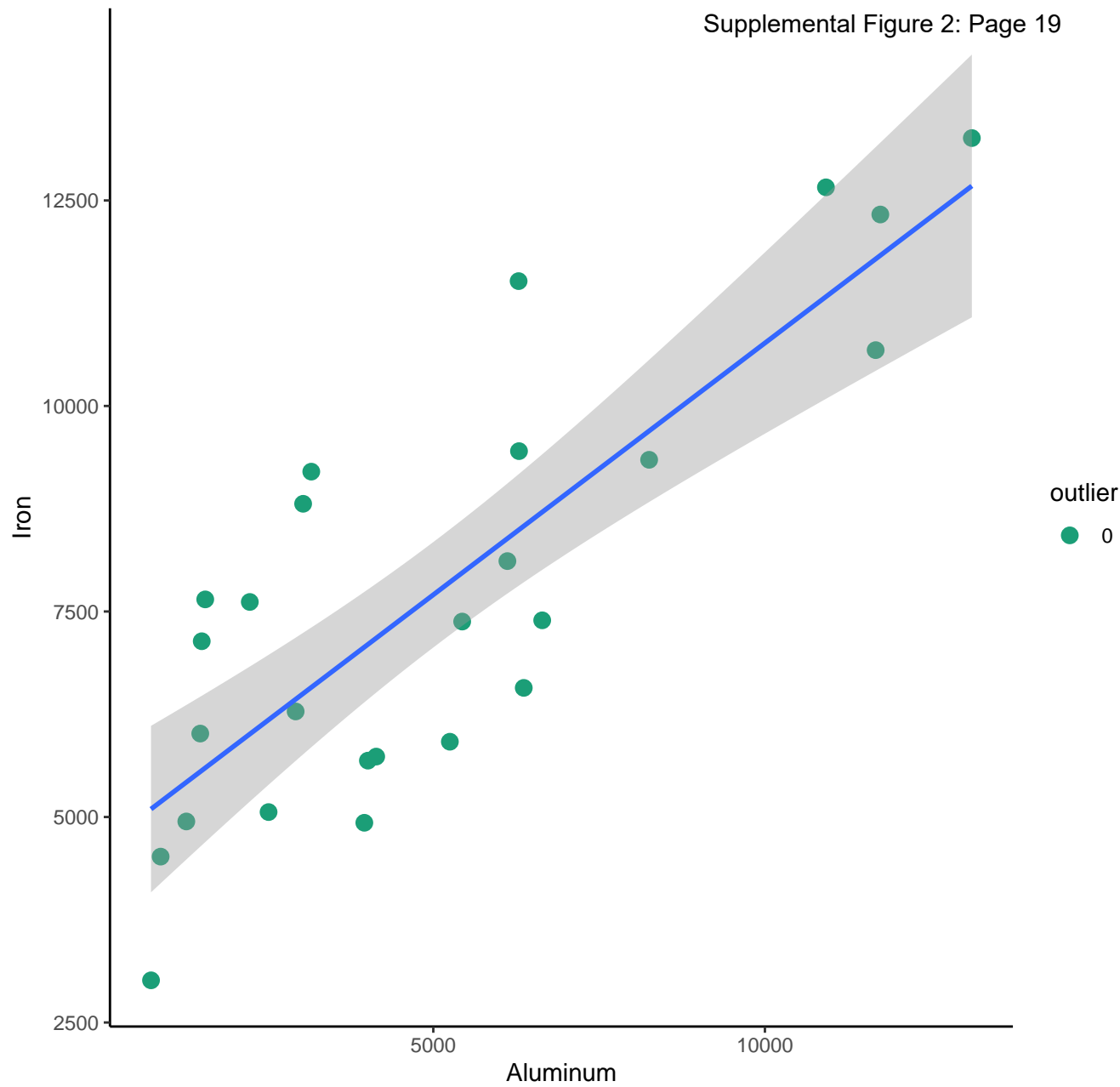




Cooks Outlier Plot for Iron~Aluminum

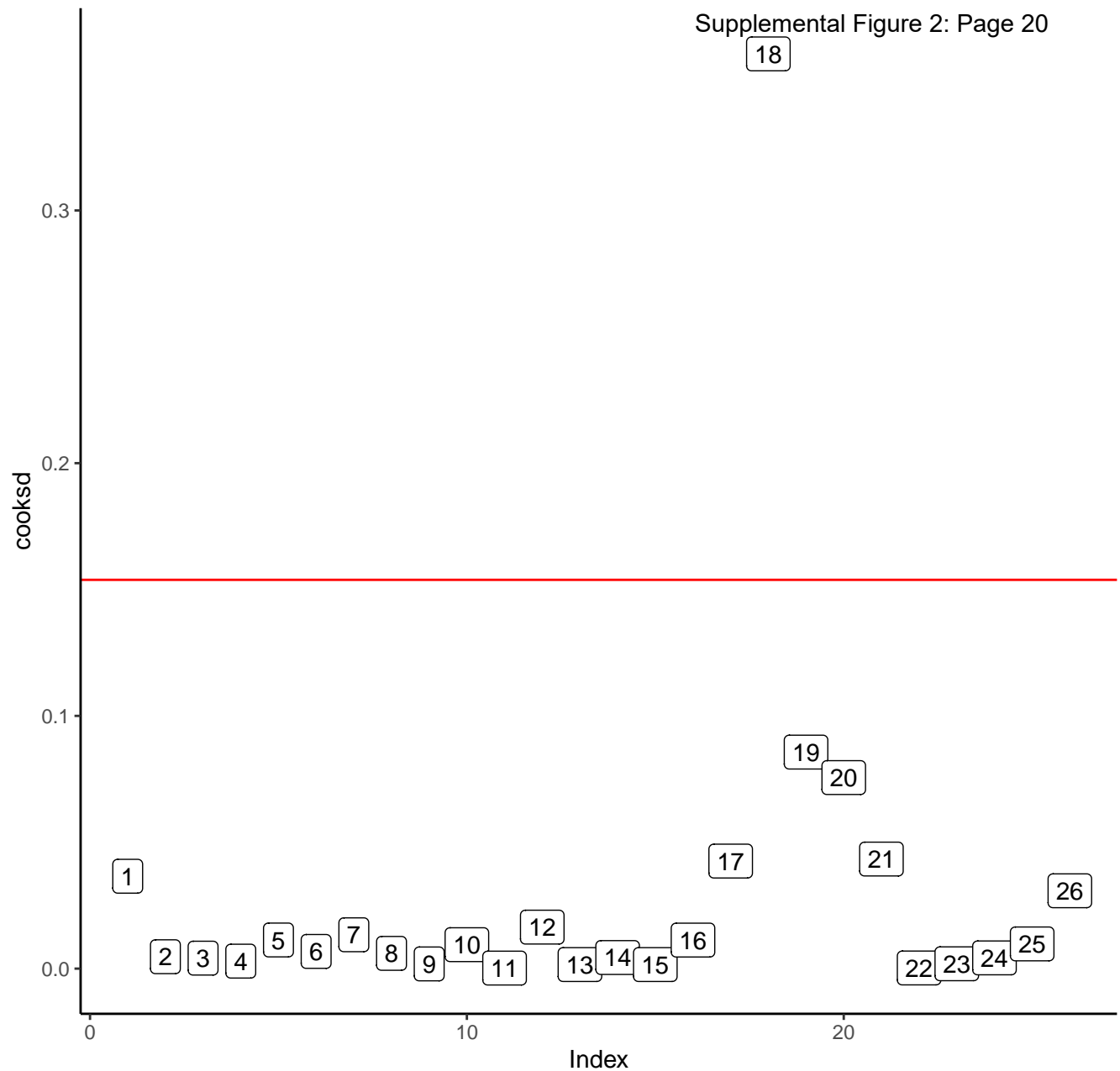


Plot for Iron~Aluminum

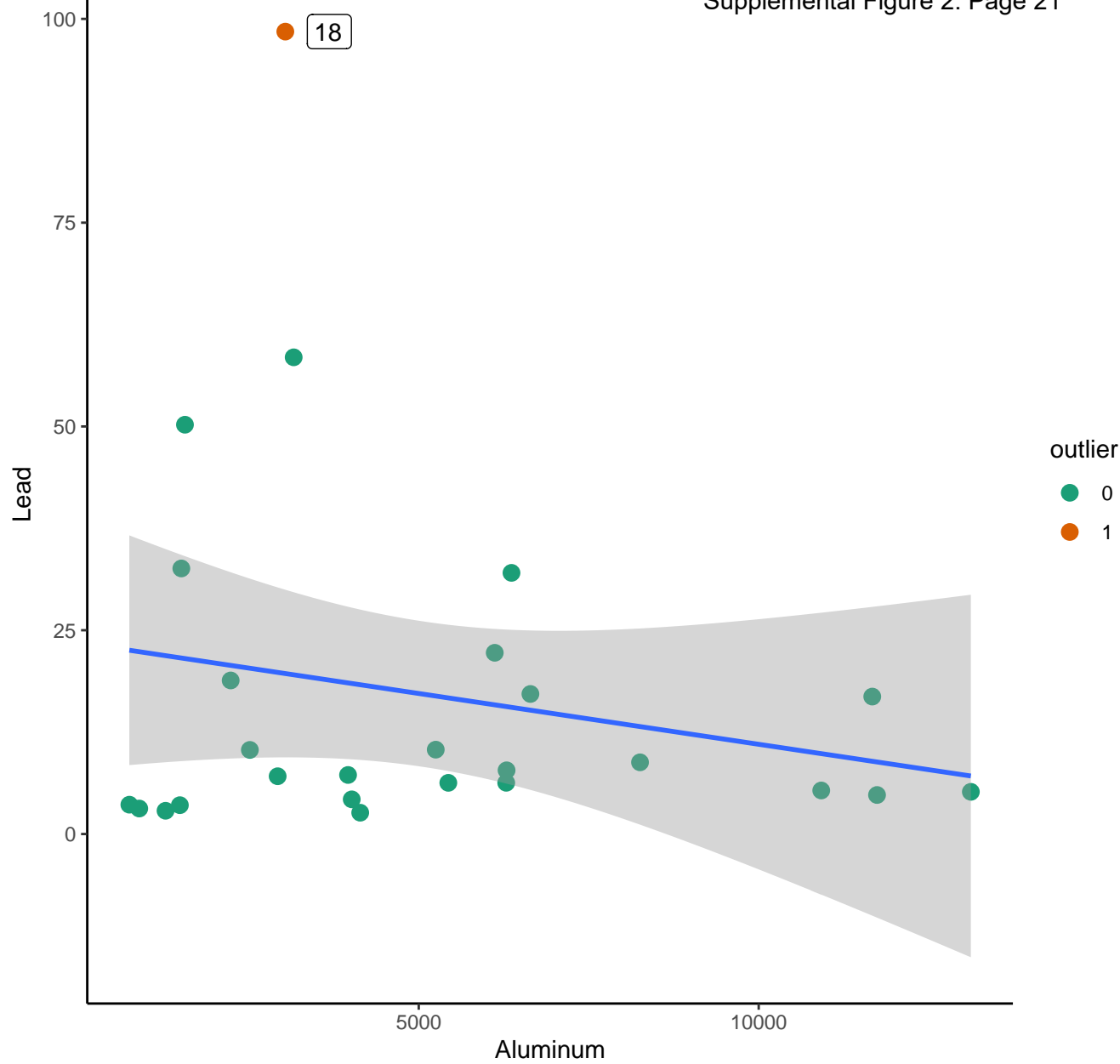


Cooks Outlier Plot for Lead~Aluminum

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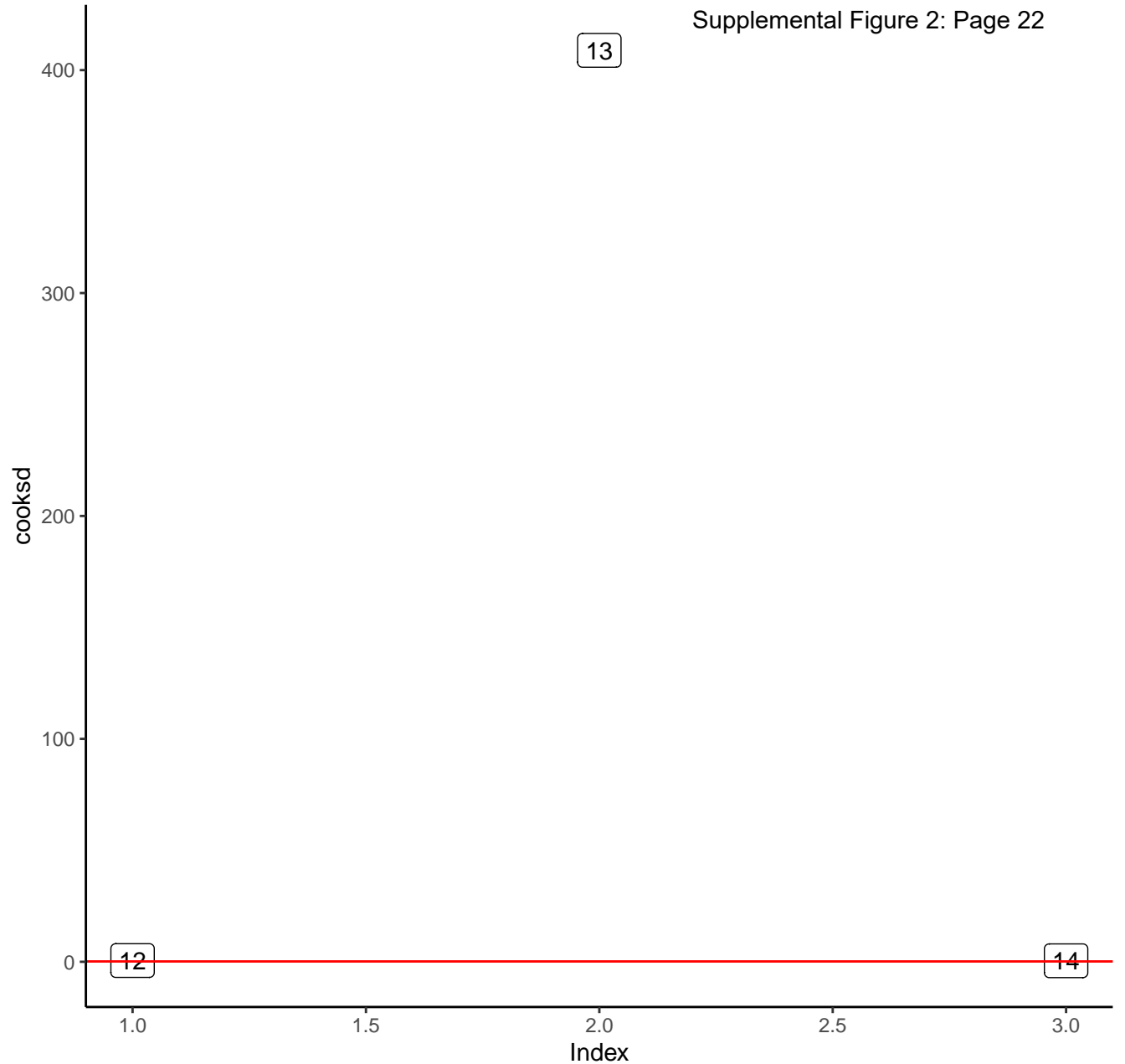


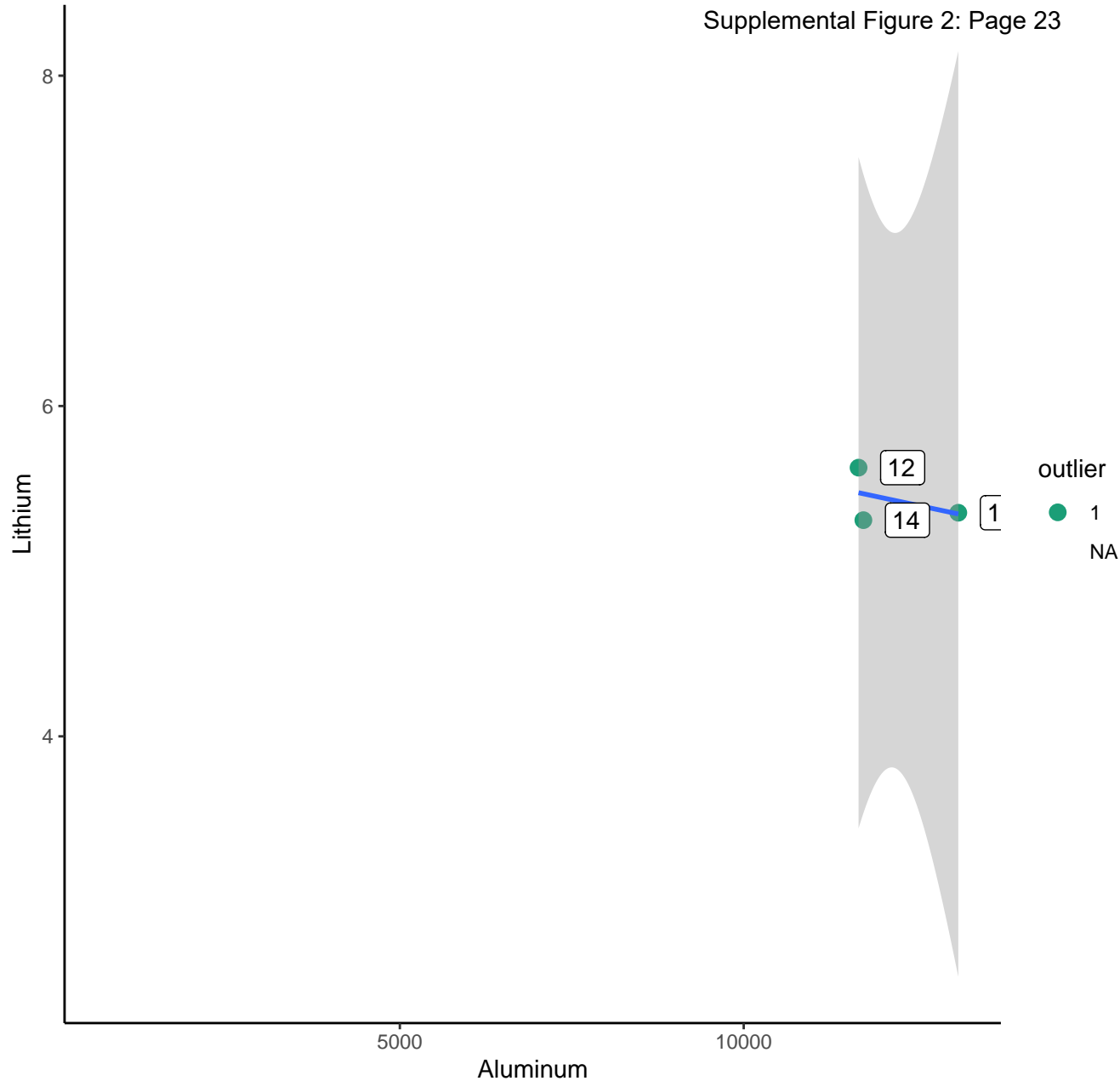
Plot for Lead~Aluminum



Cooks Outlier Plot for Lithium~Aluminum

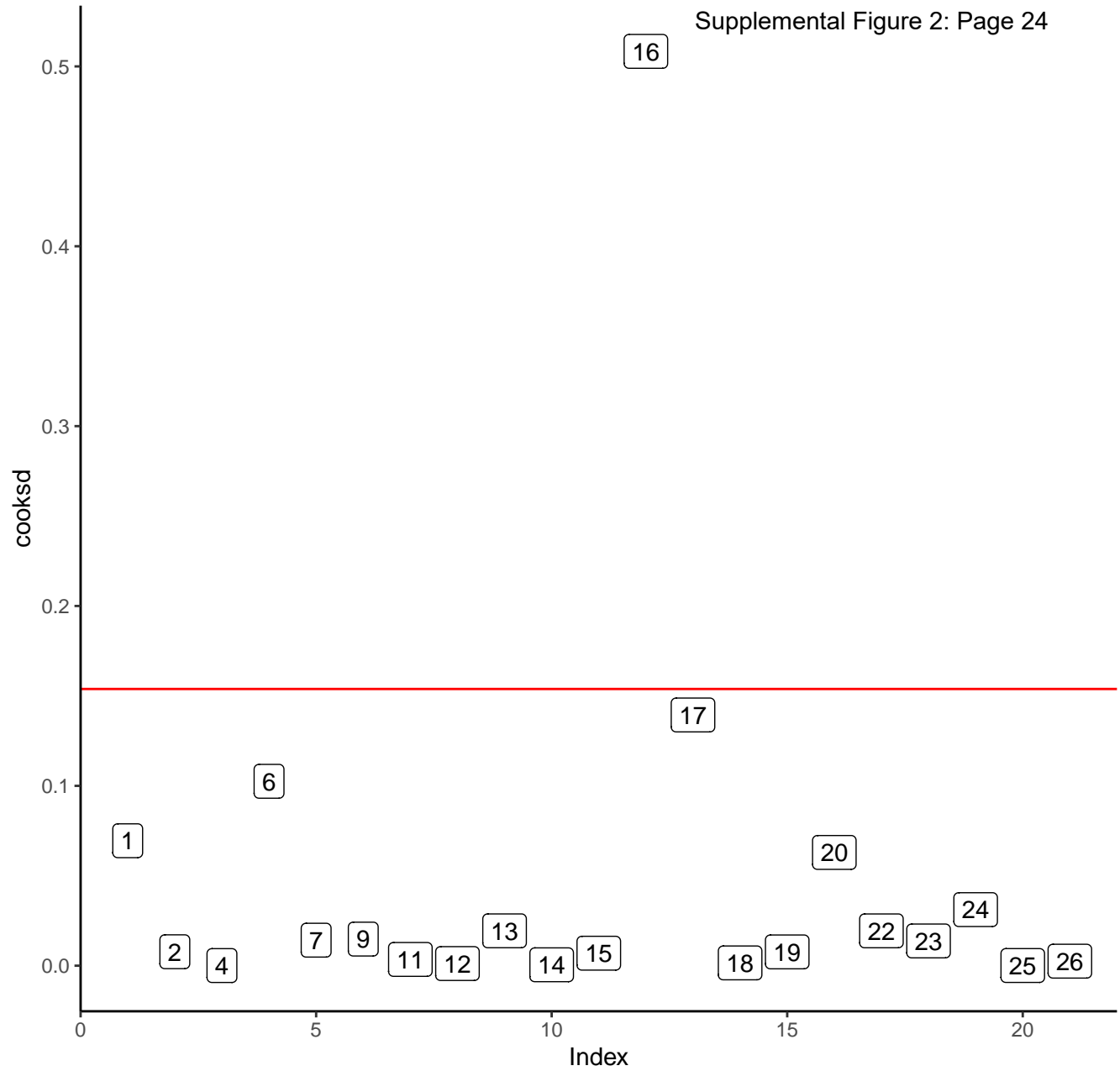
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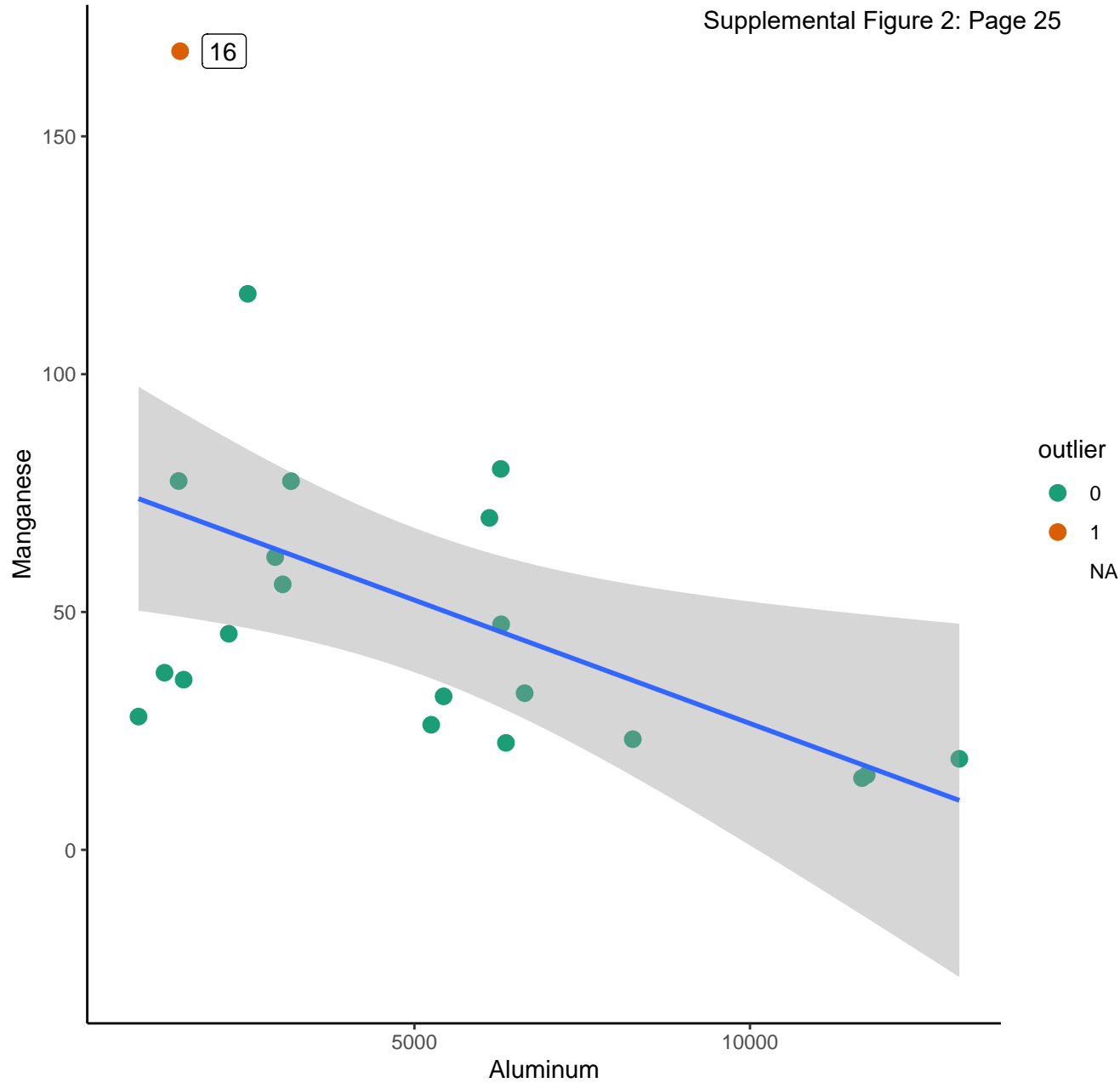




Cooks Outlier Plot for Manganese~Aluminum

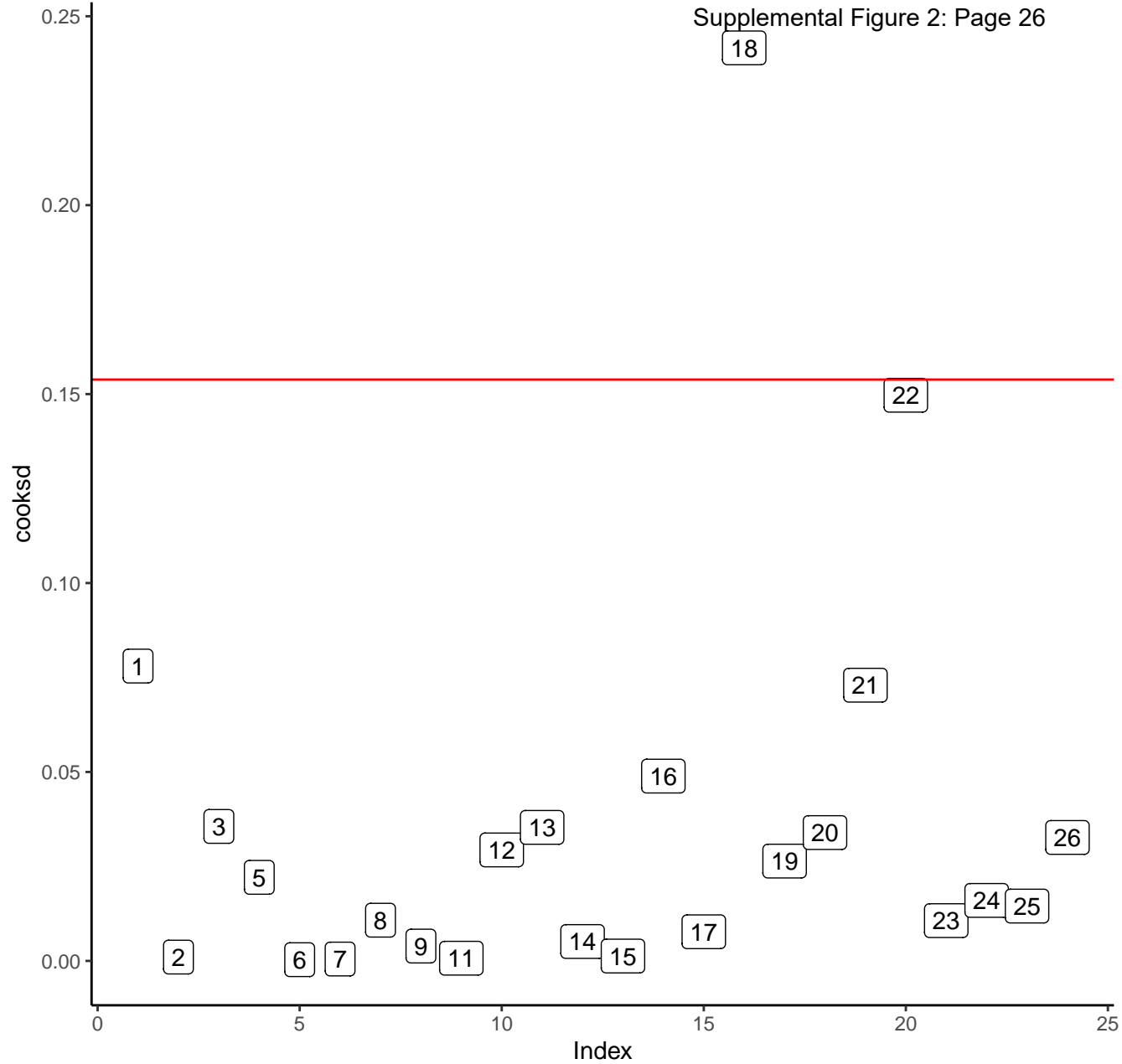
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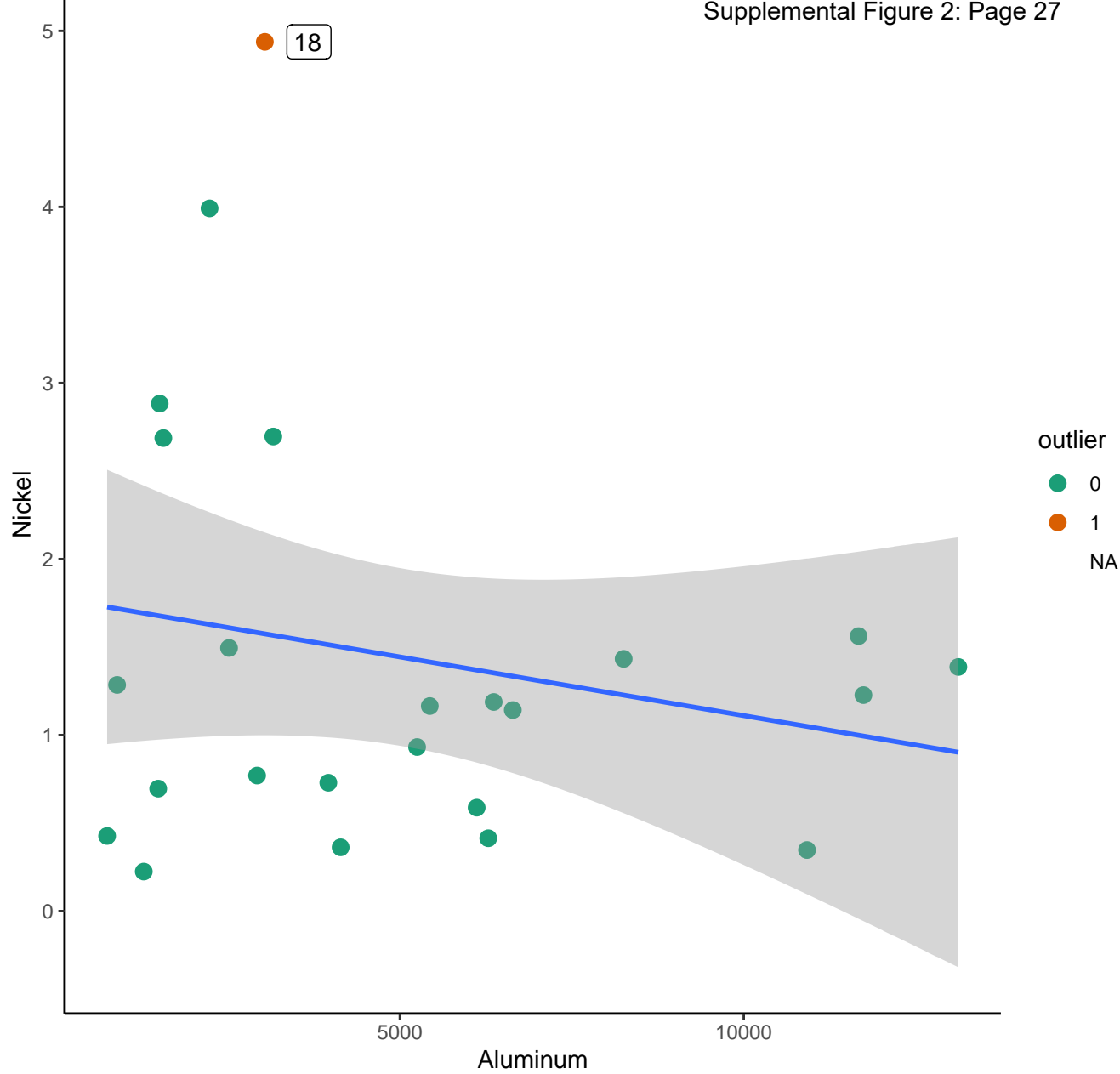




Cooks Outlier Plot for Nickel~Aluminum

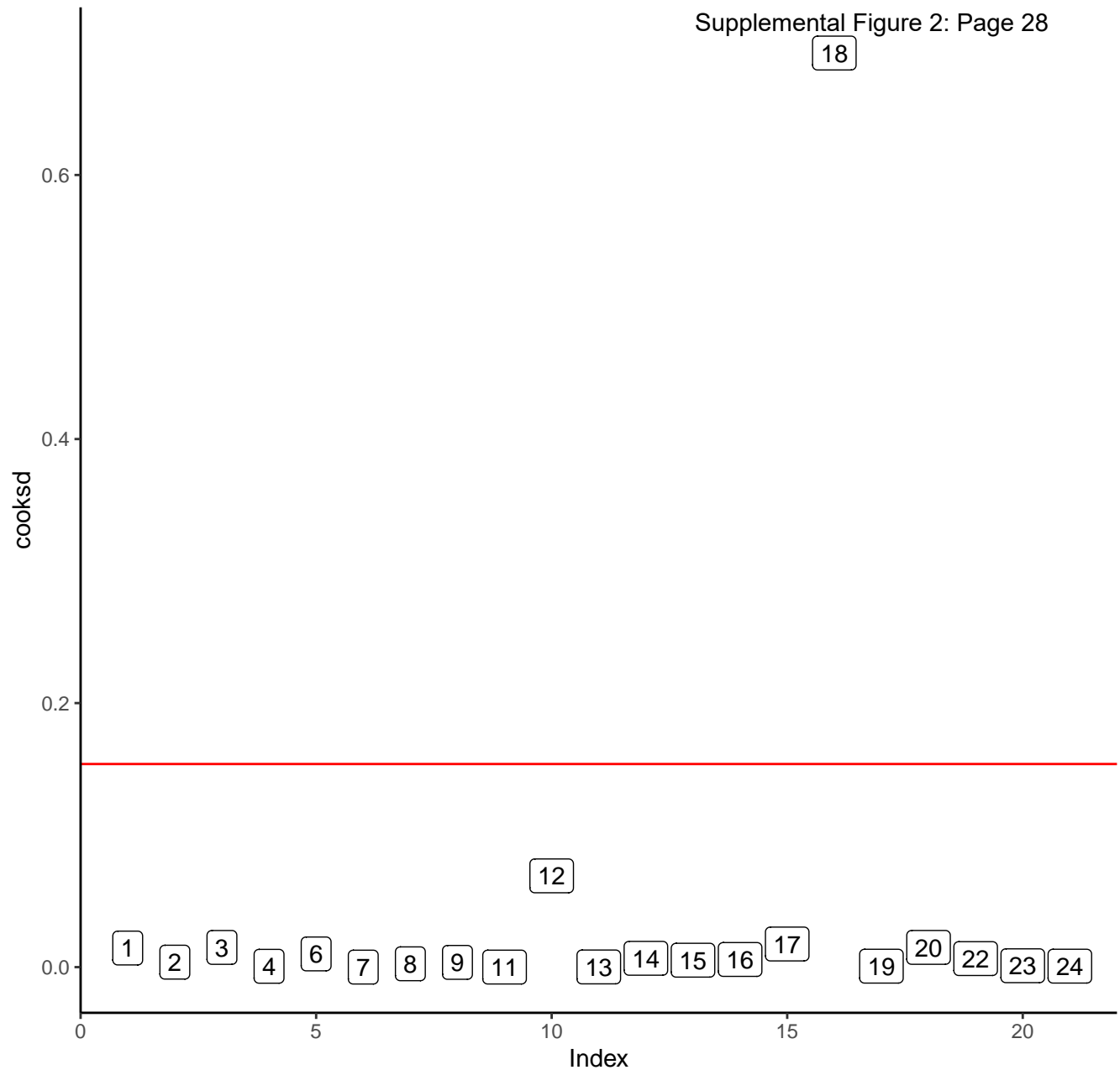
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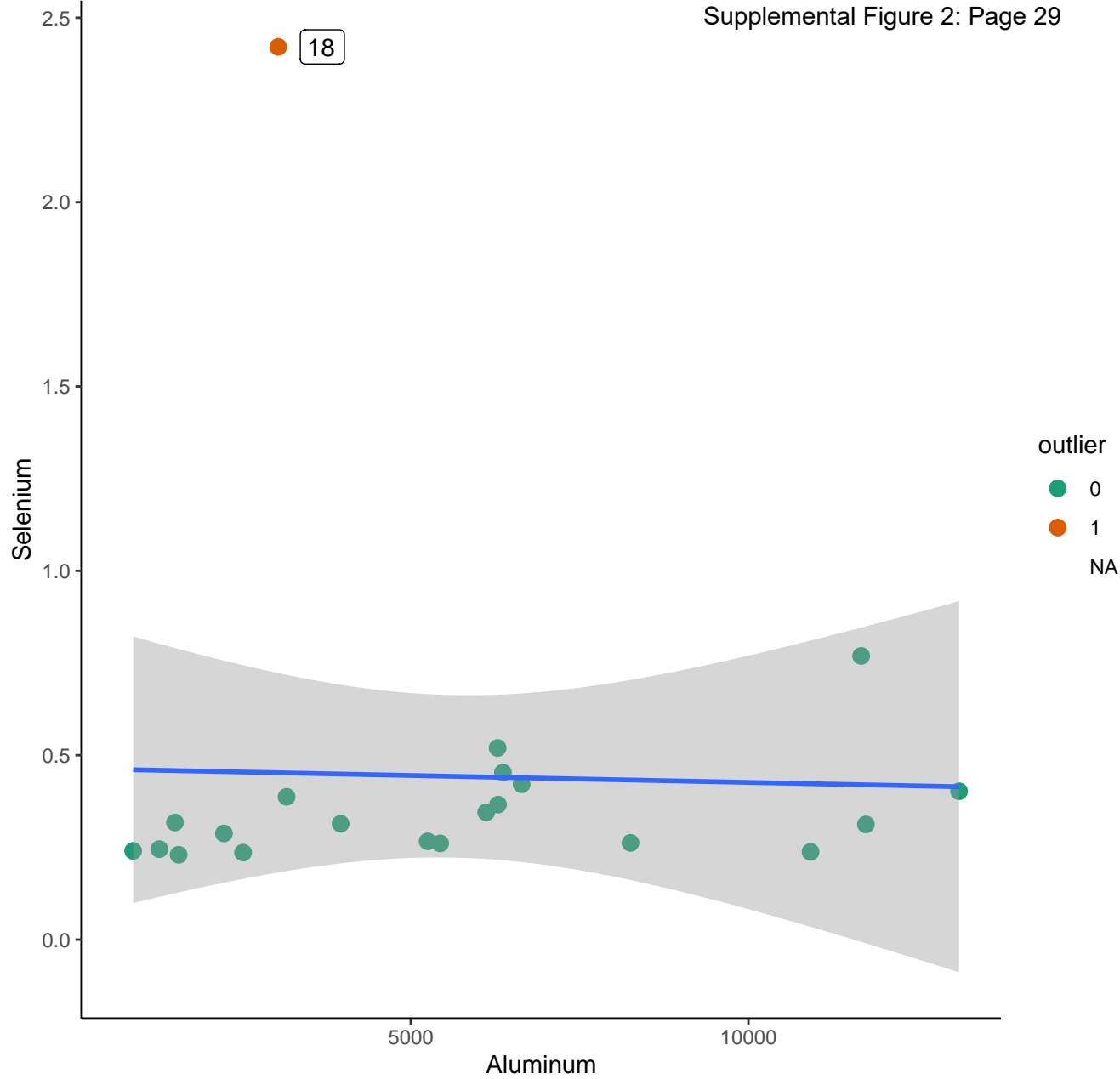
Cooks Outlier Plot for Selenium~Aluminum

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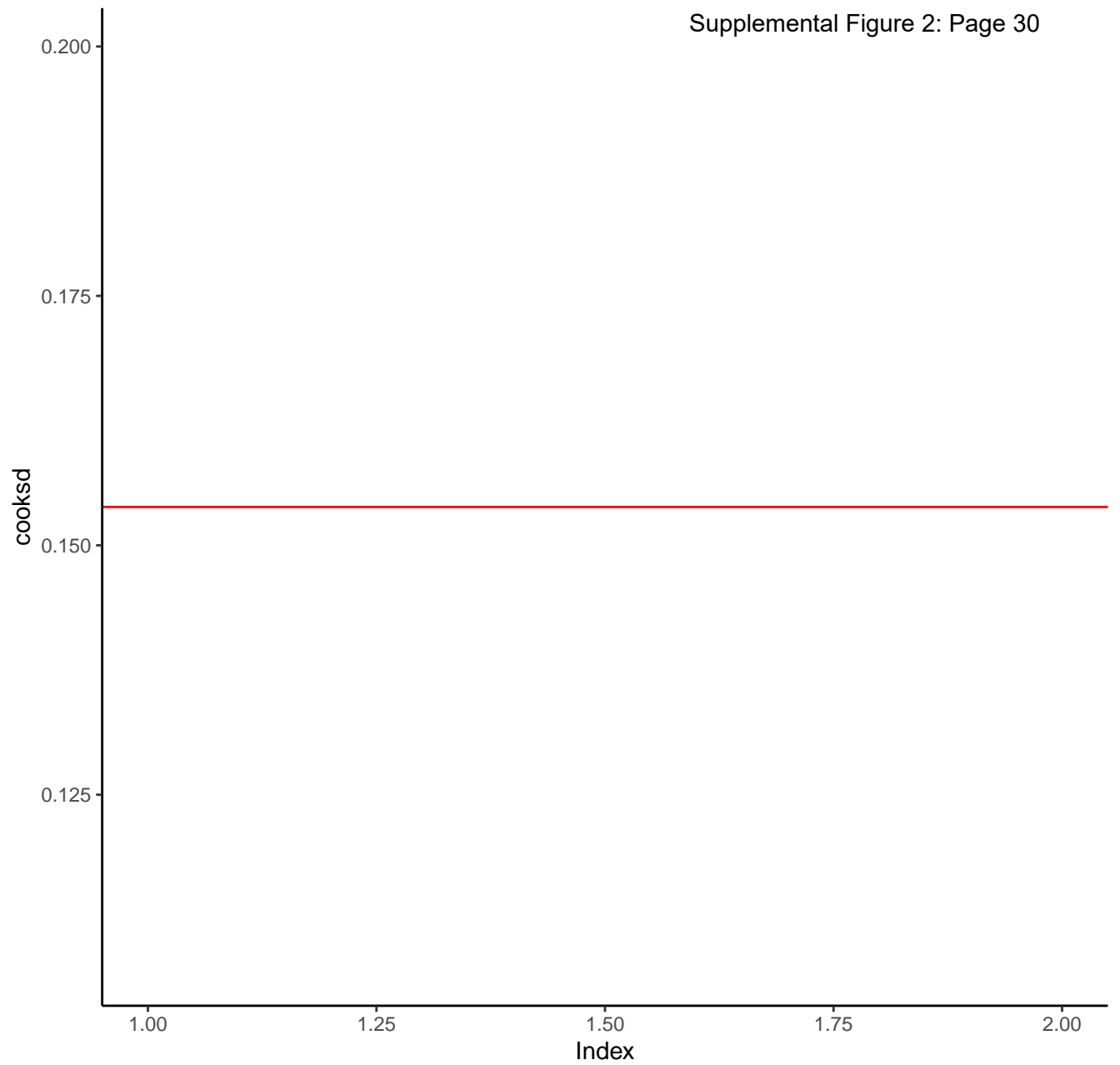
Plot for Selenium~Aluminum

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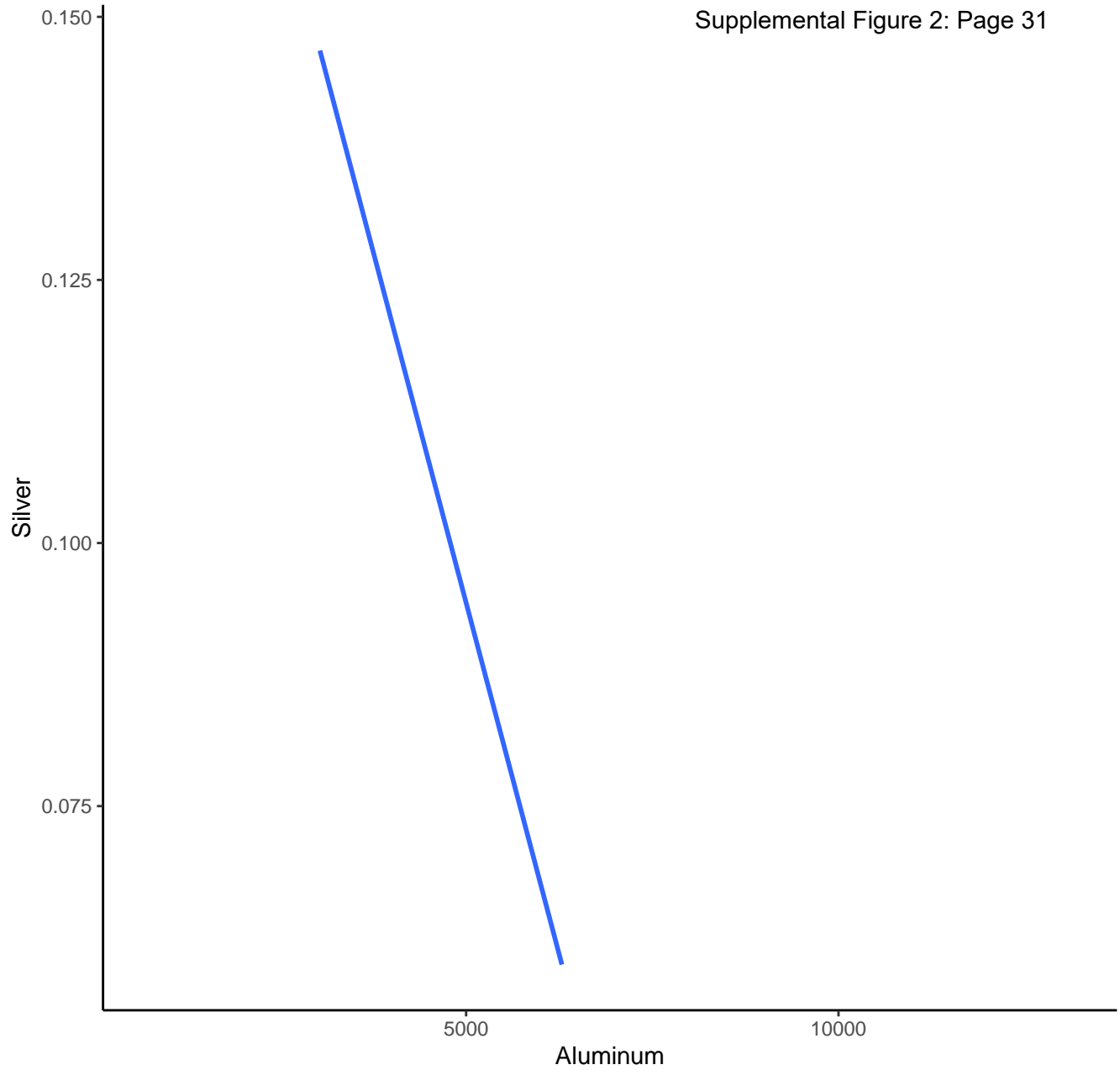
Cooks Outlier Plot for Silver~Aluminum

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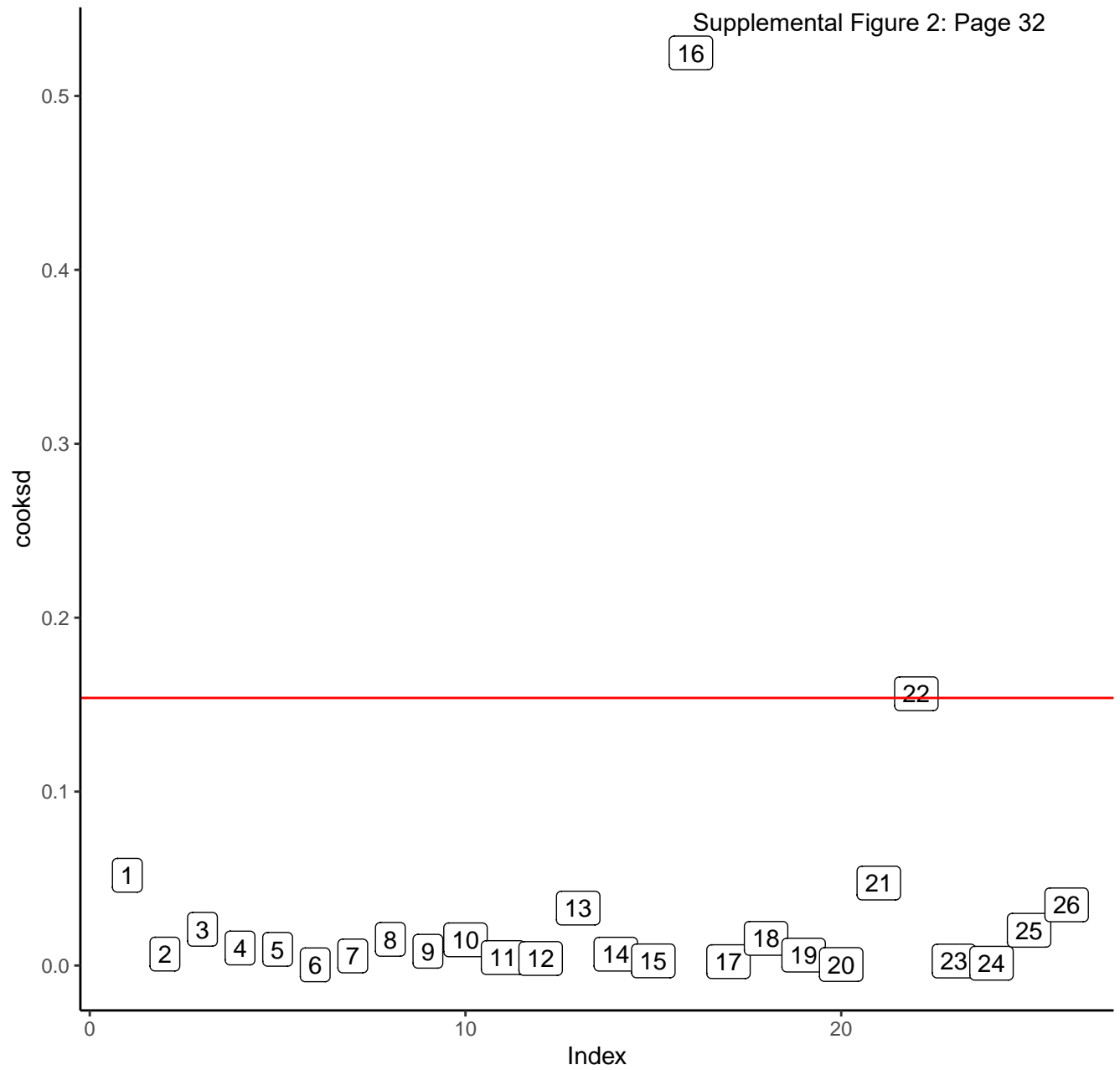
Plot for Silver~Aluminum

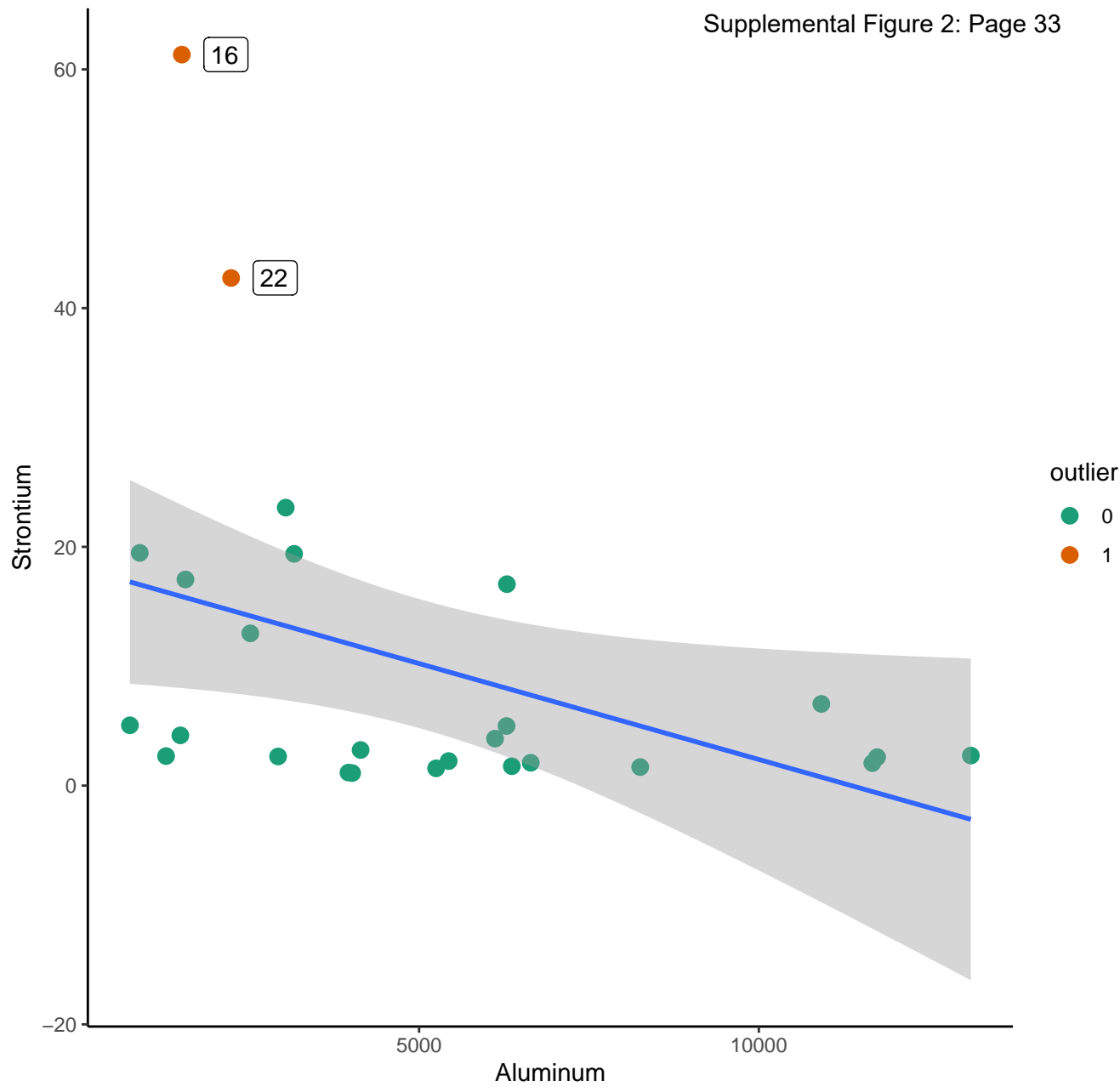
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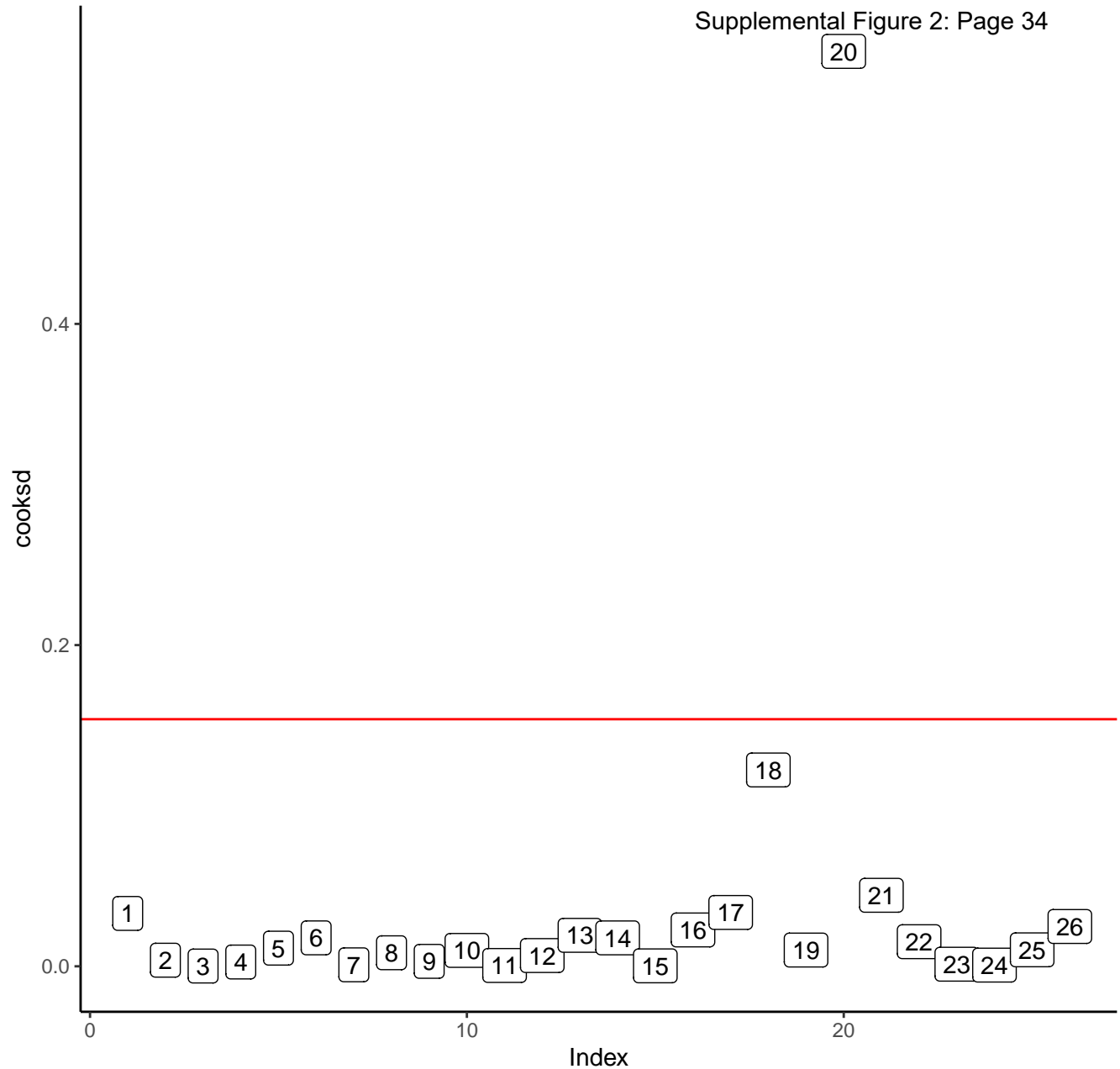
Cooks Outlier Plot for Strontium~Aluminum

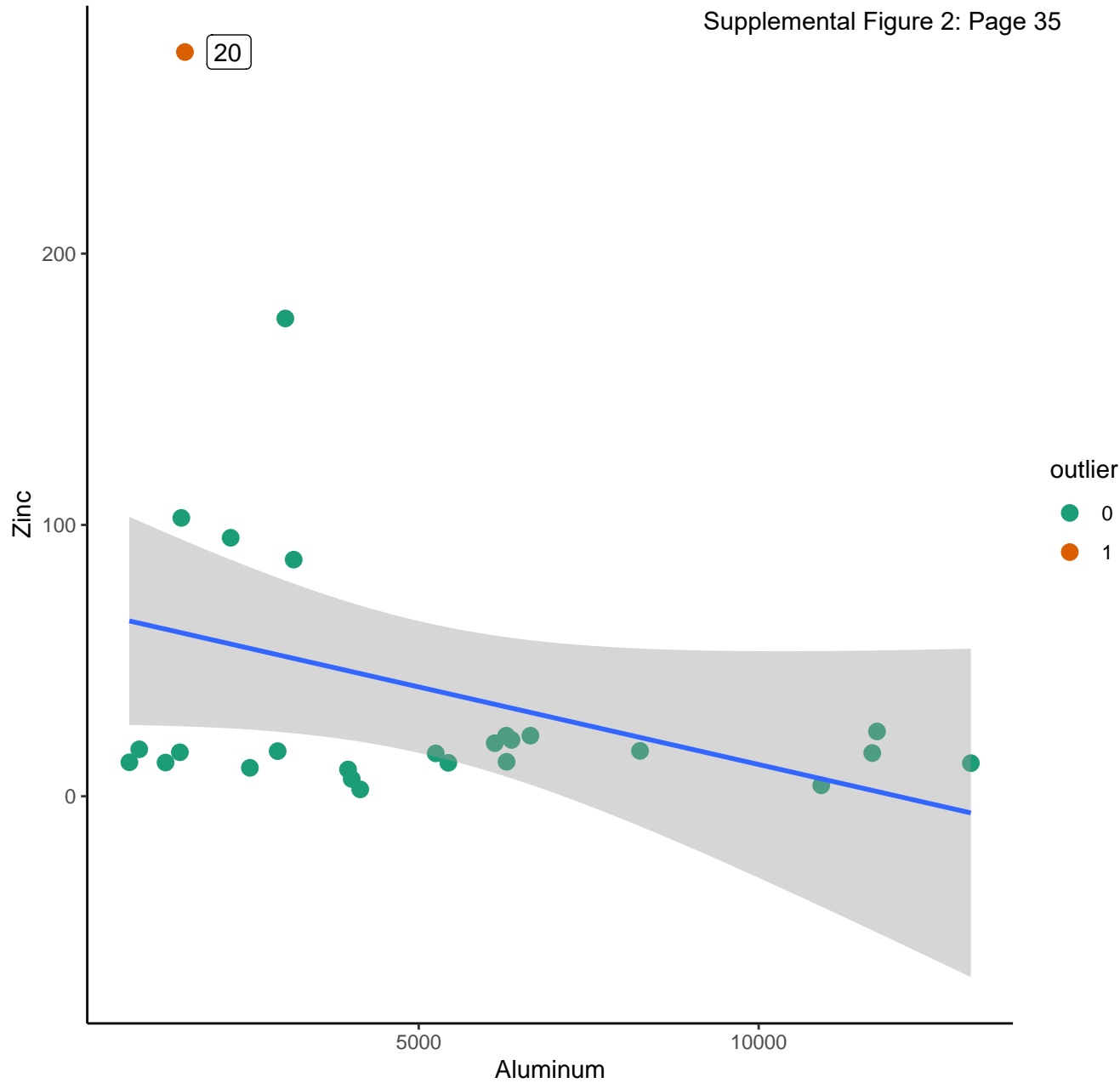
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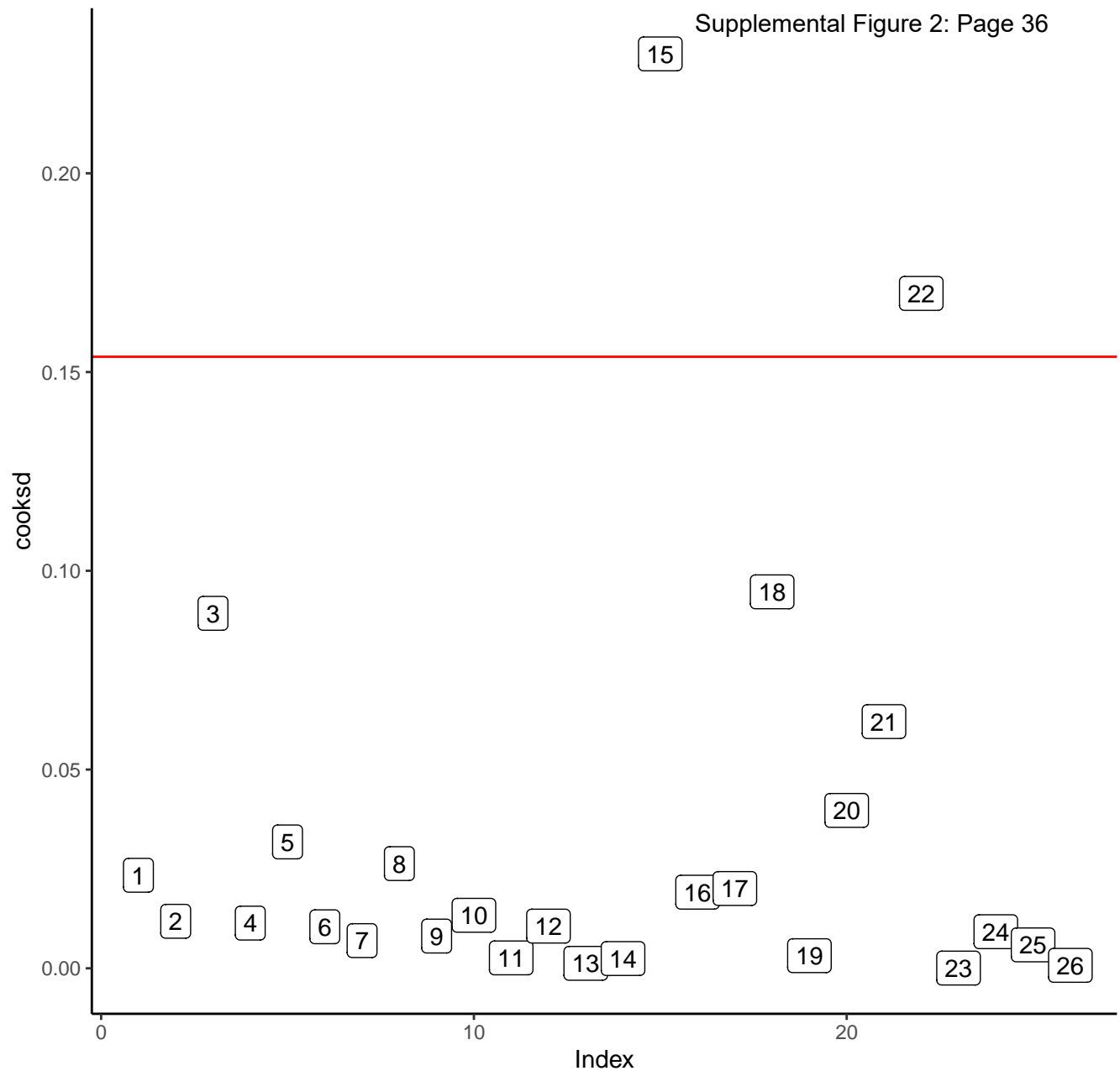


Cooks Outlier Plot for Zinc~Aluminum

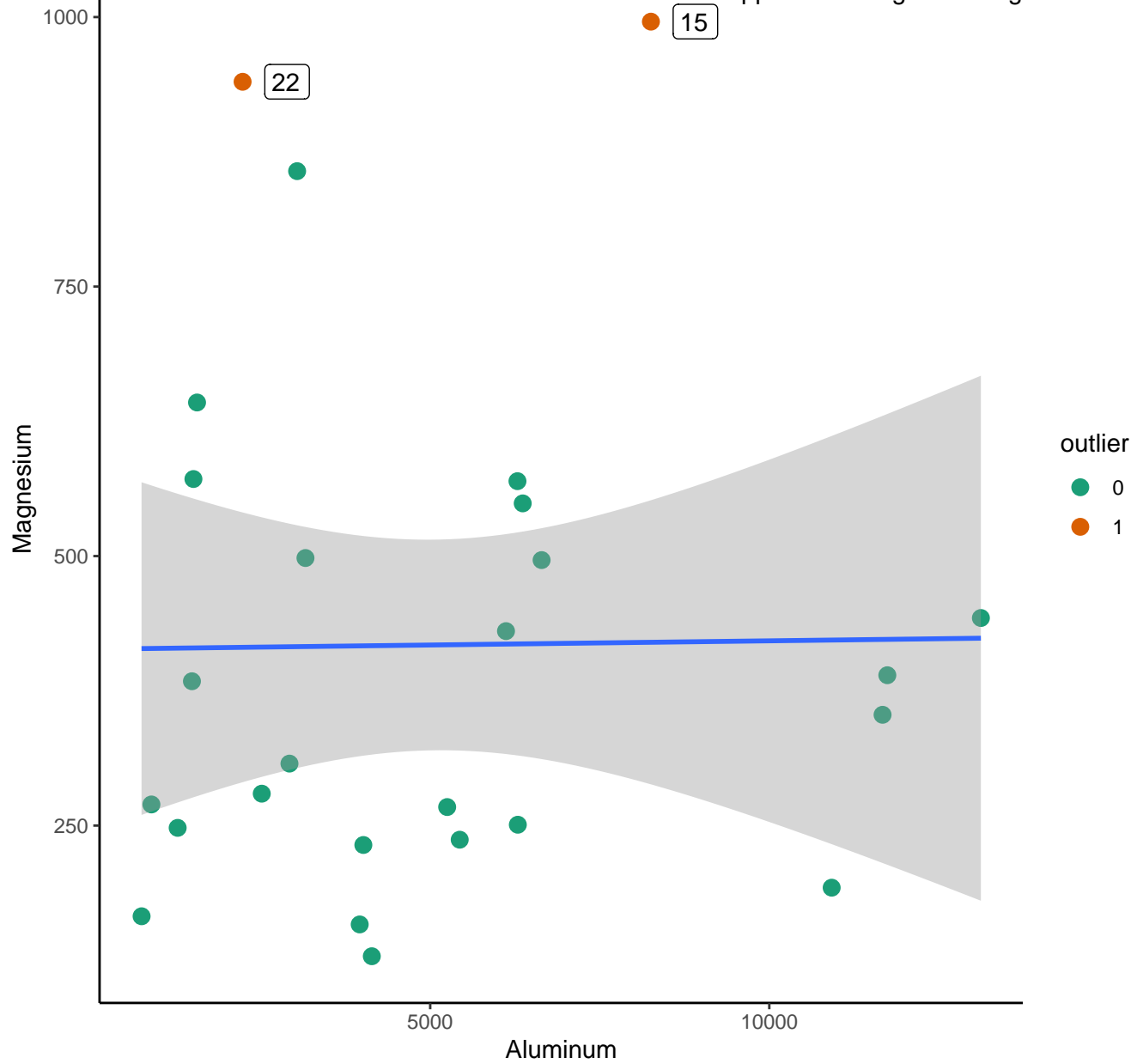




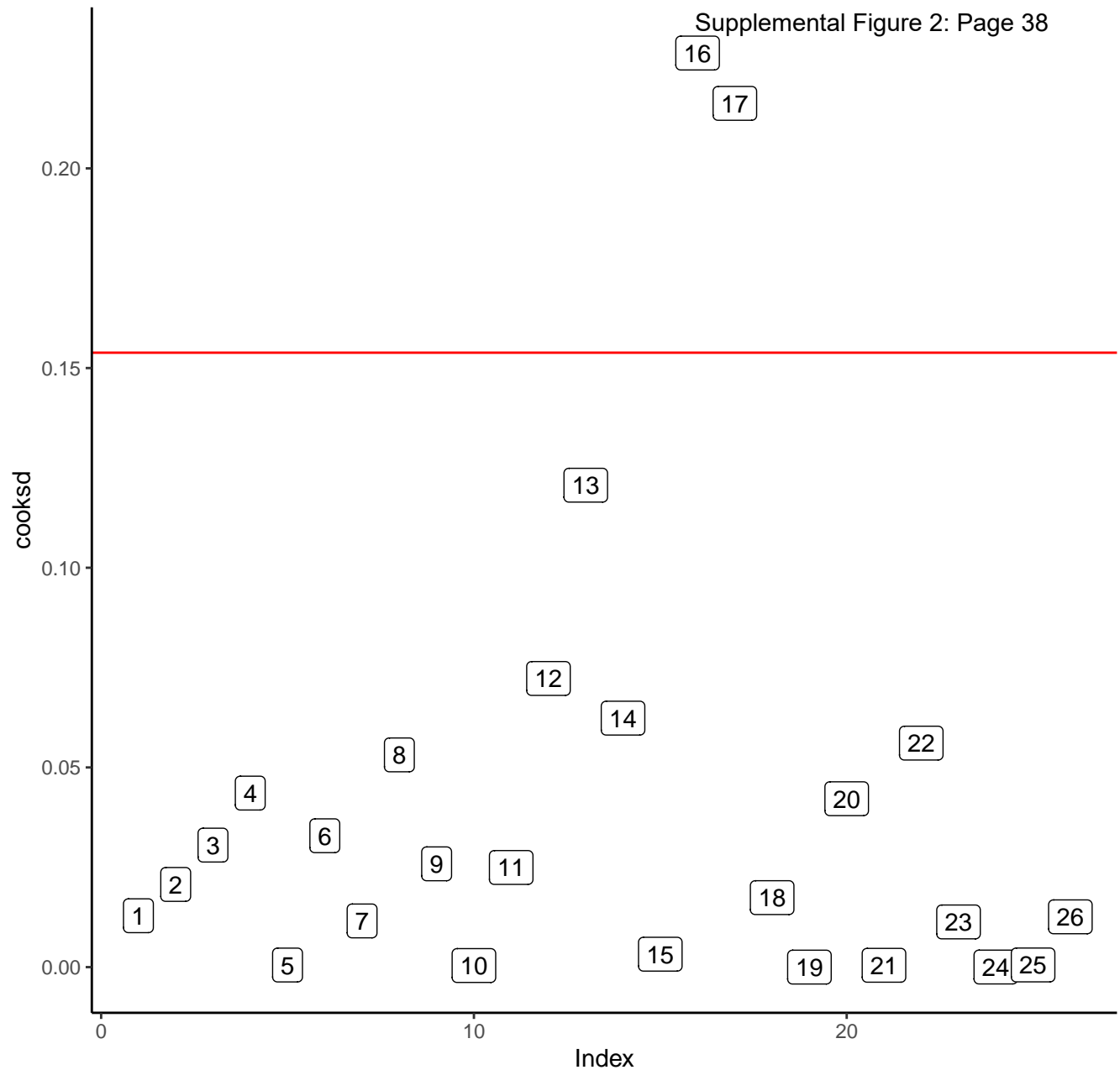
Cooks Outlier Plot for Magnesium~Aluminum



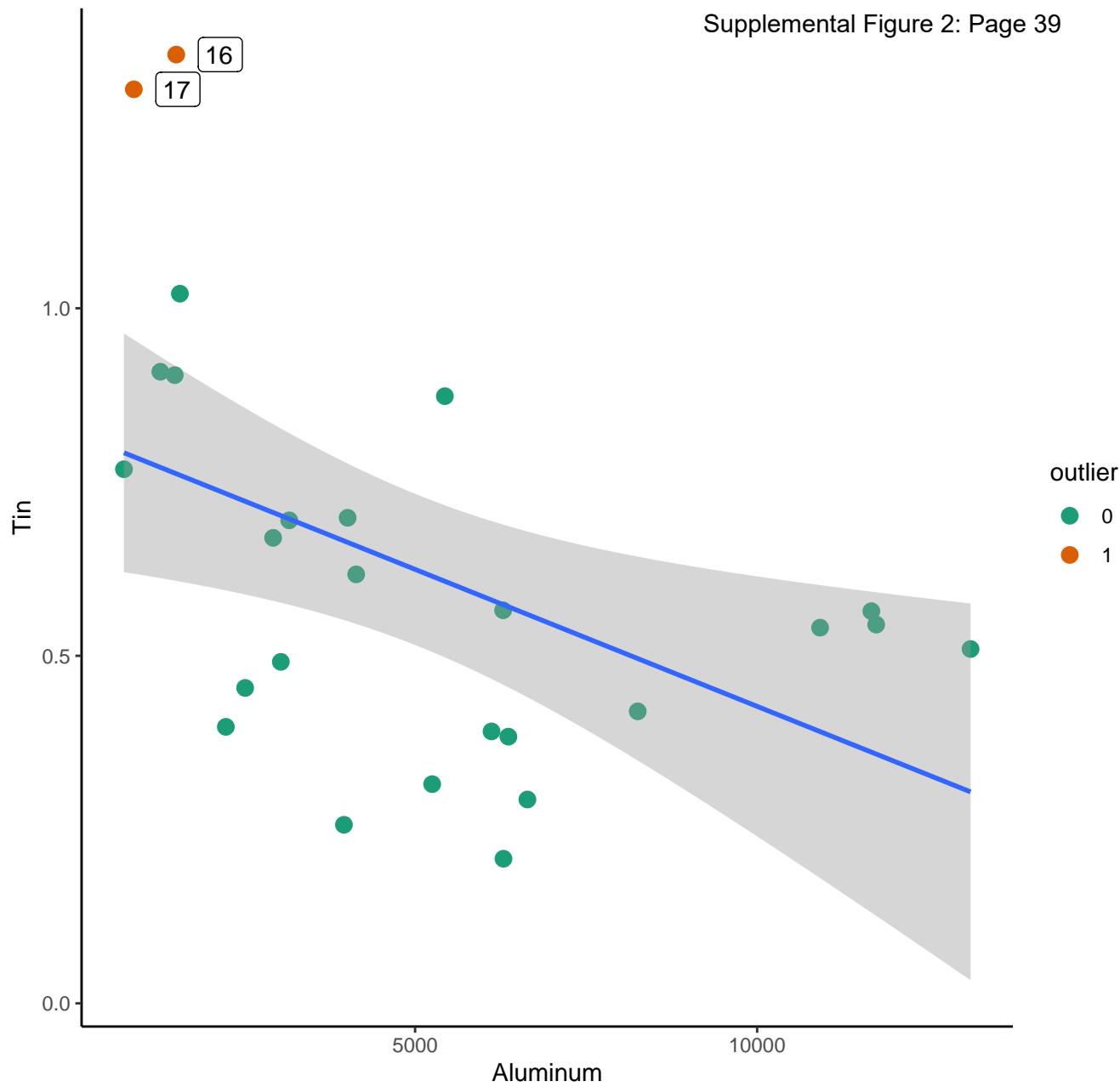
Plot for Magnesium~Aluminum



Cooks Outlier Plot for Tin~Aluminum

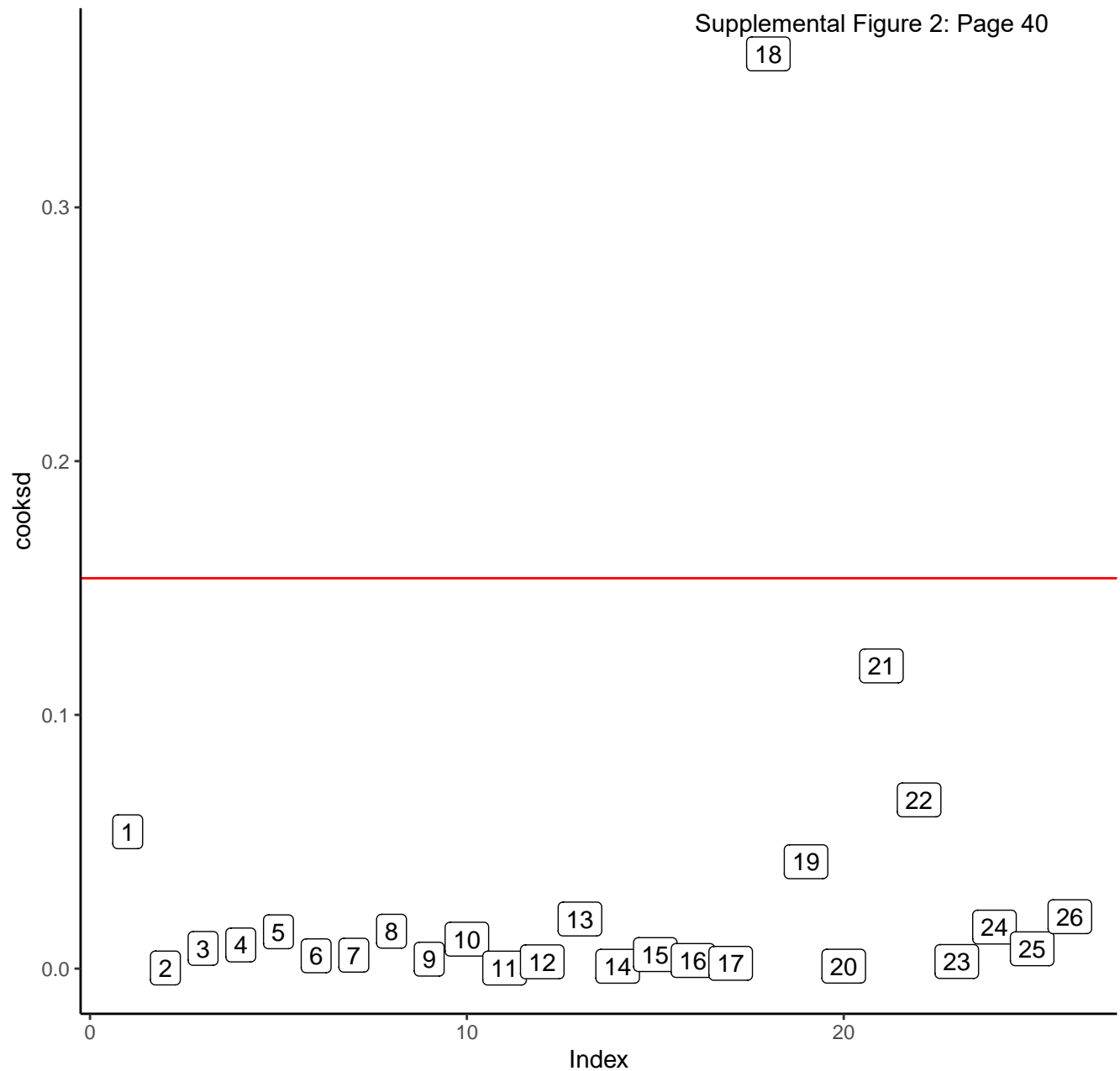


Plot for Tin~Aluminum



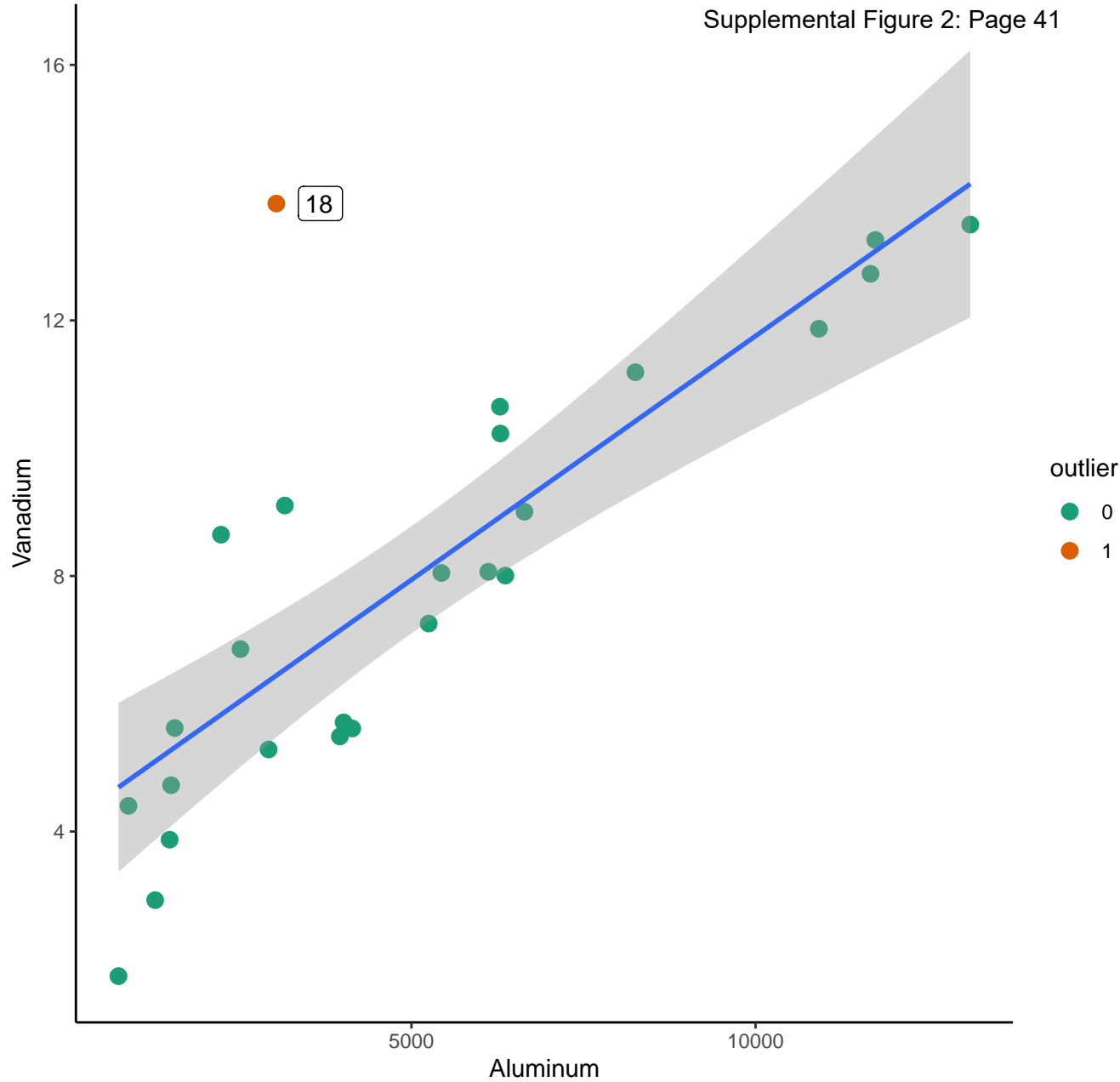
Cooks Outlier Plot for Vanadium~Aluminum

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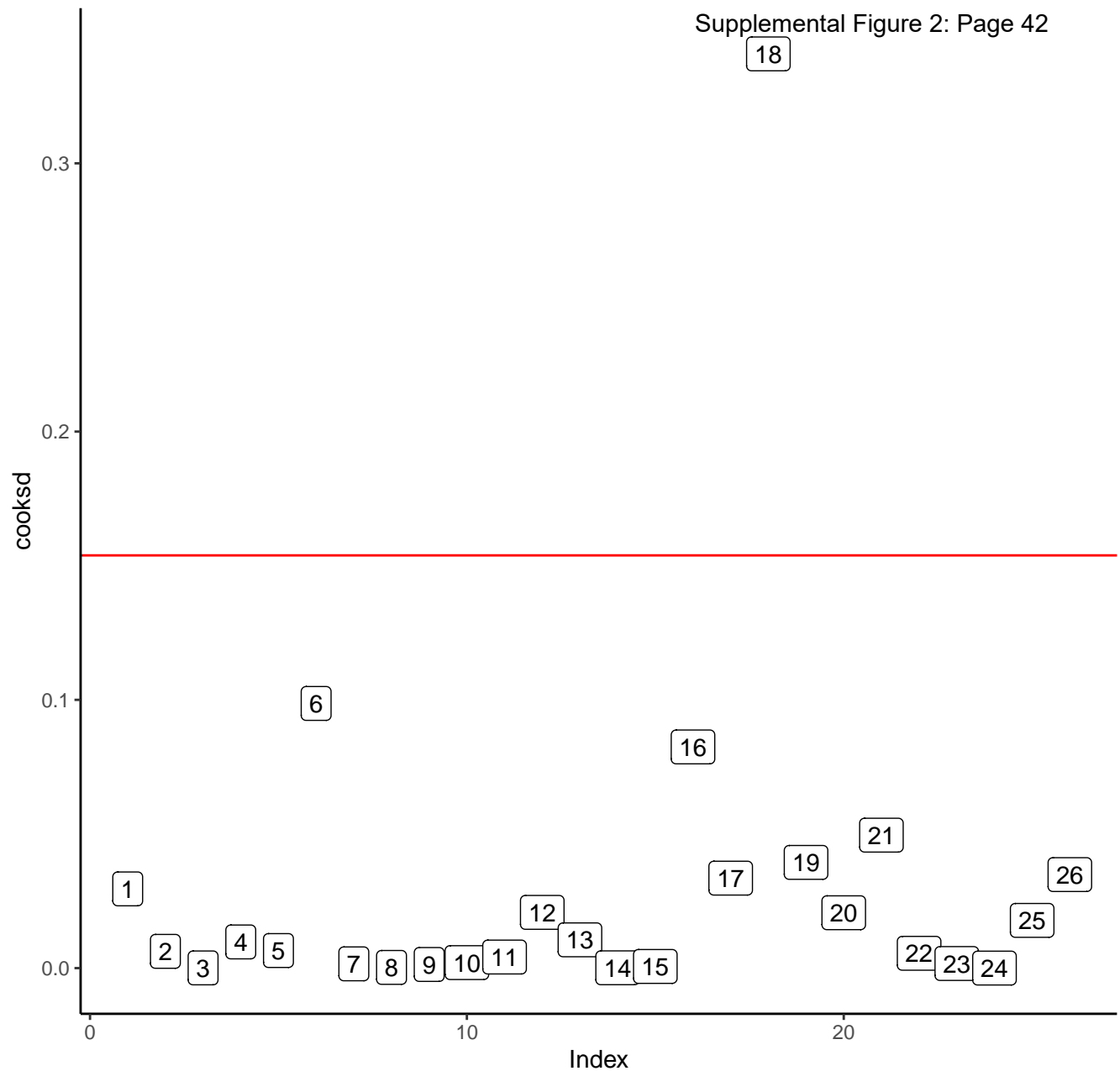
Plot for Vanadium~Aluminum

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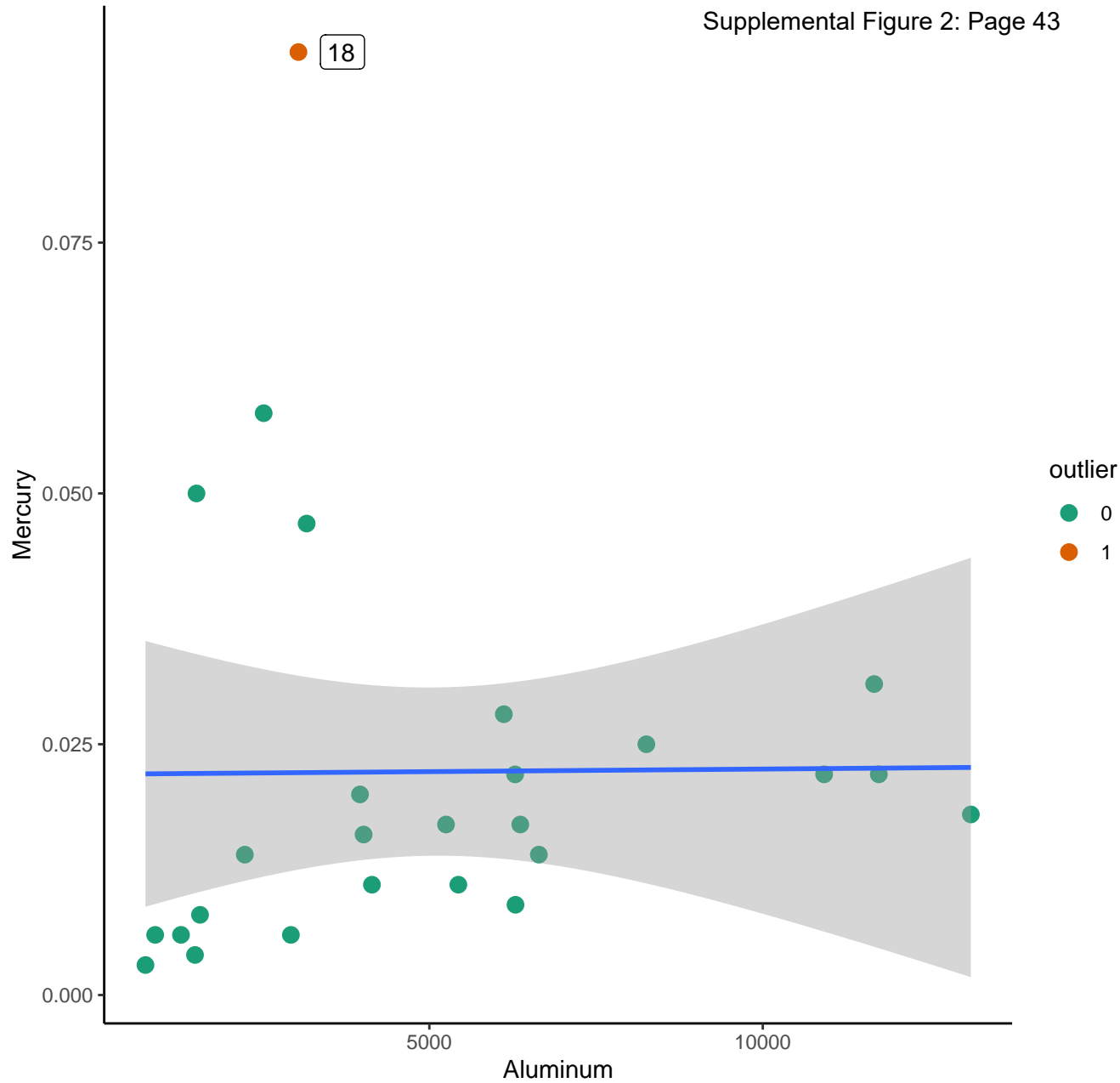
Cooks Outlier Plot for Mercury~Aluminum

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Plot for Mercury~Aluminum

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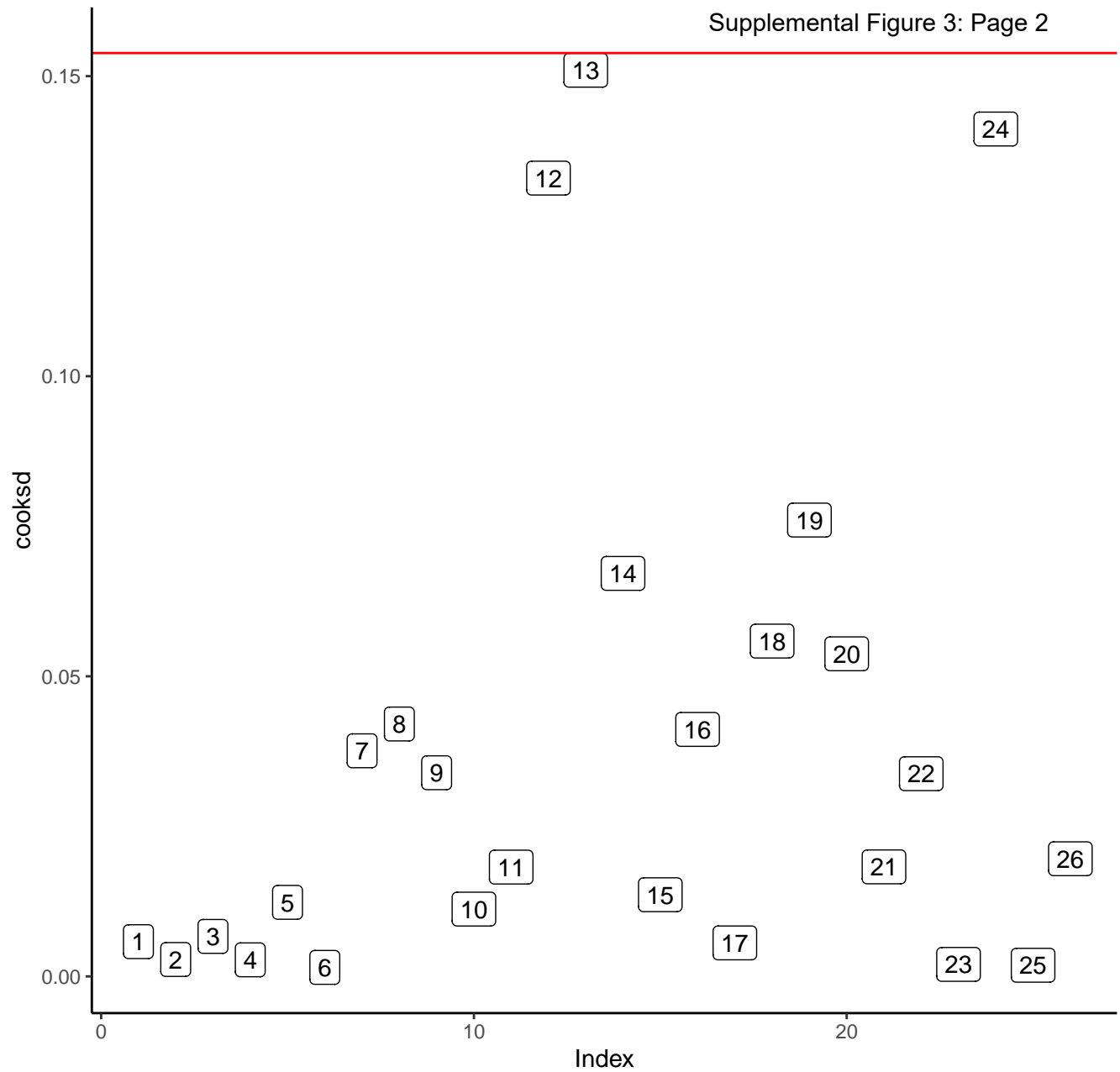
Supplemental Figure 3

Cook's Outlier Distance Plots: Metal~Iron

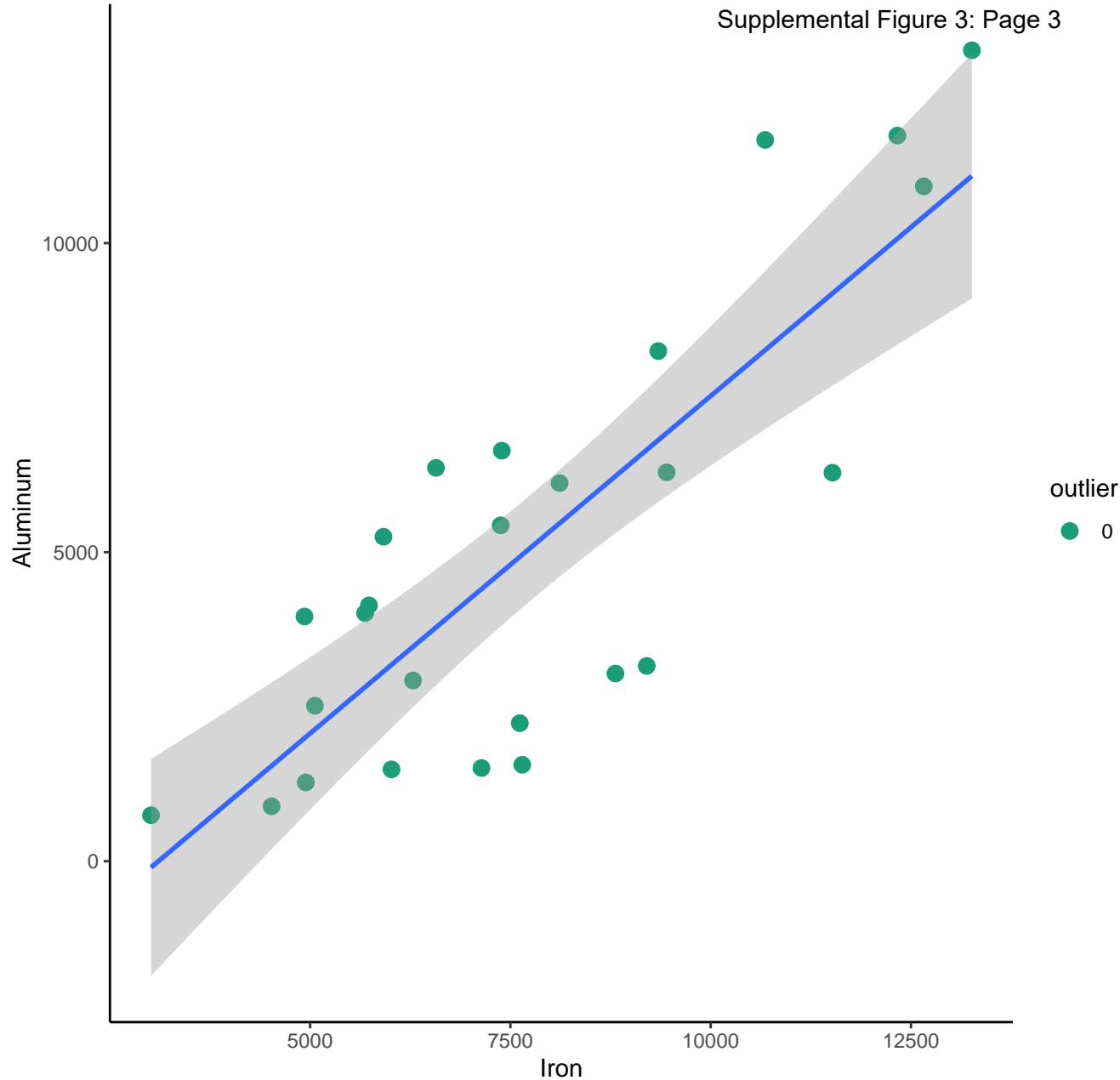
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Silver	29
Strontium.....	31
Zinc	33
Magnesium.....	35
Tin	37
Vanadium.....	39
Mercury	41

Cooks Outlier Plot for Aluminum~Iron

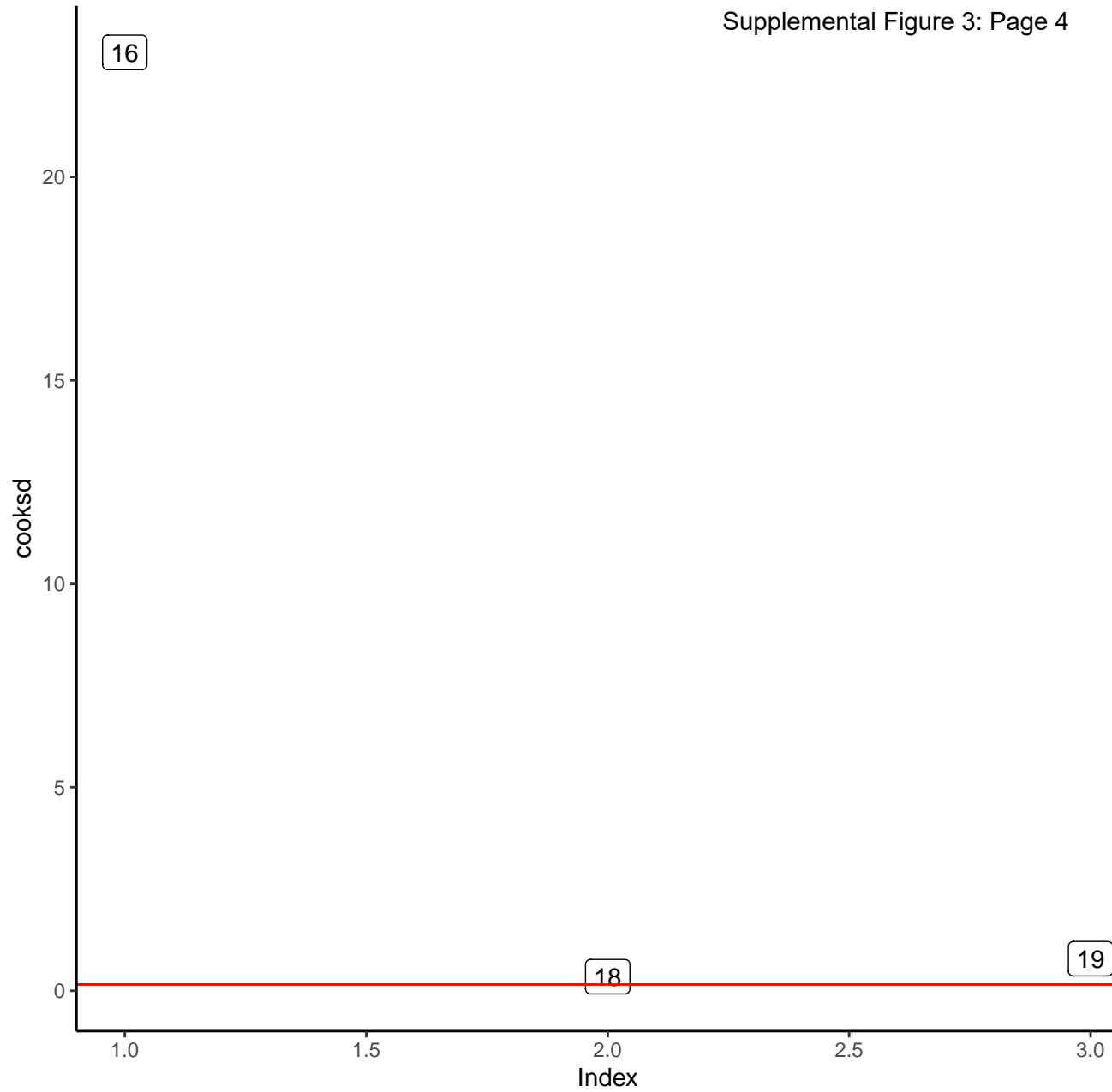


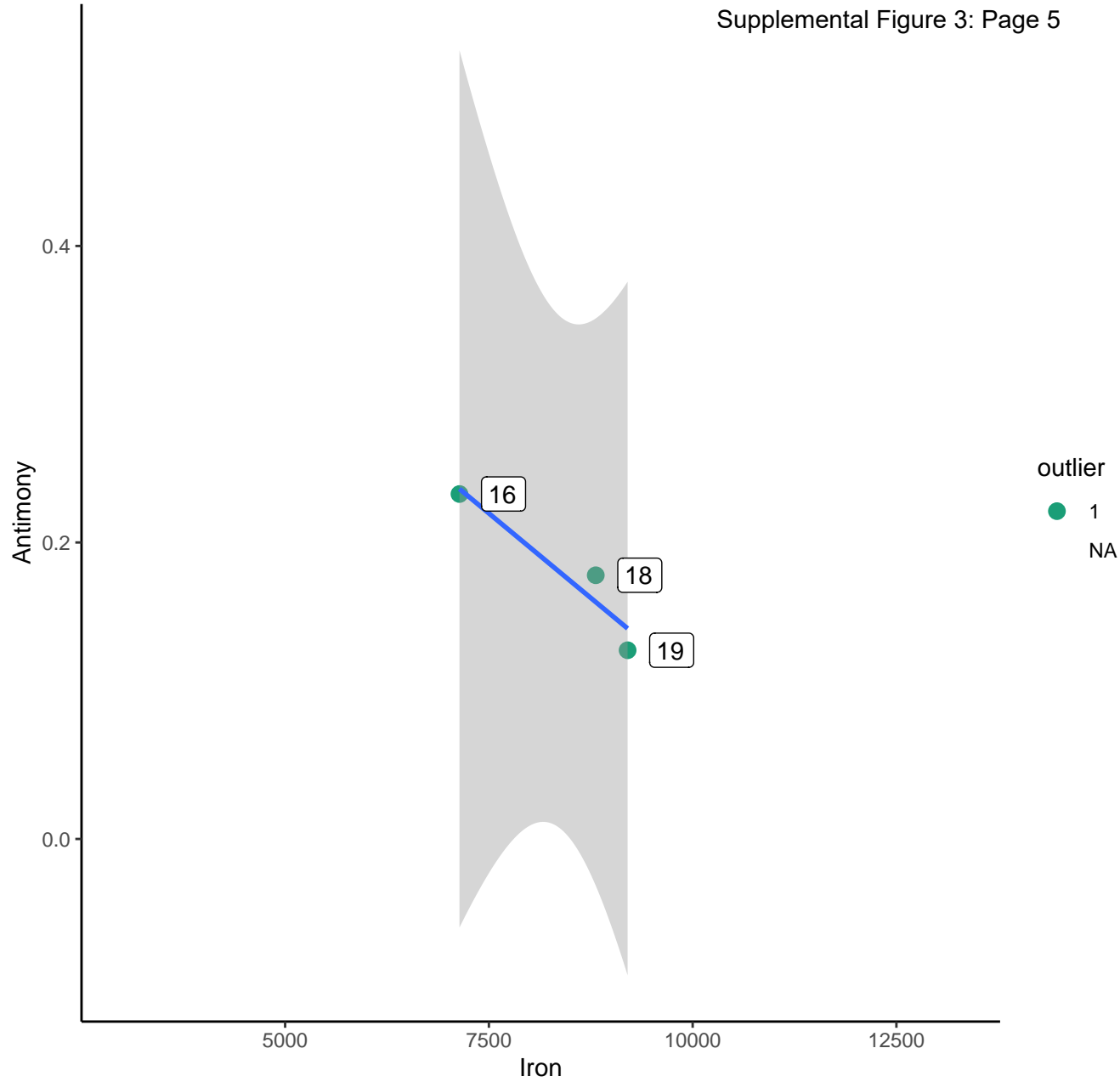
Plot for Aluminum~Iron



Cooks Outlier Plot for Antimony~Iron

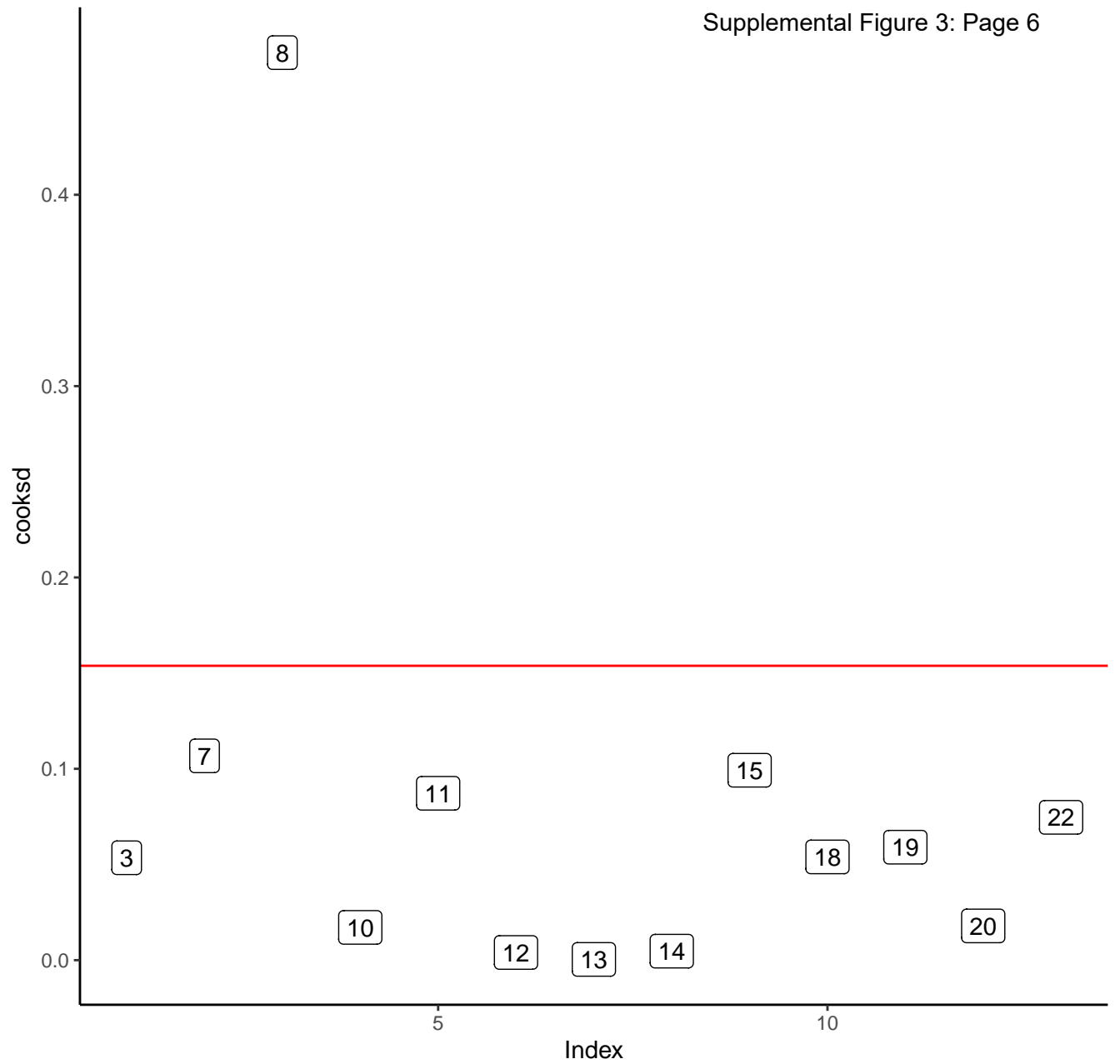
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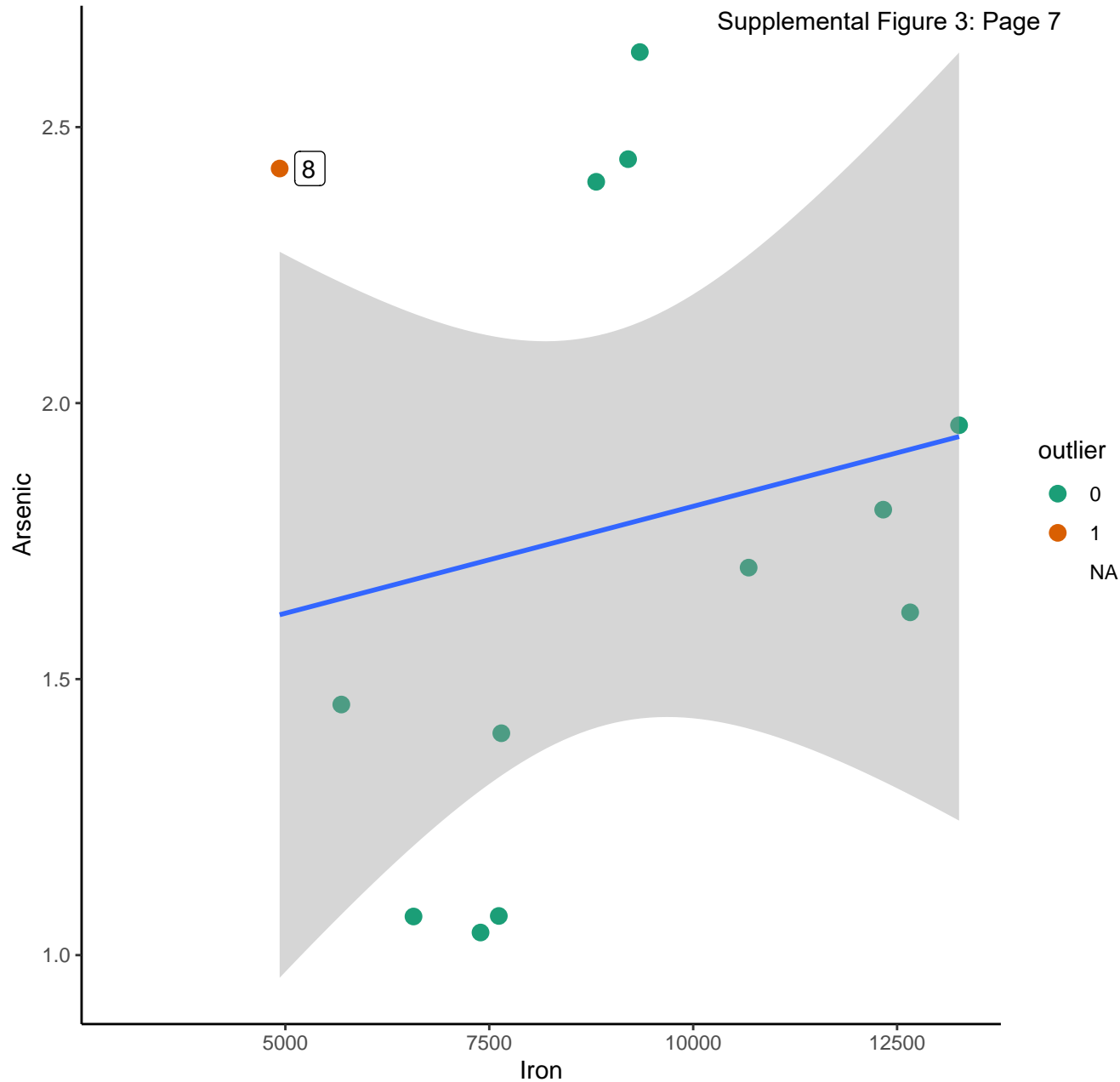




Cooks Outlier Plot for Arsenic~Iron

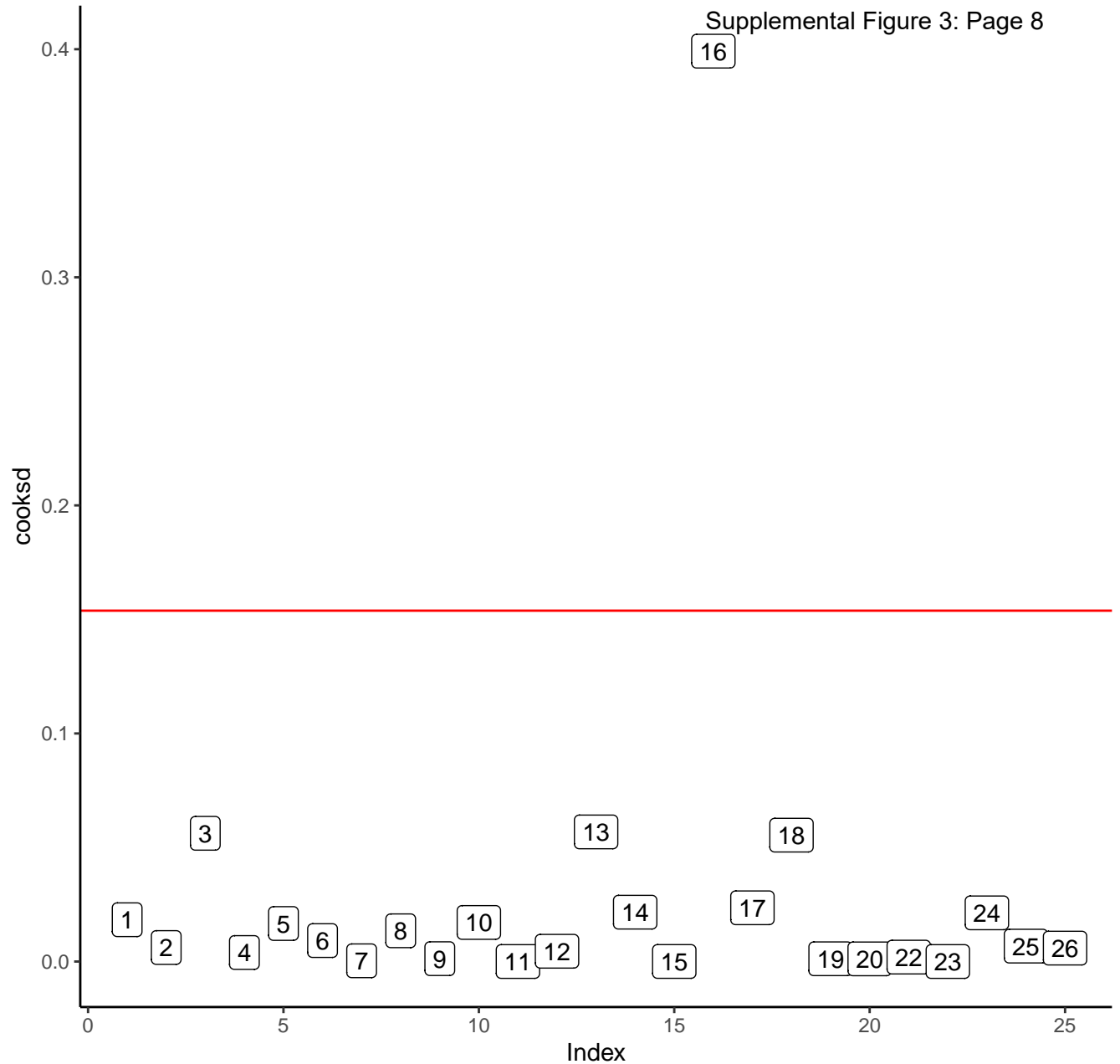
Supplemental Figure 3: Page 6

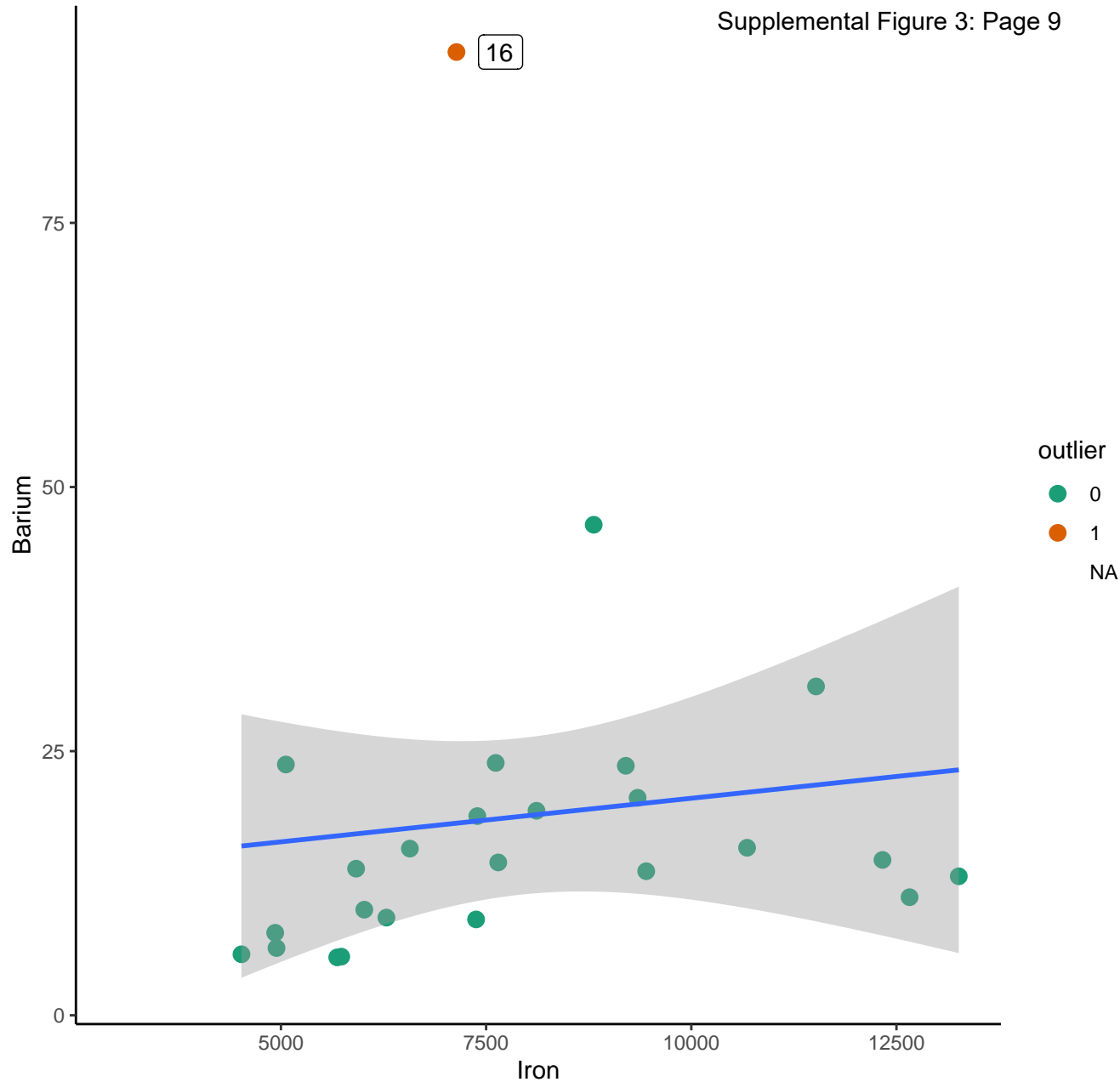




Cooks Outlier Plot for Barium~Iron

Supplemental Figure 3: Page 8

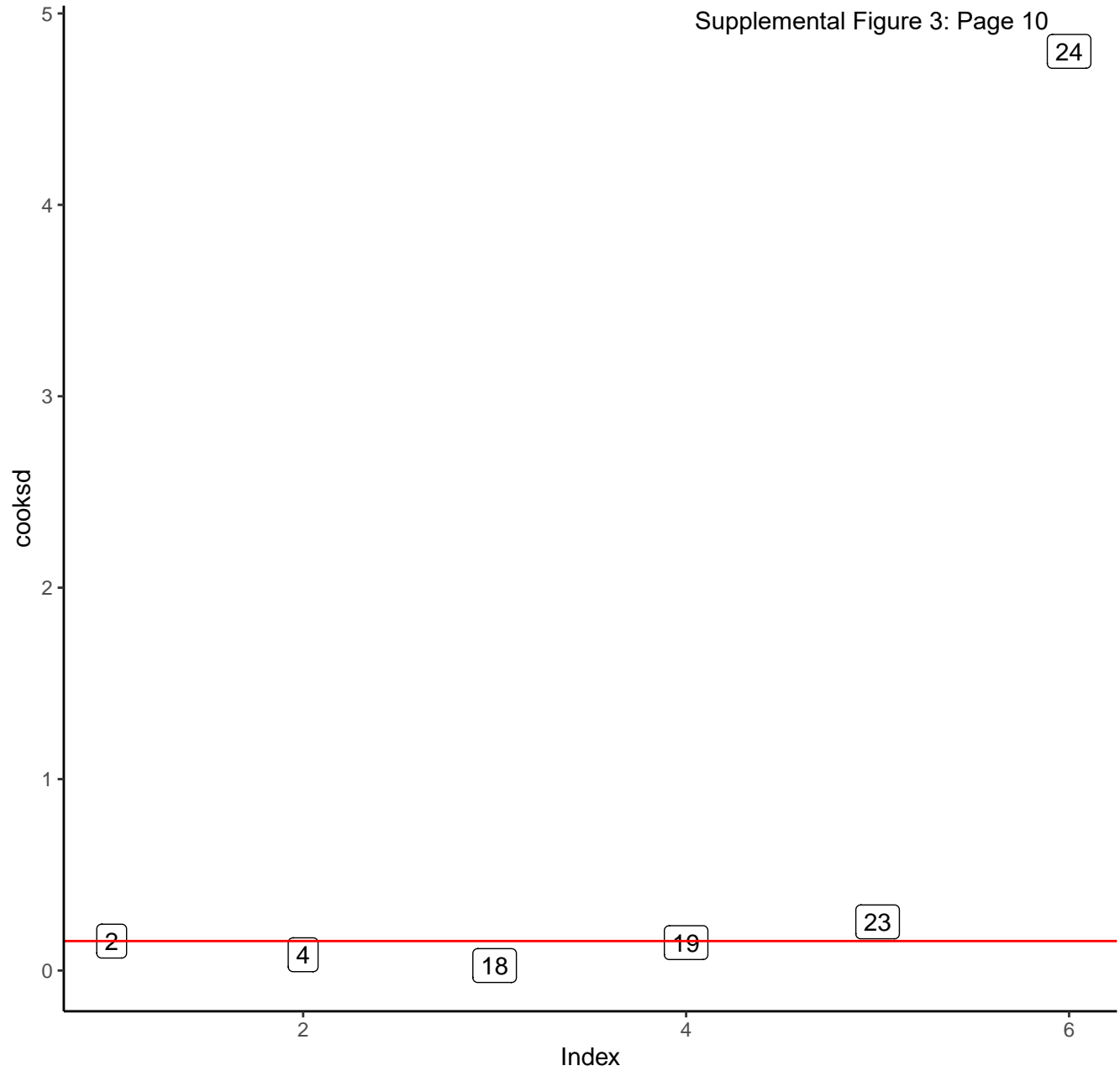




Cooks Outlier Plot for Beryllium~Iron

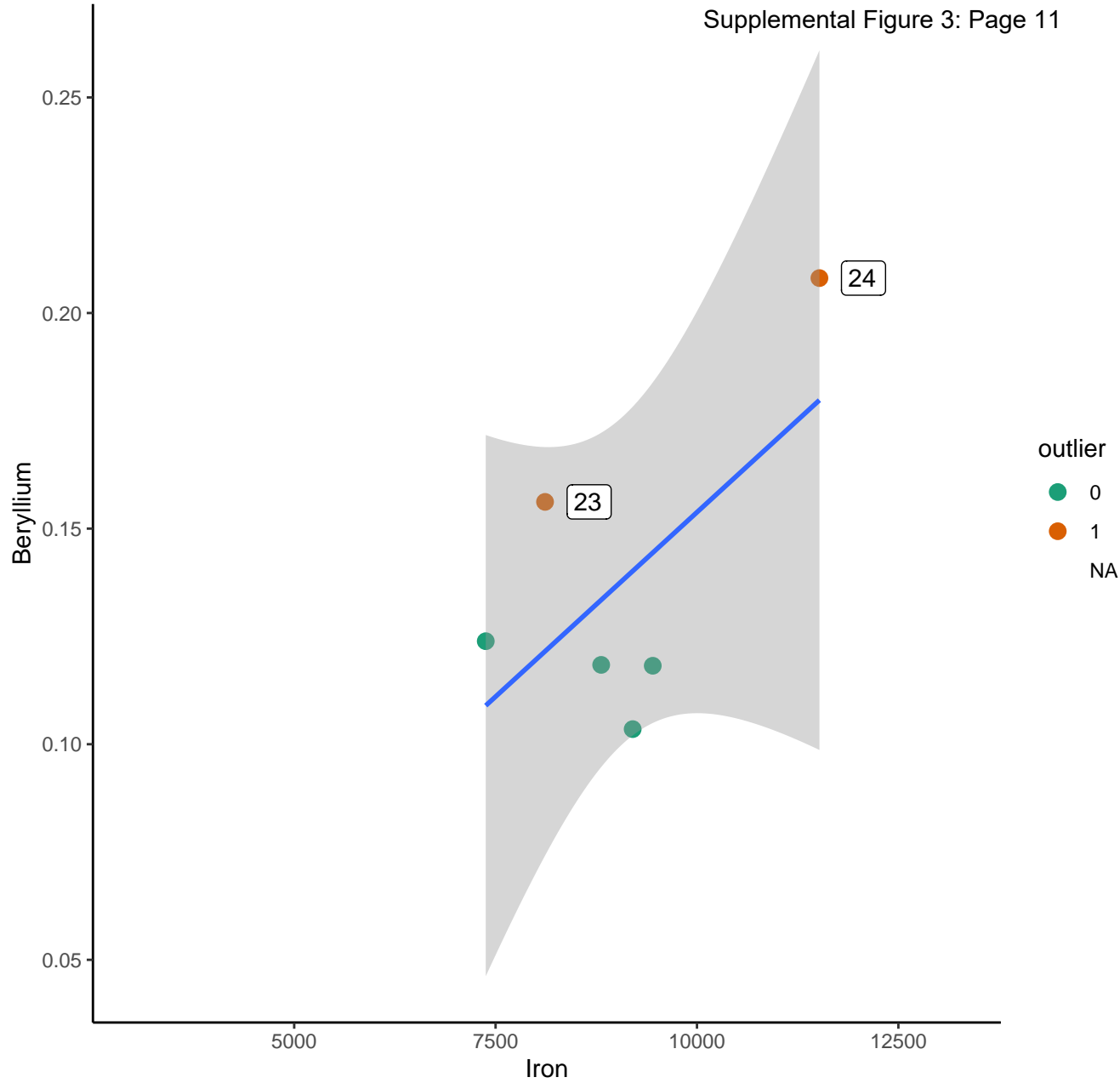
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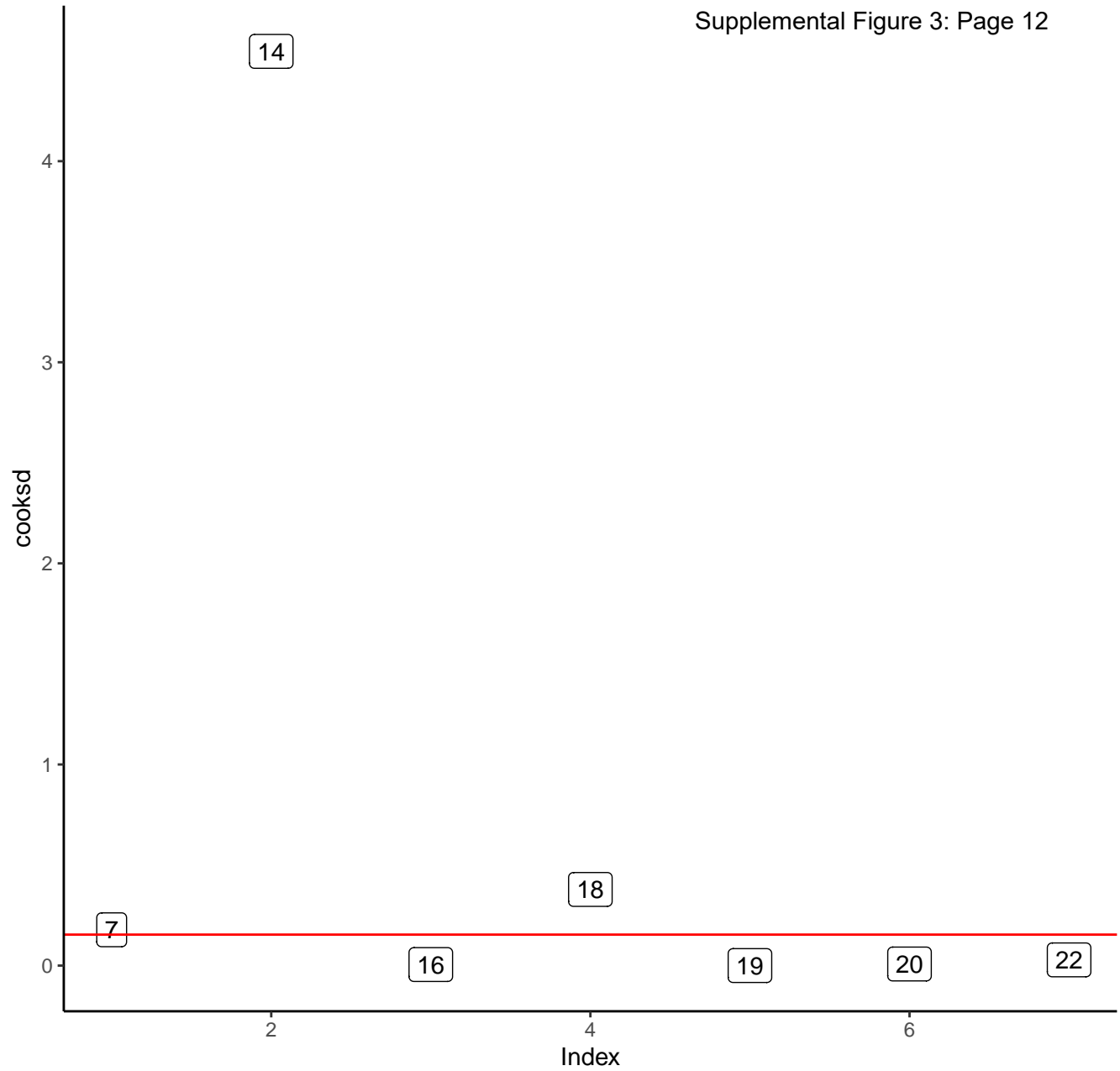
Plot for Beryllium~Iron

Supplemental Figure 3: Page 11

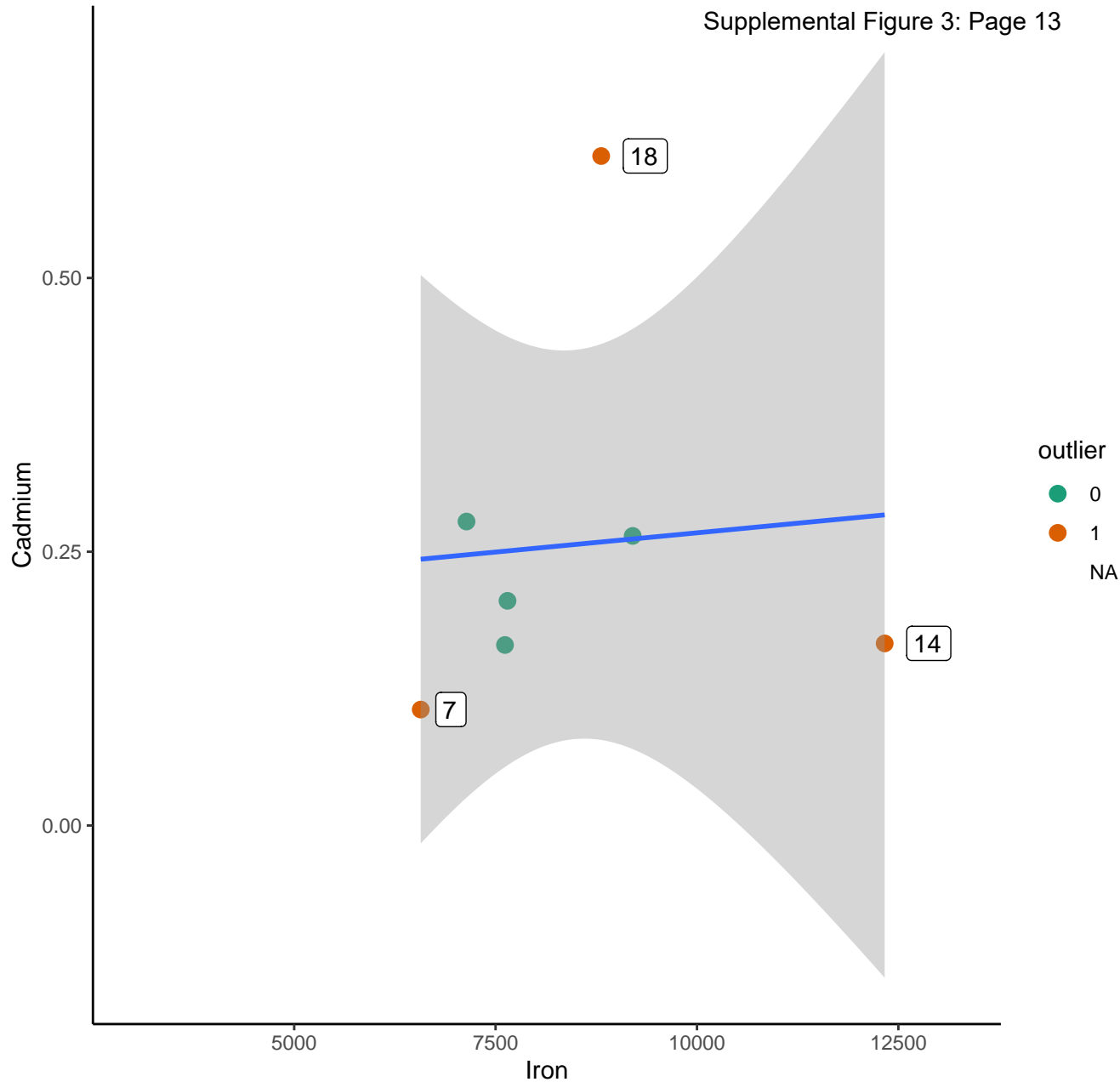


Cooks Outlier Plot for Cadmium~Iron

Supplemental Figure 3: Page 12

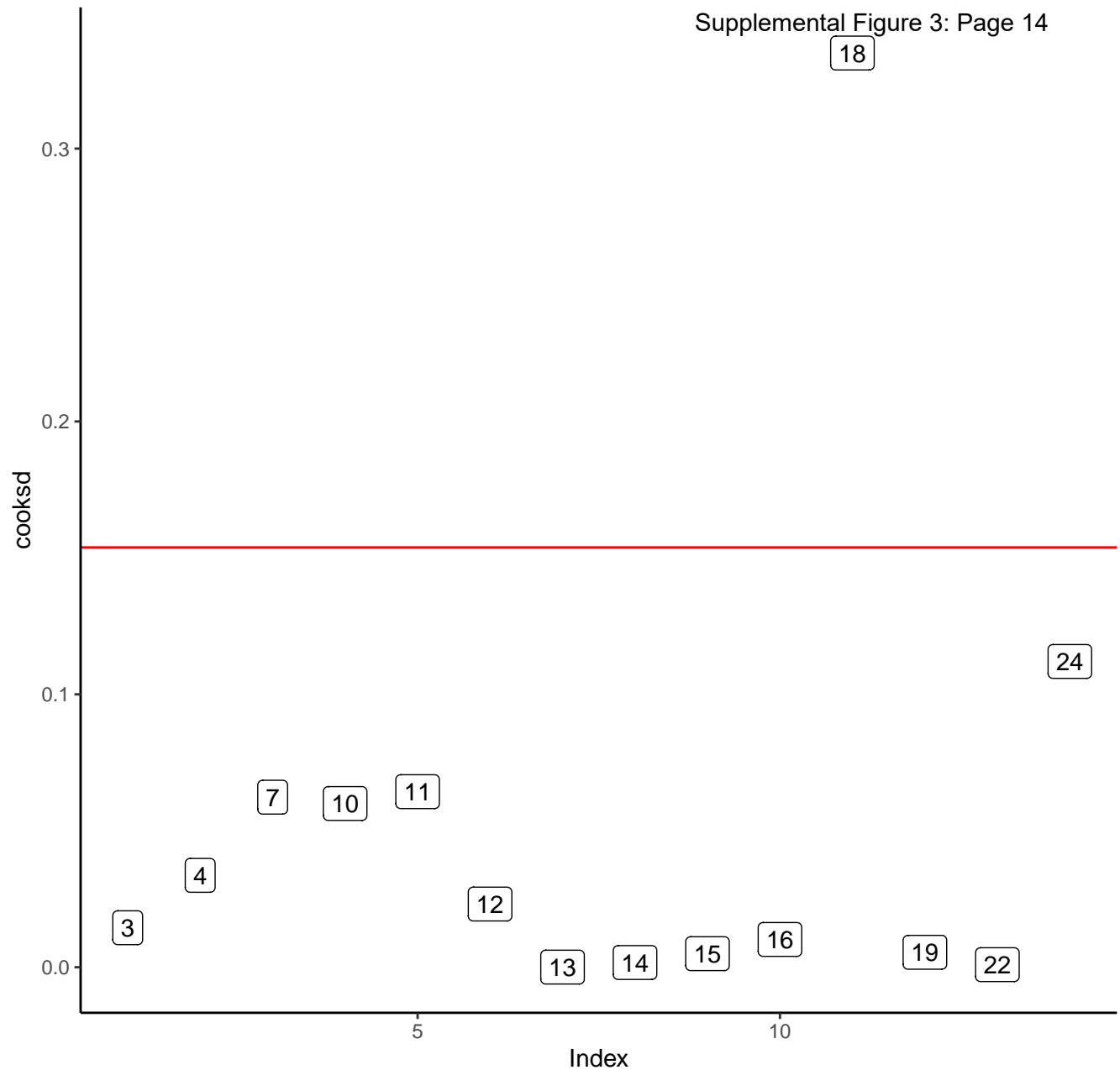


Plot for Cadmium~Iron



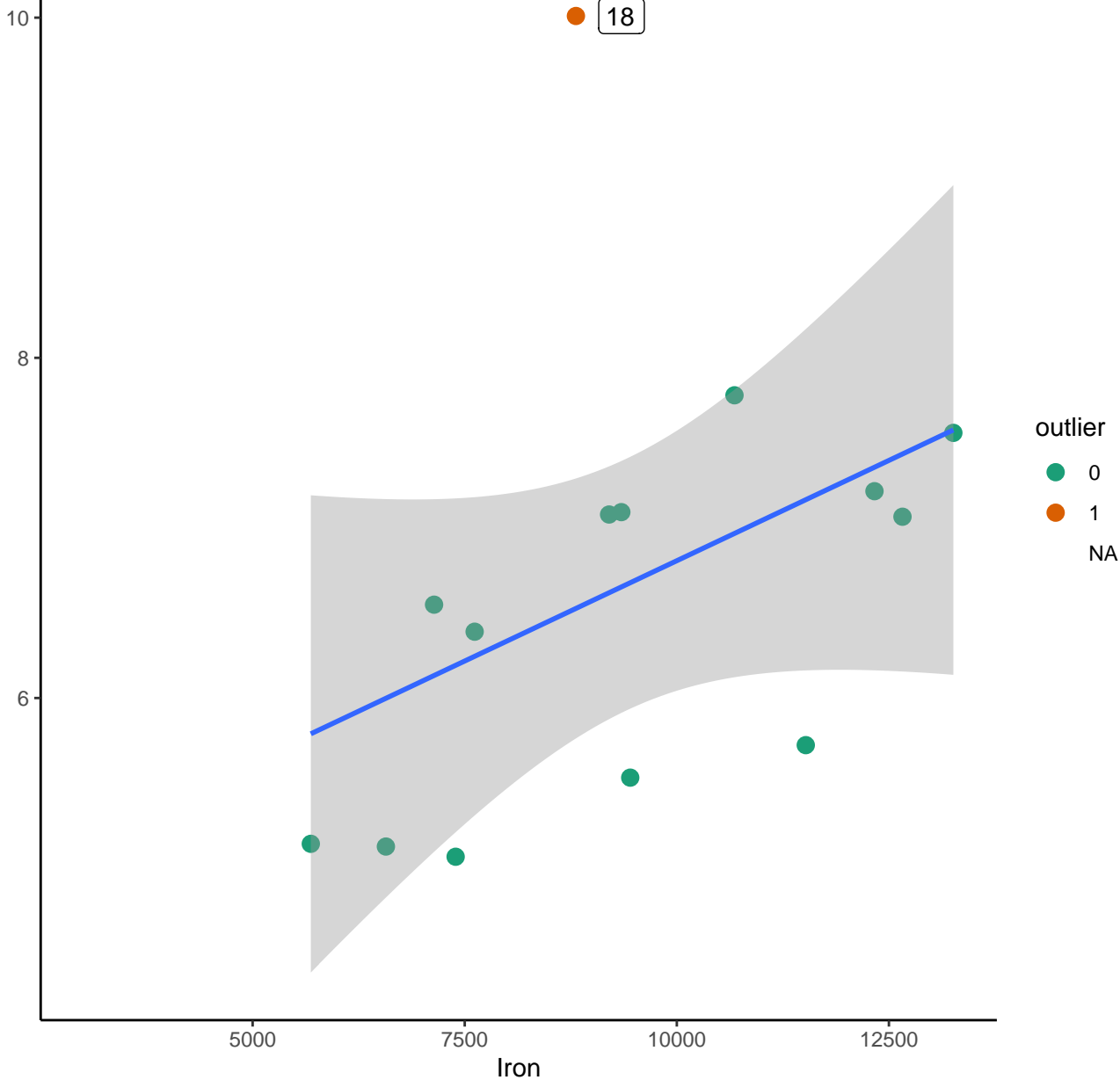
Cooks Outlier Plot for Chromium~Iron

Supplemental Figure 3: Page 14



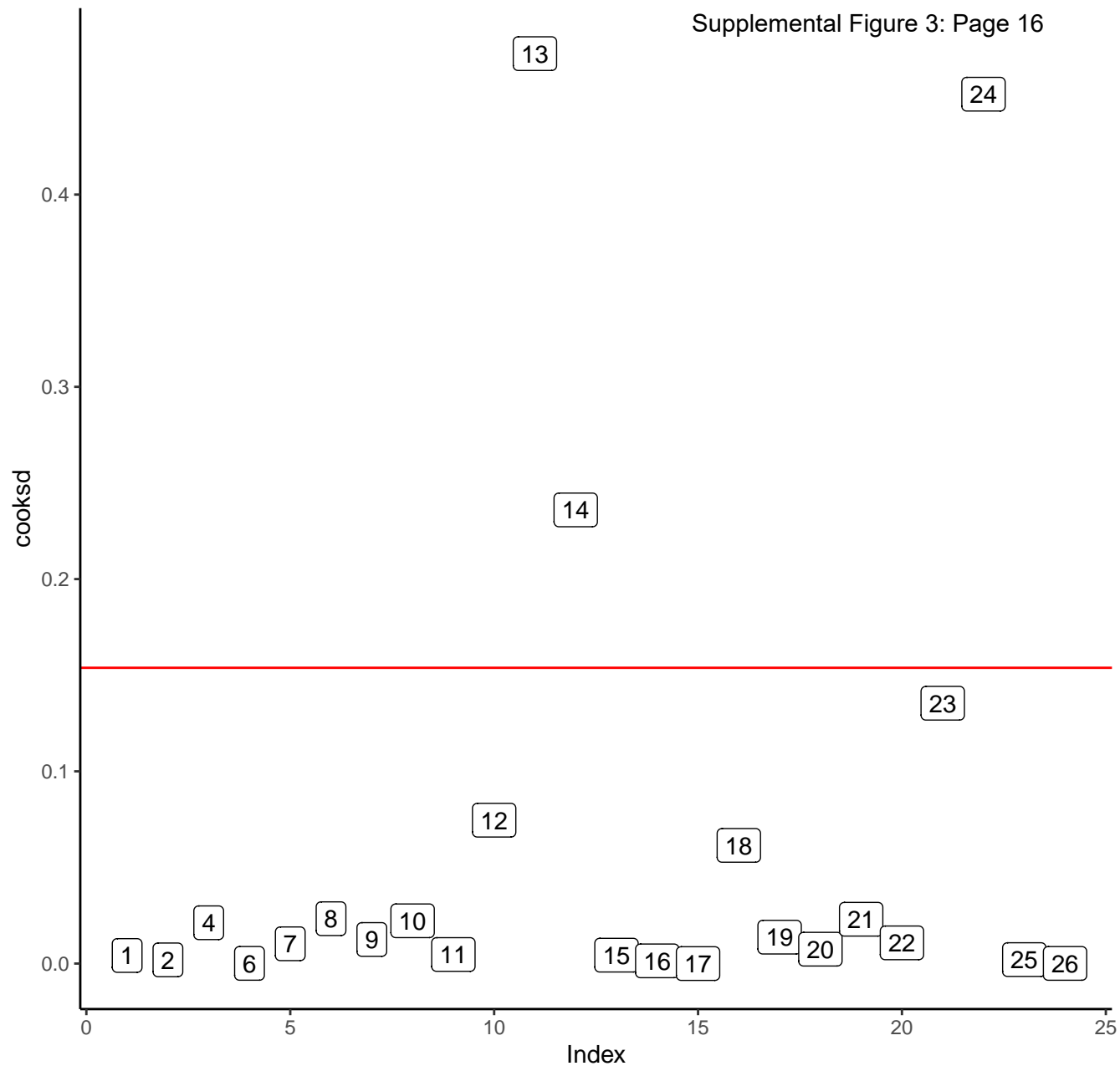
Plot for Chromium~Iron

Supplemental Figure 3: Page 15



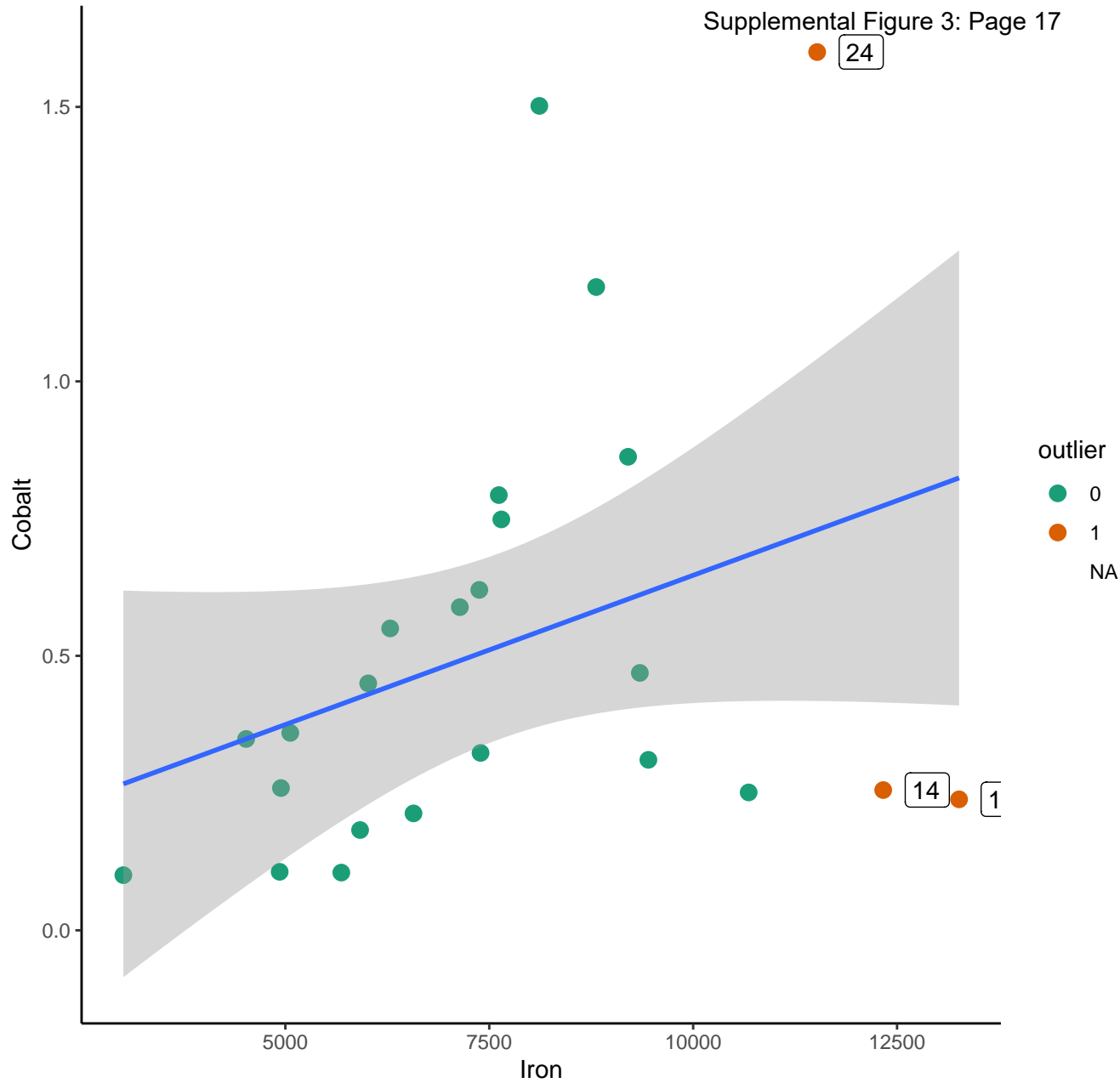
Cooks Outlier Plot for Cobalt~Iron

Supplemental Figure 3: Page 16



Plot for Cobalt~Iron

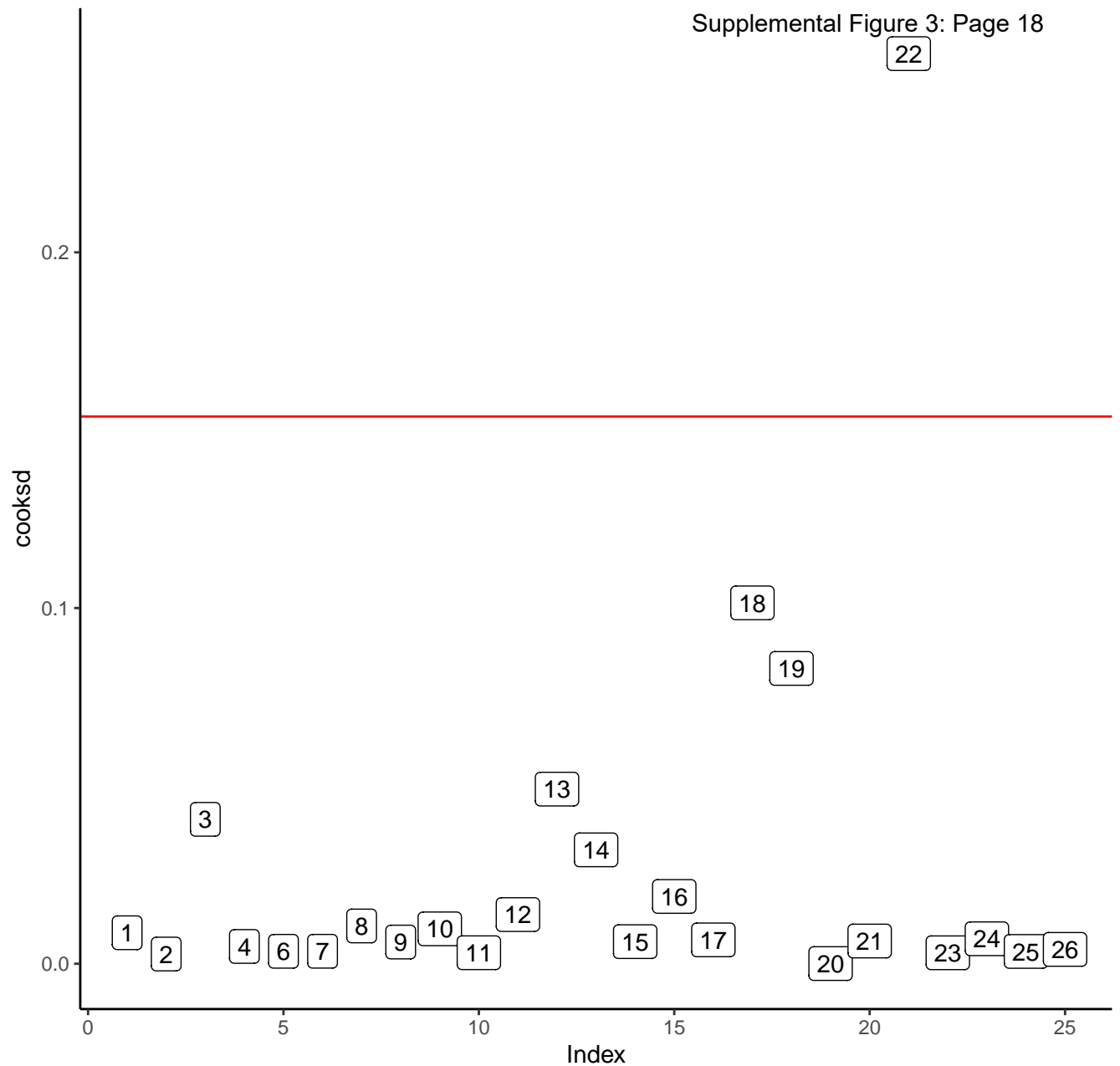
Supplemental Figure 3: Page 17

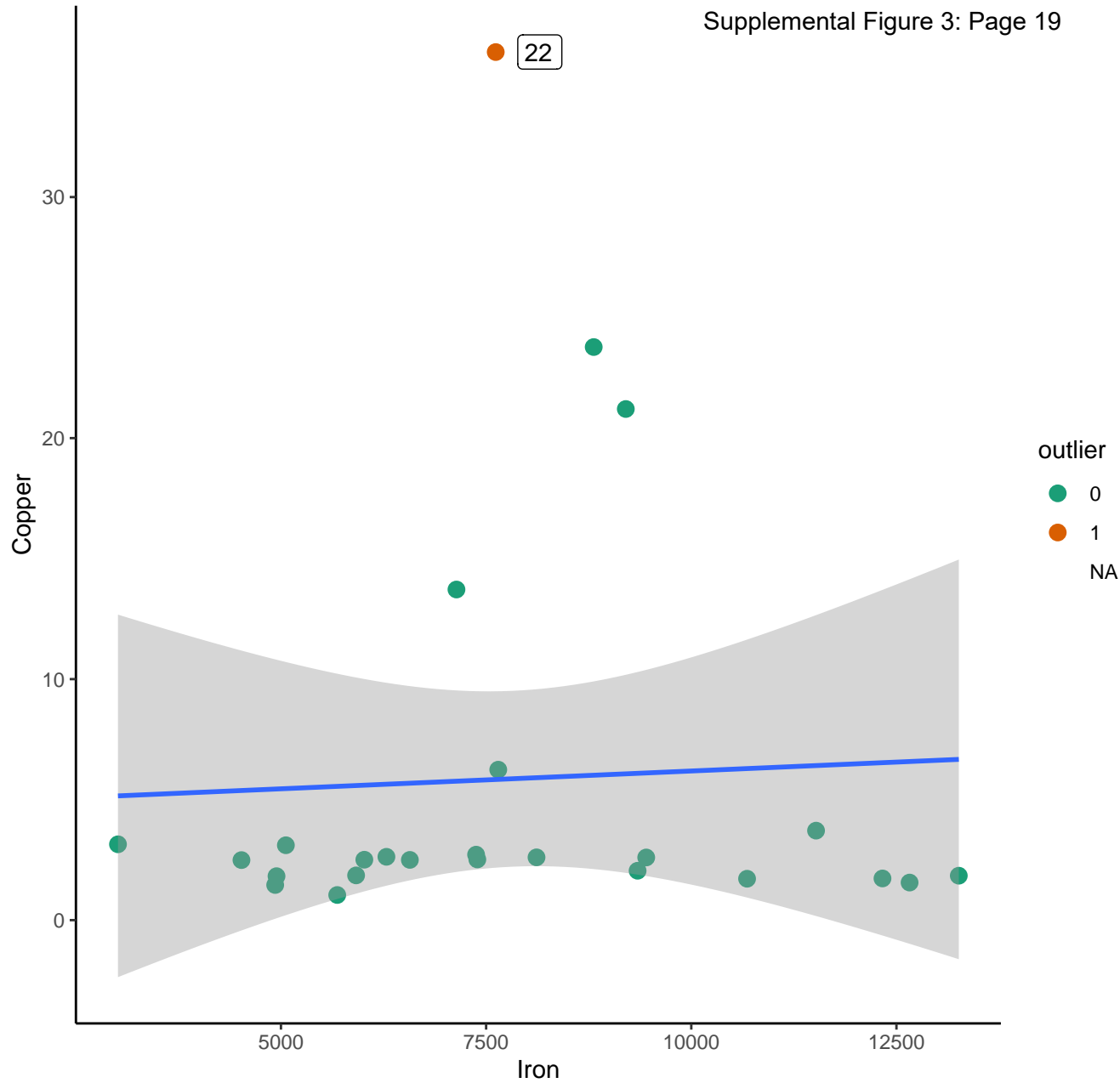


Cooks Outlier Plot for Copper~Iron

Supplemental Figure 3: Page 18

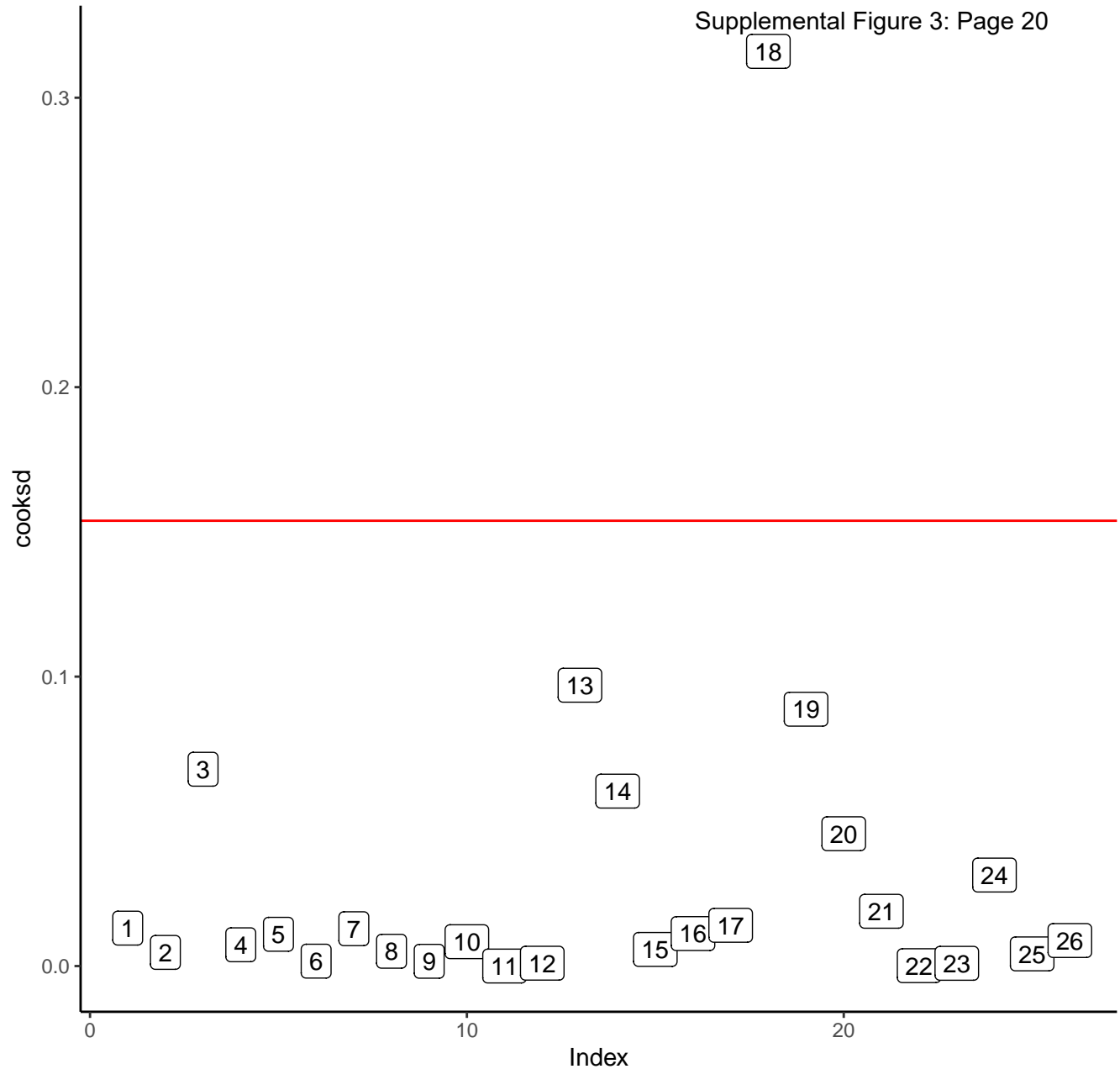
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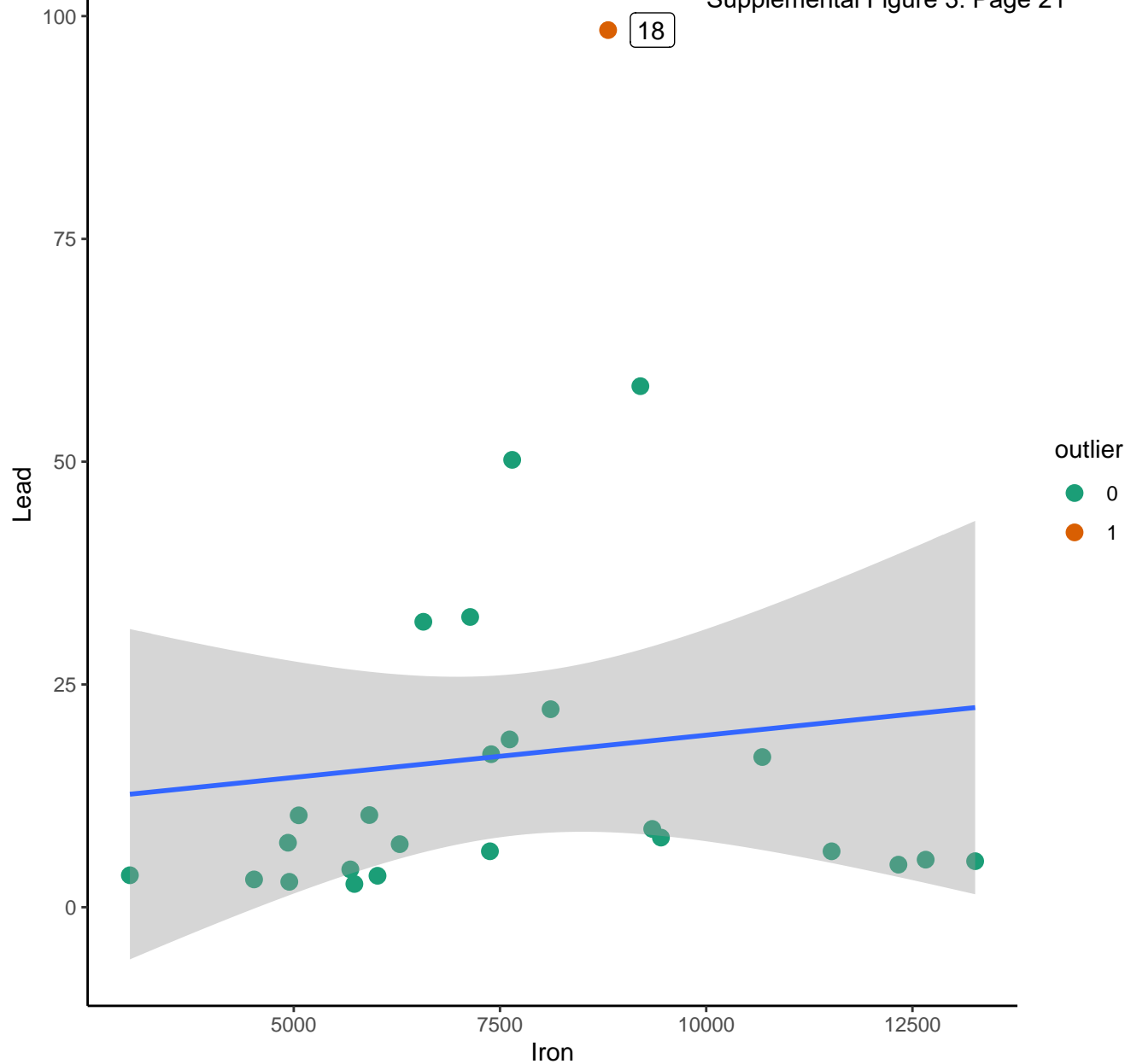


Cooks Outlier Plot for Lead~Iron

Supplemental Figure 3: Page 20

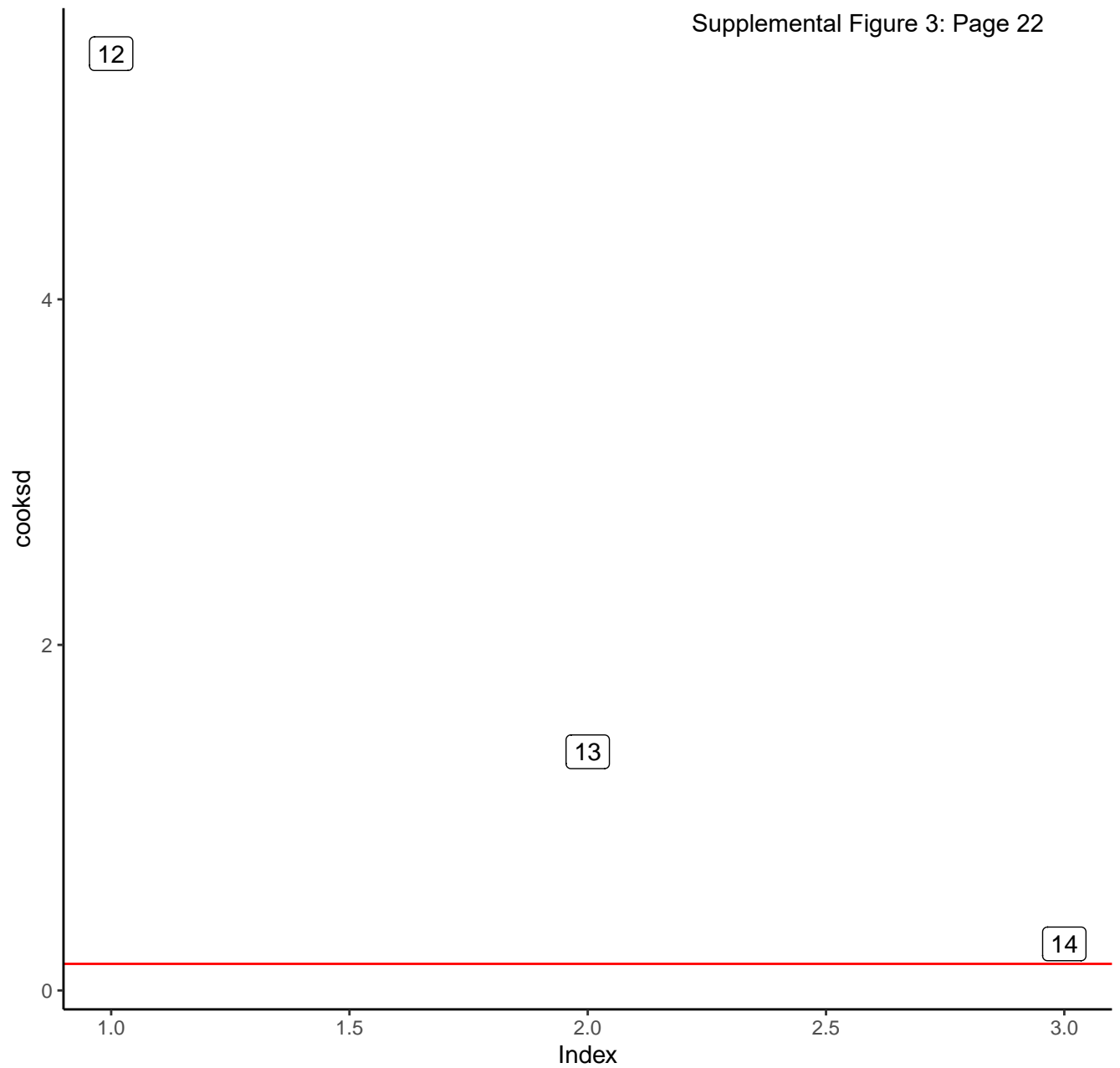


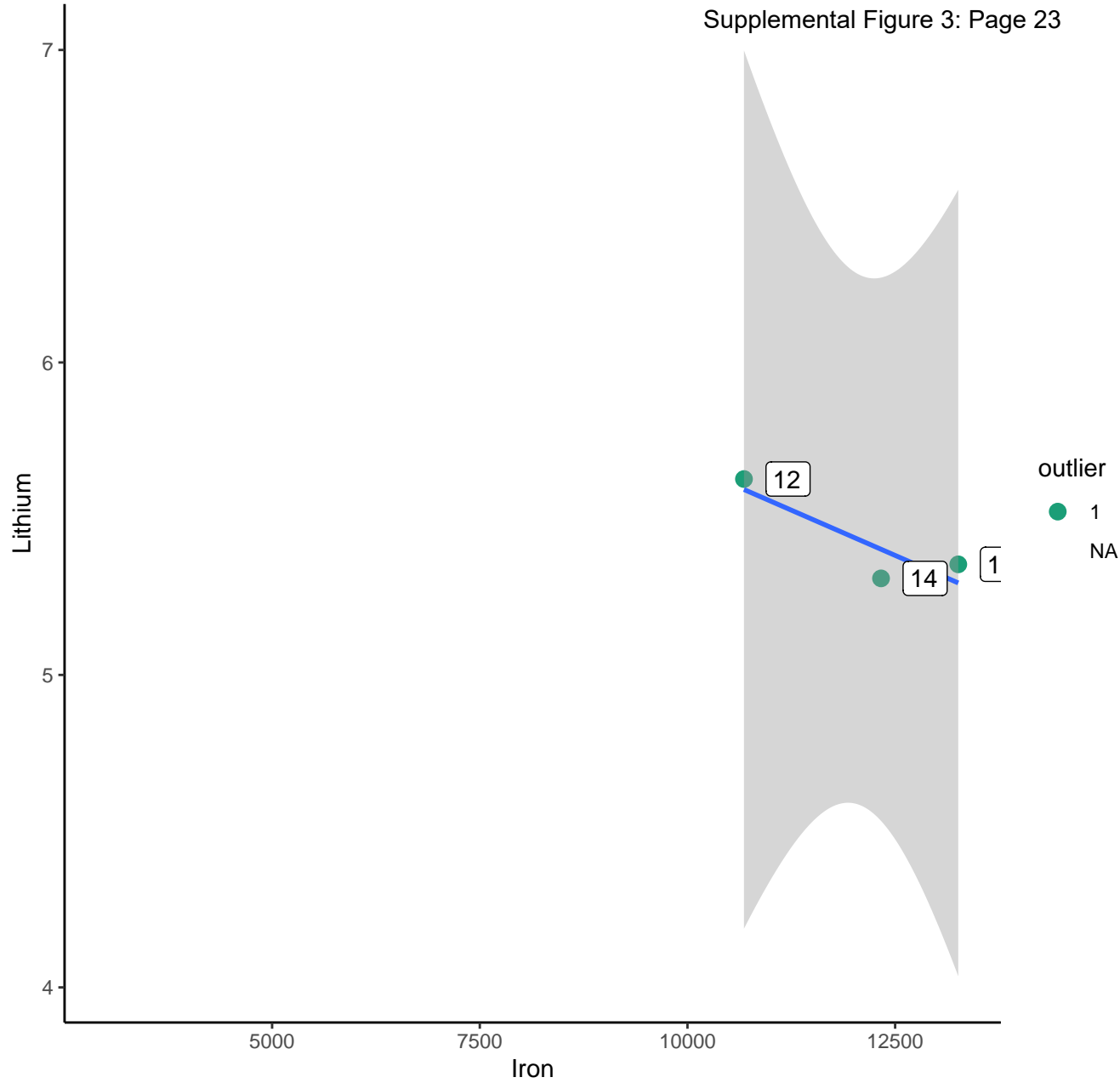
Plot for Lead~Iron



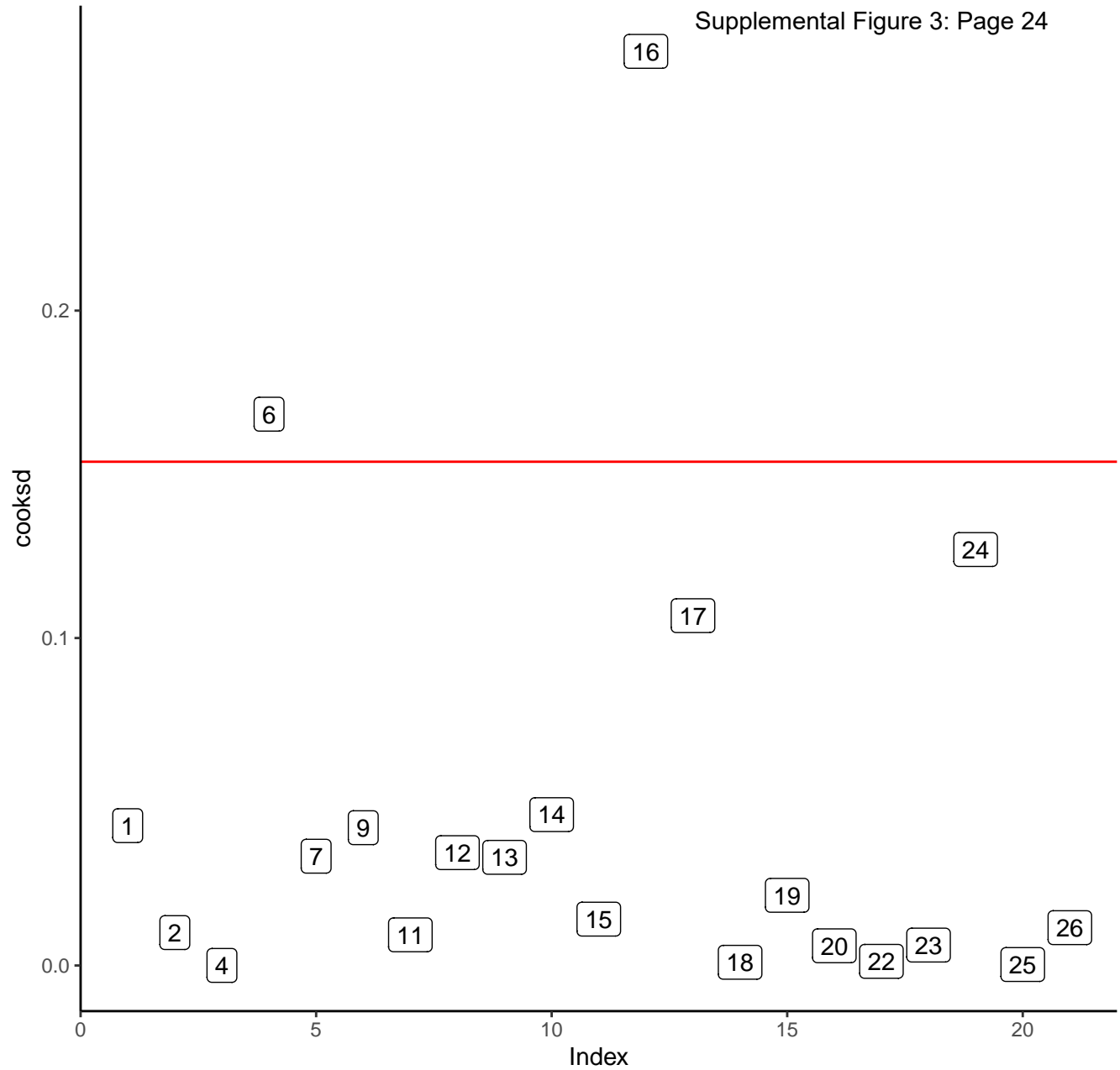
Cooks Outlier Plot for Lithium~Iron

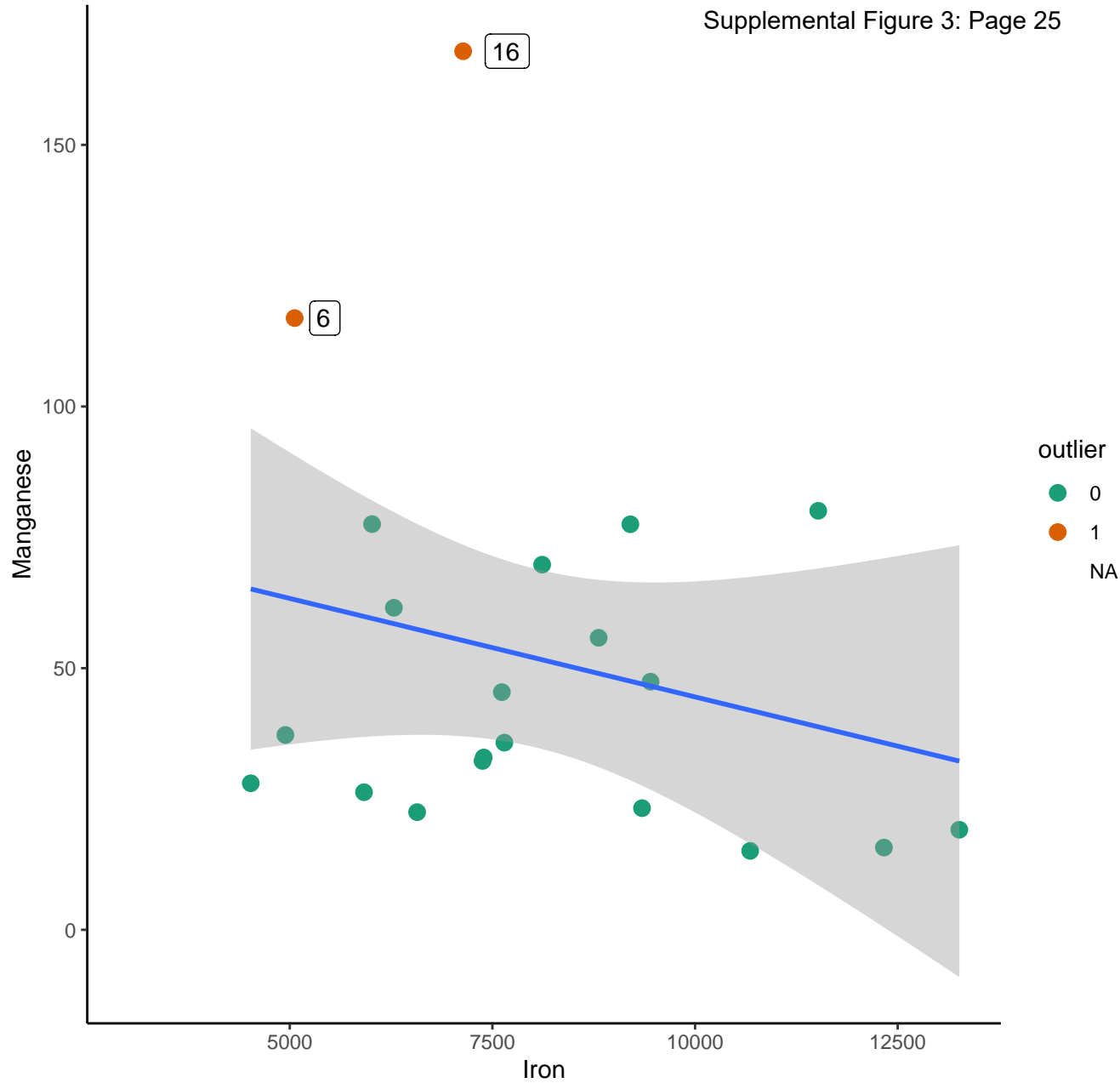
Supplemental Figure 3: Page 22



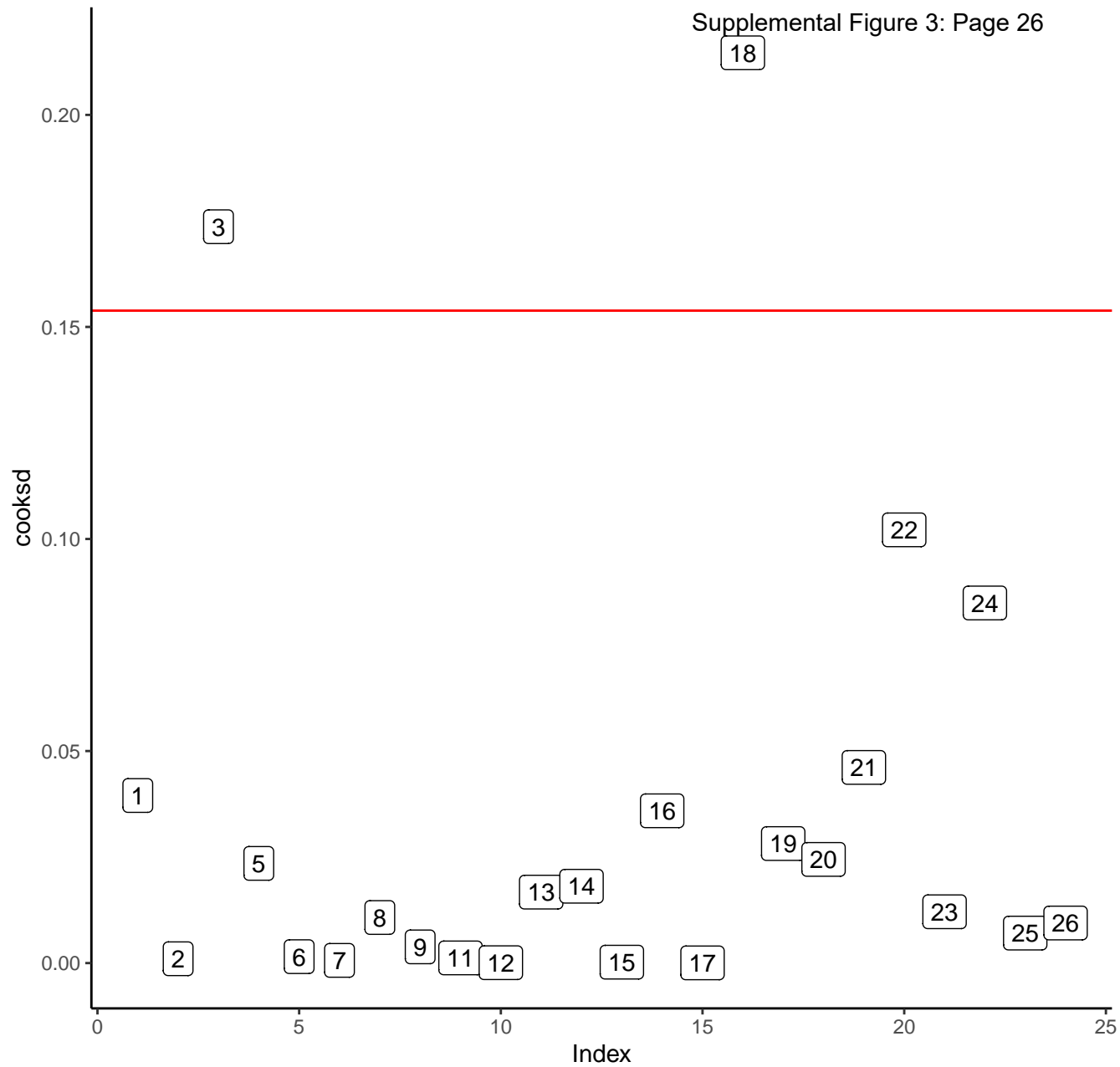


Cooks Outlier Plot for Manganese~Iron



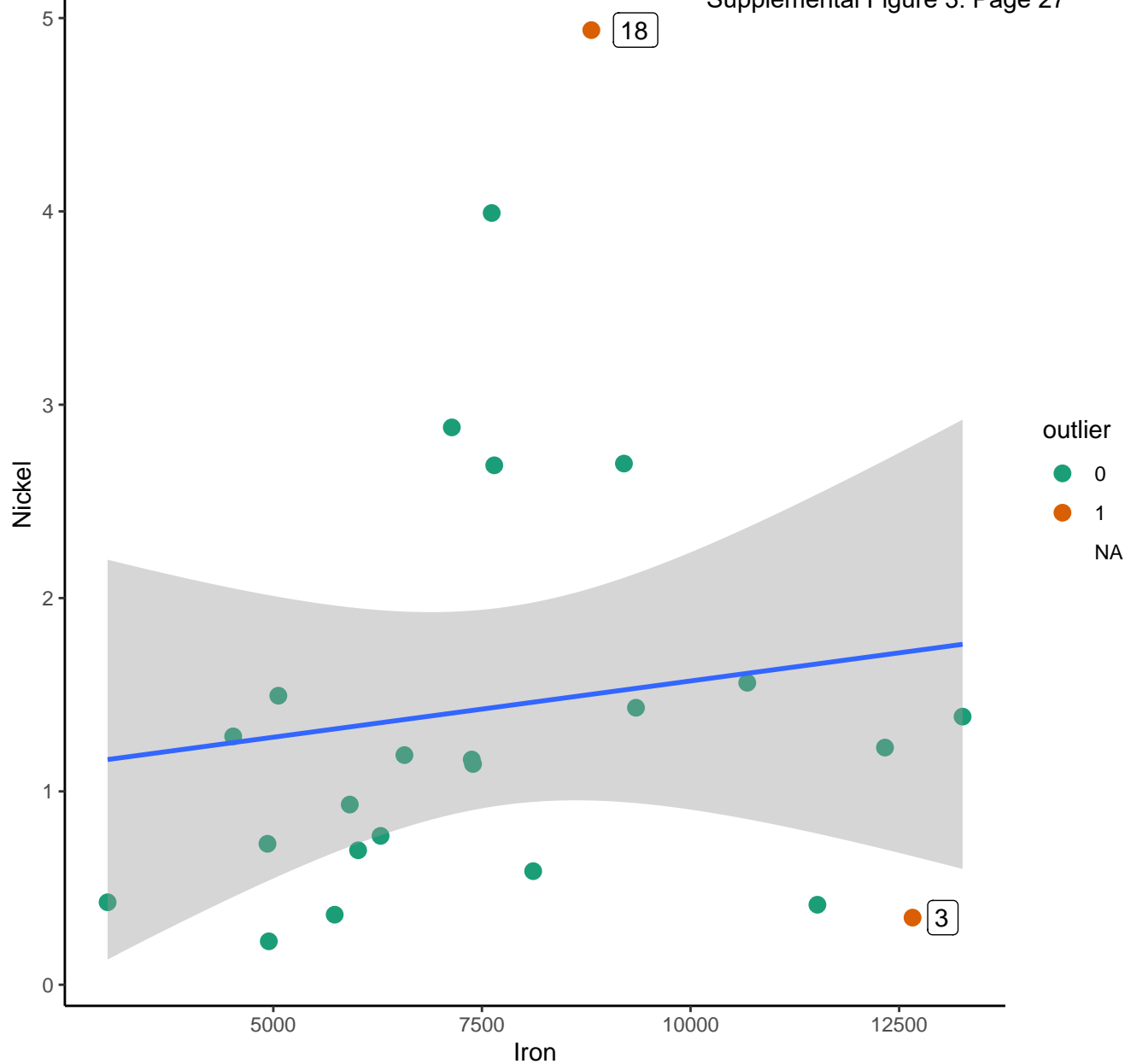


Cooks Outlier Plot for Nickel~Iron



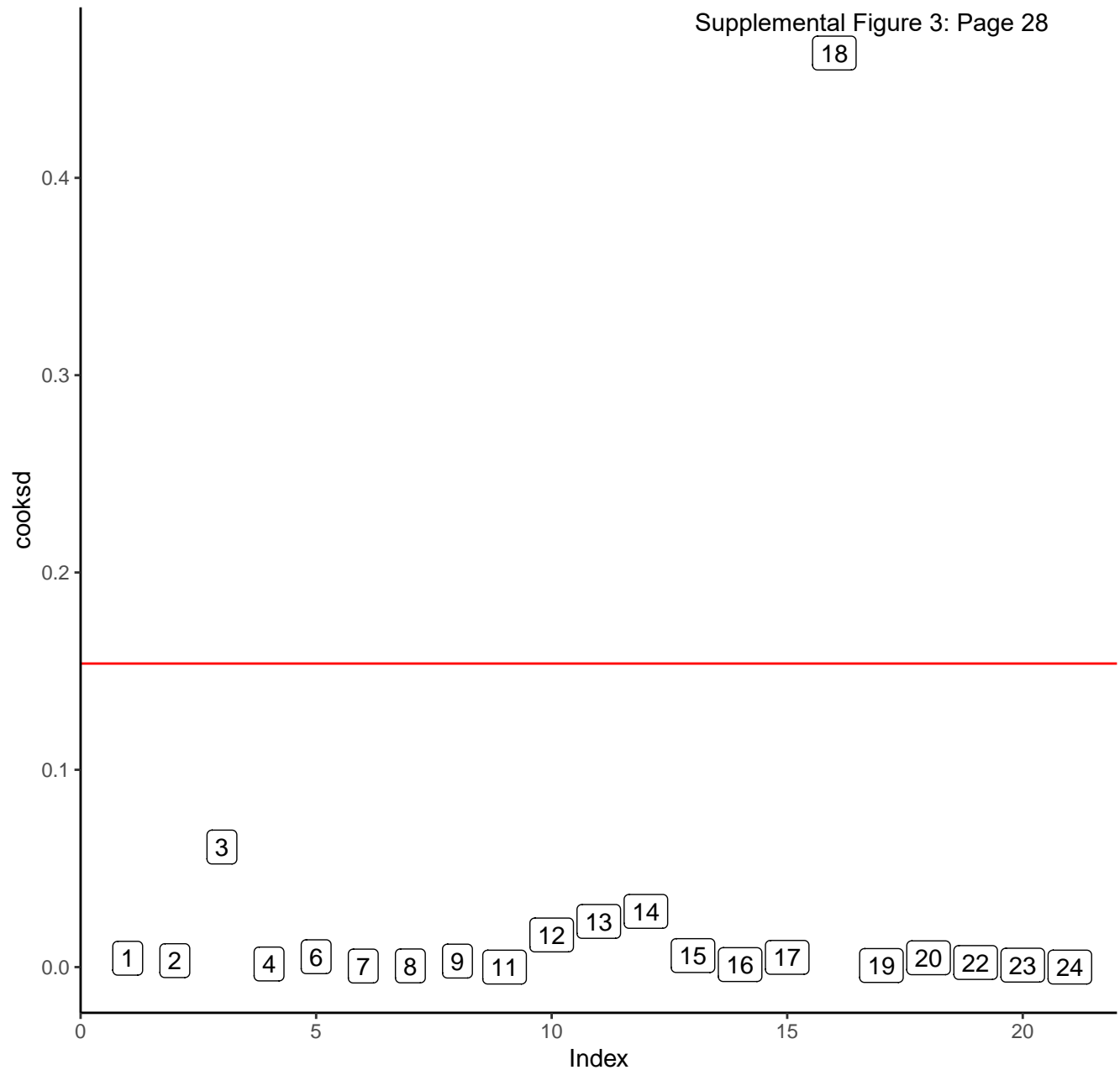
Plot for Nickel~Iron

Supplemental Figure 3: Page 27



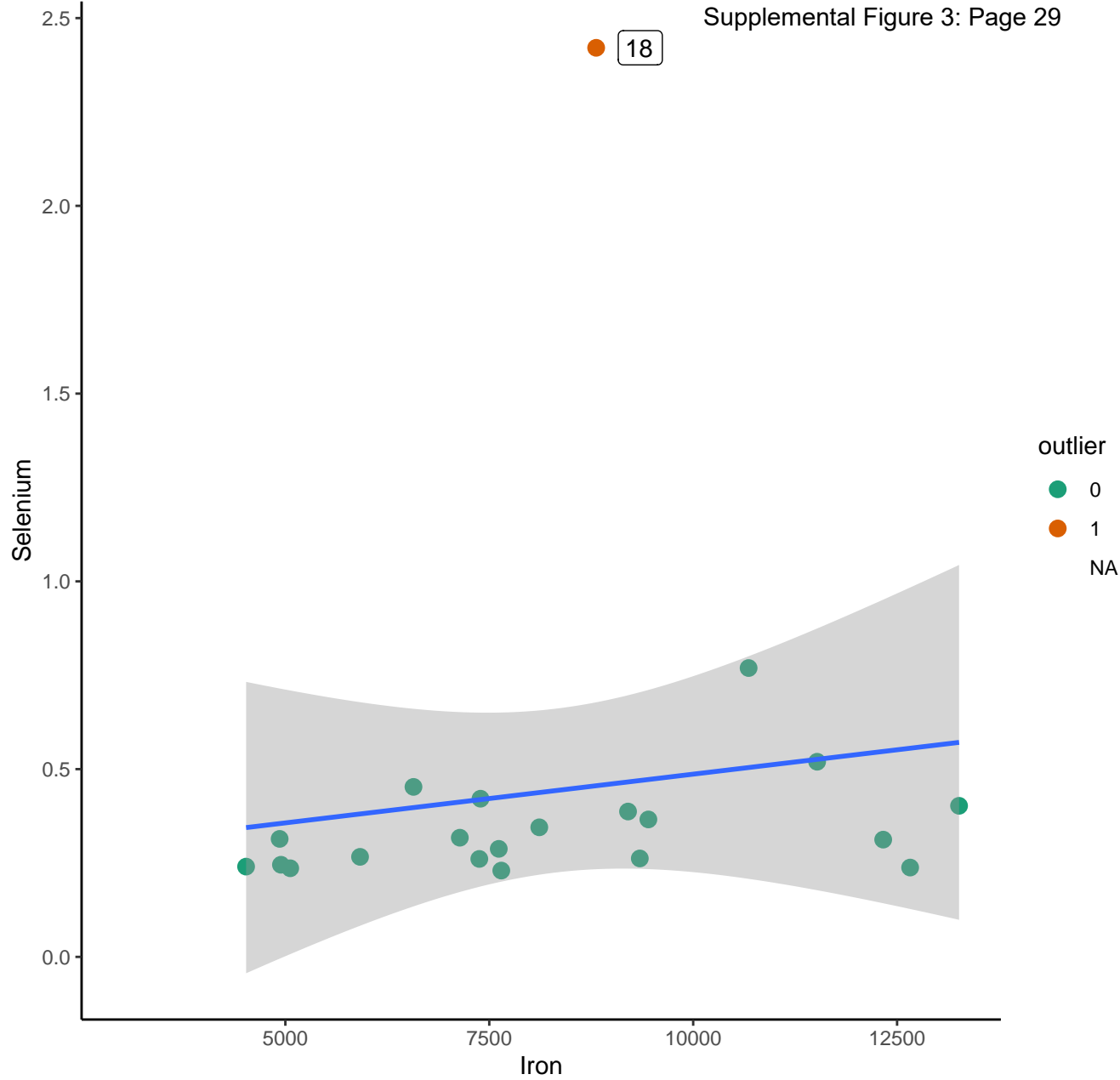
Cooks Outlier Plot for Selenium~Iron

Supplemental Figure 3: Page 28



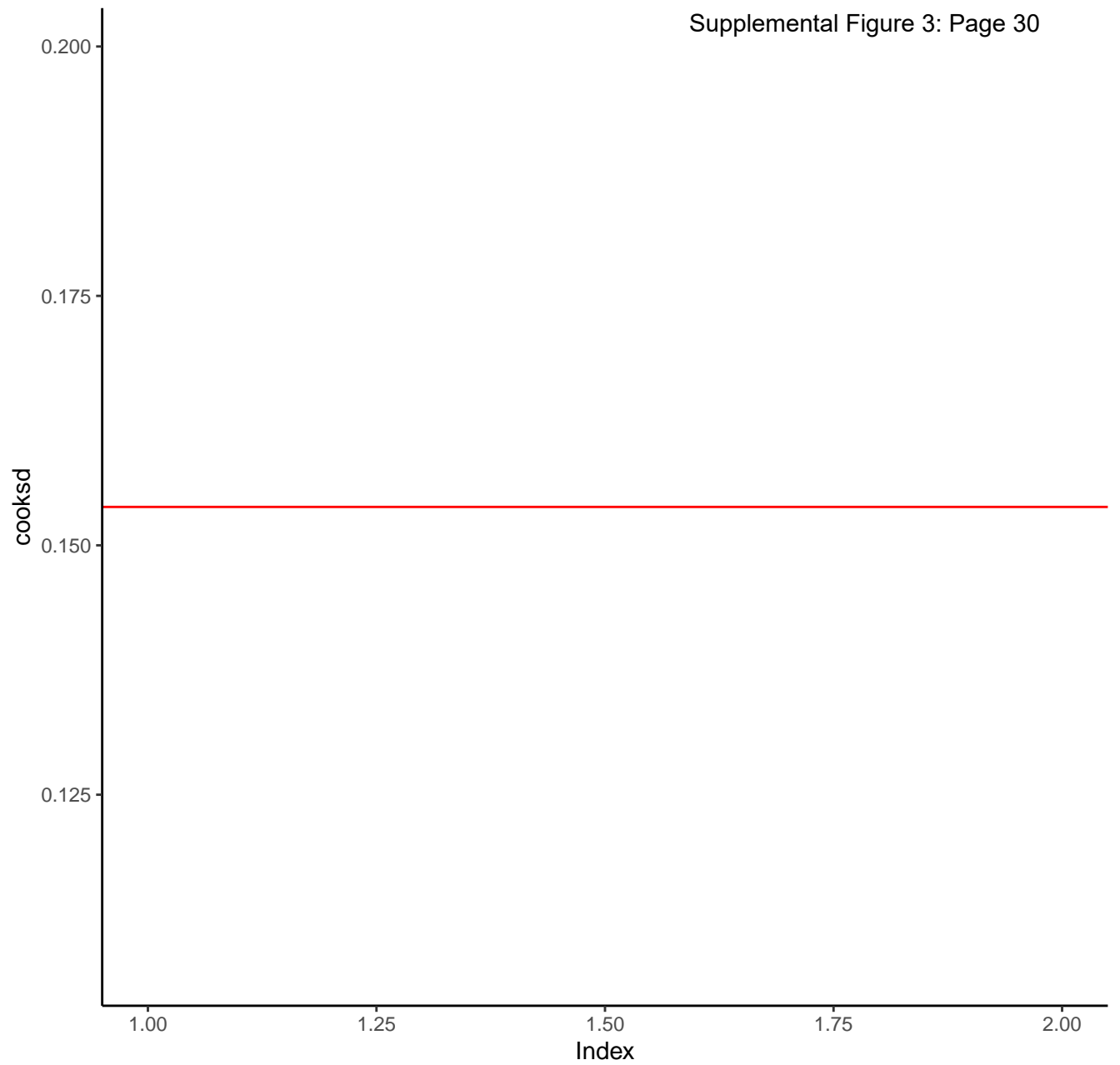
Plot for Selenium~Iron

Supplemental Figure 3: Page 29



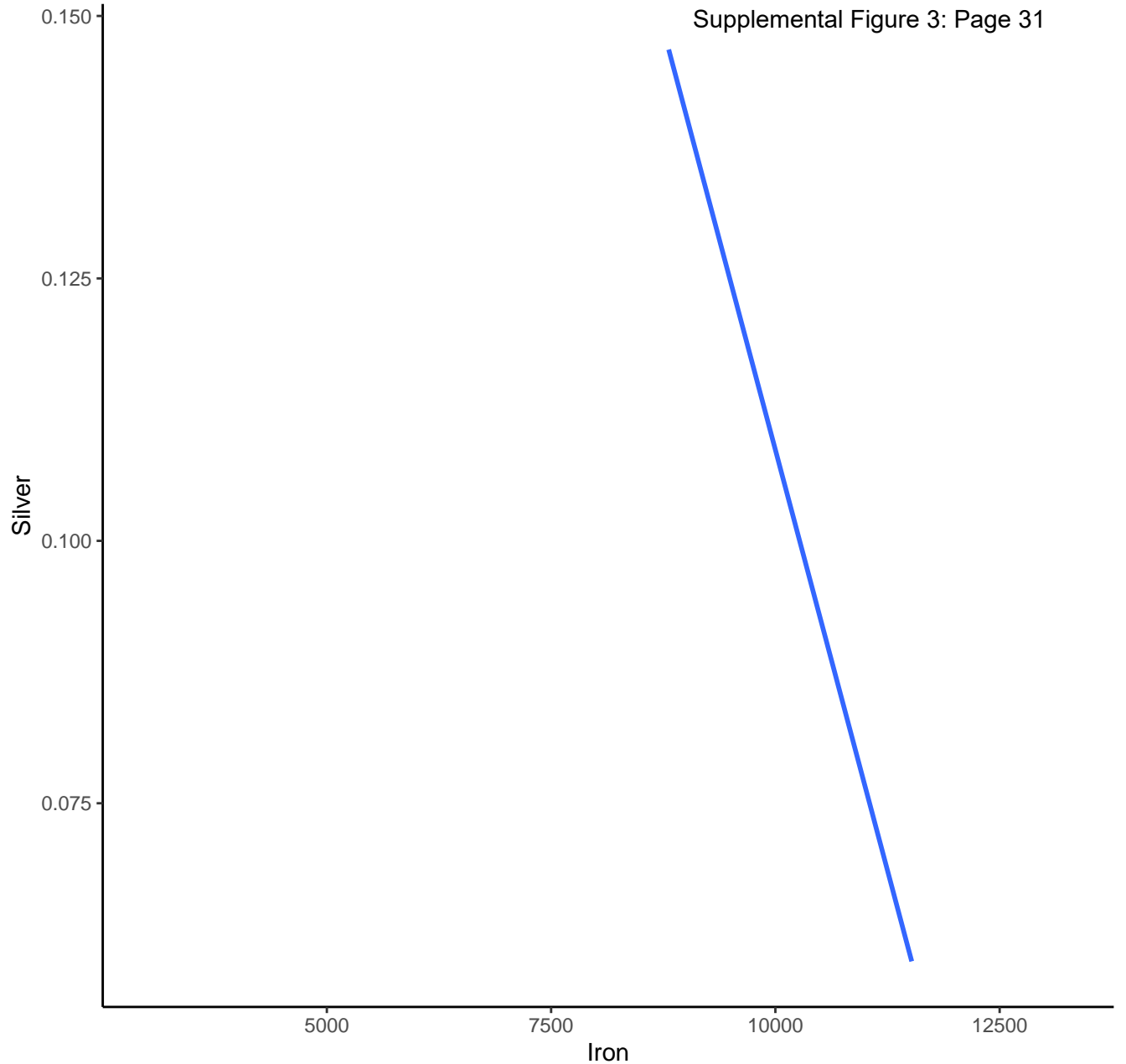
Cooks Outlier Plot for Silver~Iron

Supplemental Figure 3: Page 30

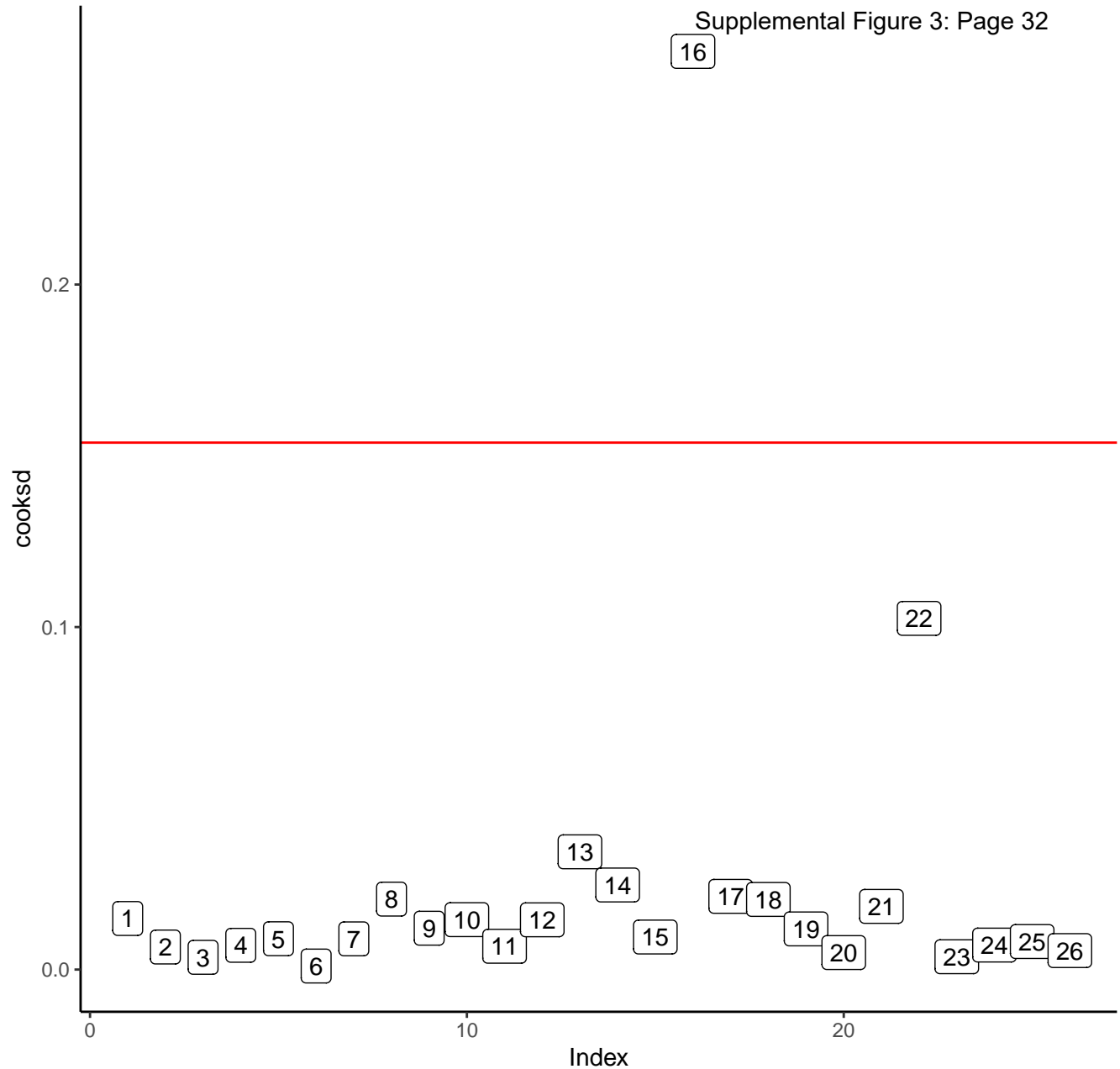


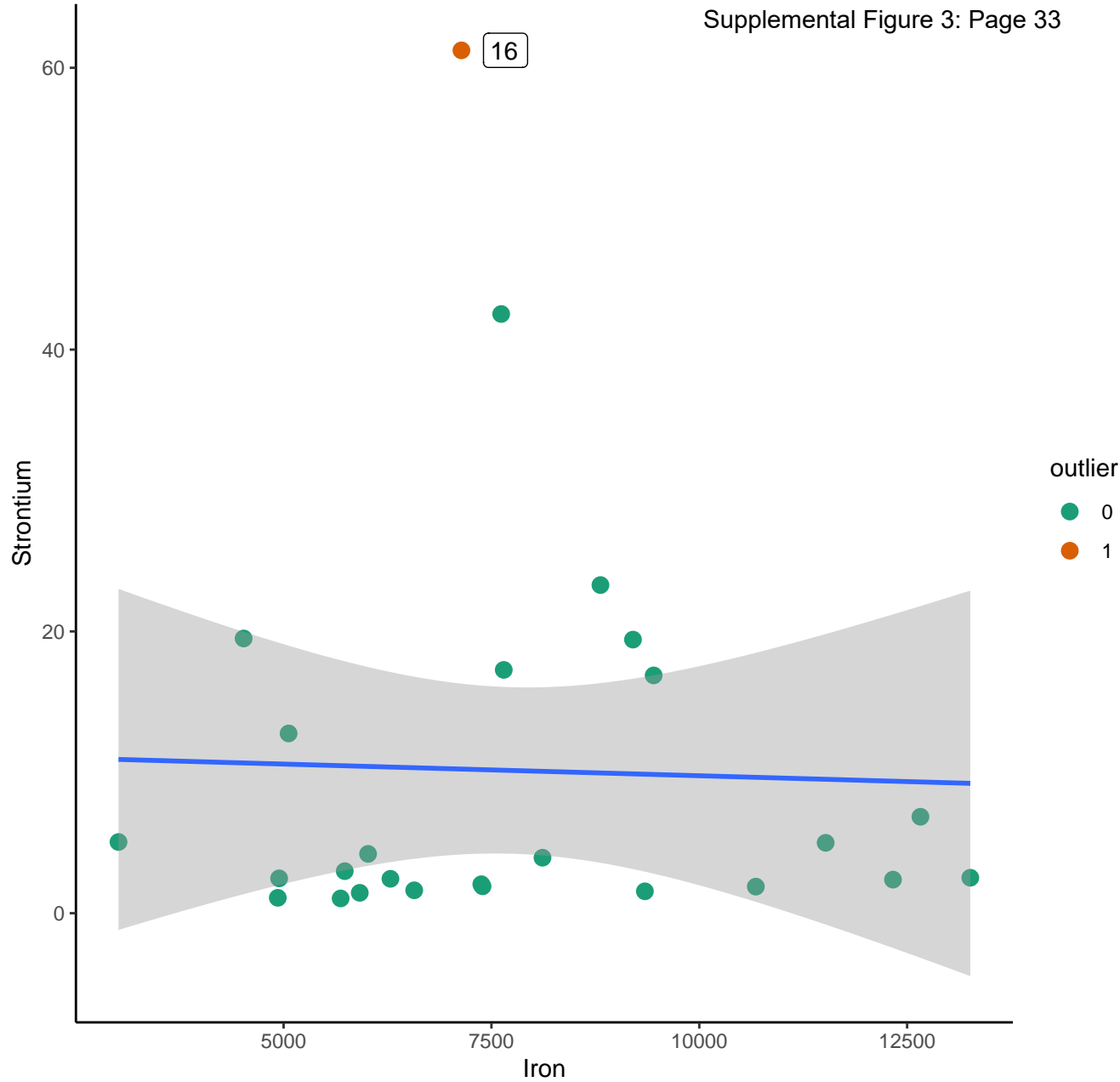
Plot for Silver~Iron

Supplemental Figure 3: Page 31



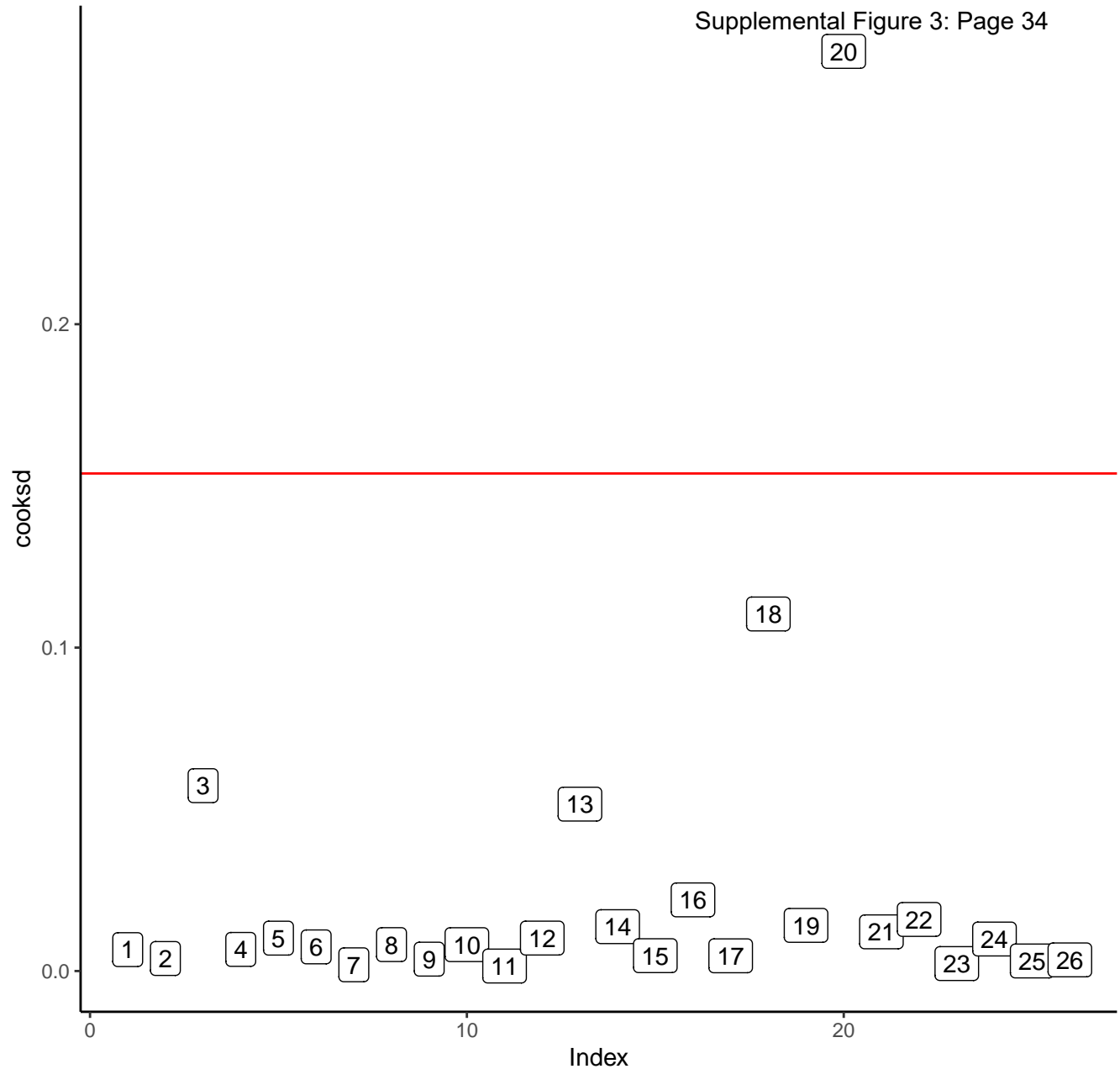
Cooks Outlier Plot for Strontium~Iron

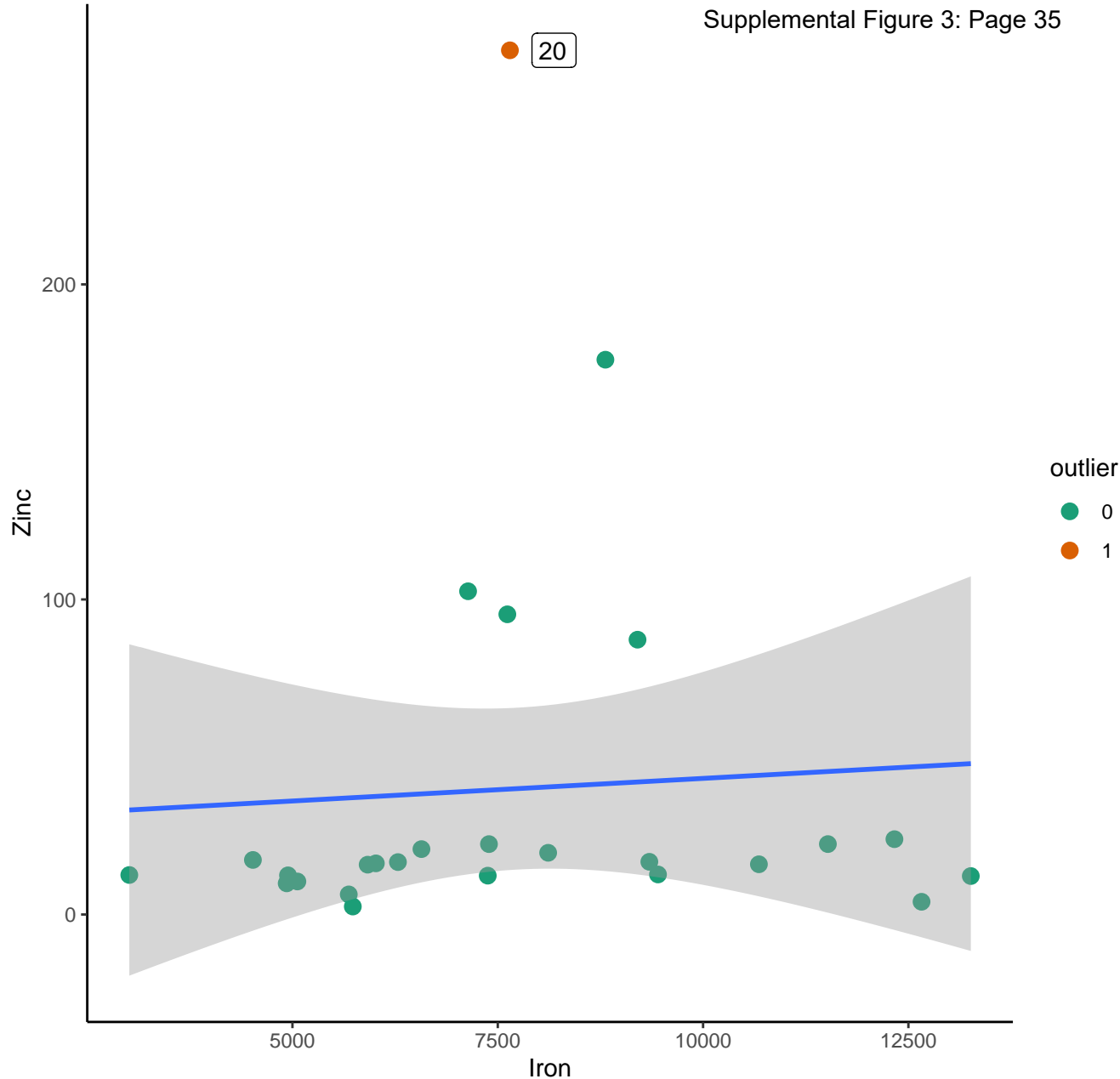




Cooks Outlier Plot for Zinc~Iron

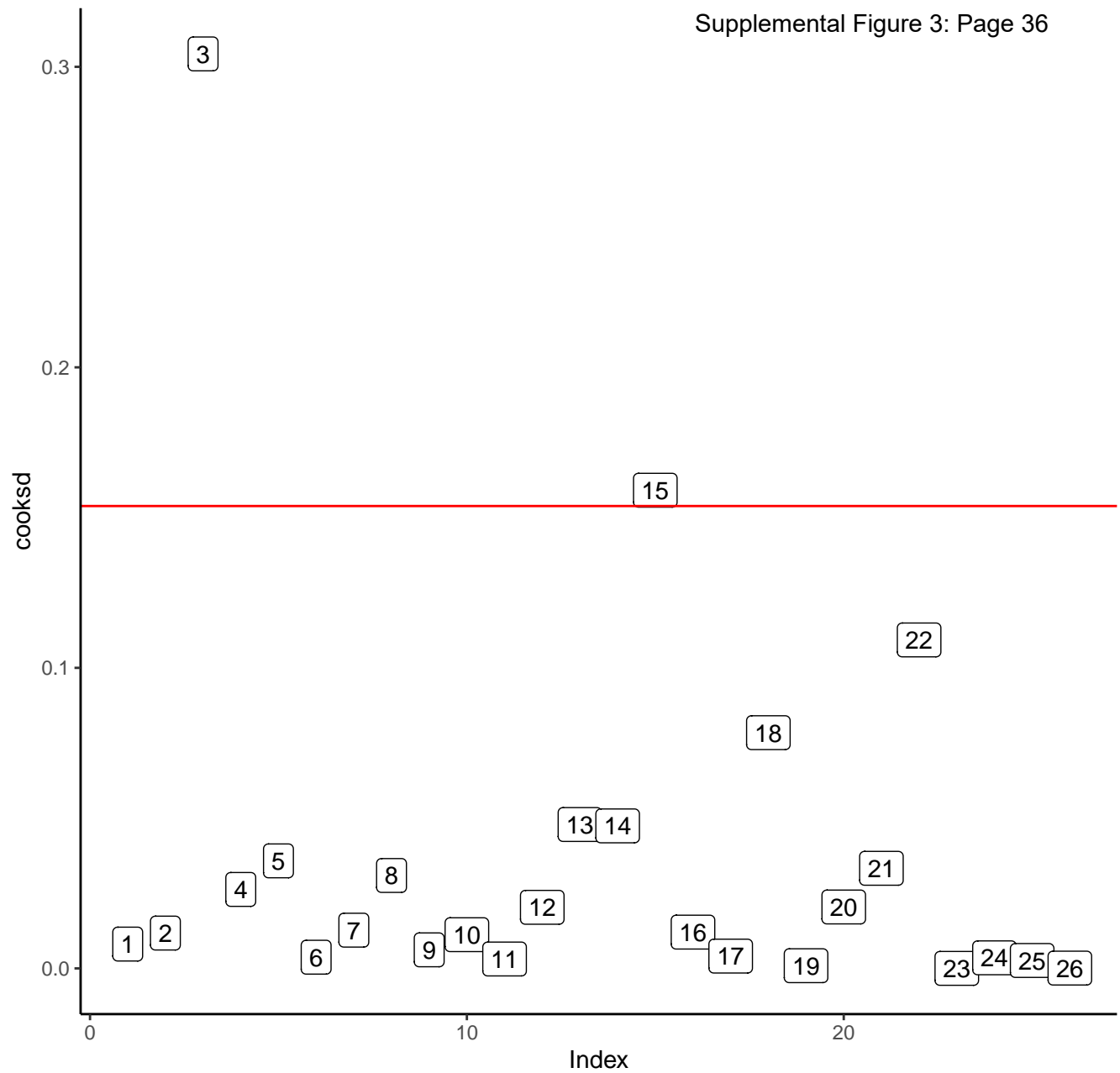
Supplemental Figure 3: Page 34



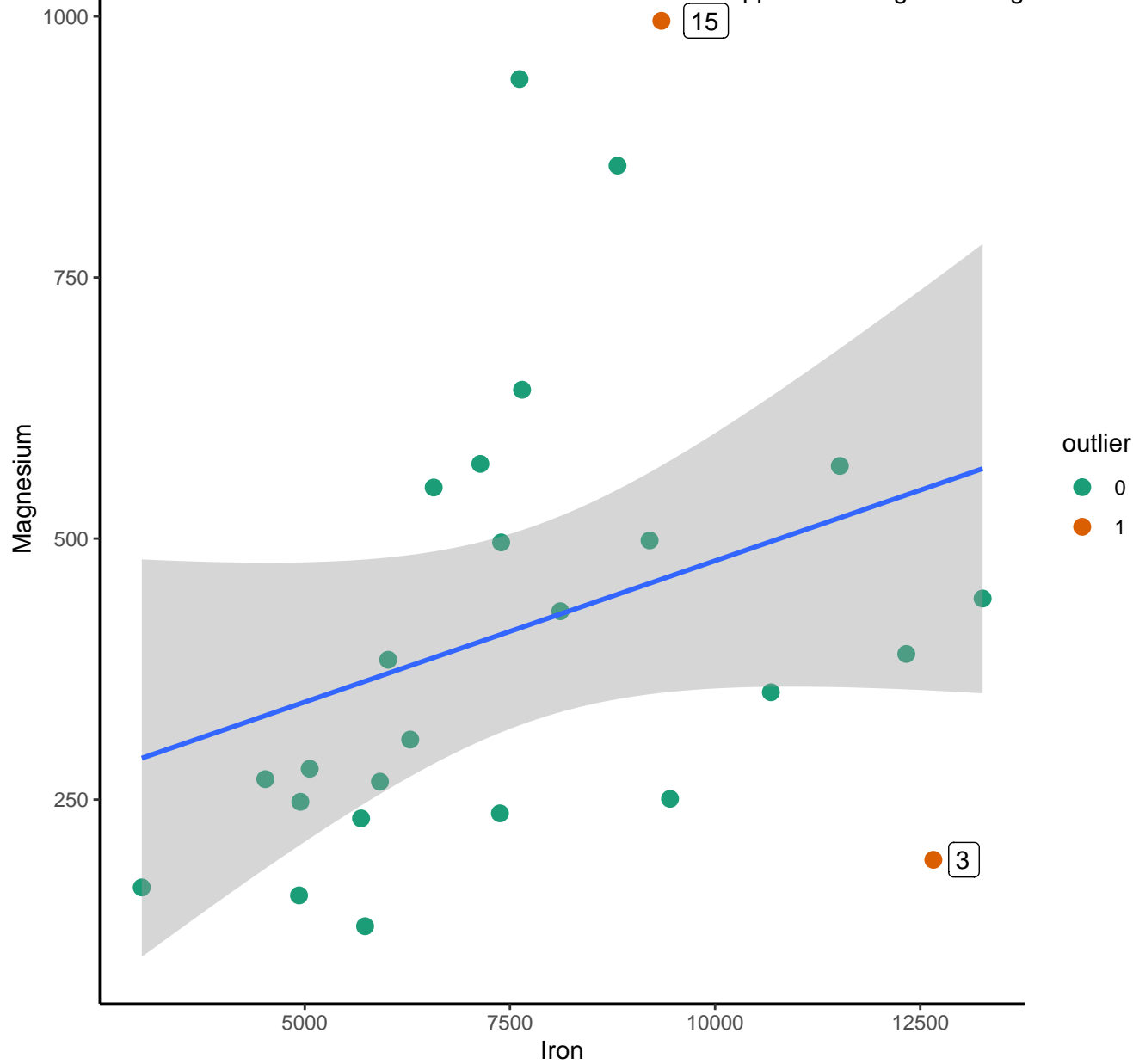


Cooks Outlier Plot for Magnesium~Iron

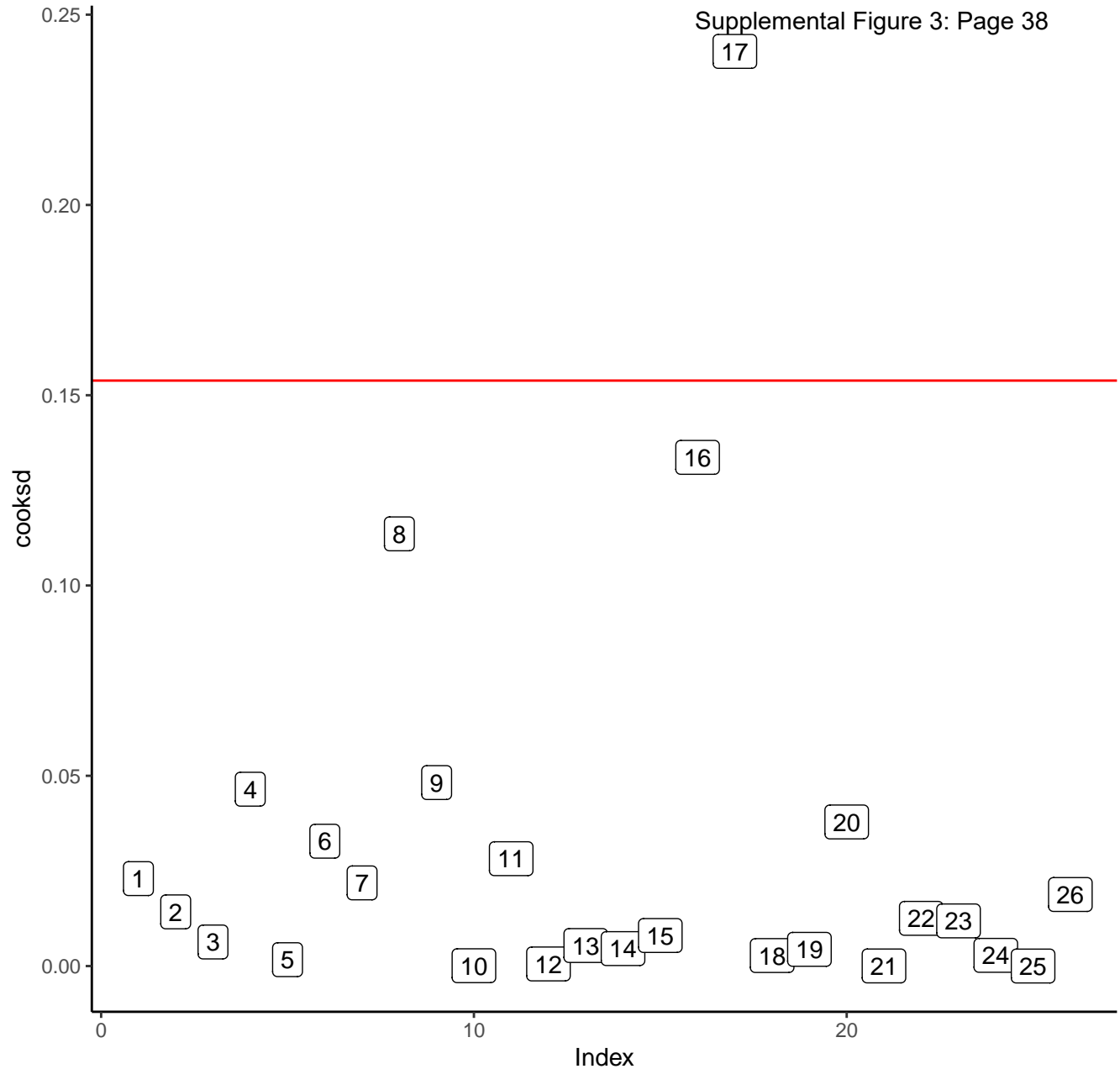
Supplemental Figure 3: Page 36



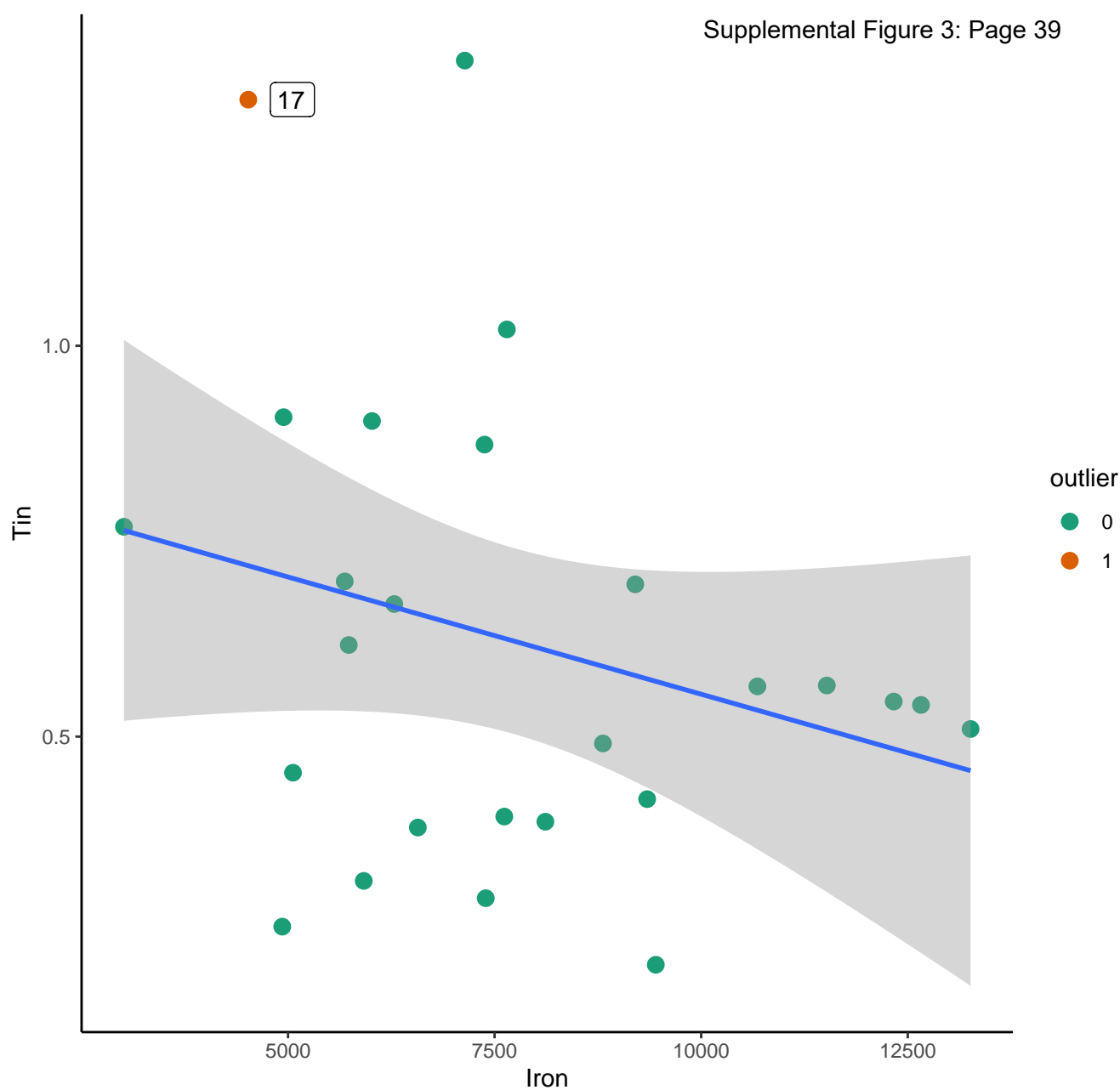
Plot for Magnesium~Iron



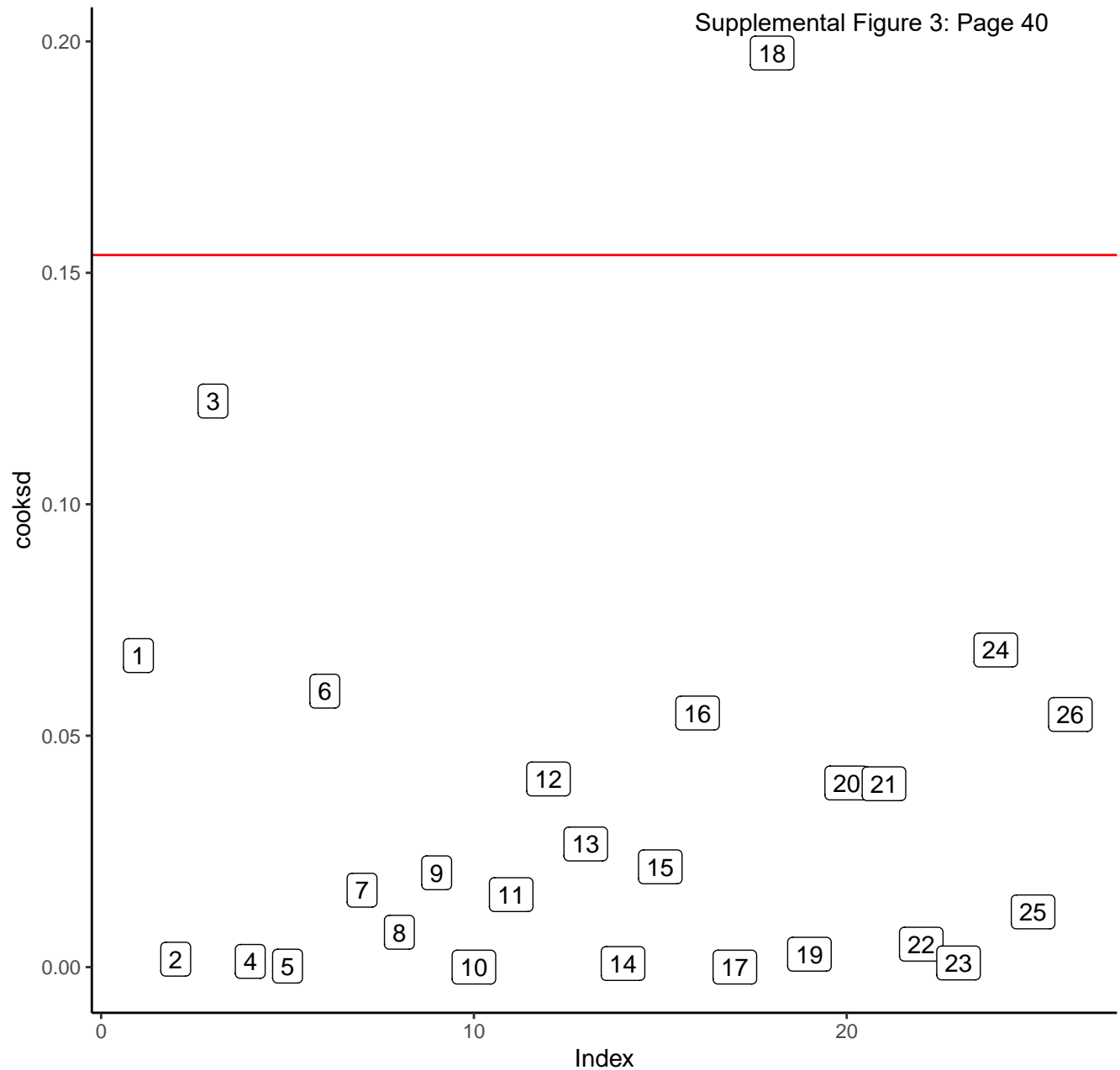
Cooks Outlier Plot for Tin~Iron



Plot for Tin~Iron

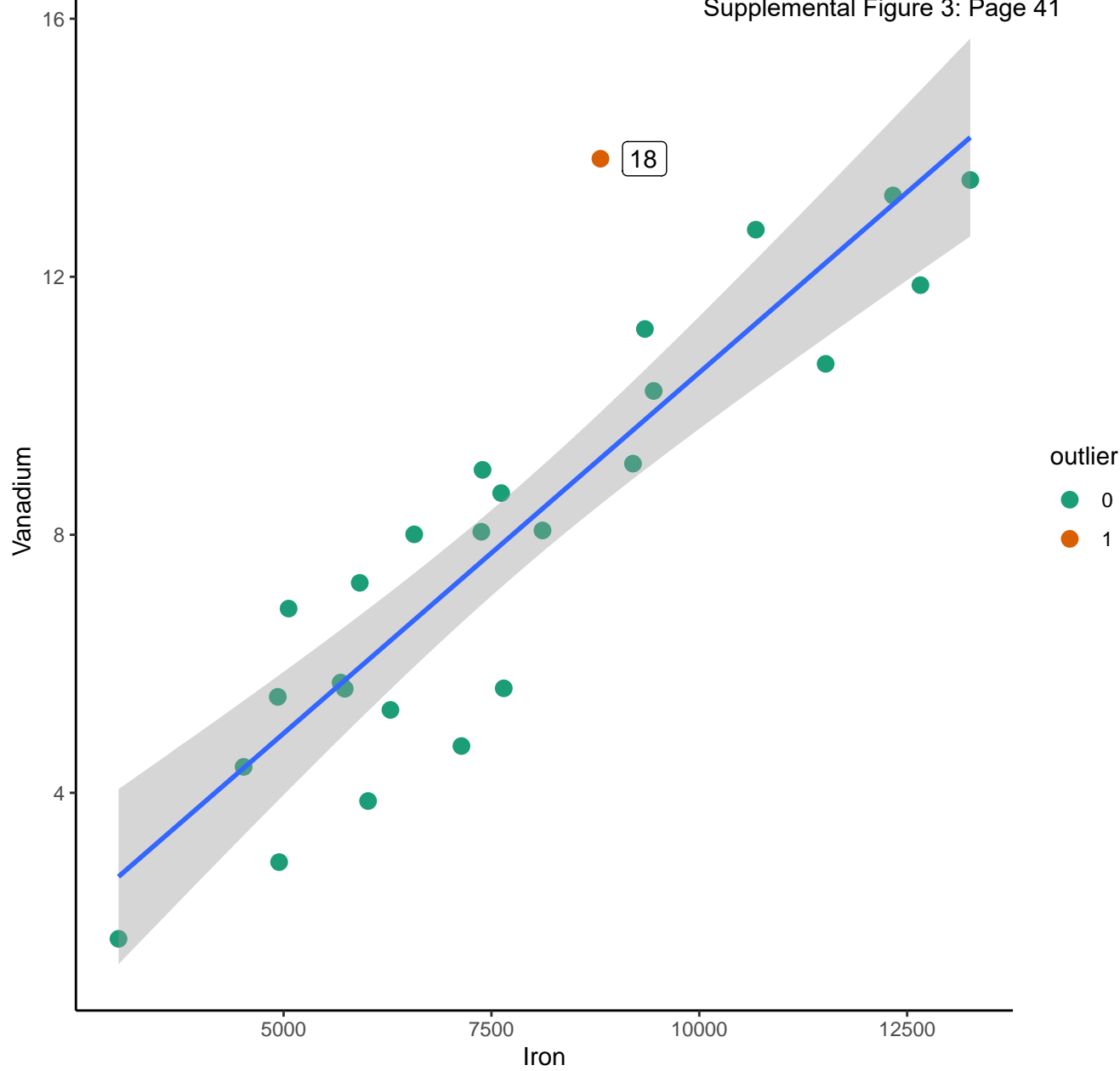


Cooks Outlier Plot for Vanadium~Iron



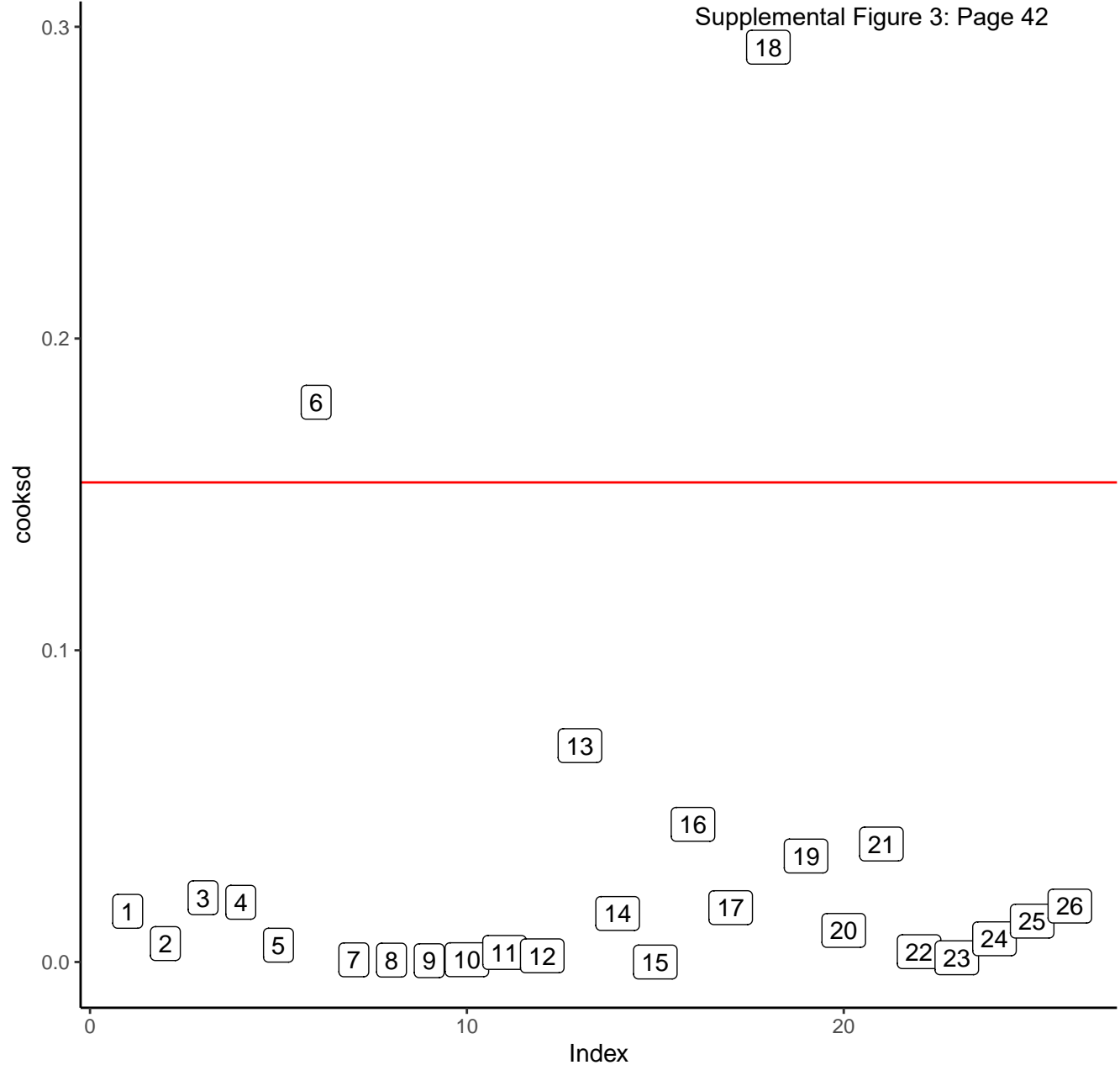
Plot for Vanadium~Iron

Supplemental Figure 3: Page 41



Cooks Outlier Plot for Mercury~Iron

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Plot for Mercury~Iron

Supplemental Figure 3: Page 43

