**Supplemental material**

Coefficients for the frequency band-pass filter.

|  |  |  |
| --- | --- | --- |
| **Number** | **B (Numerator)** | **A (Denominator)** |
| 1 | 0.04910898 | 1.00000000 |
| 2 | -0.12284184 | -4.16372603 |
| 3 | 0.14355788 | 7.57115309 |
| 4 | -0.11269399 | -7.98046903 |
| 5 | 0.05380374 | 5.38501191 |
| 6 | -0.02023027 | -2.46356271 |
| 7 | 0.00637785 | 0.89238142 |
| 8 | 0.01851254 | 0.06360999 |
| 9 | -0.03815411 | -1.34810513 |
| 10 | 0.04872652 | 2.47338133 |
| 11 | -0.05257721 | -2.92571736 |
| 12 | 0.04784714 | 2.92983230 |
| 13 | -0.04601483 | -2.78159063 |
| 14 | 0.03628334 | 2.47767354 |
| 15 | -0.01297681 | -1.68473849 |
| 16 | -0.00462621 | 0.46482863 |
| 17 | 0.01283540 | 0.46565289 |
| 18 | -0.00937622 | -0.67311897 |
| 19 | 0.00344850 | 0.41620323 |
| 20 | -0.00080972 | -0.13832322 |
| 21 | -0.00019623 | 0.01985172 |