**Supplementary Table 1:** Simulated type I error (%) of MWCMLE for small numbers of lots with different variance ratios if *f* = 1.5.

|  |  |
| --- | --- |
| ***f* = 1.5** |  |
|  | 10 | 11 | 12 | 13 | 14 | 15 |
| 0.5 | 4.8141 | 4.779 | 4.7652 | 4.791 | 4.8138 | 4.7962 |
| 0.75 | 4.8705 | 4.8388 | 4.8195 | 4.8205 | 4.8669 | 4.8312 |
| 1 | 4.9202 | 4.8795 | 4.8502 | 4.8651 | 4.9156 | 4.8715 |
| 1.25 | 4.9568 | 4.9171 | 4.8959 | 4.8933 | 4.9337 | 4.8855 |
| 1.5 | 4.9713 | 4.9466 | 4.9229 | 4.9069 | 4.9496 | 4.9062 |
| 1.75 | 4.9813 | 4.956 | 4.9348 | 4.9189 | 4.9629 | 4.9067 |
| 2 | 4.9815 | 4.9635 | 4.9471 | 4.9296 | 4.9688 | 4.9193 |