$\label{lem:continuous} \begin{tabular}{ll} \begin{tabular}{ll}$ n n n

| \n   |   |   |   | \n \n 0   | Quarter ended\n \n  | \n :  | n \nDec 31, 2021\n \n Change from\n \n | $n \in \mathbb{R}^n \setminus n$         |  | \n                             |
|--|---|---|---|---|---|---|--|--|--|--------------------------------|
| $n \in (in millions) n$  | \n \nDec<br>31,\n \n<br>\n 2021\n \n  | \n \nsep<br>30,\n \n<br>\n 2021\n \n                          | \n \njun<br>30,\n \n<br>\n 2021\n \n                | \n \nMar<br>31,\n \n<br>\n 2021\n \n                          | \n \nDec<br>31,\n \n<br>\n 2020\n \n                                    | \n \nsep<br>30,\n \n<br>\n 2021\n \n            | \n \nDec<br>31,\n \n<br>\n 2020\n \n   | \n \n 2021\n \n \n                       | \n \n 2020\n \n \n                       | \n \n s<br>Change\n \n         |
| $n \in \mathbb{N}$ \n Balance, beginning of period\n \n                                  | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\  | \n \n \n \n \n \n \n \n\n \n\n                                | \n \n \n \n \n \n \n\n\n                            | \n \n \n<br>19,713\n<br>\n\n                                  | \n \n \n \n \n \n \n \n\n   | \n \n \n \n \n \n \n\n\n\n                      | \n \n \n \n \n \n \n \n\n              | \n \ | \n \ | \n \n<br>9,257\n<br>\n\n       |
| $n \in \mathbb{N}$ \n Cumulative effect fron change in accounting policies (1)\n \n      | \n\n\n  | \n \n \n<br>ae"\n \n\n  | \n \n \n<br>ae"\n \n\n                              | \n \n \n<br>ae"\n \n\n  | \n \n \n<br>ae"\n \n\n  | \n \n \n<br>ae"\n \n\n                          | \n \n \n<br>ae~\n \n\n                 | \n \n<br>ae"\n \n \n<br>\n \n\n          | \n \n \n \n \n \n\n                      | \n<br>1,337\n<br>\n\n          |
| $n \in \mathbb{N}$ in Allowance for purchased credit-deteriorated (PCD) loans (2) in $n$ | \n \n<br>âe"\n \n \n<br>\n \n\n   | \n ∖n \n<br>å€″∖n \n\n  | \n \n \n<br>ꀔ\n \n\n                                | \n \n \n<br>ae"\n \n\n  | \n ∖n \n<br>â€″\n <b>\n\n</b>   | \n  | \n ∖n \n<br>à€″∖n \n\n                 | \n \n<br>âe"\n \n \n<br>\n \n\n          | \n <sub>\n 8\n</sub> \n \n \n\n          | \n \n<br>(8)\n \n\n            |
| $n \in \mathbb{R}$ \n Balance, beginning of period, adjusted\n $n$                       | \n \n<br>14,705\n \n<br>\n \n \n\n  | $n \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$                     | $n_{18,043 \mid n} n \ n$                           | $n_{19,713\backslash n} n \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | $n_{n} \leq 20.471 \leq n$  | $n \mid n \mid n $ $(1,686) \mid n \mid n $     | $n \mid n$ (5,766)\n $n \mid n$        | \n \n<br>19,713\n \n<br>\n \n \n\n       | $n_{\text{127}} n \ n \ n$               | \n \n<br>10,586\n<br>\n\n      |
| $n \in \mathbb{N}$ \n Provision for credit losses\n $n$                                  | $n \mid n \mid n$   | $n \mid n \mid n$ (1,387)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | $n \mid n $ $n $ $n $ $n $ $n $                     | $n \mid n \mid n $ $n \mid n $ $n \mid n $                    | $n \mid n \mid$ | \n \n \n<br><sub>923\n</sub> \n\n               | $n \mid n$ (320)\n $n \mid n$          | \n \n<br>(4,207)\n \n<br>\n\n            | $n \mid n$ 14,005\n $n \mid n$           | \n \n<br>(18,212)\n<br>\n\n    |
| $n \in \mathbb{N}$ \n Interest income on certain loans (3)\n $n$                         | \n \n \n<br>(33)\n \n\n   | \n \n \n<br>(35)\n \n\n                                       | \n \n \n \n   | $n \in \mathbb{N} \setminus n$                                | $\frac{n \ln n}{n \ln n}$   | $n \leq n \leq n$                               | \n <sub>\n 3\n</sub> \n \n \n\n        | \n \n \n<br>(145)\n \n\n                 | \n<br>(153)\n<br>\n\n                    | \n <sub>\n 8\n</sub><br>\n\n   |
| $n \in \mathbb{N}$ \n Net loan charge-offs:\r  | `\n \n  | \n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n                                  | \n \n                                    | \n \n                                    | \n                             |
| \n \n Commercial:\n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n                                  | \n \n                                    | \n \n                                    | \n                             |
| $ackslash n$ \n Commercial and industrial\n $ackslash n$                                 | \n \n (3)\n \n \n \n  | $n \in \mathbb{N}$ (46)\n $n \in \mathbb{N}$                  | $n \in \mathbb{N} \setminus n$                      | $n \ n \ n$   | \n \n \n \n \n \n \n \n \n  | $n \ n \ n$                                     | \n \n \n<br>108\n \n\n                 | \n \n \n<br>(218)\n \n\n                 | \n \n<br>(1,239)\n \n<br>\n\n            | \n \n<br>1,021\n<br>\n\n       |
| \n \n Real estate<br>mortgage\n \n   | \n \n \n<br>(22)\n \n\n   | \n \n \n<br>10\n \n\n   | \n \n 5\n \n \n \n\n                                | \n \n \n<br>(46)\n \n\n                                       | \n \n<br>(162)\n \n<br>\n\n   | \n \n \n<br>(32)\n \n\n                         | \n \n \n<br>140\n \n\n                 | \n \n \n<br>(53)\n \n\n                  | \n \n<br>(283)\n \n<br>\n\n              | \n \n<br>230\n \n\n            |
| $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $   | \n \n<br>ae"\n \n \n<br>\n \n\n   | \n \n \n (1)\n \n\n   | \n \n 1\n \n \n \n\n                                | \n \n \n<br>—\n \n\n  | \n \n \n<br>â€"\n \n\n  | \n \n 1\n \n \ | \n \n \n<br>á€~\n \n\n                 | \n \n<br>âe"\n \n \n<br>\n \n\n          | \n \n \n<br>19\n \n\n                    | \n \n<br>(19)\n \n\n           |
| $n \in \mathbb{N}$ \n Lease financing\   | n \n \n (3)\n<br>\n\n \n  | $n_{n} n n$   | \n \n \n \n \n \n \n                                | \n \n \n \n \n (15)\n \n\n \n                                 | \n \n<br>(35)\n \n\n  | $n_{n} n$                                       | \n \n<br>32\n \n\n \                   | \n \n<br>(24)\n \n\n                     | $n_{n} (n)$                              | 63/n <b>\</b> n \n             |
| \n \n Total<br>commercial\n \n   | \n \n \n<br>(28)\n \n\n   | $n_{n} n n$   | \n \n \n<br>(80)\n \n\n                             | $\frac{\binom{n}{n}}{\binom{n}{n}}$ $\binom{n}{n}$            | \n \n \n \n \n \n   | $n_{n} n n$                                     | \n \n \n \n 280\n \n\n                 | \n \n \n (295)\n \n\n                    | \n \n \n \n \n \n \n                     | \n \n<br>1,295\n<br>\n\n       |
| \n \n Consumer:\n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n                                  | \n \n                                    | \n \n                                    | \n                             |
| \n \n Residential<br>mortgage â€" first lien\r<br>\n                                     | \n \n \n \n (110)\n \n\n  | $n \ n \ n$   | n / n / n 19/n $n / n$                              | \n \n \n<br><sub>24\n</sub> \n\n                              | $n \stackrel{\text{\ \ }}{}_{n} \stackrel{\text{\ \ }}{}_{n} $          | \n \n<br>(124)\n \n<br>\n\n                     | \n \n<br>(113)\n \n<br>\n\n            | \n \n \n<br>(53)\n \n\n                  | \n <sub>\n 5\n</sub> \n \n\n             | \n \n<br>(58)\n \n\n           |
| $n \in \mathbb{R}$ \n Residential mortgage $e^{\omega}$ junior lien\n $n$                | \n <sub>\n (8)\n</sub> \n \n \n\n   | \n \n \n<br><sub>28\n</sub> \n\n                              | \n \n \n<br>31\n \n\n                               | \n \n \n<br>19\n\n\n  | \n \n \n 24\n \n\n  | \n \n \n<br>(36)\n \n\n                         | \n \n \n<br>(32)\n \n\n                | \n \n<br>70\n \n \n \n<br>\n\n           | \n \n \n<br>55\n \n\n                    | \n \n<br>15\n \n\n             |
| \n \n Credit card\n \r   | \n \n \n<br>1 (150)\n \n\n  | \n \n<br>(158)\n \n<br>\n\n                                   | \n \n<br>(256)\n \n<br>\n\n                         | \n \n<br>(236)\n \n<br>\n\n                                   | \n \n<br>(190)\n \n<br>\n\n   | $n \approx n $                                  | $n \ln n$                              | \n \n \n<br>(800)\n \n\n                 | \n \n<br>(1,139)\n \n<br>\n\n            | \n <sub>\n</sub><br>339\n \n\n |
| $n \in \mathbb{N}$   | \n \n \n<br>(58)\n \n\n   | \n \n \n<br>(26)\n \n\n                                       | \n \n \n<br>(45)\n \n\n                             | \n \n \n<br>(52)\n \n\n                                       | \n \n \n<br>(51)\n \n\n   | \n \n \n<br>(32)\n \n\n                         | \n \n \n<br>(7)\n \n\n                 | \n \n \n<br>(181)\n \n\n                 | \n \n<br>(270)\n \n<br>\n\n              | \n <sub>\n</sub><br>89\n \n\n  |
| $n \in \mathbb{N}$ (n Other consumer) $n$  | \n \n \n<br>(67)\n \n\n   | $n \in \mathbb{N}$ (79)\n \n \n                               | $n \in n \setminus n$                               | \n \n<br>(119)\n \n<br>\n\n                                   | $n \ln n$   | $n \mid n \mid n$                               | $n \ln n \ln n$                        | \n \n \n (315)\n \n\n                    | \n \n \n \n \n \n \n                     | \n \n<br>35\n \n\n             |
| \n \n Total<br>consumer\n \n   | n/n / n   | \n \n<br>(221)\n \n<br>\n\n                                   | \n \n<br>(301)\n \n<br>\n\n                         | \n \n<br>(364)\n \n<br>\n\n                                   | \n \n<br>(276)\n \n<br>\n\n   | \n \n<br>(172)\n \n<br>\n\n                     | \n \n<br>(117)\n \n<br>\n\n            | \n \n<br>(1,279)\n \n<br>\n\n            | \n \n<br>(1,699)\n \n<br>\n\n            | \n \n<br>420\n \n\n            |
| $n \in \mathbb{N}$ \n Net loan charge-offs\n $n$   | \n \n \n<br>(421)\n \n\n  | \n \n<br>(259)\n \n<br>\n\n                                   | \n \n \n \n \n \n \n \n                             | \n \n<br>(513)\n \n<br>\n\n                                   | \n \n (584)\n \n \n \n  | \n \n<br>(162)\n \n<br>\n\n                     | \n \n \n<br>163\n \n\n                 | \n \n<br>(1,574)\n \n<br>\n\n            | \n \n<br>(3,289)\n \n<br>\n\n            | \n \n<br>1,715\n<br>\n\n       |
| \n \n Other\n \n   | \n \n 1\n \n \n \n \n   | \n \n \n \n \n \n \n  | \n \n 4\n \n \n \n                                  | \n \n \n \n \n  | \n \n 6\n \n\n  | \n \n 6\n \n\n                                  | $n \mid n \mid n$                      | \n \n 1\n<br>\n \n\n\n\n                 | \n \n<br><sub>23\n</sub> \n\n            | \n \n<br>(22)\n \n\n           |
| $ackslash n$ \n Balance, end of period\n $ackslash n$                                    | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\  | \n \n \n<br>14,705\n \n<br>\n\n                               | \n \n \n<br>16,391\n<br>\n\n                        | \n \n \n<br>18,043\n \n<br>\n\n                               | \n \n \n \n \n \n \n \n   | \n \n \n (917)\n \n \n                          | \n          | \n \n \n<br>\n \n \n\n                   | \n            | \n \n<br>(5,925)\n<br>\n\n     |
| \n \n Components:\n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n   | \n \n                                  | \n \n                                    | \n \n                                    | \n                             |
| $n \in \mathbb{N}$ in Allowance for loan losses in $n$                                   | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\  | \n \n \n \n \n \n \n\n  | \n                    | \n \n \n \n \n \n \n \n \n                                    | \n \n \n<br>18,516\n \n<br>\n\n   | $n \mid n \mid n $ $n \mid n $ $n \mid n $      | \n \n \n (6,026)\n \n\n                | \n \ | \n \n \n<br>18,516\n \n<br>\n\n          | \n \n<br>(6,026)\n<br>\n\n     |
| $n \in \mathbb{N}$ \n Allowance for unfunded credit commitments\n \n                     | \n \n<br>1,298\n \n \n<br>\n \n\n   | \n \n<br>1,188\n \n<br>\n\n                                   | $n \mid n \mid n $ $1,243 \mid n \mid n$ $n \mid n$ | $n \mid n \mid n $ $1,115 \mid n $ $n \mid n$                 | \n \n<br>1,197\n \n<br>\n\n   | \n \n \n<br>110\n \n\n                          | \n \n \n<br>101\n \n\n                 | \n \n \n<br>1,298\n \n<br>\n \n \n\n     | \n \n \n \n \n \n \n \n \n               | \n \n<br>101\n \n\n            |
| \n \n Allowance for credit losses for loans\n  | $\begin{array}{c c} & n & n \\ n_{13,788 \mid n} & n \\ & n & n \\ & n & n \end{array}$ | \n \n \n<br>14,705\n<br>\n\n                                  | \n \n \n<br>16,391\n \n<br>\n\n                     | \n \n<br>18,043\n \n<br>\n\n                                  | \n \n \n<br>19,713\n \n<br>\n\n   | \n \n \n \n \n \n \n\n                          | \n \n \n<br>(5,925)\n<br>\n\n          | \n \n \n<br>13,788\n<br>\n \n \n\n       | \n \n \n<br>19,713\n \n<br>\n\n          | \n \n<br>(5,925)\n<br>\n\n     |

| $n \in \mathbb{N}$ (n Ratio of allowance for loan losses to total net loan charge-offs (annualized)(n) | \n \n \n<br>7.49x\n \n                     | \n \n 13.14\n \n \n     | \n \n 9.93\n \n \n \n   | $n \le 13 \ln n $       | \n \n 7.97\n \n \n      | \n | \n | \n | \n | \n \n 7.94\n \n \n               | \n \n 5.63\n \n \n      | \n |
|--|--|-------------------------|-------------------------|-------------------------|-------------------------|----|----|----|----|----------------------------------|-------------------------|----|
| $n \in \mathbb{N}$ \n Allowance for loan losses as a percentage of:\n                                  | \n \n                                      | \n \n                   | \n \n                   | \n \n                   | \n \n                   | \n | \n | \n | \n | \n \n                            | \n \n                   | \n |
| $n \in \mathbb{N}$ \n Total loans\n  | \n\n\n<br>n\ <sub>m</sub> \n\n\n<br>\n\n\n | \n \n \n<br>1.57\n \n\n | \n \n \n<br>1.78\n \n\n | \n \n \n<br>1.96\n \n\n | \n \n \n<br>2.09\n \n\n | \n | \n | \n | \n | \n \n<br>1.39\n \n \n<br>\n \n\n | \n \n \n<br>2.09\n \n\n | \n |
| $\begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$   | \n \n<br>173\n \n \n<br>\n \n\n            | \n \n \n<br>192\n \n\n  | \n \n \n<br>205\n \n\n  | \n \n \n<br>210\n \n\n  | \n \n \n<br>212\n \n\n  | \n | \n | \n | \n | \n \n<br>173\n \n \n<br>\n \n\n  | \n \n \n<br>212\n \n\n  | \n |
| \n \n Allowance for credit<br>osses for loans as a<br>percentage of:\n \n                              | \n \n                                      | \n \n                   | \n \n                   | \n \n                   | \n \n                   | \n | \n | \n | \n | \n \n                            | \n \n                   | \n |
| $n \in \mathbb{N}$   | \n \n<br>1.54\n \n \n<br>\n \n\n           | \n \n \n<br>1.70\n \n\n | \n \n \n<br>1.92\n \n\n | \n \n \n<br>2.09\n \n\n | \n \n \n<br>2.22\n \n\n | \n | \n | \n | \n | \n \n<br>1.54\n\n \n<br>\n\n\n   | \n \n \n<br>2.22\n \n\n | \n |
| $\  \   \   \   \   \   \   \   $  | \n \n<br>191\n \n \n<br>\n \n\n            | \n \n \n<br>208\n \n\n  | \n \n \n<br>222\n \n\n  | \n \n \n<br>224\n \n\n  | \n \n \n<br>226\n \n\n  | \n | \n | \n | \n | \n \n<br>191\n \n \n<br>\n\n\n   | \n \n \n<br>226\n \n\n  | \n |