

Table T3. Distribution and relative abundances of age diagnostic diatoms, Hole 1151A. (See table notes. Continued on next two pages.)

| Core, section | Depth (mbsf) | Diatom zone                        | NPD | Geological age              | Group abundance | Preservation | <i>Actinocyclus oculatus</i> | <i>Crucidentacula nicobarica</i> | <i>Denticulopsis dimorpha</i> | <i>Denticulopsis hyalina</i> | <i>Denticulopsis katayamae</i> | <i>Denticulopsis lauta</i> | <i>Denticulopsis praedimorpha</i> | <i>Denticulopsis praelauta</i> | <i>Denticulopsis simonsenii</i> | <i>Hemidiscus cuneiformis</i> | <i>Ikebea tenuis</i> | <i>Kieselviella carina</i> | <i>Koizumia tatsunokuchiensis</i> | <i>Neodenticula kamtschatica</i> | <i>Neodenticula koizumii</i> | <i>Neodenticula seminiae</i> | <i>Nitzschia fossilis</i> | <i>Nitzschia reinholdii</i> | <i>Nitzschia rolandii</i> | <i>Proboscia barboi</i> | <i>Proboscia curvirostris</i> | <i>Rouxia californica</i> | <i>Thalassionema schraderi</i> |
|---------------|--------------|------------------------------------|-----|-----------------------------|-----------------|--------------|------------------------------|----------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------|-----------------------------------|--------------------------------|---------------------------------|-------------------------------|----------------------|----------------------------|-----------------------------------|----------------------------------|------------------------------|------------------------------|---------------------------|-----------------------------|---------------------------|-------------------------|-------------------------------|---------------------------|--------------------------------|
| 186-1151A-    |              |                                    |     |                             |                 |              |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              |                              |                           |                             |                           |                         |                               |                           |                                |
| 2R-CC         | 82.08        | <i>P. curvirostris</i>             | 11  | middle Pleistocene          | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         | R                             |                           |                                |
| 3R-CC         | 92.50        | <i>P. curvirostris</i>             | 11  | middle Pleistocene          | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  | r                            | R                            |                           |                             |                           |                         | R                             |                           |                                |
| 4R-CC         | 99.51        | <i>A. oculatus</i>                 | 10  | early Pleistocene           | A               | G            | R                            |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           | R                           |                           | R                       |                               | R                         |                                |
| 5R-CC         | 105.90       | <i>A. oculatus</i>                 | 10  | early Pleistocene           | C               | G            | R                            |                                  |                               |                              |                                |                            |                                   |                                |                                 | R                             |                      |                            |                                   |                                  |                              | F                            | R                         | F                           |                           |                         |                               |                           |                                |
| 6R-CC         | 118.07       | <i>N. koizumii</i>                 | 9   | late Pliocene               | A               | G            | R                            |                                  |                               |                              |                                |                            |                                   |                                |                                 | R                             |                      |                            |                                   | r                                | C                            |                              | C                         | T                           | T                         |                         | R                             |                           | R                              |
| 7R-CC         | 126.45       | <i>N. koizumii</i>                 | 9   | late Pliocene               | A               | M            | F                            |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   | r                                | R                            | C                            | F                         | R                           | T                         |                         | F                             |                           | T                              |
| 8R-CC         | 136.78       | <i>N. koizumii</i>                 | 9   | late Pliocene               | A               | G            | R                            |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            | R                         | T                           |                           | R                       |                               |                           |                                |
| 9R-CC         | 147.17       | <i>N. koizumii</i>                 | 9   | late Pliocene               | C               | M            | R                            |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            | R                         | T                           |                           | R                       |                               |                           |                                |
| 10R-CC        | 158.64       | <i>N. koizumii</i>                 | 9   | late Pliocene               | A               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            | F                         | T                           |                           | R                       |                               |                           |                                |
| 11R-CC        | 168.86       | <i>N. koizumii</i>                 | 9   | late Pliocene               | A               | M            | R                            |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | F                            | R                         | T                           |                           | F                       |                               |                           |                                |
| 12R-CC        | 179.96       | <i>N. koizumii-N. kamtschatica</i> | 8   | late Pliocene               | A               | G            | R                            |                                  |                               |                              |                                |                            |                                   |                                |                                 | R                             |                      |                            |                                   |                                  | F                            | C                            | R                         |                             | T                         |                         | R                             |                           |                                |
| 13R-CC        | 187.11       | <i>N. koizumii-N. kamtschatica</i> | 8   | late Pliocene               | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                | r                               |                               |                      |                            |                                   |                                  |                              | R                            | C                         |                             | R                         |                         | R                             |                           |                                |
| 14R-CC        | 199.19       | <i>N. koizumii-N. kamtschatica</i> | 8   | late Pliocene               | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 | F                             |                      |                            |                                   |                                  |                              | F                            | T                         |                             | T                         |                         |                               |                           |                                |
| 15R-CC        | 208.87       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 | R                             |                      |                            |                                   |                                  |                              | R                            |                           |                             |                           |                         |                               |                           |                                |
| 16R-CC        | 218.64       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 | F                             |                      |                            |                                   |                                  |                              | R                            |                           |                             |                           |                         |                               |                           |                                |
| 17R-CC        | 222.75       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | R                            |                           |                             |                           |                         |                               |                           |                                |
| 18R-CC        | 237.89       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | R                            |                           |                             |                           |                         |                               |                           |                                |
| 19R-CC        | 244.96       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | R                            |                           |                             |                           |                         |                               |                           |                                |
| 20R-CC        | 252.50       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 21R-CC        | 266.69       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           | R                           |                           |                         |                               |                           |                                |
| 22R-CC        | 276.14       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   | R                                | A                            |                              | R                         |                             |                           |                         |                               |                           |                                |
| 23R-CC        | 285.05       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           | R                           |                           |                         |                               |                           |                                |
| 24R-CC        | 295.17       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 | R                             |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 25R-CC        | 305.39       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           | T                           | R                         |                         |                               |                           |                                |
| 26R-CC        | 312.54       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             | R                         |                         |                               |                           |                                |
| 27R-CC        | 321.44       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 28R-CC        | 333.38       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 29R-CC        | 344.01       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 30R-CC        | 353.56       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               | F                         |                                |
| 31R-CC        | 360.99       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               | F                         |                                |
| 32R-CC        | 367.05       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               | F                         |                                |
| 33R-CC        | 377.61       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               | R                         |                                |
| 34R-CC        | 388.11       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               | R                         |                                |
| 35R-CC        | 396.01       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | F               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | F                            |                           |                             |                           |                         |                               | R                         |                                |
| 36R-CC        | 406.49       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 37R-CC        | 415.43       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | G            |                              |                                  |                               |                              |                                |                            | r                                 |                                | r                               |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             | T                         | T                       |                               |                           |                                |
| 38R-CC        | 426.21       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | M            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           | R                       | R                             |                           |                                |
| 39R-CC        | 433.64       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             | R                         |                         |                               |                           |                                |
| 40R-CC        | 445.36       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | F               | M            |                              |                                  |                               | r                            |                                | r                          |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 41R-CC        | 455.01       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | C               | G            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              | C                            |                           |                             |                           |                         |                               |                           |                                |
| 42R-CC        | 464.46       | <i>N. kamtschatica</i>             | 7B  | late Miocene-early Pliocene | A               | M            |                              |                                  |                               |                              | r                              |                            |                                   |                                |                                 |                               |                      |                            |                                   |                                  | A                            |                              |                           |                             | R                         |                         | R                             |                           | T                              |

| Core, section | Depth (mbsf) | Diatom zone            | NPD | Geological age              | Group | Abundance | Preservation | <i>Actinocyclus</i> <i>oculatus</i> | <i>Crucidenticula</i> <i>nicobarica</i> | <i>Denticulopsis</i> <i>dimorpha</i> | <i>Denticulopsis</i> <i>hyalina</i> | <i>Denticulopsis</i> <i>katayamae</i> | <i>Denticulopsis</i> <i>lauta</i> | <i>Denticulopsis</i> <i>praedimorpha</i> | <i>Denticulopsis</i> <i>praelauta</i> | <i>Denticulopsis</i> <i>simonsenii</i> | <i>Hemidiscus</i> <i>cuneiformis</i> | <i>Ikebea</i> <i>tenuis</i> | <i>Kieselviella</i> <i>carina</i> | <i>Koizumia</i> <i>tatsunokuchiensis</i> | <i>Neodenticula</i> <i>kamtschatica</i> | <i>Neodenticula</i> <i>koizumii</i> | <i>Neodenticula</i> <i>seminae</i> | <i>Nitzschia</i> <i>fossilis</i> | <i>Nitzschia</i> <i>reinholdii</i> | <i>Nitzschia</i> <i>rolandii</i> | <i>Proboscia</i> <i>barboi</i> | <i>Proboscia</i> <i>curvirostris</i> | <i>Rouxia</i> <i>californica</i> | <i>Thalassionema</i> <i>schraderi</i> |
|---------------|--------------|------------------------|-----|-----------------------------|-------|-----------|--------------|-------------------------------------|-----------------------------------------|--------------------------------------|-------------------------------------|---------------------------------------|-----------------------------------|------------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------|----------------------------------|------------------------------------|----------------------------------|--------------------------------|--------------------------------------|----------------------------------|---------------------------------------|
| 43R-CC        | 473.30       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  |                                    | R                                | R                              |                                      | T                                |                                       |
| 44R-CC        | 487.25       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | G         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  |                                    |                                  | R                              |                                      |                                  |                                       |
| 45R-CC        | 492.21       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              | r                                   |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | A                                        |                                         |                                     |                                    |                                  |                                    |                                  | R                              |                                      |                                  |                                       |
| 46R-CC        | 505.75       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  |                                    |                                  | R                              |                                      | T                                |                                       |
| 47R-CC        | 516.13       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | A                                        |                                         |                                     |                                    |                                  |                                    |                                  | R                              |                                      | T                                |                                       |
| 48R-CC        | 524.49       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | M         |              | r                                   |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             | R                                 | F                                        |                                         |                                     |                                    |                                  | R                                  | F                                |                                | T                                    |                                  |                                       |
| 49R-CC        | 533.52       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              |                                     |                                         | r                                    |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             | R                                 | C                                        |                                         |                                     |                                    |                                  |                                    |                                  | R                              |                                      | T                                |                                       |
| 50R-CC        | 541.94       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      | T                           |                                   | C                                        |                                         |                                     |                                    |                                  |                                    |                                  | R                              |                                      | T                                |                                       |
| 51R-CC        | 554.63       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          | r                                     |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  |                                    |                                  |                                |                                      | T                                |                                       |
| 52R-CC        | 563.99       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | F                                        |                                         |                                     |                                    |                                  |                                    |                                  |                                |                                      | R                                |                                       |
| 53R-CC        | 573.28       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  | R                                  |                                  | R                              |                                      |                                  |                                       |
| 54R-CC        | 582.76       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  |                                    |                                  |                                |                                      | R                                |                                       |
| 55R-CC        | 584.38       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | A     | G         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  | R                                  |                                  |                                |                                      |                                  |                                       |
| 56R-CC        | 596.47       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | C                                        |                                         |                                     |                                    |                                  |                                    |                                  |                                | R                                    |                                  |                                       |
| 57R-CC        | 609.84       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        | R                                    |                             |                                   | C                                        |                                         |                                     |                                    |                                  |                                    | R                                |                                |                                      |                                  |                                       |
| 58R-CC        | 622.95       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        | R                                    |                             | T                                 | R                                        |                                         |                                     |                                    |                                  |                                    | R                                |                                | T                                    |                                  |                                       |
| 59R-CC        | 631.34       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | G         |              |                                     |                                         | r                                    |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             | R                                 | R                                        |                                         |                                     |                                    |                                  |                                    |                                  |                                | R                                    |                                  |                                       |
| 60R-CC        | 640.76       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             | T                                 | R                                        |                                         |                                     |                                    |                                  |                                    |                                  |                                |                                      |                                  |                                       |
| 61R-CC        | 649.03       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | C     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             | R                                 | R                                        |                                         |                                     |                                    |                                  |                                    |                                  |                                |                                      |                                  |                                       |
| 62R-CC        | 652.80       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | F     | M         |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          | r                                     |                                        |                                      |                             |                                   | R                                        |                                         |                                     |                                    |                                  | T                                  |                                  |                                | R                                    |                                  |                                       |
| 63R-CC        | 664.31       | <i>N. kamtschatica</i> | 7B  | late Miocene–early Pliocene | F     | M         |              |                                     |                                         | r                                    |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   | R                                        |                                         |                                     |                                    |                                  | R                                  |                                  |                                | F                                    |                                  |                                       |
| 65R-CC        | 688.40       | <i>N. kamtschatica</i> |     |                             |       |           |              |                                     |                                         |                                      |                                     |                                       |                                   |                                          |                                       |                                        |                                      |                             |                                   |                                          |                                         |                                     |                                    |                                  |                                    |                                  |                                |                                      |                                  |                                       |

Table T3 (continued).

| Core, section | Depth (mbsf) | Diatom zone                | NPD | Geological age | Group abundance | Preservation | <i>Actinocyclus oculatus</i> | <i>Crucidentacula nicobarica</i> | <i>Denticulopsis dimorpha</i> | <i>Denticulopsis hyalina</i> | <i>Denticulopsis katayamae</i> | <i>Denticulopsis lauta</i> | <i>Denticulopsis praedimorpha</i> | <i>Denticulopsis praelauta</i> | <i>Denticulopsis simonsenii</i> | <i>Hemidiscus cuneiformis</i> | <i>Ikebea tenuis</i> | <i>Kieselviella carina</i> | <i>Koizumia tatsunokuchiensis</i> | <i>Neodenticula kamtschatica</i> | <i>Neodenticula koizumii</i> | <i>Neodenticula seminae</i> | <i>Nitzschia fossilis</i> | <i>Nitzschia reinholdii</i> | <i>Nitzschia rolandii</i> | <i>Proboscia barboi</i> | <i>Proboscia curvirostris</i> | <i>Rouxia californica</i> | <i>Thalassionema schraderi</i> |   |
|---------------|--------------|----------------------------|-----|----------------|-----------------|--------------|------------------------------|----------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------|-----------------------------------|--------------------------------|---------------------------------|-------------------------------|----------------------|----------------------------|-----------------------------------|----------------------------------|------------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|-------------------------|-------------------------------|---------------------------|--------------------------------|---|
| 88R-CC        | 911.06       | <i>T. schraderi</i>        | 6B  | late Miocene   | C               | P            |                              |                                  |                               |                              |                                |                            |                                   |                                | T                               |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               | R                         | C                              |   |
| 89R-CC        | 920.99       | <i>T. schraderi</i>        | 6B  | late Miocene   | C               | P            |                              |                                  |                               |                              |                                |                            |                                   |                                | T                               |                               |                      |                            |                                   |                                  |                              | R                           |                           |                             |                           |                         |                               |                           | R                              | F |
| 90R-CC        | 926.10       | <i>T. schraderi</i>        | 6B  | late Miocene   | C               | P            |                              |                                  | r                             |                              |                                |                            |                                   |                                | T                               |                               | R                    |                            | T                                 |                                  |                              |                             |                           |                             |                           |                         |                               | T                         | R                              |   |
| 91R-CC        | 939.54       | <i>D. dimorpha</i>         | 5D  | late Miocene   | C               | M            |                              |                                  | R                             |                              |                                |                            |                                   |                                | R                               | R                             |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           | R                              | R |
| 92R-CC        | 948.09       | <i>D. dimorpha</i>         | 5D  | late Miocene   | C               | G            |                              |                                  | F                             |                              |                                |                            |                                   |                                | F                               |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           | R                              | R |
| 93R-CC        | 953.73       | <i>D. dimorpha</i>         | 5D  | late Miocene   | A               | M            |                              |                                  | F                             |                              | T                              |                            |                                   |                                | C                               | R                             |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                | R |
| 94R-CC        | 962.76       | <i>D. dimorpha</i>         | 5D  | late Miocene   | C               | M            |                              |                                  | F                             |                              |                                |                            |                                   |                                | F                               |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 95R-CC        | 970.00       | <i>D. dimorpha</i>         | 5D  | late Miocene   | A               | G            |                              |                                  | F                             |                              |                                |                            |                                   |                                | F                               |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 99R-CC        | 1009.53      | <i>Thalassiosira yabei</i> | 5C  | late Miocene   | F               | P            |                              |                                  |                               |                              |                                |                            |                                   |                                | F                               |                               | T                    |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 101R-CC       | 1028.78      | <i>D. hyalina</i>          | 4Ba | middle Miocene | C               | P            |                              | F                                |                               | F                            |                                | R                          |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 102R-CC       | 1039.51      | <i>D. hyalina</i>          | 4Ba | middle Miocene | C               | P            |                              | R                                |                               | F                            |                                | R                          |                                   |                                |                                 |                               |                      | R                          |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 103R-CC       | 1048.85      | <i>D. hyalina</i>          | 4Ba | middle Miocene | F               | M            |                              |                                  |                               | F                            |                                | R                          |                                   |                                |                                 |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 104R-CC       | 1061.21      | <i>D. lauta</i>            | 4A  | middle Miocene | C               | P            |                              | R                                |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            | r                                 |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 105R-CC       | 1074.44      | <i>D. lauta</i>            | 4A  | middle Miocene | C               | M            |                              | R                                |                               |                              |                                | R                          |                                   | r                              |                                 |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         | R                             |                           |                                |   |
| 106R-CC       | 1083.11      | <i>D. lauta</i>            | 4A  | middle Miocene | F               | P            |                              |                                  |                               |                              |                                |                            |                                   |                                |                                 |                               |                      |                            | r                                 |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 107R-CC       | 1093.97      | <i>D. lauta</i>            | 4A  | middle Miocene | F               | M            |                              |                                  |                               |                              |                                | R                          |                                   | R                              |                                 |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 108R-CC       | 1104.08      | <i>D. praelauta</i>        | 3B  | middle Miocene | F               | M            |                              |                                  |                               |                              |                                |                            |                                   | F                              |                                 |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |
| 109R-CC       | 1113.46      | <i>D. praelauta</i>        | 3B  | middle Miocene | F               | P            |                              |                                  |                               |                              |                                |                            |                                   | R                              |                                 |                               |                      |                            |                                   |                                  |                              |                             |                           |                             |                           |                         |                               |                           |                                |   |

Notes: NPD = North Pacific Diatom zones. Abundance: A = abundant, C = common, F = few, R = rare, T = trace, r = reworked. Preservation: G = good, M = moderate, P = poor.