Anhang 1: Elektronischer Anhang

Sequenzalignment aller drei Chloroplastenregionen kombiniert. Reihenfolge: *atp*B-*rbc*L, *psb*B-*psb*H, *rps*16-Intron. Oberhalb der Sequenzen sind die Positionsnummern angegeben. Am Ende der jeweiligen Loci sind die Indels in einer 0/1-Matrix kodiert angefügt. Die Positionen der Indels und ihre Länge, sowie die Position der jeweiligen Kodierung sind in Tab. 21 im Anhang 13 aufgelistet. Die Legende zur Probenbenennung befindet sich im Anhang 1 in Tab. 20.

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           0000000000000000000000000000000000000000000000000000000000000000000000
           0000000001111111111222222222233333333334444444444555555555566666666667
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
107bFelat  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
10aFrexia  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
117aFgrac  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
118aFchiq  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
120aFchiq  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
121aFpeti  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
129aFbati  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
12aFnowic  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
132aFmicr  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
133aFmicr  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
135bFschi  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
136bFvill  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
137bFrusb  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
138bFwebe  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
139bFwind  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
13aFcotac  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
140bFyuvi  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
141bFrusb  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
142bFcaul  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
143aFgram  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
144aFspec  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
145aFwedd  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
18eFlatif  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
19gFgraci  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
22cFpendu  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
23aFvasqu  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
25fFvillo  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
26aFheter  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
28dFspeci  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
34aFchiqu  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
35aFlatif  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
36aFcotac  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
37aFcotac  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
3aFcaules  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
45cFpendu  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
46dFpendu  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
48dFweber  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
50bFpendu  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
55aFpendu  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
56aFcotac  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
58cFnowic  CAGTTAATTCAATAAGAGATAAATGG-CGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
60aFelata  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
62aFalbic  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
63bFvasqu  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
64aFalbic  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
67dFflori  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
71cFgrami  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
72aFyuvin  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
76dFcotac  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
```

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           000000000000000000000000000000000000000000000000000000000000000000000000
           000000000111111111122222222223333333333444444444455555555556666666667
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
80aFcaule  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
86aFschid  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
87aFspect  CAATTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
93aFspeci  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
94cFalbic  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
95cFweber  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGATTTAGTTGGTATCACCCAACCGAATCCGAT
9dFrexiae  CAGTTAATTCAATAAGAGATAAATGGGCGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
F10aCflor  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F11aHarge  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCAACCAACCGAATCCAAT
F12aBserr  ???????TTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F13aDench  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F14aPundu  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F15aPalbi  CAGTTAATTTAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F16aPgraf  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F17aAgamo  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F18aAorla  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F19aBacum  CAGTTAATTCAATAAGAGATAAATGGGGGATAGCACTCGATTTAGTTGGTACCACCCAGCCGAATCCGAT
F20aDurba  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F21aHsten  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCAACCAACCGAATCCAAT
F22aOeleg  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F23aPcoer  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F24aPvenu  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCTGAT
F25aRpugi  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F26aTfras  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F27aPmacr  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F29aNlaev  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F30aCmorr  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F31aTsomn  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F33aGmusa  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F34aPatro  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F35aPchia  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F36aOcarn  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F38aBping  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F39aDgoer  CAGTTAATTCAATAAGAGATAAATGGAAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F40aDeste  CAGTTAATTCAATAAGAGATAAATGGAAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F41aPmira  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F42aDbrev  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F43aDglan  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F44aDlott  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F45aDscap  CGGTTAATTCAATAAGAGATAAATGGAAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F46aEhori  CAGTTAATTCAATAAGAGATAAATGGAAGATAGCACTCGGTTTAGTTGGTATCACCCAACCGAATCCGAT
F47aPloki  CAGTTAATTTAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F48aPrubr  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F49aElind  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F50aDeste  CAGTTAATTCAATAAGAGATAAATGGAAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F51aDbrev  CGGTTAATTCAATAAGAGATAAATGGAAGATAGCACTCGGTTTAGTTGGTACCACCCAACCGAATCCGAT
F52aPspat  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F53aPherz  CAGTTAATTCAATAAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F7aAuaipe  CAGTTAATTCAATAAGAGATAAATGGGAAATAGCACTCGATTTAGTTGGTACCACCCAGCCGAATCCGAT
F8aGglauc  ?????????????????AGATAAATGGGAAATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
F9aAkerte  CAGTTAATTCCATCAGAGATAAATGGGAGATAGCACTCGATTTAGTTGGTACCACCCAACCGAATCCGAT
```

Fortsetzung (2/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           000000000000000000000000000011111111111111111111111111111111111111111111
           777777777888888888899999999990000000000111111111122222222223333333333334
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
107bFelat  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
10aFrexia  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
117aFgrac  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
118aFchiq  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
120aFchiq  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
121aFpeti  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
129aFbati  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
12aFnowic  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
132aFmicr  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
133aFmicr  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
135bFschi  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
136bFvill  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
137bFrusb  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
138bFwebe  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
139bFwind  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
13aFcotac  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
140bFyuvi  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
141bFrusb  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
142bFcaul  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
143aFgram  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
144aFspec  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
145aFwedd  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
18eFlatif  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
19gFgraci  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
22cFpendu  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
23aFvasqu  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
25fFvillo  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
26aFheter  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
28dFspeci  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
34aFchiqu  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
35aFlatif  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
36aFcotac  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
37aFcotac  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
3aFcaules  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
45cFpendu  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
46dFpendu  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
48dFweber  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
50bFpendu  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
55aFpendu  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
56aFcotac  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
58cFnowic  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
60aFelata  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
62aFalbic  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
63bFvasqu  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
64aFalbic  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
67dFflori  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
71cFgrami  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
72aFyuvin  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
76dFcotac  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----TCAAGTAGA--------
80aFcaule  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
86aFschid  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
87aFspect  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
93aFspeci  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAATAGA--------
94cFalbic  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
95cFweber  TCAATCGTTTACTCATTCAATGAGTCAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
9dFrexiae  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F10aCflor  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGTCAATTT-----GCAAGTAGA--------
F11aHarge  TCAATCGTTTACTCATTG--------------CAAGTTCAGCCAATTT-----GCAAGTAGA--------
F12aBserr  TCAATCGTTTACTCATTGAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F13aDench  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTTAAATTGCAAGTAGA--------
F14aPundu  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F15aPalbi  TCAATCGTTTACTCATTCAATGAGTAAATTTTAAAGTTCAGCCAATTT-----GCAAGTAGA--------
```

Fortsetzung (2/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           000000000000000000000000000011111111111111111111111111111111111111111111
           777777777888888888899999999990000000000111111111122222222223333333333334
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F17aAgamo  TCACTCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F18aAorla  TCACTCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F19aBacum  TCAATCGTTTACTCATTCAATCAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F20aDurba  TCAATCGTTTACTCATTCAATGAGTAAATTTTTAAGTTCAGCCAATTT-----GCAAGTAGA--------
F21aHsten  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F22aOeleg  TCAATCGTTTACTCATTCAATGAGTAAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F23aPcoer  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F24aPvenu  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F25aRpugi  TCAATCGTTTACTCAT------AGTAAATTTTCAAGTTCAGCCAATTTTT--------------------
F26aTfras  TCAATCGTTTACTCA--G----AGTAAATTTTCAAGTTCAGCCAATTTTT--------------------
F27aPmacr  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F29aNlaev  TCACTCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F30aCmorr  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGTCAATTT-----GCAAGTAGA--------
F31aTsomn  TCAATCGTTTACTCATTCAATGAGTAAATTTTAAAGTTCAGCCAAT------------------------
F33aGmusa  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAAA--------
F34aPatro  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F35aPchia  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F36aOcarn  TCAATCGTTTACTCATTCAATGAGTAAATTTGCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F38aBping  TCAATCGTTTACTCATTGAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F39aDgoer  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTTAAATTGCAAGTAGA--------
F40aDeste  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTTAAATTGCAAGTAGA--------
F41aPmira  TCAATCGTTTACTCATTGAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGACAAGTAGA
F42aDbrev  TCAATCGTTTACTCATTGAATGAGTAAATTTTCAAGTTCAACCAATTT-----GCAAGTAGA--------
F43aDglan  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F44aDlott  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F45aDscap  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTTAAATTGCAAGTAGA--------
F46aEhori  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTTAAATTGCAAGTAGA--------
F47aPloki  TCAATCGTTTACTCATTCAATGAGTAAATTTTAAAGTTCAGCCAATTT-----GCAAGTAGA--------
F48aPrubr  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F49aElind  TCACTCGTTTACTCATTGAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGA--------
F50aDeste  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTTAAATTGCAAGTAGA--------
F51aDbrev  TCAATCGTTTACTCATTGAATGAGTCAATTTTCAAGTTCAGCCAATTTAAATTGCAAGTAGA--------
F52aPspat  TCAATCGTTTACTCATTGAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAGACAAGTAGA
F53aPherz  TCAATCGTTTACTCATTGAATGAGTAAATTTTCAAGTTCMGCCAATTT-----GCAAGTAGACAAGTAGA
F7aAuaipe  TCAATCGTTTACTCATTCAATCAGTCAATTTTAAAGTTCAGCCAATTT-----GCAAGTAGA--------
F8aGglauc  TCAATCGTTTACTCATTCAATGAGTAAATTTTCAAGTTCAGCCAATTT-----GCAAGTAAA--------
F9aAkerte  TCAATCGTTTACTCATTCAATGAGTCAATTTTCAAGTTCAGTCAATTT-----GCAAGTAGA--------
```

Fortsetzung (3/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000000
           1111111111111111111111111111111111111111111111111111111111111122222222222
           4444444445555555555666666666677777777778888888888999999999900000000001
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TGAAATCGTGAAAAAATGTGTTTCATTTCTCTATCATTATAGAAAA------------------------
107bFelat  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
10aFrexia  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
117aFgrac  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
118aFchiq  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
120aFchiq  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
121aFpeti  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
129aFbati  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
12aFnowic  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
132aFmicr  TGAAATCGTGAAAAAATGTGTTTCATTTCTCTATCATTATAGAAAA-------------------------
133aFmicr  TGAAATCGTGAAAAAATGTGTTTCATTTCTCTATCATTATAGAAAA-------------------------
135bFschi  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
136bFvill  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
137bFrusb  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
138bFwebe  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
139bFwind  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
13aFcotac  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
140bFyuvi  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
141bFrusb  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
142bFcaul  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
143aFgram  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
144aFspec  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
145aFwedd  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
18eFlatif  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------CTATTA
19gFgraci  TGAAATCGTGAATAAATGTGTTCCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
22cFpendu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
23aFvasqu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
25fFvillo  TGAAATCGTGAAAAAATGTGTTTCATTTCTCTATCATTATAGAAAA-------------------------
26aFheter  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
28dFspeci  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
34aFchiqu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
35aFlatif  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
36aFcotac  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
37aFcotac  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
3aFcaules  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
45cFpendu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
46dFpendu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
48dFweber  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
50bFpendu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
55aFpendu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
56aFcotac  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
58cFnowic  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
60aFelata  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
62aFalbic  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
63bFvasqu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
64aFalbic  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
67dFflori  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
71cFgrami  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
72aFyuvin  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
76dFcotac  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
80aFcaule  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
86aFschid  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
87aFspect  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATGGGATCC----------ATATTA
93aFspeci  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
94cFalbic  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
95cFweber  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
9dFrexiae  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAGGATCC----------ATATTA
F10aCflor  TGAAATCGTGAATAAATGTGTTTTATTTCTCTATCATTATAGAAAATAAGATACA-----TATTATATTA
F11aHarge  TGAAATCGTAAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F12aBserr  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F13aDench  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F14aPundu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F15aPalbi  TAAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCC----------ATATTA
```

Fortsetzung (3/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           111111111111111111111111111111111111111111111111111111111111122222222222
           444444444555555555556666666666677777777778888888888999999999900000000001
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F17aAgamo  TTAAATCGTGAATAAATGTGTTTCATTTCTATATCATTATATAAAAAAAGATCCA-----TATTATATTA
F18aAorla  TGAAATCGTGAATAAATGTGTTTCATTTCTATATCATTATATAAAAAAAGATCCAATTCATATTATATTA
F19aBacum  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCC-----TATTATATTA
F20aDurba  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F21aHsten  TGAAATCGTAAATAAATGTGTTTCATTTCTCTACCATTATAGAAAATAAGATCCA-----TATTATATTA
F22aOeleg  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F23aPcoer  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATC-A-----TATTATATTA
F24aPvenu  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATC-A-----TATTATATTA
F25aRpugi  ---------------------------------------------------------------------
F26aTfras  ---------------------------------------------------------------------
F27aPmacr  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCC-----TATTATATTA
F29aNlaev  TGAAATCGTGAATAAATGTGTTTCATTTCTATATCATTATATAAAAAAAGATCCA-----TATTATATTA
F30aCmorr  TGAAATCGTGAATAAATGTGTTTTATTTCTCTATCATTATAGAAAATAAGATACA-----TATTATATTA
F31aTsomn  ---------------------------------------------------------------------
F33aGmusa  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAAAAGGATCCA-----TATTATATTA
F34aPatro  TGAAATCGTGAATAAAAGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F35aPchia  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F36aOcarn  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F38aBping  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F39aDgoer  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F40aDeste  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F41aPmira  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F42aDbrev  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F43aDglan  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F44aDlott  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F45aDscap  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F46aEhori  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F47aPloki  TAAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCC----------ATATTA
F48aPrubr  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F49aElind  TGAAATCGCGAATAAATGTGTTTCATTTCTATATCATTATATAAAAAAAGATCCA-----TATTATATTA
F50aDeste  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F51aDbrev  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCA-----TATTATATTA
F52aPspat  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F53aPherz  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATATAAAATAAGATCCA-----TATTATATTA
F7aAuaipe  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAATAAGATCCC-----TATTATATTA
F8aGglauc  TGAAATCGTGAATAAATGTGTTTCATTTCTCTATCATTATAGAAAAAAAGATCCA-----TATTATATTA
F9aAkerte  TGAAATCGTGAATAAATGTGTTTTATTTCTCTATCATTATAGAAAATCAGATACA-----TATTATATTA
```

Fortsetzung (4/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           2222222222222222222222222222222222222222222222222222222222222222222222
           1111111112222222222333333333344444444445555555555666666666677777777778
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  ------------------------------------------------------------------
107bFelat  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
10aFrexia  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
117aFgrac  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
118aFchiq  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
120aFchiq  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
121aFpeti  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
129aFbati  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
12aFnowic  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
132aFmicr  ------------------------------------------------------------------
133aFmicr  ------------------------------------------------------------------
135bFschi  CTTATGGAATTCGAACCCGAACTCGATTTTTGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
136bFvill  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
137bFrusb  CTTATGGAATTCGAACCCGAACTCGATTTTTGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
138bFwebe  CTTATGGAATTCGAACCCGAACTCGATTTTTGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
139bFwind  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
13aFcotac  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
140bFyuvi  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
141bFrusb  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
142bFcaul  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
143aFgram  CTTATGGAATTCGAACCCGAACTCGATTTTTGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
144aFspec  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
145aFwedd  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
18eFlatif  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
19gFgraci  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
22cFpendu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
23aFvasqu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
25fFvillo  ------------------------------------------------------------------
26aFheter  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----ATATTGGCCTTTGTTCT
28dFspeci  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
34aFchiqu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
35aFlatif  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
36aFcotac  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
37aFcotac  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
3aFcaules  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
45cFpendu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
46dFpendu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
48dFweber  CTTATGGAATTCGAACCCGAACTCGATTTTTGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
50bFpendu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
55aFpendu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
56aFcotac  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
58cFnowic  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
60aFelata  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
62aFalbic  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
63bFvasqu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
64aFalbic  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
67dFflori  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
71cFgrami  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
72aFyuvin  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
76dFcotac  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGCTCT
80aFcaule  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
86aFschid  CTTATGGAATTCGAACCCGAACTCGATTTTTGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
87aFspect  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
93aFspeci  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
94cFalbic  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
95cFweber  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
9dFrexiae  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F10aCflor  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F11aHarge  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F12aBserr  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F13aDench  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F14aPundu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F15aPalbi  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
```

Fortsetzung (4/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           2222222222222222222222222222222222222222222222222222222222222222222222
           1111111112222222222333333333344444444445555555555666666666677777777778
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F17aAgamo  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTGTTTGGATC-----TTATTGGCCTTTGTTCT
F18aAorla  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTGGATC-----TTATTGGCCTTTGCTCT
F19aBacum  CCTATGGAATTCCAACCCGAACTCGATTTATGATTCATTATTTCGATCTTATCTTATCGGCCTTTGTTCT
F20aDurba  CTTAGGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F21aHsten  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F22aOeleg  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F23aPcoer  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F24aPvenu  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F25aRpugi  ----------------------------------------------------------------------
F26aTfras  ----------------------------------------------------------------------
F27aPmacr  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F29aNlaev  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTGGATC-----TTATTGGCCTTTGTTCT
F30aCmorr  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F31aTsomn  ---------------------------------------------------------------------CT
F33aGmusa  CTTATGGAATTCGAGCCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F34aPatro  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATCGGCCTTTGTTCT
F35aPchia  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F36aOcarn  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F38aBping  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F39aDgoer  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F40aDeste  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F41aPmira  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F42aDbrev  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F43aDglan  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTCTTGGCCTTTGTTCT
F44aDlott  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTCTTGGCCTTTGTTCT
F45aDscap  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F46aEhori  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F47aPloki  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F48aPrubr  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F49aElind  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTGGATC-----TTATTGGCCTTTGTTCT
F50aDeste  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F51aDbrev  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F52aPspat  CTTATGGAATTCGAACCCGAACTCGATTTATTATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F53aPherz  CTTATGGAATTCGAACCCGAACTCGATTTATGATTTATTATTTCGATC-----TTATTGGCCTTTGTTCT
F7aAuaipe  CCTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATCTTATCTTATTGGCCTTTGTTCT
F8aGglauc  CTTATGGAATTCGAACCCGAACTCAATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
F9aAkerte  CTTATGGAATTCGAACCCGAACTCGATTTATGATTCATTATTTCGATC-----TTATTGGCCTTTGTTCT
```

Fortsetzung (5/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           222222222222222222223333333333333333333333333333333333333333333333333333
           888888888999999999900000000001111111111222222222233333333334444444445
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  -----TTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TATCCTTTCGTGGA
107bFelat  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
10aFrexia  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
117aFgrac  TTATTTTT-----TATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
118aFchiq  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
120aFchiq  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
121aFpeti  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
129aFbati  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
12aFnowic  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
132aFmicr  -----TTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TATCCTTTCGTGGA
133aFmicr  -----TTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TATCCTTTCGTGGA
135bFschi  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
136bFvill  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
137bFrusb  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
138bFwebe  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
139bFwind  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
13aFcotac  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
140bFyuvi  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
141bFrusb  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
142bFcaul  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
143aFgram  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
144aFspec  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
145aFwedd  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
18eFlatif  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
19gFgraci  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
22cFpendu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
23aFvasqu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
25fFvillo  -----TTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
26aFheter  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTCTCGTGGA
28dFspeci  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
34aFchiqu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
35aFlatif  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
36aFcotac  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
37aFcotac  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
3aFcaules  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
45cFpendu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
46dFpendu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
48dFweber  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
50bFpendu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
55aFpendu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
56aFcotac  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
58cFnowic  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
60aFelata  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
62aFalbic  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
63bFvasqu  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
64aFalbic  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
67dFflori  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
71cFgrami  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
72aFyuvin  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
76dFcotac  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
80aFcaule  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
86aFschid  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
87aFspect  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
93aFspeci  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
94cFalbic  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
95cFweber  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
9dFrexiae  TTATTTTT-----GATTTTTCATATTGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F10aCflor  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F11aHarge  TTATTTTT-----GATTTTTCATATGGATTTCCGTCTTT--TCTTTATATTA----TACCCTTTCGTGGA
F12aBserr  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F13aDench  TTTTTTTTTT----ATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F14aPundu  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F15aPalbi  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
```

Fortsetzung (5/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           2222222222222222222333333333333333333333333333333333333333333333333333
           8888888889999999999000000000011111111112222222222333333333344444444445
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F17aAgamo  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F18aAorla  TTATTTTT-----GATTTTTCATATAGATTTCCATCTTT-------ATATTA----TACCCTTTCGTGTA
F19aBacum  TTATTTTTT-----ATTTTTCATATAGATTTCCGCCTTTATTCTTTATATTAATTATACCCCTTCGTGGA
F20aDurba  TTATTTTT-----GATTTTTCATATGGATTCCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F21aHsten  TTATTTTG-----GATTTTTCATATGGATTTCCGTCTTT--TCTTTATATTA----TACCCTTTCGTGGA
F22aOeleg  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTCTCGTGGA
F23aPcoer  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F24aPvenu  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F25aRpugi  ---------------TTTTTCGTATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTAGA
F26aTfras  ---------------TTTTT-ATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTAGA
F27aPmacr  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F29aNlaev  TTATTTTT-----GATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTGTCGTGGA
F30aCmorr  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F31aTsomn  TTATTTTTT------TTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTAGA
F33aGmusa  TTATTTTTT-----ATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTAGA
F34aPatro  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F35aPchia  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F36aOcarn  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTCTCGTGGA
F38aBping  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F39aDgoer  TTTTTTTTTTTT--ATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F40aDeste  TTTTTTTTTTTTT-ATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F41aPmira  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F42aDbrev  TTATTTTTT-----ATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F43aDglan  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F44aDlott  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F45aDscap  TTATTTTT-----GATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F46aEhori  TTATTTTT-----GATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F47aPloki  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F48aPrubr  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F49aElind  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F50aDeste  TTTTTTTTTT----ATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F51aDbrev  TTATTTTT-----GATTTTTCATATGGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F52aPspat  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F53aPherz  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
F7aAuaipe  TTATTTTTT-----ATTTTTCATATAGATTTCCGTCTTTATTCTTTATATTAATTATACCCCCTCGTGGA
F8aGglauc  TTATTTTTT-----ATTTTTCATATAGATTTCCATCTTT-------ATATTA----TACCCTTTCGTAGA
F9aAkerte  TTATTTTT-----GATTTTTCATATAGATTTCCGTCTTT-------ATATTA----TACCCTTTCGTGGA
```

Fortsetzung (6/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           333333333333333333333333333333333333333333333333333444444444444444444444
           555555555666666666677777777778888888888999999999990000000000111111111112
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
107bFelat  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
10aFrexia  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
117aFgrac  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
118aFchiq  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
120aFchiq  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
121aFpeti  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
129aFbati  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
12aFnowic  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
132aFmicr  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
133aFmicr  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
135bFschi  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
136bFvill  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
137bFrusb  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
138bFwebe  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
139bFwind  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
13aFcotac  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
140bFyuvi  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
141bFrusb  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
142bFcaul  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
143aFgram  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
144aFspec  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
145aFwedd  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
18eFlatif  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
19gFgraci  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACGTATATTACTGTCAAGAGGGAATTTTTC
22cFpendu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
23aFvasqu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
25fFvillo  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
26aFheter  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
28dFspeci  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
34aFchiqu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
35aFlatif  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
36aFcotac  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
37aFcotac  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
3aFcaules  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
45cFpendu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
46dFpendu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
48dFweber  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
50bFpendu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
55aFpendu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
56aFcotac  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
58cFnowic  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
60aFelata  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
62aFalbic  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
63bFvasqu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
64aFalbic  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
67dFflori  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
71cFgrami  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
72aFyuvin  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
76dFcotac  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
80aFcaule  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
86aFschid  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
87aFspect  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
93aFspeci  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
94cFalbic  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
95cFweber  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
9dFrexiae  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F10aCflor  TGAATTATGCTTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F11aHarge  TGAATGATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F12aBserr  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F13aDench  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F14aPundu  TGAATTATGCCTATTTTCATATCTAGGATTTACATATACAACATATATGACTGTCAAGAGGGAATTTTTC
F15aPalbi  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAG-----TTTTC
```

Fortsetzung (6/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           333333333333333333333333333333333333333333333333333444444444444444444444
           555555555666666666677777777778888888888999999999990000000000111111111112
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  TGAATTATGCCTATTTTCATATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F17aAgamo  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F18aAorla  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F19aBacum  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F20aDurba  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F21aHsten  TGAATGATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F22aOeleg  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F23aPcoer  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F24aPvenu  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F25aRpugi  TGAATTATGCTTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGTAATTTTTC
F26aTfras  TGAATTATGCTTATTTTCATATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F27aPmacr  TGAATTATGCCTATTTTCATATCTAGGATTTACATATACAACATATATGACTGTCAAGAGGGAATTTTTC
F29aNlaev  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACCCTCAAGAGGGAATTTTTC
F30aCmorr  TGAATTATGCTTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F31aTsomn  TGAATTATGCTTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F33aGmusa  TGAATTATGCTTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F34aPatro  TGAATTATGCCTATTTTCATATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F35aPchia  TGAATTATGCCTATTTTCATATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F36aOcarn  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F38aBping  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F39aDgoer  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F40aDeste  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F41aPmira  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGAGAATTTTTA
F42aDbrev  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F43aDglan  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F44aDlott  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F45aDscap  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F46aEhori  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F47aPloki  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAG-----TTTTC
F48aPrubr  TGAATTATGCCTATTTTCATATCTAGGATTTACATATACAACATATATGACTGTCAAGAGGGAATTTTTC
F49aElind  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F50aDeste  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F51aDbrev  TGAATTATGCCTCTTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F52aPspat  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGAGAATTTTTC
F53aPherz  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGAGAATTTTTC
F7aAuaipe  TGAATTATGCCTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGGGAATTTTTC
F8aGglauc  TGAATTATGCTTATTTTCACATCTAGGATTTACATATACAACATATATTACTGTCAAGAGAGAATTTTTC
F9aAkerte  TGAATTATGCTTATTTTCACATCTAGGATTTACATATACAACATATATGACTGTCAAGAGGGAATTTTTC
```

Fortsetzung (7/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           4444444444444444444444444444444444444444444444444444444444444444444444
           2222222223333333333444444444455555555556666666666677777777778888888889
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
107bFelat  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
10aFrexia  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
117aFgrac  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
118aFchiq  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
120aFchiq  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
121aFpeti  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
129aFbati  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
12aFnowic  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
132aFmicr  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
133aFmicr  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
135bFschi  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
136bFvill  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
137bFrusb  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
138bFwebe  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
139bFwind  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
13aFcotac  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
140bFyuvi  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
141bFrusb  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
142bFcaul  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
143aFgram  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
144aFspec  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
145aFwedd  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
18eFlatif  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
19gFgraci  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
22cFpendu  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
23aFvasqu  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
25fFvillo  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
26aFheter  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
28dFspeci  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
34aFchiqu  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
35aFlatif  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
36aFcotac  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
37aFcotac  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
3aFcaules  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
45cFpendu  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
46dFpendu  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
48dFweber  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
50bFpendu  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
55aFpendu  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
56aFcotac  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
58cFnowic  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
60aFelata  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
62aFalbic  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
63bFvasqu  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
64aFalbic  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
67dFflori  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
71cFgrami  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAATC----TGTAAAACA
72aFyuvin  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
76dFcotac  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TATAAAACA
80aFcaule  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
86aFschid  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
87aFspect  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
93aFspeci  TCAGTATTTAGATATTTAGATTCAAAAAAA-GAAAGGGATCAATTCAATTATAAACT----TGTAAAACA
94cFalbic  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
95cFweber  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
9dFrexiae  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F10aCflor  TCAGTATTTAGATATTTAGATTCAAAATTAAGAAAGGGATCAATTCAATTATAAACC----TGCAAAGCA
F11aHarge  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F12aBserr  TCAGTATTTATATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAATA
F13aDench  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F14aPundu  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F15aPalbi  TCAGTATTTAGATATTTAGATTCCAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
```

Fortsetzung (7/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           4444444444444444444444444444444444444444444444444444444444444444444444
           2222222223333333333444444444455555555556666666666677777777778888888889
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F17aAgamo  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----CGCAAAACA
F18aAorla  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F19aBacum  TCAGTATTTAGATATTTAGATTCAAAATAAAGAAAGGGATCAATTCAATTATAAACC----CGCAAAACA
F20aDurba  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----CGCAAAACA
F21aHsten  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F22aOeleg  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F23aPcoer  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F24aPvenu  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F25aRpugi  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGG-----TTCAATTATAAACC----CGCAAAACA
F26aTfras  TCAGTATTTAGATATTTGGATTCAAAATAA-GAAAGGG-----TTCAATTATAAACC----CGCAAAACA
F27aPmacr  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F29aNlaev  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAGCA
F30aCmorr  TCAGTATTTAGATATTTAGATTCAAAATTAAGAAAGGGATCAATTCAATTATAAACC----TGCAAAGCA
F31aTsomn  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----CGCAAAACA
F33aGmusa  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F34aPatro  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F35aPchia  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F36aOcarn  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F38aBping  TCAGTATTTATATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAATA
F39aDgoer  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F40aDeste  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F41aPmira  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATCATAAACC----TGCAAAACA
F42aDbrev  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F43aDglan  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F44aDlott  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F45aDscap  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F46aEhori  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCTTTTATAAACC----TGTAAAACA
F47aPloki  TCAGTATTTAGATATTTAGATTCCAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F48aPrubr  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F49aElind  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F50aDeste  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F51aDbrev  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGTAAAACA
F52aPspat  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F53aPherz  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F7aAuaipe  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACCTCACTGCAAAACA
F8aGglauc  TCAGTATTTAGATATTTAGATTCAAAATAA-GAAAGGGATCAATTCAATTATAAACC----TGCAAAACA
F9aAkerte  TCAGTATTTAGATATTTAGATTCAAAATTAAGAAAGGGATCAATTCAATTATAAACC----TGCAAAGCA
```

Fortsetzung (8/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           4444444445555555555555555555555555555555555555555555555555555555555555
           9999999990000000000111111111122222222223333333333444444444455555555556
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
107bFelat  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
10aFrexia  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
117aFgrac  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
118aFchiq  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
120aFchiq  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
121aFpeti  AGGATTAGGATTGGGTTG-----CGCTATATATATCATAGAGTATACAATAATGATGTATTTGGTGAATC
129aFbati  AGGATTAGGATTGGGTTG-----CGCTATATATATCATAGAGTATACAATAATGATGTATTTGGTGAATC
12aFnowic  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
132aFmicr  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
133aFmicr  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
135bFschi  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
136bFvill  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
137bFrusb  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
138bFwebe  AGGATTAGGATTGGGTTG-----CGCTATATATATCATAGAGTATACAATAATGATGTATTTGGTGAATC
139bFwind  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
13aFcotac  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
140bFyuvi  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
141bFrusb  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
142bFcaul  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
143aFgram  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
144aFspec  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
145aFwedd  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
18eFlatif  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
19gFgraci  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
22cFpendu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
23aFvasqu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
25fFvillo  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
26aFheter  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
28dFspeci  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
34aFchiqu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
35aFlatif  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
36aFcotac  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
37aFcotac  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
3aFcaules  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
45cFpendu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
46dFpendu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
48dFweber  AGGATTAGGATTGGGTTG-----CGCTATATATATCATAGAGTATACAATAATGATGTATTTGGTGAATC
50bFpendu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
55aFpendu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
56aFcotac  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
58cFnowic  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
60aFelata  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
62aFalbic  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
63bFvasqu  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
64aFalbic  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
67dFflori  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
71cFgrami  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
72aFyuvin  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
76dFcotac  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
80aFcaule  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
86aFschid  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
87aFspect  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
93aFspeci  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
94cFalbic  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
95cFweber  AGGATTAGGATTGGGTTG-----CGCTATATATATCATAGAGTATACAATAATGATGTATTTGGTGAATC
9dFrexiae  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F10aCflor  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F11aHarge  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATT
F12aBserr  AAGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F13aDench  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F14aPundu  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F15aPalbi  AAGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
```

Fortsetzung (8/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           444444444555555555555555555555555555555555555555555555555555555555555555
           999999999000000000011111111112222222222333333333344444444445555555555556
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  AAGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F17aAgamo  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F18aAorla  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F19aBacum  AAGATTAGGATTGGATTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F20aDurba  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F21aHsten  AAGATTAGGATTGGATTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATT
F22aOeleg  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F23aPcoer  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F24aPvenu  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F25aRpugi  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F26aTfras  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F27aPmacr  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F29aNlaev  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F30aCmorr  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F31aTsomn  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F33aGmusa  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F34aPatro  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F35aPchia  AAGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F36aOcarn  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F38aBping  AAGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F39aDgoer  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F40aDeste  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F41aPmira  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F42aDbrev  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F43aDglan  AGGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F44aDlott  AAGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F45aDscap  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F46aEhori  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F47aPloki  AAGATTAGGATTGGGTTG-----CGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F48aPrubr  AGGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F49aElind  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F50aDeste  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F51aDbrev  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F52aPspat  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F53aPherz  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F7aAuaipe  AAGATTAGGATTGGATTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F8aGglauc  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
F9aAkerte  AAGATTAGGATTGGGTTGGGTTGCGCTATATATATCAAAGAGTATACAATAATGATGTATTTGGTGAATC
```

Fortsetzung (9/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           5555555555555555555555555555555555555555666666666666666666666666666666
           6666666667777777777888888888999999999900000000001111111111222222222223
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
107bFelat  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
10aFrexia  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
117aFgrac  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
118aFchiq  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
120aFchiq  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
121aFpeti  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTAAATAA-----GTTGATAATATTAATTGA
129aFbati  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTAAATAA-----GTTGATAATATTAATTGA
12aFnowic  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
132aFmicr  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
133aFmicr  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
135bFschi  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
136bFvill  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
137bFrusb  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
138bFwebe  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTAAATAA-----GTTGATAATATTAATTGA
139bFwind  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
13aFcotac  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
140bFyuvi  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
141bFrusb  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
142bFcaul  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
143aFgram  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
144aFspec  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
145aFwedd  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
18eFlatif  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
19gFgraci  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
22cFpendu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
23aFvasqu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
25fFvillo  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGAAATGAGTTGATAATATTAATTGA
26aFheter  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
28dFspeci  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
34aFchiqu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
35aFlatif  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
36aFcotac  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
37aFcotac  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
3aFcaules  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
45cFpendu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
46dFpendu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
48dFweber  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTAAATAA-----GTTGATAATATTAATTGA
50bFpendu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
55aFpendu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
56aFcotac  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
58cFnowic  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
60aFelata  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
62aFalbic  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
63bFvasqu  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
64aFalbic  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
67dFflori  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
71cFgrami  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
72aFyuvin  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
76dFcotac  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
80aFcaule  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
86aFschid  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
87aFspect  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
93aFspeci  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
94cFalbic  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
95cFweber  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTAAATAA-----GTTGATAATATTAATTGA
9dFrexiae  AAATACATGGTCTAATAACAAACCATTTTAACAT-----TTTAATGA-----GTTGATAATATTAATTGA
F10aCflor  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F11aHarge  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F12aBserr  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F13aDench  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F14aPundu  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F15aPalbi  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
```

Fortsetzung (9/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           555555555555555555555555555555555555555555666666666666666666666666666666
           666666666777777777778888888888999999999900000000001111111111222222222223
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F17aAgamo  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F18aAorla  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F19aBacum  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F20aDurba  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F21aHsten  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F22aOeleg  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F23aPcoer  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F24aPvenu  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F25aRpugi  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F26aTfras  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F27aPmacr  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F29aNlaev  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F30aCmorr  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F31aTsomn  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F33aGmusa  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F34aPatro  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F35aPchia  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F36aOcarn  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F38aBping  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F39aDgoer  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F40aDeste  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F41aPmira  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F42aDbrev  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F43aDglan  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F44aDlott  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F45aDscap  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F46aEhori  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F47aPloki  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F48aPrubr  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F49aElind  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F50aDeste  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F51aDbrev  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F52aPspat  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F53aPherz  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F7aAuaipe  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F8aGglauc  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
F9aAkerte  AAATACATGGTCTAATAACAAACCATTTTAACATAACATTTTAATGA-----GTTGATAATATTAATTGA
```

Fortsetzung (10/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           6666666666666666666666666666666666666666666666666666666666666666666667
           3333333334444444444555555555566666666667777777777888888888899999999990
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  ATATTGAATATCTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
107bFelat  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
10aFrexia  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
117aFgrac  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGGGTAGACC
118aFchiq  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
120aFchiq  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
121aFpeti  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
129aFbati  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
12aFnowic  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
132aFmicr  ATATTGAATATCTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
133aFmicr  ATATTGAATATCTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
135bFschi  ATATTGAATATTTTTTTGAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
136bFvill  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
137bFrusb  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
138bFwebe  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
139bFwind  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
13aFcotac  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
140bFyuvi  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
141bFrusb  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
142bFcaul  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
143aFgram  ATATTGAATATTTTTTTGAAAGATTTTTGGTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
144aFspec  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
145aFwedd  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
18eFlatif  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
19gFgraci  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
22cFpendu  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
23aFvasqu  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
25fFvillo  ATATTGAATATCTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
26aFheter  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
28dFspeci  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
34aFchiqu  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
35aFlatif  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
36aFcotac  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
37aFcotac  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
3aFcaules  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
45cFpendu  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
46dFpendu  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
48dFweber  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
50bFpendu  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
55aFpendu  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
56aFcotac  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
58cFnowic  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
60aFelata  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
62aFalbic  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
63bFvasqu  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
64aFalbic  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
67dFflori  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAAATCCATATCGAGTAGACC
71cFgrami  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
72aFyuvin  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
76dFcotac  ATATTGAATATCTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
80aFcaule  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
86aFschid  ATATTGAATATTTTTTTGAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
87aFspect  ATATTCAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTA--TCCATATCGAGTAGACC
93aFspeci  ATATTGAATATTTTTT-GAAATATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
94cFalbic  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
95cFweber  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
9dFrexiae  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F10aCflor  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCTTAA-TCCATATCGAGTAGACC
F11aHarge  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TTCATATCGAGTAGACC
F12aBserr  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F13aDench  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F14aPundu  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F15aPalbi  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
```

Fortsetzung (10/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           666666666666666666666666666666666666666666666666666666666666666666666667
           333333333444444444455555555556666666666677777777778888888888999999999990
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F17aAgamo  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F18aAorla  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F19aBacum  ATATTGAATATCTTTT-GAAAGATTTTTGTTAAAGGTTCCATTCATGCCTAA-TCCATATCGAGTAGACC
F20aDurba  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F21aHsten  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TTCATATCGAGTAGACC
F22aOeleg  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F23aPcoer  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F24aPvenu  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F25aRpugi  ATATTGAATATTTTTT-GAAAGATTCTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F26aTfras  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F27aPmacr  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F29aNlaev  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAGGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F30aCmorr  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCTTAA-TCCATATCGAGTAGACC
F31aTsomn  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F33aGmusa  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTA--TCCATATCGAGTAGACC
F34aPatro  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F35aPchia  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F36aOcarn  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F38aBping  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F39aDgoer  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F40aDeste  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F41aPmira  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F42aDbrev  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F43aDglan  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F44aDlott  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATAACGAGTAGACC
F45aDscap  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F46aEhori  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F47aPloki  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F48aPrubr  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F49aElind  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F50aDeste  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F51aDbrev  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F52aPspat  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F53aPherz  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F7aAuaipe  ATATTGAATATCCTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGACC
F8aGglauc  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTCATTCATGCCTAA-TCCATATCGAGTAGAC-
F9aAkerte  ATATTGAATATTTTTT-GAAAGATTTTTGTTAAAGGTTTGATTCATGCTTAA-TCCATATCGAGTAGACC
```

Fortsetzung (11/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           777777777777777777777777777777777777777777777777777777777777777777777777
           000000000111111111122222222223333333333444444444455555555556666666666667
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  TTGTTGTTGTGAG0000001011----10000001-101011111010?GTTTTCGCTGGTATTGATCCA
107bFelat  TTGTTGTTGTGAG000000101001-110000001-101011111010???TTTTGCTGGTATTGATCCA
10aFrexia  TTGTTGTTGTGAG000000101001-110000001-101011111010?GTTTT-GCTGGTATTGATCCA
117aFgrac  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
118aFchiq  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
120aFchiq  TTGTTGTTGTCAG000000101001-110000001-101011111010???????GCTGGTATTGATCCA
121aFpeti  TTGTTGTTGTGAG000000101001-110000001-101011111010???TTTTGCTGGTATTGATCCA
129aFbati  TTGTTGTTGTGAG000000101001-110000001-101011111010??????????????????????
12aFnowic  TTGTTGTTGTGAG000000101001-110000001-101011111010?????????????????GATCCA
132aFmicr  TTGTTGTTGTGAG0000001011----10000001-101011111010TGTTTTTGCTGGTATTGATCCA
133aFmicr  TTGTTGTTGTGAG0000001011----10000001-101011111010TGTTTTTGCTGGTATTGATCCA
135bFschi  TTGTTGTTGTGAG000000101001-110000001-101011110010TGTTTTTGCTGGTATTGATCCA
136bFvill  TTGTTGTTGTCAG000000101001-110000001-101011111010??TTTTTGCTGGTATTGATCCA
137bFrusb  TTGTTGTTGTGAG000000101001-110000001-101011111010?GTTTTTGCTGGTATTGATCCA
138bFwebe  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
139bFwind  TTGTTGTTGTGAG000000101001-110000001-101011111010???TTTTGCTGGTATTGATCCA
13aFcotac  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
140bFyuvi  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
141bFrusb  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
142bFcaul  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
143aFgram  TTGTTGTTGTGAG000000101001-110000001-101011110010TGTTTTTGCTGGTATTGATCCA
144aFspec  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
145aFwedd  TTGTTGTTGTGAG000000101001-110000001-101011111010?????????????????GATCCA
18eFlatif  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
19gFgraci  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
22cFpendu  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTAT-GATCCA
23aFvasqu  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
25fFvillo  TTGTTGTTGTGAG0000001011----10000001-101011101010TGTTTTTGCTGGTATTGATCCA
26aFheter  TTGTTGTTGTGAG000000101001-110000001-101011111010???????GCTGGTATTGATCCA
28dFspeci  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
34aFchiqu  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
35aFlatif  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
36aFcotac  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
37aFcotac  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
3aFcaules  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
45cFpendu  TTGTTGTTGTCAG000000101001-110000001-101011111010?????????????TATTGATCCA
46dFpendu  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
48dFweber  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
50bFpendu  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
55aFpendu  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
56aFcotac  TTGTTGTTGTGAG000000101001-110000001-101011111010??TTTTTGCTGGTATTGATCCA
58cFnowic  TTGTTGTTGTGAG100000101001-110000001-101011111010TGTTTTTG-TGGTATTGATCCA
60aFelata  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
62aFalbic  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
63bFvasqu  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
64aFalbic  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
67dFflori  TTGTTGTTGTGAG000000101001-110000001-101011111000TGTTTTTGCTGGTATTGATCCA
71cFgrami  TTGTTGTTGTGAG000000101001-110000001-101011111010?GTTTTTGCTGGTATTGATCCA
72aFyuvin  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
76dFcotac  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
80aFcaule  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
86aFschid  TTGTTGTTGTGAG000000101001-110000001-101011110010TGTTTTTGCTGGTATTGATCCA
87aFspect  TTGTTGTTGTGAG000000101001-110000001-1010111111-0TGTTTTTGCTGGTATTGATCCA
93aFspeci  TTGTTGTTGTCAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
94cFalbic  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
95cFweber  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTTTGCTGGTATTGATCCA
9dFrexiae  TTGTTGTTGTGAG000000101001-110000001-101011111010TGTTTT-GCTGGTATTGATCCA
F10aCflor  TTGTTGTTGTGAG0000001010001110000001-100010011010TGTTTTTGCTGGTATTGATCCA
F11aHarge  TTGTTGTTGTGAG0001-0101000111000000011010100110 10?????????????????????A
F12aBserr  TTGTTCTTGTGAG0000001010001110000001-101011011010TGTTTTTGCTAGTATTGATCCA
F13aDench  TTGTTGTTGTGAG000000000100011000 1--01-101010011010TGTTTTTGCTGGTATTGATCCA
F14aPundu  TTGTTGTTGTGAG0000001010001110000001-101010011010TGTTTTTGCTGGTATTGATCCA
F15aPalbi  TTGTTGTTGTGAG000000101001-110000001-111011011010TGTTTTTGCTGGTATTGATCCA
```

Fortsetzung (11/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           777777777777777777777777777777777777777777777777777777777777777777777777
           000000000111111111122222222223333333333444444444455555555556666666666667
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  TTGTTGTTGTGAG00000010100011100000001-101011011010TGTTTTTGCTGGTATTGATCCA
F17aAgamo  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F18aAorla  TTGTTGTTGTGAG00000010100001100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F19aBacum  TTGTTGTTGTGAG00000010100010001---000000010011010???????GCTGGTATTGATCCA
F20aDurba  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F21aHsten  TTGTTGTTGTGAG00000010100011100000001101010011010TGTTTTTGCTGGTATTGATCCA
F22aOeleg  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F23aPcoer  TTGTTGTTGTGAG00000010101011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F24aPvenu  TTGTTGTTGTGAG00000010101011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F25aRpugi  TTGTTGTTGTGAG0010-001------------01-101110011010TGTTTTTGCTGGTATTGATCCA
F26aTfras  TTGTTGTTGTGAG01001001------------11-101110011010TGTTTTTGCTGGTATTGATCCA
F27aPmacr  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F29aNlaev  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F30aCmorr  TTGTTGTTGTGAG00000010100011100000001-100010011010TGTTTTTGCTGGTATTGATCCA
F31aTsomn  TTGTTGTTGTGAG000001-0-0----01----01-101010011010TGTTTTTGCTGGTATTGATCCA
F33aGmusa  TTGTTGTTGTGAG00000010100011001---01-1010100111-0TGTTTTTGCTGGTATTGATCCA
F34aPatro  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F35aPchia  TTGTTGTTGTGAG00000010100011100000001-101011011010TGTTTTTGCTGGTATTGATCCA
F36aOcarn  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F38aBping  TTGTTCTTGTGAG00000010100011100000001-101011011010TGTTTTTGCTGGTATTGATCCA
F39aDgoer  TTGTTGTTGTGAG00000000100011000001-01-101010011010TGTTTTTGCTGGTATTGATCCA
F40aDeste  TTGTTGTTGTGAG000000001000110000010 1-101010011010TGTTTTTGCTGGTATTGATCCA
F41aPmira  TTGTTGTTGTGAG00000010000011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F42aDbrev  TTGTTGTTGTGAG00000010100011001---01-101010011010TGTTTTTGCTGGTATTGATCCA
F43aDglan  TTGTTGTTGTGAG00000010100011100000001-101011011010TGTTTTTGCTGGTATTGATCCA
F44aDlott  TTGTTGTTGTGAG00000010100011100000001-101011011010TGTTTTTGCTGGTATTGATCCA
F45aDscap  TTGTTGTTGTGAG00000000100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F46aEhori  TTGTTGTTGTGAG00000000100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F47aPloki  TTGTTGTTGTGAG000000101001-110000001-111011011010TGTTTTTGCTGGTATTGACCCA
F48aPrubr  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F49aElind  TTGTTGTTGTGAG00000010100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F50aDeste  TTGTTGTTGTGAG000000001000110001--01-101010011010TGTTTTTGCTGGTATTGATCCA
F51aDbrev  TTGTTGTTGTGAG00000000100011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F52aPspat  TTGTTGTTGTGAG00000010000011100000001-101010011010TGTTTTTGCTGGTATTGATCCA
F53aPherz  TTGTTGTTGTGAG00000010000011100000001-101010011010??????????GTATTGATCCA
F7aAuaipe  TTGTTGTTGTGAG00000010100010001---000001000011010TGTTTTTGCTGGTATTGATCCA
F8aGglauc  TTGTTGTTGTGAG00000010100011001---01-101010011011TGTTTTTGCTGGTATTGATCCA
F9aAkerte  TTGTTGTTGTGAG00000010100011100000001-100010011010TGTTTTTGCTGGTATTGATCCA
```

Fortsetzung (12/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           777777777777777777777777777778888888888888888888888888888888888888888888
           777777777888888888899999999990000000000111111111122222222223333333333334
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
107bFelat  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACT-GGAGATCCAACT-ACAAGGAGACAAGTA
10aFrexia  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
117aFgrac  GATTTGGATGCTCAAGTGGAATTTG-AGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
118aFchiq  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
120aFchiq  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
121aFpeti  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
129aFbati  ?????????GCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
12aFnowic  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACTTACAAGGAGACAAGTA
132aFmicr  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
133aFmicr  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
135bFschi  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
136bFvill  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
137bFrusb  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
138bFwebe  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
139bFwind  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
13aFcotac  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACTTACAAGGAGACAAGTA
140bFyuvi  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
141bFrusb  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
142bFcaul  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
143aFgram  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
144aFspec  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
145aFwedd  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
18eFlatif  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
19gFgraci  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
22cFpendu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
23aFvasqu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
25fFvillo  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
26aFheter  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
28dFspeci  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
34aFchiqu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
35aFlatif  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
36aFcotac  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
37aFcotac  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACTTACAAGGAGACAAGTA
3aFcaules  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
45cFpendu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
46dFpendu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
48dFweber  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
50bFpendu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
55aFpendu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
56aFcotac  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
58cFnowic  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
60aFelata  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
62aFalbic  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
63bFvasqu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
64aFalbic  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
67dFflori  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
71cFgrami  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
72aFyuvin  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
76dFcotac  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
80aFcaule  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
86aFschid  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
87aFspect  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
93aFspeci  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
94cFalbic  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
95cFweber  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
9dFrexiae  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F10aCflor  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F11aHarge  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F12aBserr  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAAATTGGAGATCCAACT-ACAAGGAGACAAGTA
F13aDench  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F14aPundu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F15aPalbi  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCCACT-ACAAGGAGACAAGTA
```

Fortsetzung (12/36):

```
           0000000000000000000000000000000000000000000000000000000000000000000000
           7777777777777777777777777777888888888888888888888888888888888888888888
           7777777778888888888999999999900000000001111111111222222222233333333334
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F17aAgamo  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAAATTGGAGATCCAACT-ACAAGGAGACAAGTA
F18aAorla  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAAATTGGAGATCCAACT-ACAAGGAGACAAGTA
F19aBacum  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F20aDurba  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F21aHsten  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F22aOeleg  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F23aPcoer  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F24aPvenu  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F25aRpugi  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F26aTfras  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F27aPmacr  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F29aNlaev  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAAATTGGAGACCCAACT-ACAAGGAGACAAGTA
F30aCmorr  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F31aTsomn  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F33aGmusa  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F34aPatro  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F35aPchia  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F36aOcarn  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F38aBping  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAAATTGGAGATCCAACT-ACAAGGAGACAAGTA
F39aDgoer  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F40aDeste  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F41aPmira  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F42aDbrev  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F43aDglan  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
F44aDlott  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGGGATCCAACT-ACAAGGAGACAAGTA
F45aDscap  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F46aEhori  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F47aPloki  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F48aPrubr  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F49aElind  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAAATTGGAGATCCAACT-ACAAGGAGACAAGTA
F50aDeste  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F51aDbrev  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F52aPspat  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F53aPherz  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F7aAuaipe  GATTTGGATGCTCAAGTGGAATTTGGAACATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F8aGglauc  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAACTTGGAGATCCAACT-ACAAGGAGACAAGTA
F9aAkerte  GATTTGGATGCTCAAGTGGAATTTGGAGCATTCCAAAAAATTGGAGATCCAACT-ACAAGGAGACAAGTA
```

Fortsetzung (13/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           888888888888888888888888888888888888888888888888888888888888888999999999
           444444444555555555556666666666677777777778888888888899999999990000000001
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  GTCTGAGACAACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
107bFelat  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
10aFrexia  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
117aFgrac  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
118aFchiq  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
120aFchiq  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
121aFpeti  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTATTTGATTTGAACATCGGGTATCCGAGAAA
129aFbati  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTATTTGATTTGAACATCGGGTATCCGAGAAA
12aFnowic  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
132aFmicr  GTCTGAGACAACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
133aFmicr  GTCTGAGACAACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
135bFschi  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
136bFvill  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
137bFrusb  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
138bFwebe  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTATTTGATTTGAACATCGGGTATCCGAGAAA
139bFwind  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
13aFcotac  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
140bFyuvi  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
141bFrusb  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
142bFcaul  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
143aFgram  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
144aFspec  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
145aFwedd  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
18eFlatif  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
19gFgraci  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
22cFpendu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
23aFvasqu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
25fFvillo  GTCTGAGACAACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
26aFheter  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
28dFspeci  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
34aFchiqu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
35aFlatif  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
36aFcotac  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
37aFcotac  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
3aFcaules  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
45cFpendu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
46dFpendu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
48dFweber  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTATTTGATTTGAACATCGGGTATCCGAGAAA
50bFpendu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
55aFpendu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
56aFcotac  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
58cFnowic  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
60aFelata  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
62aFalbic  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
63bFvasqu  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
64aFalbic  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
67dFflori  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
71cFgrami  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
72aFyuvin  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
76dFcotac  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTTTTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
80aFcaule  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
86aFschid  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
87aFspect  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
93aFspeci  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
94cFalbic  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
95cFweber  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTATTTGATTTGAACATCGGGTATCCGAGAAA
9dFrexiae  GTCTGAGACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCCGAGAAA
F10aCflor  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTACTTTTTTGATTTGA-CATTGGGTATCAGAGAAA
F11aHarge  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F12aBserr  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F13aDench  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F14aPundu  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F15aPalbi  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
```

Fortsetzung (13/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           888888888888888888888888888888888888888888888888888888888888888999999999
           444444444555555555566666666667777777777888888888899999999990000000001
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F17aAgamo  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F18aAorla  GTCTGATACGGCATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F19aBacum  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTG-CCATCGGGTATCAGAGAAA
F20aDurba  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F21aHsten  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F22aOeleg  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F23aPcoer  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATTAGAGAAA
F24aPvenu  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATTAGAGAAA
F25aRpugi  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTATATTTTTTT-ATT-GA-CATTGGGTATCAGAGAAA
F26aTfras  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATT-GA-CATTGGGTATCAGAGAAA
F27aPmacr  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F29aNlaev  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F30aCmorr  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTACTTTTTTGATTTGA-CATTGGGTATCAGAGAAA
F31aTsomn  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT--TTTGA-CATTGGGTATCAGAGAAA
F33aGmusa  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATTGGGTATCAGAGAAA
F34aPatro  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F35aPchia  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F36aOcarn  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F38aBping  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F39aDgoer  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F40aDeste  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F41aPmira  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F42aDbrev  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA--ATCGGGTATCAGAGAAA
F43aDglan  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F44aDlott  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F45aDscap  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F46aEhori  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F47aPloki  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F48aPrubr  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F49aElind  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F50aDeste  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F51aDbrev  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATCGGGTATCAGAGAAA
F52aPspat  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F53aPherz  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
F7aAuaipe  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCCATTTTTTTGATTTG-CCATCGGGTATCAGAGAAA
F8aGglauc  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTT-ATTTGA-CATTGGGTATCAGAGAAA
F9aAkerte  GTCTGATACGACATTGTTGTGGTATCTTTCGCCTCTATTTTTTTGATTTGA-CATCGGGTATCAGAGAAA
```

Fortsetzung (14/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           999999999999999999999999999999999999999999999999999999999999999999999999
           111111111222222222233333333334444444444555555555566666666667777777778
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  TCTTGACAGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
107bFelat  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
10aFrexia  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
117aFgrac  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCTCA
118aFchiq  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
120aFchiq  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
121aFpeti  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
129aFbati  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
12aFnowic  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
132aFmicr  TCTTGACAGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
133aFmicr  TCTTGACAGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
135bFschi  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
136bFvill  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
137bFrusb  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
138bFwebe  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
139bFwind  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
13aFcotac  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
140bFyuvi  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
141bFrusb  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
142bFcaul  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
143aFgram  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
144aFspec  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
145aFwedd  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
18eFlatif  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
19gFgraci  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
22cFpendu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
23aFvasqu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
25fFvillo  TCTTGACAGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
26aFheter  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
28dFspeci  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
34aFchiqu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
35aFlatif  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
36aFcotac  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
37aFcotac  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
3aFcaules  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
45cFpendu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
46dFpendu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
48dFweber  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
50bFpendu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
55aFpendu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
56aFcotac  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
58cFnowic  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
60aFelata  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
62aFalbic  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
63bFvasqu  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
64aFalbic  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTTTCTTTCTTTATATGATATGGTAAATGATCCCA
67dFflori  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
71cFgrami  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
72aFyuvin  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
76dFcotac  TCTTGACTGGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
80aFcaule  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
86aFschid  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
87aFspect  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
93aFspeci  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
94cFalbic  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
95cFweber  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
9dFrexiae  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F10aCflor  TCTTGACTTGAATCACC-----TTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F11aHarge  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F12aBserr  TCTTGACTTGAATCACC-----TTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F13aDench  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F14aPundu  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F15aPalbi  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
```

Fortsetzung (14/36):

```
           000000000000000000000000000000000000000000000000000000000000000000000000
           999999999999999999999999999999999999999999999999999999999999999999999999
           111111111222222222233333333334444444444555555555566666666667777777778
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F17aAgamo  TCTTGACTTGAATCACCATTTTTTCTTTGACTTTTTT--CTTTCTTTATATGATATGGTAAATGATCCCA
F18aAorla  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTT--CTTTCTTTATATGATATGGTAAATGATCCCA
F19aBacum  TCTTGACTTGAATCACCATCCTTTCTTTGACTTTTTTT-CTTTTTTTATAGGATATGGTAAATGATCCCA
F20aDurba  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F21aHsten  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F22aOeleg  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F23aPcoer  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F24aPvenu  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F25aRpugi  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F26aTfras  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTT--CTTTCTTTATATGATATGGTAAATGATCCCA
F27aPmacr  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F29aNlaev  TCTTGACTTGAATCACCATTTTTTCTTTGACTTTTTT--CTTTCTTTATATGATATGGTAAATGATCCCA
F30aCmorr  TCTTGACTTGAATCACC-----TTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F31aTsomn  TCTTGACTTGAATCACCATCTTTTCTTTTACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F33aGmusa  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F34aPatro  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F35aPchia  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F36aOcarn  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F38aBping  TCTTGACTTGAATCACC-----TTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F39aDgoer  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F40aDeste  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F41aPmira  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F42aDbrev  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F43aDglan  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F44aDlott  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F45aDscap  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F46aEhori  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F47aPloki  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F48aPrubr  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F49aElind  TCTTGACTTGAATCACCATTTTTTCTTTGACTTTTTT--CTTTCTTTATATGATATGGTAAATGATCACA
F50aDeste  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F51aDbrev  TCTTGACTGGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTATTTATATGATATGGTAAATGATCCCA
F52aPspat  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F53aPherz  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F7aAuaipe  TCTTGACTTGAATCACCATCCTTTCTTTGACTTTTTTTTCTTTTTTTATAGGATATGGTAAATGATCCCA
F8aGglauc  TCTTGACTTGAATCACCATCTTTTCTTTGACTTTTTTT-CTTTCTTTATATGATATGGTAAATGATCCCA
F9aAkerte  TCTTGACTTGAATCACCATTTTTTCTTTGACTTTTTT--CTTTCTTTATATGATATGGTAAATGATCCCA
```

Fortsetzung (15/36):

```
           000000000000000000011111111111111111111111111111111111111111111111111111
           999999999999999999990000000000000000000000000000000000000000000000000000
           888888888999999999990000000000111111111122222222223333333333444444444445
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
107bFelat  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
10aFrexia  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
117aFgrac  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
118aFchiq  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
120aFchiq  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
121aFpeti  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
129aFbati  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATTGAATCCATGGAA
12aFnowic  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
132aFmicr  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
133aFmicr  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
135bFschi  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
136bFvill  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
137bFrusb  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
138bFwebe  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
139bFwind  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
13aFcotac  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
140bFyuvi  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
141bFrusb  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
142bFcaul  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
143aFgram  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
144aFspec  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
145aFwedd  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
18eFlatif  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
19gFgraci  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
22cFpendu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
23aFvasqu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
25fFvillo  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
26aFheter  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
28dFspeci  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
34aFchiqu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
35aFlatif  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
36aFcotac  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
37aFcotac  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
3aFcaules  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
45cFpendu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
46dFpendu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
48dFweber  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
50bFpendu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
55aFpendu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
56aFcotac  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
58cFnowic  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
60aFelata  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
62aFalbic  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
63bFvasqu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
64aFalbic  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
67dFflori  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
71cFgrami  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
72aFyuvin  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
76dFcotac  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCTATGGAA
80aFcaule  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
86aFschid  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
87aFspect  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
93aFspeci  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
94cFalbic  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
95cFweber  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
9dFrexiae  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F10aCflor  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F11aHarge  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F12aBserr  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCGCGATTGAATCCATGGAA
F13aDench  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F14aPundu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F15aPalbi  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
```

Fortsetzung (15/36):

```
           0000000000000000000011111111111111111111111111111111111111111111111111111
           9999999999999999999900000000000000000000000000000000000000000000000000000
           8888888889999999999900000000001111111111222222222233333333334444444445
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F17aAgamo  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F18aAorla  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F19aBacum  AATGAAT-------------------AGGTGCGGAAGCTATAATTGTAAACCGCGATCAAATCCATGGAA
F20aDurba  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F21aHsten  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F22aOeleg  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F23aPcoer  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F24aPvenu  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F25aRpugi  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F26aTfras  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F27aPmacr  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F29aNlaev  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F30aCmorr  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F31aTsomn  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F33aGmusa  AATGAATTAAATGATCCCAAATGAATAGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F34aPatro  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F35aPchia  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F36aOcarn  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F38aBping  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCGCGATTGAATCCATGGAA
F39aDgoer  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F40aDeste  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F41aPmira  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F42aDbrev  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F43aDglan  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F44aDlott  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F45aDscap  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F46aEhori  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F47aPloki  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F48aPrubr  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F49aElind  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F50aDeste  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F51aDbrev  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F52aPspat  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F53aPherz  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F7aAuaipe  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCGCGATCAAATCCATGGAA
F8aGglauc  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
F9aAkerte  AATGAAT-------------------AGGTGTGGAAGCTATAATTGTAAACCACGATCGAATCCATGGAA
```

Fortsetzung (16/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111
           0000000000000000000000000000000000000000000000011111111111111111111111
           5555555556666666666677777777778888888888999999999900000000001111111112
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
107bFelat  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
10aFrexia  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
117aFgrac  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
118aFchiq  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
120aFchiq  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
121aFpeti  GCATTGGTTTATACATTCCTTTTAGTCTCAACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
129aFbati  GCATTGGTTTATACATTCCTTTTAGTCTCAACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
12aFnowic  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
132aFmicr  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
133aFmicr  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
135bFschi  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
136bFvill  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
137bFrusb  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
138bFwebe  GCATTGGTTTATACATTCCTTTTAGTCTCAACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
139bFwind  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
13aFcotac  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
140bFyuvi  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
141bFrusb  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
142bFcaul  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
143aFgram  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
144aFspec  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
145aFwedd  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
18eFlatif  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
19gFgraci  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
22cFpendu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
23aFvasqu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
25fFvillo  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
26aFheter  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
28dFspeci  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
34aFchiqu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
35aFlatif  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
36aFcotac  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
37aFcotac  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
3aFcaules  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
45cFpendu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
46dFpendu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
48dFweber  GCATTGGTTTATACATTCCTTTTAGTCTCAACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
50bFpendu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
55aFpendu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
56aFcotac  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
58cFnowic  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
60aFelata  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
62aFalbic  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
63bFvasqu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
64aFalbic  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
67dFflori  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
71cFgrami  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
72aFyuvin  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
76dFcotac  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
80aFcaule  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
86aFschid  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
87aFspect  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATTTTTTTTCGAGAAC
93aFspeci  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
94cFalbic  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
95cFweber  GCATTGGTTTATACATTCCTTTTAGTCTCAACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
9dFrexiae  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F10aCflor  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F11aHarge  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F12aBserr  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F13aDench  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F14aPundu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F15aPalbi  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
```

Fortsetzung (16/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           000000000000000000000000000000000000000000000000111111111111111111111111
           555555555666666666667777777777888888888899999999990000000000111111111112
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F17aAgamo  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F18aAorla  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F19aBacum  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGACC
F20aDurba  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F21aHsten  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F22aOeleg  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F23aPcoer  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F24aPvenu  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F25aRpugi  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F26aTfras  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F27aPmacr  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F29aNlaev  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F30aCmorr  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F31aTsomn  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F33aGmusa  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F34aPatro  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F35aPchia  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F36aOcarn  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F38aBping  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F39aDgoer  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F40aDeste  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F41aPmira  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F42aDbrev  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F43aDglan  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F44aDlott  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F45aDscap  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F46aEhori  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F47aPloki  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F48aPrubr  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F49aElind  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F50aDeste  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F51aDbrev  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F52aPspat  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F53aPherz  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F7aAuaipe  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATCTTTTTCGCTATCTTTTTTCGAGACC
F8aGglauc  GCATTGGTTTATACATTCCTTTTGGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
F9aAkerte  GCATTGGTTTATACATTCCTTTTAGTCTCGACTTTAGGGATAATTTTTTTCGCTATCTTTTTTCGAGAAC
```

Fortsetzung (17/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111
           1111111111111111111111111111111111111111111111111111111111111111111111
           2222222223333333333444444444455555555556666666666677777777778888888889
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
107bFelat  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
10aFrexia  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
117aFgrac  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
118aFchiq  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
120aFchiq  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
121aFpeti  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
129aFbati  CGCCCAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
12aFnowic  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
132aFmicr  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
133aFmicr  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
135bFschi  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
136bFvill  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
137bFrusb  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
138bFwebe  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
139bFwind  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
13aFcotac  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
140bFyuvi  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
141bFrusb  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
142bFcaul  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
143aFgram  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
144aFspec  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
145aFwedd  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
18eFlatif  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
19gFgraci  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
22cFpendu  CGCCTAAGGTTCCGACCAAAAAAACGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
23aFvasqu  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
25fFvillo  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
26aFheter  CACCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
28dFspeci  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
34aFchiqu  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
35aFlatif  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
36aFcotac  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
37aFcotac  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
3aFcaules  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
45cFpendu  CGCCTAAGGTTCCGACCAAAAAAACGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
46dFpendu  CGCCTAAGGTTCCGACCAAAAAAACGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
48dFweber  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
50bFpendu  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
55aFpendu  CGCCTAAGGTTCCGACCAAAAAAACGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
56aFcotac  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
58cFnowic  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
60aFelata  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
62aFalbic  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
63bFvasqu  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
64aFalbic  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
67dFflori  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
71cFgrami  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
72aFyuvin  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
76dFcotac  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
80aFcaule  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
86aFschid  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
87aFspect  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
93aFspeci  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCTTCCC
94cFalbic  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
95cFweber  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
9dFrexiae  CGCCTAAGGTTCCGACCAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F10aCflor  CGCCTAAGGTTCCAACAAAAAAAATAAAATAACTTTTTGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F11aHarge  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTTTCGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F12aBserr  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F13aDench  CTCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F14aPundu  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTTACTTTATAATTTAATTGAAGTAATGAGCCT-CCC
F15aPalbi  CGCCTAAGGTTCCGACTAAAAAAATAAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
```

Fortsetzung (17/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           111111111111111111111111111111111111111111111111111111111111111111111111
           222222222333333333344444444445555555555666666666677777777778888888889
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTTACTTTATAATTTAATTGAAGTAATGAGCCT-CCC
F17aAgamo  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F18aAorla  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F19aBacum  CGCCTAAGGTTCCGACTAAAAAAATGAAATAATTTTTCGAAAGAATTTCATTGAAGTAATGAGCCT-CCC
F20aDurba  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F21aHsten  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTTTCGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F22aOeleg  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F23aPcoer  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F24aPvenu  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAGTTGAAGTAATGAGCCT-CCC
F25aRpugi  CACCTAAGGTTCCGACTAAAAAAATGAAATAACCTTTCGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F26aTfras  CACCTAAGGTTCCGACTAAAAAAATGAAATAACCTTTCGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F27aPmacr  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTTACTTTATAATTTAATTGAAGTAATGAGCCT-CCC
F29aNlaev  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F30aCmorr  CGCCTAAGGTTCCAACAAAAAAAATGAAATAACTTTTTGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F31aTsomn  CACCTAAGGTTCCGACTAAAAAAATGAAATAACCTTTCGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F33aGmusa  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACCTTTCGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F34aPatro  CGCCTAAGGTTCCGACTAAAAAAATAAAATAACTTTACTTTATAATTTAATTGAAGTAATGAGCCT-CCC
F35aPchia  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTTACTTTATAATTTAATTGAAGTAATGAGCCT-CCC
F36aOcarn  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F38aBping  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----AGAATTTAATTGAAGTAATGAGCCT-CCC
F39aDgoer  CTCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F40aDeste  CTCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F41aPmira  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----CTAATTTAATTGAAGTAATGAGCCT-CCC
F42aDbrev  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F43aDglan  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F44aDlott  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F45aDscap  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----AGAATTTAATTGAAGTAATGAGCCT-CCC
F46aEhori  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F47aPloki  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F48aPrubr  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTTACTTTATAATTTAATTGAAGTAATGAGCCT-CCC
F49aElind  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F50aDeste  CTCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F51aDbrev  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F52aPspat  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----CTAATTTAATTGAAGTAATGAGCCT-CCC
F53aPherz  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
F7aAuaipe  CGCCTAAGGTTCCGACTAAAAAAATGAAATAATTTTTAGAAATAATTTCATTGAAGTAATGAGCCT-CCC
F8aGglauc  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACCTTTCGAAATAATTTAATTGAAGTAATGAGCCT-CCC
F9aAkerte  CGCCTAAGGTTCCGACTAAAAAAATGAAATAACTTT-----ATAATTTAATTGAAGTAATGAGCCT-CCC
```

Fortsetzung (18/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           111111111222222222222222222222222222222222222222222222222222222222222222
           999999999000000000011111111112222222222333333333344444444445555555555556
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
107bFelat  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
10aFrexia  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
117aFgrac  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
118aFchiq  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
120aFchiq  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
121aFpeti  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
129aFbati  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
12aFnowic  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
132aFmicr  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
133aFmicr  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
135bFschi  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
136bFvill  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
137bFrusb  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
138bFwebe  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
139bFwind  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
13aFcotac  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
140bFyuvi  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
141bFrusb  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
142bFcaul  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
143aFgram  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
144aFspec  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
145aFwedd  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
18eFlatif  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
19gFgraci  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
22cFpendu  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
23aFvasqu  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
25fFvillo  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
26aFheter  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
28dFspeci  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
34aFchiqu  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
35aFlatif  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
36aFcotac  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
37aFcotac  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
3aFcaules  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
45cFpendu  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
46dFpendu  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
48dFweber  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
50bFpendu  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
55aFpendu  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
56aFcotac  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
58cFnowic  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
60aFelata  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
62aFalbic  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
63bFvasqu  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
64aFalbic  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
67dFflori  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
71cFgrami  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
72aFyuvin  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
76dFcotac  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
80aFcaule  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
86aFschid  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
87aFspect  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
93aFspeci  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
94cFalbic  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
95cFweber  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
9dFrexiae  G---TAT-TGGGAAGGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F10aCflor  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCATGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F11aHarge  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F12aBserr  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F13aDench  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F14aPundu  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F15aPalbi  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
```

Fortsetzung (18/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           111111111222222222222222222222222222222222222222222222222222222222222222
           999999999000000000011111111112222222222333333333344444444445555555555556
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F17aAgamo  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F18aAorla  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F19aBacum  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F20aDurba  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F21aHsten  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F22aOeleg  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F23aPcoer  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F24aPvenu  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F25aRpugi  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F26aTfras  G---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F27aPmacr  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F29aNlaev  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F30aCmorr  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCATGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F31aTsomn  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F33aGmusa  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F34aPatro  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F35aPchia  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F36aOcarn  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F38aBping  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F39aDgoer  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F40aDeste  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F41aPmira  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F42aDbrev  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F43aDglan  A----ATACGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F44aDlott  G---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F45aDscap  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F46aEhori  CCCATAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F47aPloki  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F48aPrubr  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F49aElind  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F50aDeste  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F51aDbrev  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F52aPspat  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F53aPherz  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F7aAuaipe  A----ATATGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F8aGglauc  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
F9aAkerte  A---TAT-TGGGA-GGCTCATTACTTCAACTAGTCCCCGTGTTCTTCGAATGGATCTCTTAGTTGTTGAG
```

Fortsetzung (19/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           222222222222222222222222222222222222222333333333333333333333333333333333
           666666666777777777788888888889999999999000000000011111111112222222223
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
107bFelat  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
10aFrexia  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
117aFgrac  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
118aFchiq  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
120aFchiq  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
121aFpeti  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
129aFbati  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
12aFnowic  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
132aFmicr  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
133aFmicr  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
135bFschi  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
136bFvill  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
137bFrusb  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
138bFwebe  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
139bFwind  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
13aFcotac  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
140bFyuvi  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
141bFrusb  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
142bFcaul  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
143aFgram  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
144aFspec  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
145aFwedd  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
18eFlatif  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
19gFgraci  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
22cFpendu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
23aFvasqu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
25fFvillo  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
26aFheter  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
28dFspeci  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
34aFchiqu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
35aFlatif  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
36aFcotac  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
37aFcotac  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
3aFcaules  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
45cFpendu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
46dFpendu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
48dFweber  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
50bFpendu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
55aFpendu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
56aFcotac  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
58cFnowic  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
60aFelata  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
62aFalbic  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
63bFvasqu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
64aFalbic  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
67dFflori  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
71cFgrami  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
72aFyuvin  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
76dFcotac  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
80aFcaule  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
86aFschid  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
87aFspect  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
93aFspeci  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
94cFalbic  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
95cFweber  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
9dFrexiae  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F10aCflor  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTCACAAGTAAACCAGATATGGAGATGGC
F11aHarge  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F12aBserr  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F13aDench  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F14aPundu  AAGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F15aPalbi  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
```

Fortsetzung (19/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           222222222222222222222222222222222222222333333333333333333333333333333333
           666666666777777777788888888889999999999000000000011111111112222222223
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  AAGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F17aAgamo  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F18aAorla  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F19aBacum  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F20aDurba  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F21aHsten  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F22aOeleg  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F23aPcoer  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F24aPvenu  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F25aRpugi  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F26aTfras  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F27aPmacr  AAGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F29aNlaev  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F30aCmorr  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTCACAAGTAAACCAGATATGGAGATGGC
F31aTsomn  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F33aGmusa  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F34aPatro  AAGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F35aPchia  AAGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F36aOcarn  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F38aBping  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F39aDgoer  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F40aDeste  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F41aPmira  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F42aDbrev  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F43aDglan  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATAGAGATGGC
F44aDlott  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATAGAGATGGC
F45aDscap  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F46aEhori  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F47aPloki  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F48aPrubr  AAGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCTGATATGGAGATGGC
F49aElind  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F50aDeste  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F51aDbrev  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F52aPspat  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F53aPherz  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F7aAuaipe  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F8aGglauc  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
F9aAkerte  AGGGTTGCCCAAAAGCGGTATATAAGGCGTACCCAGTAAAGCTTACAAGTAAACCAGATATGGAGATGGC
```

Fortsetzung (20/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           333333333333333333333333333333333333333333333333333333333333333333333334
           333333333444444444455555555556666666666677777777778888888888999999999990
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
107bFelat  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATAGTTTATT
10aFrexia  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
117aFgrac  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
118aFchiq  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
120aFchiq  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
121aFpeti  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
129aFbati  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
12aFnowic  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
132aFmicr  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
133aFmicr  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
135bFschi  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
136bFvill  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
137bFrusb  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
138bFwebe  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
139bFwind  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
13aFcotac  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
140bFyuvi  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
141bFrusb  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATAGTTTATT
142bFcaul  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
143aFgram  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
144aFspec  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
145aFwedd  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
18eFlatif  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
19gFgraci  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
22cFpendu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
23aFvasqu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
25fFvillo  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
26aFheter  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
28dFspeci  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
34aFchiqu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
35aFlatif  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
36aFcotac  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
37aFcotac  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
3aFcaules  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
45cFpendu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
46dFpendu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
48dFweber  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
50bFpendu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
55aFpendu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
56aFcotac  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
58cFnowic  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
60aFelata  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATAGTTTATT
62aFalbic  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
63bFvasqu  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
64aFalbic  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
67dFflori  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
71cFgrami  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
72aFyuvin  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
76dFcotac  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
80aFcaule  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
86aFschid  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
87aFspect  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
93aFspeci  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
94cFalbic  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
95cFweber  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
9dFrexiae  GACTAGGGTTGCTGTTTCCATTTTTAGATGATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F10aCflor  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAGTGGATCTACGATAAGATCGTTTATT
F11aHarge  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGCTTATT
F12aBserr  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F13aDench  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F14aPundu  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F15aPalbi  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCATTTATT
```

Fortsetzung (20/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           333333333333333333333333333333333333333333333333333333333333333333333334
           333333333444444444455555555556666666666677777777778888888888999999999990
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
F16aPgraf  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F17aAgamo  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F18aAorla  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F19aBacum  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F20aDurba  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F21aHsten  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGCTTATT
F22aOeleg  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F23aPcoer  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F24aPvenu  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F25aRpugi  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F26aTfras  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATTGTTTATT
F27aPmacr  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCATTTATT
F29aNlaev  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F30aCmorr  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAGTGGATCTACGATAAGATCGTTTATT
F31aTsomn  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F33aGmusa  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F34aPatro  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F35aPchia  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F36aOcarn  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F38aBping  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F39aDgoer  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F40aDeste  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F41aPmira  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F42aDbrev  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F43aDglan  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F44aDlott  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F45aDscap  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F46aEhori  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F47aPloki  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCATTTATT
F48aPrubr  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F49aElind  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F50aDeste  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F51aDbrev  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCCACGATAAGATCGTTTATT
F52aPspat  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F53aPherz  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F7aAuaipe  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F8aGglauc  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
F9aAkerte  GACTAGGGTTGCTGTTTCCATTTTTAGATAATTTCAAGATCACAATGGATCTACGATAAGATCGTTTATT
```

Fortsetzung (21/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           444444444444444444444444444444444444444444444444444444444444444444444444
           000000000111111111122222222223333333333444444444455555555556666666666667
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
107bFelat  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GGC
10aFrexia  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
117aFgrac  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
118aFchiq  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
120aFchiq  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATT-ATTATGGC
121aFpeti  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GGC
129aFbati  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
12aFnowic  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGGTAAATAGGATT-AT---GGC
132aFmicr  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
133aFmicr  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
135bFschi  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
136bFvill  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGG?
137bFrusb  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
138bFwebe  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GG?
139bFwind  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
13aFcotac  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
140bFyuvi  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
141bFrusb  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
142bFcaul  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
143aFgram  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
144aFspec  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
145aFwedd  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GGC
18eFlatif  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
19gFgraci  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGG?
22cFpendu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
23aFvasqu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GGC
25fFvillo  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
26aFheter  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
28dFspeci  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
34aFchiqu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
35aFlatif  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
36aFcotac  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GG?
37aFcotac  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GGC
3aFcaules  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
45cFpendu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTAT???
46dFpendu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
48dFweber  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GGC
50bFpendu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
55aFpendu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
56aFcotac  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
58cFnowic  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
60aFelata  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
62aFalbic  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
63bFvasqu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
64aFalbic  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
67dFflori  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
71cFgrami  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATT-AT---GGC
72aFyuvin  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
76dFcotac  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
80aFcaule  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
86aFschid  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
87aFspect  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
93aFspeci  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTATTATGGC
94cFalbic  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
95cFweber  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
9dFrexiae  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F10aCflor  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F11aHarge  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGG???????????
F12aBserr  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F13aDench  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F14aPundu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F15aPalbi  TACAACTACAACAGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
```

Fortsetzung (21/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           4444444444444444444444444444444444444444444444444444444444444444444444444
           0000000001111111111222222222233333333334444444444555555555566666666667
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F17aAgamo  TACAACTACACCGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F18aAorla  TACAACTACACCGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F19aBacum  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTA----GGC
F20aDurba  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F21aHsten  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F22aOeleg  -ACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCA-CCAATCGTTAAATAGGATTTAT---GGC
F23aPcoer  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F24aPvenu  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F25aRpugi  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F26aTfras  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F27aPmacr  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F29aNlaev  TACAACTACACCGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F30aCmorr  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F31aTsomn  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATC??????????????????????
F33aGmusa  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F34aPatro  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F35aPchia  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F36aOcarn  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F38aBping  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F39aDgoer  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F40aDeste  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F41aPmira  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F42aDbrev  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F43aDglan  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F44aDlott  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F45aDscap  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F46aEhori  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F47aPloki  TACAACTACAACAGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F48aPrubr  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F49aElind  TACAACTACACCGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F50aDeste  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F51aDbrev  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F52aPspat  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F53aPherz  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F7aAuaipe  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
F8aGglauc  TACAACTACAACGGAATAGTATACAAAGTCAACAGATCTCAACCAATCATTAAATAGGATTTAT---GGC
F9aAkerte  TACAACTACACCGGAATAGTATACAAAGTCAACAGATCTCAACCAATCGTTAAATAGGATTTAT---GGC
```

Fortsetzung (22/36):

```
           11111111111111111111111111111111111111111111111111111111111111111111111
           44444444444444444444444444444555555555555555555555555555555555555555555
           77777777788888888889999999999900000000001111111111222222222233333333334
Taxon      12345678901234567890123456789012345678901234567890123456789012345678890
-------------------------------------------------------------------------------
104aFvill  TACACAA00000100001000111101 1000--1-AGTAATGAAGGATGCTCTTGGCTCGACATAGTTTG
107bFelat  TACACAA00001100001000111101 10001-1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
10aFrexia  TACACAA10000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
117aFgrac  TACACAA000101000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
118aFchiq  TACACAA000001000010001110 1-0100----AGTAATGA-GG-TGCTCTTGGCTCGACATAATTTG
120aFchiq  TACACAA-00001000010001110 1-01001---AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
121aFpeti  TA?????00000100000000111101 10001010AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
129aFbati  TACACAA---00100000001111011000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
12aFnowic  TACAC??---00000001000111101 10001010AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
132aFmicr  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
133aFmicr  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
135bFschi  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
136bFvill  ???????00000100001000111 01-0100000-AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
137bFrusb  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
138bFwebe  ???????00000100000000111101 1000101-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
139bFwind  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
13aFcotac  TACACAA00000000001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
140bFyuvi  ???????00000100001000111101 1000001-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
141bFrusb  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
142bFcaul  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
143aFgram  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
144aFspec  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
145aFwedd  TA?????---00100001000111101 10001010AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
18eFlatif  TACACAA000001000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
19gFgraci  ???????000001000010001110 1-0100000-AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
22cFpendu  TACACAA001001000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
23aFvasqu  TA?????00000100001000111101 10001010AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
25fFvillo  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
26aFheter  TACACAA-00001000010001111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
28dFspeci  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
34aFchiqu  TACA???000001000010001110 1-01000000AGTAATGA-GGATGCTCTTGGCCCGACATAATTTG
35aFlatif  TACACAA000001000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
36aFcotac  ???????00000100001000111101 1000001-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
37aFcotac  T-C????0000000000100011110110001011AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
3aFcaules  TA?????00000100001000111101 10000010AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
45cFpendu  ???????--00010000100011101 -0100000-AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
46dFpendu  TACACAA000001000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
48dFweber  TA?????00000100000000111101 10001010AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
50bFpendu  TACACAA000001000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
55aFpendu  TACACAA000001000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
56aFcotac  TACACAA00000100001000111101 1000--1-CGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
58cFnowic  TACACAA01000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
60aFelata  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
62aFalbic  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
63bFvasqu  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
64aFalbic  TACACAA00000100001000011101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
67dFflori  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
71cFgrami  TACACAA00000100001000111101 10001-1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
72aFyuvin  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
76dFcotac  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
80aFcaule  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
86aFschid  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
87aFspect  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
93aFspeci  TACACAA000001000010001110 1-0100----AGTAATGA-GGATGCTCTTGGCTCGACATAATTTG
94cFalbic  TACACAA00000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
95cFweber  TACACAA00000100000000111101 1000--1-CGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
9dFrexiae  TACACAA10000100001000111101 1000--1-AGTAATGA-GGATGCTCTTGGTTCGACATAGTTTG
F10aCflor  TACACAA000001000010101101 1-0100--1-????????????GCTCTTGGCTCGACATAGTTTG
F11aHarge  ???????---00100001000110101 1100----????????????GCTCTTGGCTCGACATAGTTTG
F12aBserr  TACACAA00000100001010111101 1100--1-???????????TGCTCTTGGCTCG-CATAGTTTG
F13aDench  TACACAA00000110001000111101 1100--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F14aPundu  TACACAA00000100001000110101 1100--1-AGTAATGA-G--TGCTCTTGGCTCGACATAGTTTG
F15aPalbi  TACACAA00000110001000111101 1100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
```

Fortsetzung (22/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           4444444444444444444444444444445555555555555555555555555555555555555555555
           7777777778888888888999999999900000000001111111111222222222233333333334
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TACACAA00000100001000110101110 0--1-????????????TGCTCTTGGCTCGACATAGTTTG
F17aAgamo  TACACAA00000100001001-111011100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F18aAorla  TACACAA00000100001001-1111-0100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F19aBacum  TACACA?-00001000100001101011100 01-0????????????TGCTCTTGGCTCGACATAGTTTG
F20aDurba  TACACAA00000100001000111101110 0--1-AGTA-TGAAG--TGCTCTTGGCTCGACATAGTTTG
F21aHsten  TACACAA00000100001000110110-0100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F22aOeleg  TACACAA00000100001000111110-0111--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F23aPcoer  TACACAA00000100001000111101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F24aPvenu  TACACAA00000100001000111101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F25aRpugi  TACACAA00000110101000110110-0100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F26aTfras  TACACAA00000110101001-101011100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F27aPmacr  TACACAA00000100001000110101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F29aNlaev  TACACAA00000100001001-1111-0100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F30aCmorr  TACACAA00000100001010110110-0100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F31aTsomn  ???????000001-10010001101011100----AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F33aGmusa  TACACAA00000110001000110010 11100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F34aPatro  TACACAA00000100001000110101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F35aPchia  TACACAA00000100001000110101110 0--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F36aOcarn  TACACAA00000100001000111110-0100--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F38aBping  TACACAA00000100001010111101110 0--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F39aDgoer  TACACAA00000110001000111101110 0--1-AGTAATGA-GGAtGCtCTTGGCTCGACATAGTTTG
F40aDeste  TACACAA00000110001000111101110 0--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F41aPmira  TACACAA00000100001000111110-0100--1-AGTAATGAAG-ATGCTCTTGGCACGACATATTTG
F42aDbrev  TACACAA0000010000-1001111011100--1-AGTAATGA-GGA-GCTCTTGGCTCGACATAGTTTG
F43aDglan  TACACAA00000100001000111110-0100--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F44aDlott  TACACAA00000100001000111101110 0--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F45aDscap  TACACAA00000110001000111101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F46aEhori  TACACAA00000110001000111100110 0--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F47aPloki  TACACAA00000110001000111101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F48aPrubr  TACACAA00000100001000110101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F49aElind  TACACAA00000100001001-1111-0100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F50aDeste  TACACAA00000110001000111110-0100--1-AGTAATGA-GGATGCTCTTGGCTCGACATAGTTTG
F51aDbrev  TACACAA00000110001000111101110 0--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F52aPspat  TACACAA00000100001000111110-0100--1-AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F53aPherz  TACAC??--00010000100011111-01000010AGTAATGAAG-ATGCTCTTGGCTCGACATAGTTTG
F7aAuaipe  TACACAA00000100010000010 11-0100--1-??????????????TCTTGGCTCGACATAGTTTG
F8aGglauc  TACACAA00000110001000110101110 0--1-????????????GCTCTTGGCTCGACATAGTTTG
F9aAkerte  TACACAA00000100001001-111011100--1-AGTA-TGA-G--TGCTCTTGGCTCGACATAGTTTG
```

Fortsetzung (23/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           5555555555555555555555555555555555555555555555555555555555555555666666666666
           4444444445555555555566666666667777777777888888888899999999990000000000001
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
107bFelat  TTCTG-----GCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
10aFrexia  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
117aFgrac  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
118aFchiq  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
120aFchiq  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
121aFpeti  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
129aFbati  TTCTG-----CCCGGAACCAAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
12aFnowic  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
132aFmicr  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
133aFmicr  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
135bFschi  TTCTG-----TCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
136bFvill  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
137bFrusb  TTCTG-----TCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
138bFwebe  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
139bFwind  TTCTG-----GCCGGAACCTAATTTGT----------------AAGTAAATAGTACATTATGAAGCTCGA
13aFcotac  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
140bFyuvi  TTCTG-----GCCGGAACCTAATTTGT----------------AAGTAAATAGTACATTATGAAGCTCGA
141bFrusb  TTCTG-----GCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
142bFcaul  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
143aFgram  TTCTG-----TCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
144aFspec  TTCTG-----GCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
145aFwedd  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
18eFlatif  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
19gFgraci  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
22cFpendu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
23aFvasqu  TTCTG-----GCCGGAACCTAATTTGT----------------AAGTAAATAGTACATTATGAAGCTCGA
25fFvillo  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
26aFheter  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
28dFspeci  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
34aFchiqu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
35aFlatif  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
36aFcotac  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
37aFcotac  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
3aFcaules  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
45cFpendu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
46dFpendu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
48dFweber  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
50bFpendu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
55aFpendu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
56aFcotac  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
58cFnowic  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
60aFelata  TTCTG-----GCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
62aFalbic  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
63bFvasqu  TTCTG-----GCCGGAACCTAATTTGT----------------AAGTAAATAGTACATTATGAAGCTCGA
64aFalbic  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
67dFflori  TTCTG-----GCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
71cFgrami  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
72aFyuvin  TTCTG-----GCCGGAACCTAATTTGT----------------AAGTAAATAGTACATTATGAAGCTCGA
76dFcotac  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
80aFcaule  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
86aFschid  TTCTG-----TCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
87aFspect  TTCTG-----GCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
93aFspeci  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
94cFalbic  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
95cFweber  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
9dFrexiae  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F10aCflor  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAATAAATAGTACATGATGAAGCTCGA
F11aHarge  TTCTGTTCTGCCCGGAACCCTATTTG----GG-------TTATAAGTAAATAGTACATGATGAAGCTCGA
F12aBserr  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F13aDench  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGAAGCTCGA
F14aPundu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F15aPalbi  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
```

Fortsetzung (23/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           5555555555555555555555555555555555555555555555555555555555555566666666666
           4444444445555555555666666666677777777778888888888999999999900000000001
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F17aAgamo  TTCCG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F18aAorla  TTCCG-----CCCCGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F19aBacum  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F20aDurba  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F21aHsten  TTCTGTTCTGCCCGGAACCCTATTTG----GG-------TTATAAGTAAATAGTACATGATGAAGCTCGA
F22aOeleg  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F23aPcoer  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F24aPvenu  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F25aRpugi  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F26aTfras  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F27aPmacr  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F29aNlaev  TTCCG-----CCCGGAACCTAATTTGTGTTGGGTTAGGGTTATAAGTAAATAGTACATTATGAAGCTCGA
F30aCmorr  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F31aTsomn  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F33aGmusa  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F34aPatro  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F35aPchia  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F36aOcarn  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F38aBping  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F39aDgoer  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGaAGCTCGA
F40aDeste  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGAAGCTCGA
F41aPmira  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F42aDbrev  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGAAGCTCGA
F43aDglan  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGAAGCTCGA
F44aDlott  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGAAGCTCGA
F45aDscap  TTCTG-----CCCGGAACCTAAT-------------------------------------GAAGCTCGA
F46aEhori  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGAAGCTCGA
F47aPloki  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F48aPrubr  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F49aElind  TTCCG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F50aDeste  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTTTAAGTAAATAGTACATTATGAAGCTCGA
F51aDbrev  TTCTG-----CCCGGAACCTAAT-------------------------------------GAAGCTCGA
F52aPspat  TTCTG-----CCCGGAACCTAAT-------------------------------------GAAGCTCGA
F53aPherz  TTCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
F7aAuaipe  TCCTG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F8aGglauc  TTCTGTTCTGCCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATGATGAAGCTCGA
F9aAkerte  TTCCG-----CCCGGAACCTAATTTGTGTTGGG------TTATAAGTAAATAGTACATTATGAAGCTCGA
```

Fortsetzung (24/36):

```
           111111111111111111111111111111111111111111111111111111111111111111111111
           666666666666666666666666666666666666666666666666666666666666666666666666
           111111111222222222233333333334444444444555555555566666666667777777778
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  GAAGAAAGGATTGATTCCTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
107bFelat  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
10aFrexia  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
117aFgrac  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
118aFchiq  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
120aFchiq  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
121aFpeti  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
129aFbati  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
12aFnowic  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTAAAAATCAATAAGTTAGACCAAC
132aFmicr  GAAGAAAGGATTGATTCCTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
133aFmicr  GAAGAAAGGATTGATTCCTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
135bFschi  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
136bFvill  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
137bFrusb  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
138bFwebe  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
139bFwind  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
13aFcotac  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTAAAAATCAATAAGTTAGACCAAC
140bFyuvi  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
141bFrusb  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
142bFcaul  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
143aFgram  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
144aFspec  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
145aFwedd  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
18eFlatif  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
19gFgraci  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
22cFpendu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
23aFvasqu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
25fFvillo  GAAGAAAGGATTGATTCCTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
26aFheter  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
28dFspeci  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
34aFchiqu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
35aFlatif  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
36aFcotac  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTAAAAATCAATAAGTTAGACCAAC
37aFcotac  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTAAAAATCAATAAGTTAGACCAAC
3aFcaules  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
45cFpendu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
46dFpendu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
48dFweber  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
50bFpendu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
55aFpendu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
56aFcotac  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTAAAAATCAATAAGTTAGACCAAC
58cFnowic  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTAAAAATCAATAAGTTAGACCAAC
60aFelata  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
62aFalbic  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
63bFvasqu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
64aFalbic  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
67dFflori  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
71cFgrami  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
72aFyuvin  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
76dFcotac  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTAAAAATCAATAAGTTAGACCAAC
80aFcaule  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
86aFschid  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
87aFspect  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
93aFspeci  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
94cFalbic  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
95cFweber  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
9dFrexiae  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F10aCflor  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F11aHarge  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F12aBserr  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F13aDench  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F14aPundu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTTAAAATCAATAAGTTAGACCAAC
F15aPalbi  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
```

Fortsetzung (24/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           6666666666666666666666666666666666666666666666666666666666666666666666666
           1111111112222222222333333333344444444445555555555666666666667777777778
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  GAAGAAAGGATTCATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTTAAAATCAATAAGTTAGACCAAC
F17aAgamo  GAAGAAAAGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F18aAorla  GAAGAAAAGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F19aBacum  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F20aDurba  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F21aHsten  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F22aOeleg  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F23aPcoer  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F24aPvenu  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F25aRpugi  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F26aTfras  GAAGAAAAGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F27aPmacr  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTTAAAATCAATAAGTTAGACCAAC
F29aNlaev  GAAGAAAAGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F30aCmorr  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F31aTsomn  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F33aGmusa  GAAGAAGGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F34aPatro  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTTAAAATCAATAAGTTAGACCAAC
F35aPchia  GAAGAAAGGATTCATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTTAAAATCAATAAGTTAGACCAAC
F36aOcarn  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F38aBping  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F39aDgoer  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F40aDeste  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F41aPmira  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F42aDbrev  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F43aDglan  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F44aDlott  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F45aDscap  GAAGAAAGGATTGATTCCTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F46aEhori  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F47aPloki  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F48aPrubr  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTTAAAATCAATAAGTTAGACCAAC
F49aElind  GAAGAAAAGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F50aDeste  GAAGAAAGGATTGATTCGTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F51aDbrev  GAAGAAAGGATTGATTCCTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F52aPspat  GAAGAAAGGATTGATTCCTTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F53aPherz  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F7aAuaipe  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F8aGglauc  GAAGAAAGGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
F9aAkerte  GAAGAAAAGATTGATTCATTTTTCAAGGGAAAGAATCTAGGGTTAGTGAAAATCAATAAGTTAGACCAAC
```

Fortsetzung (25/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           6666666666666666666677777777777777777777777777777777777777777777777777777
           8888888889999999999900000000001111111111222222222233333333334444444445
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
107bFelat  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
10aFrexia  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
117aFgrac  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
118aFchiq  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
120aFchiq  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
121aFpeti  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
129aFbati  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
12aFnowic  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCTAAAATATAAA--------TTCTAAATGG
132aFmicr  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
133aFmicr  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
135bFschi  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
136bFvill  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
137bFrusb  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
138bFwebe  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATGGAAAG-----------------
139bFwind  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCA-AAATGGAAAG----------------
13aFcotac  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCTAAAATATAAA--------TTCTAAATGG
140bFyuvi  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
141bFrusb  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
142bFcaul  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
143aFgram  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
144aFspec  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
145aFwedd  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
18eFlatif  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
19gFgraci  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
22cFpendu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
23aFvasqu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
25fFvillo  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
26aFheter  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
28dFspeci  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
34aFchiqu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
35aFlatif  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
36aFcotac  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCTAAAATATAAA--------TTCTAAATGG
37aFcotac  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCTAAAATATAAA--------TTCTAAATGG
3aFcaules  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
45cFpendu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
46dFpendu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
48dFweber  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATGGAAAG-----------------
50bFpendu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
55aFpendu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
56aFcotac  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCTAAAATATAAA--------TTCTAAATGG
58cFnowic  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCTAAAATATAAA--------TTCTAAATGG
60aFelata  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
62aFalbic  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
63bFvasqu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
64aFalbic  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
67dFflori  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
71cFgrami  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAGATATAAATTCAAAATTG
72aFyuvin  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
76dFcotac  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCTAAAATATAAA--------TTCTAAATGG
80aFcaule  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
86aFschid  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
87aFspect  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
93aFspeci  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
94cFalbic  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
95cFweber  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCA-AAATGGAAAG----------------
9dFrexiae  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCC-AAATTGAAAG----------------
F10aCflor  TCTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
F11aHarge  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG----------------
F12aBserr  TTTGTAAGTATATCCTCACTATATATAAAAT--------TCT-AAATTGAAAG----------------
F13aDench  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
F14aPundu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
F15aPalbi  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG----------------
```

Fortsetzung (25/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           6666666666666666666677777777777777777777777777777777777777777777777777777
           8888888889999999999900000000001111111111222222222233333333334444444445
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F17aAgamo  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAA----------------TG
F18aAorla  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F19aBacum  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG-----------------
F20aDurba  TTTGTAAGTATATCCTCACTATATATAA-AT--------TC-AAAATTGAAAG-----------------
F21aHsten  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG-----------------
F22aOeleg  TTTGTAAGTATATCCTCACTATATATAATATA----AATTCT-AAATTGAAAG-----------------
F23aPcoer  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCG-AAATTGAAAG-----------------
F24aPvenu  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCG-AAATTGAAAG-----------------
F25aRpugi  TCTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG-----------------
F26aTfras  TCTGTAAGTATATCCTCACTATATATAA-ATATATAAATTAT-AAATCGAAAG-----------------
F27aPmacr  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F29aNlaev  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAA----------------TG
F30aCmorr  TCTGTAAGTATATCCTCACTATATATAA-AT-------TTCT-AAATTGAAAG-----------------
F31aTsomn  TCTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG-----------------
F33aGmusa  TCTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG-----------------
F34aPatro  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F35aPchia  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F36aOcarn  TTTGTAAGTATATCCTCACTATATATAATATA----AATTCT-AAATTGAAAG-----------------
F38aBping  TTTGTAAGTATATCCTCACTATATATAA--TA----AATTCT-AAATTGAAAG-----------------
F39aDgoer  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F40aDeste  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F41aPmira  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F42aDbrev  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F43aDglan  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F44aDlott  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F45aDscap  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F46aEhori  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F47aPloki  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F48aPrubr  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F49aElind  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAA----------------TG
F50aDeste  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F51aDbrev  TTTGTAAGTATATCCTCACTATATATAA-AT--------TAT-AAATTGAAAG-----------------
F52aPspat  TTTGTAAGTATATCCTCACTATATATAA-AT--------TAT-AAATTGAAAG-----------------
F53aPherz  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAAG-----------------
F7aAuaipe  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG-----------------
F8aGglauc  TCTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATCGAAAG-----------------
F9aAkerte  TTTGTAAGTATATCCTCACTATATATAA-AT--------TCT-AAATTGAAA----------------TG
```

Fortsetzung (26/36):

```
           11111111111111111111111111111111111111111111111111111111111111111111111111
           77777777777777777777777777777777777777777777777777888888888888888888888888
           55555555566666666667777777777888888888899999999990000000000111111111112
Taxon      12345678901234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
107bFelat  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
10aFrexia  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
117aFgrac  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
118aFchiq  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
120aFchiq  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
121aFpeti  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
129aFbati  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCCAATTTTT-GAAATTGGTAAAACTATTTCGACG
12aFnowic  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTAGTAAAACTATTTCGACG
132aFmicr  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
133aFmicr  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
135bFschi  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
136bFvill  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
137bFrusb  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
138bFwebe  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
139bFwind  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
13aFcotac  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTAGTAAAACTATTTCGACG
140bFyuvi  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
141bFrusb  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
142bFcaul  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
143aFgram  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
144aFspec  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
145aFwedd  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
18eFlatif  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
19gFgraci  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
22cFpendu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
23aFvasqu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
25fFvillo  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
26aFheter  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
28dFspeci  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
34aFchiqu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
35aFlatif  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
36aFcotac  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTAGTAAAACTATTTCGACG
37aFcotac  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTAGTAAAACTATTTCGACG
3aFcaules  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
45cFpendu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
46dFpendu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
48dFweber  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
50bFpendu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
55aFpendu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
56aFcotac  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTAGTAAAACTATTTCGACG
58cFnowic  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTAGTAAAACTATTTCGACG
60aFelata  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
62aFalbic  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
63bFvasqu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
64aFalbic  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
67dFflori  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
71cFgrami  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTGGTAAAACTATTTCGACG
72aFyuvin  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
76dFcotac  AAAGGTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTAGTAAAACTATTTCGACG
80aFcaule  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
86aFschid  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
87aFspect  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT--GAAATTGGTAAAACTATTTCGACG
93aFspeci  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTT-GGAAATTAGTAAAACTATTTCGACG
94cFalbic  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
95cFweber  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
9dFrexiae  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTT-GAAATTGGTAAAACTATTTCGACG
F10aCflor  ----GTTCAAATTCAGAATAAGTTTGAA----AAGTCAAATTTTTCTAAATTGGTAAAACAATTTCGATG
F11aHarge  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F12aBserr  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F13aDench  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F14aPundu  ----GTTCAAATTCAGAACAAGTTCGAA----AAGTCAAATTTGTCGAAATTGGTAAAACTATTTCGATG
F15aPalbi  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
```

Fortsetzung (26/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           7777777777777777777777777777777777777777777777777788888888888888888888888
           5555555556666666666677777777778888888888999999999990000000000111111111112
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  ----GTTCAAATTCAGAACAAGTTCGAA----AAGTAAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F17aAgamo  AAAGGTTCAAATTCAGAACAAGTTTGCA----AAGTCCAGTTTTTCGAAATTGGTAAAACTATTGCGATG
F18aAorla  ----GTTCAAATTCAGAACAAGTTTGCA----AAGTCCAATTTTTCGAAATTGGTAAAACTATTTCGATG
F19aBacum  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCCCATTTTTCGAAATTGGTAAAACTATTTCGATG
F20aDurba  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCAAAATTGGTAAAACTATTTCGATG
F21aHsten  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F22aOeleg  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F23aPcoer  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F24aPvenu  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F25aRpugi  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTATAAATTGGTAAAACTATTTCGATG
F26aTfras  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCTAAATTGGTAAAACTATTTTGATG
F27aPmacr  ----GTTCAAATTCAGAACAAGTTCGAA----AAGTCAAATTTGTCGAAATTGGTAAAACTATTTCGATG
F29aNlaev  AAAGGTTCAAATTCAGAACAAGTTTGCA----AAGTCCAATTTTTCGAAATTGGTAAAACTATTTCGATG
F30aCmorr  ----GTTCAAATTCAGAATAAGTTTGAA----AAGTCAAATTTTTCTAAATTGGTAAAACAATTTCGATG
F31aTsomn  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F33aGmusa  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTAGAAATTGGTAAAACTATTTCGATG
F34aPatro  ----GTTCAAATTCAGAACAAGTTCGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F35aPchia  ----GTTCAAATTCAGAACAAGTTCGAA----AAGTAAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F36aOcarn  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTAGAAATTGGTAAAACTATTTCGATG
F38aBping  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGGTAAAACTATTTCGATG
F39aDgoer  ----GTTCAAATTCGGAACAAGTTTGAATGAAAAGTCAAATTTTTTGAAATTGTTAAAACTATTTCGATG
F40aDeste  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F41aPmira  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCCAATTTTTCGAAATTGGTAAAACTATTTCGATG
F42aDbrev  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F43aDglan  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F44aDlott  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F45aDscap  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F46aEhori  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATAGTTTTAACAATTTCGATG
F47aPloki  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTAGAAATTGGTAAAACTATTTCGATG
F48aPrubr  ----GTTCAAATTCAGAACAAGTTCGAA----AAGTCAAATTTGTCGAAATTGGTAAAACTATTTCGATG
F49aElind  AAAAGTTCAAATTCAGAACAAGTTTGCA----AAGTCCAATTTTTCGAAATTGGTAAAACTATTTCGATG
F50aDeste  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F51aDbrev  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F52aPspat  ----GTTCAAATTCGGAACAAGTTTGAA----AAGTCAAATTTTTCGAAATTGTTAAAACTATTTCGATG
F53aPherz  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCCAATTTTTCGAAATTGGTAAAACTATTTCGATG
F7aAuaipe  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCCAATTTTTCGAAATTGGTAAAACTATTTCGATG
F8aGglauc  ----GTTCAAATTCAGAACAAGTTTGAA----AAGTCAAATTTTTCAAAATTGGTAAAACTATTTCGATG
F9aAkerte  AAAGGTTCAAATTCAGAACAAGTTTGCA----AAGTCCAGTTTTTCGAAATTGGTAAAACTATTTCGATG
```

Fortsetzung (27/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111
           8888888888888888888888888888888888888888888888888888888888888888888888
           2222222223333333333444444444455555555556666666666677777777778888888889
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTATTTCGTATTCTATTTATATAGAAAGATT
107bFelat  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
10aFrexia  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
117aFgrac  AAAAGTGTATCACAGGGGAATCAATCGTTCGTATTCT------------------------------ATT
118aFchiq  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
120aFchiq  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
121aFpeti  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAGGATT
129aFbati  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAGGATT
12aFnowic  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
132aFmicr  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTATTTCGTATTCTATTTATATAGAAAGATT
133aFmicr  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTATTTCGTATTCTATTTATATAGAAAGATT
135bFschi  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
136bFvill  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
137bFrusb  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
138bFwebe  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAGGATT
139bFwind  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
13aFcotac  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
140bFyuvi  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
141bFrusb  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
142bFcaul  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
143aFgram  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
144aFspec  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTTTTTAT----------------ATAGAAAGATT
145aFwedd  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
18eFlatif  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
19gFgraci  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
22cFpendu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
23aFvasqu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
25fFvillo  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTATTTCGTATTTTATTTATATAGAAAGATT
26aFheter  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
28dFspeci  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
34aFchiqu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
35aFlatif  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
36aFcotac  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
37aFcotac  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
3aFcaules  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
45cFpendu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
46dFpendu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
48dFweber  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAGGATT
50bFpendu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
55aFpendu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
56aFcotac  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
58cFnowic  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
60aFelata  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
62aFalbic  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
63bFvasqu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
64aFalbic  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
67dFflori  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
71cFgrami  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
72aFyuvin  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
76dFcotac  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
80aFcaule  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
86aFschid  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
87aFspect  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTTTTTAT----------------ATAGAAAGATT
93aFspeci  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
94cFalbic  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
95cFweber  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAGGATT
9dFrexiae  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCTATTTAT----------------ATAGAAAGATT
F10aCflor  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F11aHarge  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F12aBserr  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F13aDench  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F14aPundu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F15aPalbi  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTT-AT----------------------------ATT
```

Fortsetzung (27/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           8888888888888888888888888888888888888888888888888888888888888888888888888
           2222222223333333333444444444455555555556666666666677777777778888888888889
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F17aAgamo  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F18aAorla  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F19aBacum  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F20aDurba  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F21aHsten  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F22aOeleg  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F23aPcoer  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F24aPvenu  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F25aRpugi  AAAAGTGTATCACAAGGGAATCAATCATTCGTATTCT------------------------------ATT
F26aTfras  AAAAGTGTATCACAAGGGAATCAATCATTCGTATTCT------------------------------ATT
F27aPmacr  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F29aNlaev  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F30aCmorr  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F31aTsomn  AAAAGTGTATCACAAGGGAATCAATCATTCGTATTCT------------------------------ATT
F33aGmusa  AAAAGTGTATCACAAGGGAATCAATCATTCGTATTCT------------------------------ATT
F34aPatro  AAAAGTGTATCACAGGGGAATCAACCGTTCGTATTCT------------------------------ATT
F35aPchia  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F36aOcarn  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F38aBping  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F39aDgoer  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F40aDeste  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F41aPmira  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F42aDbrev  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F43aDglan  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F44aDlott  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F45aDscap  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F46aEhori  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F47aPloki  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTT-AT----------------------------ATT
F48aPrubr  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F49aElind  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F50aDeste  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F51aDbrev  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F52aPspat  AAAAGTGTATCAAAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F53aPherz  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F7aAuaipe  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
F8aGglauc  AAAAGTGTATCACAAGGGAATCAATCATTCGTATTCT------------------------------ATT
F9aAkerte  AAAAGTGTATCACAAGGGAATCAATCGTTCGTATTCT------------------------------ATT
```

Fortsetzung (28/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           8888888889999999999999999999999999999999999999999999999999999999999999999
           9999999990000000000111111111122222222223333333333444444444455555555556
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TATATAGAAAGAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
107bFelat  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
10aFrexia  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
117aFgrac  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
118aFchiq  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
120aFchiq  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
121aFpeti  TATATAGAAATAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
129aFbati  TATATAGAAAGAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
12aFnowic  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
132aFmicr  TATATAGAAAGAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
133aFmicr  TATATAGAAAGAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
135bFschi  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
136bFvill  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
137bFrusb  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
138bFwebe  TATATAGAAATAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
139bFwind  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
13aFcotac  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
140bFyuvi  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
141bFrusb  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
142bFcaul  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
143aFgram  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
144aFspec  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
145aFwedd  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
18eFlatif  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
19gFgraci  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
22cFpendu  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
23aFvasqu  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
25fFvillo  TATATAGAAAGAAATAACA---------------------AAAAG-GGTATGTTGCTGCCATTTTGAAAG
26aFheter  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
28dFspeci  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
34aFchiqu  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
35aFlatif  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
36aFcotac  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
37aFcotac  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
3aFcaules  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
45cFpendu  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
46dFpendu  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
48dFweber  TATATAGAAATAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
50bFpendu  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
55aFpendu  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
56aFcotac  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
58cFnowic  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
60aFelata  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
62aFalbic  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
63bFvasqu  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
64aFalbic  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
67dFflori  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
71cFgrami  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
72aFyuvin  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
76dFcotac  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
80aFcaule  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
86aFschid  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
87aFspect  TATATAGAAAGAAATAACA---------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
93aFspeci  TATATAGAAAAAAATAACAA--------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
94cFalbic  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
95cFweber  TATATAGAAATAAATAACA---------------------AAAAA-GGTATGTTGCTGCCATTTTGAAAG
9dFrexiae  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F10aCflor  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F11aHarge  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F12aBserr  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F13aDench  TATATAGAAAGAAATAACA---------------------AAAAAAGGTACGTTGCTGCCATTTTGAAAG
F14aPundu  TATATAGAAAGAAATAATA-TTATATAGAAAGAAATAATAAAAAAGGGTATGTTGCTGCCATTTTGAAAG
F15aPalbi  TATATAGAAAGAAATAACA---------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
```

Fortsetzung (28/36):

```
           1111111111111111111111111111111111111111111111111111111111111111111111111
           8888888889999999999999999999999999999999999999999999999999999999999999999
           9999999990000000000111111111122222222223333333333444444444455555555556
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TATATAGAAAGTTATA-TA--------GAAAGAAATAATAAAAAAAGGTATGTTGCTGCCATTTTGAAAG
F17aAgamo  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F18aAorla  TATATAGAAAGAAATAACAATTATATAGAAAGAAATAACAAAAAAAGGTATGTTGCTGCCATTTTGAAAG
F19aBacum  TATATAGAAAGAAATAACA--------GAAATAAATAAAAAAAAAGGGTATGTTGCTGCCATTTTGAAAG
F20aDurba  TATATGGAAAGAAATAACA----------------------AAAAAGGTATGTTGCTGCCATTTTGAAAG
F21aHsten  TATATAGAATATAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAA
F22aOeleg  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F23aPcoer  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F24aPvenu  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F25aRpugi  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F26aTfras  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F27aPmacr  TATATAGAAAGAAATAATA----------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
F29aNlaev  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F30aCmorr  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F31aTsomn  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F33aGmusa  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F34aPatro  TATATAGAAAGAAATAATA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F35aPchia  TATATAGAAAGAAATAATA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F36aOcarn  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F38aBping  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F39aDgoer  TATATAGAAAGAAATAACA----------------------AAAAAAGGTACGTTGCTGCCATTTTGAAAG
F40aDeste  TATATAGAAAGAAATAACA----------------------AAAAAAGGTACGTTGCTGCCATTTTGAAAG
F41aPmira  TATATAGAAAGAAATAACAAAAA-ATAGAAAGAAATAACAAAAAA-GGTATGTTGCTGCCATTTTGAAAG
F42aDbrev  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F43aDglan  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F44aDlott  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F45aDscap  TATATAGAAAGAAATAACA----------------------AAAAAAGGTACGTTGCTGCCATTTTGAAAG
F46aEhori  TATATAGAAAGAAATAACAAAA---TAGAAAGAAATAACAAAAAAAGGTACGTTGCTGCCATTTTGAAAG
F47aPloki  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F48aPrubr  TATATAGAAAGAAATAATA----------------------AAAAAGGGTATGTTGCTGCCATTTTGAAAG
F49aElind  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F50aDeste  TATATAGAAAGAAATAACA----------------------AAAAAAGGTACGTTGCTGCCATTTTGAAAG
F51aDbrev  TATATAGAAAGAAATAACA----------------------AAAAAAGGTACGTTGCTGCCATTTTGAAAG
F52aPspat  TATATAGAAAGAAATAACA----------------------AAAAAAGGTACGTTGCTGCCATTTTGAAAG
F53aPherz  TATATAGAAAGAAATAACAA-----------------------AAAAGGTATGTTGCTGCCATTTTGAAAG
F7aAuaipe  TATATAGAAAGAAATAACA--------GAAATAAATAACAAAAAAGGGTATGTTGCTGCCATTTTGAAAG
F8aGglauc  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
F9aAkerte  TATATAGAAAGAAATAACA----------------------AAAAAAGGTATGTTGCTGCCATTTTGAAAG
```

Fortsetzung (29/36):

```
           111111111111111111111111111111111111111222222222222222222222222222222222
           999999999999999999999999999999999999999000000000000000000000000000000000
           666666666777777777788888888889999999999900000000001111111111222222222223
Taxon      123456789012345678901234567890123456789012345678901234567890123456789 0
-------------------------------------------------------------------------------
104aFvill  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
107bFelat  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
10aFrexia  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
117aFgrac  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
118aFchiq  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
120aFchiq  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
121aFpeti  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
129aFbati  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
12aFnowic  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
132aFmicr  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
133aFmicr  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
135bFschi  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
136bFvill  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
137bFrusb  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
138bFwebe  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
139bFwind  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
13aFcotac  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
140bFyuvi  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
141bFrusb  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
142bFcaul  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
143aFgram  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
144aFspec  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
145aFwedd  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
18eFlatif  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
19gFgraci  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
22cFpendu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
23aFvasqu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGTATTCCGAAACA
25fFvillo  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
26aFheter  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
28dFspeci  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
34aFchiqu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
35aFlatif  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
36aFcotac  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
37aFcotac  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
3aFcaules  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
45cFpendu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
46dFpendu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
48dFweber  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
50bFpendu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
55aFpendu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
56aFcotac  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
58cFnowic  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
60aFelata  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
62aFalbic  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
63bFvasqu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGTATTCCGAAACA
64aFalbic  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
67dFflori  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
71cFgrami  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
72aFyuvin  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
76dFcotac  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
80aFcaule  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
86aFschid  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
87aFspect  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
93aFspeci  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
94cFalbic  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
95cFweber  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
9dFrexiae  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTTACAAAGCAAAGATAAAGGATTCCGAAACA
F10aCflor  GAATAAGGATCCCCGGGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F11aHarge  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F12aBserr  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F13aDench  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F14aPundu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F15aPalbi  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
```

Fortsetzung (29/36):

```
           1111111111111111111111111111111111111111222222222222222222222222222222222
           9999999999999999999999999999999999999999000000000000000000000000000000000
           6666666667777777777888888888899999999999000000000011111111112222222223
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F17aAgamo  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F18aAorla  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F19aBacum  GAATAAGGATCCCCGGGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F20aDurba  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F21aHsten  GAATAAAGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F22aOeleg  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F23aPcoer  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F24aPvenu  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F25aRpugi  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAGGATAAAGGATTCCGAAACA
F26aTfras  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAGGATAAAGGATTCCGAAACA
F27aPmacr  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F29aNlaev  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F30aCmorr  GAATAAGGATCCCCGGGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F31aTsomn  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAGGATAAAGGATTCCGAAACA
F33aGmusa  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAGGATAAAGGATTCCGAAACA
F34aPatro  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F35aPchia  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F36aOcarn  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F38aBping  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F39aDgoer  GAATAAGGATCCCCGAGGTaATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F40aDeste  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F41aPmira  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F42aDbrev  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F43aDglan  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F44aDlott  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F45aDscap  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F46aEhori  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTTCCAAACA
F47aPloki  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F48aPrubr  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCAAAACA
F49aElind  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
F50aDeste  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F51aDbrev  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F52aPspat  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F53aPherz  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAACGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F7aAuaipe  GAATAAGGATCCCCGGGGTAATGTCTAAACCCAATGATTTCACAAAGCAAAGATAAAGGATTCCGAAACA
F8aGglauc  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCAAGGATAAAGGATTCCGAAACA
F9aAkerte  GAATAAGGATCCCCGAGGTAATGTCTAAACCCAATGATTTCACAAAGCGAAGATAAAGGATTCCGAAACA
```

Fortsetzung (30/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           0000000000000000000000000000000000000000000000000000000000000000000001
           3333333334444444444555555555556666666666677777777778888888888999999999990
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  AGGAAACACTATTTTCAACTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
107bFelat  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATAAGACTGAGGAATAAAAATAGATTCGAAATGAGA
10aFrexia  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
117aFgrac  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
118aFchiq  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
120aFchiq  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
121aFpeti  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
129aFbati  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
12aFnowic  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
132aFmicr  AGGAAACACTATTTTCAACTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
133aFmicr  AGGAAACACTATTTTCAACTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
135bFschi  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
136bFvill  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
137bFrusb  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
138bFwebe  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
139bFwind  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
13aFcotac  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
140bFyuvi  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
141bFrusb  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATAAGACTGAGGAATAAAAATAGATTCGAAATGAGA
142bFcaul  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
143aFgram  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
144aFspec  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
145aFwedd  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
18eFlatif  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
19gFgraci  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
22cFpendu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
23aFvasqu  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
25fFvillo  AGGAAACACTATTTTCAACTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
26aFheter  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
28dFspeci  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
34aFchiqu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
35aFlatif  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
36aFcotac  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
37aFcotac  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
3aFcaules  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
45cFpendu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
46dFpendu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
48dFweber  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
50bFpendu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
55aFpendu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
56aFcotac  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
58cFnowic  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
60aFelata  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATAAGACTGAGGAATAAAAATAGATTCGAAATGAGA
62aFalbic  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
63bFvasqu  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
64aFalbic  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
67dFflori  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
71cFgrami  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
72aFyuvin  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
76dFcotac  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
80aFcaule  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
86aFschid  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
87aFspect  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
93aFspeci  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
94cFalbic  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
95cFweber  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
9dFrexiae  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
F10aCflor  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
F11aHarge  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGATTGAGGAATAAAAATAGATTCGAAATGAGA
F12aBserr  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACCGAGGAATAAAAATAGATTCGAAATGAGA
F13aDench  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F14aPundu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F15aPalbi  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
```

Fortsetzung (30/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           0000000000000000000000000000000000000000000000000000000000000000000001
           3333333334444444444555555555566666666667777777777888888888899999999990
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F17aAgamo  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAACTAGATTCGAAATGAGA
F18aAorla  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAACTAGATTCGAAATGAGA
F19aBacum  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F20aDurba  AGGAAACACAATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F21aHsten  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGATTGAGGAATAAAAATAGATTCGAAATGAGA
F22aOeleg  AGGAAACACAATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F23aPcoer  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F24aPvenu  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F25aRpugi  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATGGATTCGAAATGAGA
F26aTfras  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F27aPmacr  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F29aNlaev  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAACTAGATTCGAAATGAGA
F30aCmorr  AGGAAACACCATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTTGAAATGAGA
F31aTsomn  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F33aGmusa  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F34aPatro  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F35aPchia  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F36aOcarn  AGGAAACACAATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F38aBping  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACCGAGGAATAAAAATAGATTCGAAATGAGA
F39aDgoer  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F40aDeste  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F41aPmira  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F42aDbrev  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F43aDglan  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCTAAATGAGA
F44aDlott  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCTAAATGAGA
F45aDscap  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F46aEhori  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F47aPloki  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F48aPrubr  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F49aElind  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAACTAGATTCGAAATGAGA
F50aDeste  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F51aDbrev  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F52aPspat  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGGCTGAGGAATCAAAATAGATTCGAAATGAGA
F53aPherz  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F7aAuaipe  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAAAAAAAATGGATTCGAAATGAGA
F8aGglauc  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAAATAGATTCGAAATGAGA
F9aAkerte  AGGAAACACTATTTTCAATTGTCTCAACAATTGGATCAGACTGAGGAATAAAACTAGATTCGAAATGAGA
```

Fortsetzung (31/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           1111111111111111111111111111111111111111111111111111111111111111111111
           0000000001111111111222222222233333333334444444444555555555566666666667
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
107bFelat  CAAACAAAAGAGTTTAGAGACGGCTCAAAAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
10aFrexia  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
117aFgrac  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
118aFchiq  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
120aFchiq  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
121aFpeti  CAAACAAAAGAGTTTAGAGACGACTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
129aFbati  CAAACAAAAGAGTTTAGAGACGACTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
12aFnowic  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
132aFmicr  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
133aFmicr  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
135bFschi  CAAACAAAAGAGTTTAGAGACGGCTCAAGAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
136bFvill  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
137bFrusb  CAAACAAAAGAGTTTAGAGACGGCTCAAGAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
138bFwebe  CAAACAAAAGAGTTTAGAGACGACTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
139bFwind  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
13aFcotac  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
140bFyuvi  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
141bFrusb  CAAACAAAAGAGTTTAGAGACGGCTCAAAAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
142bFcaul  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
143aFgram  CAAACAAAAGAGTTTAGAGACGGCTCAAGAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
144aFspec  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
145aFwedd  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
18eFlatif  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
19gFgraci  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
22cFpendu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
23aFvasqu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
25fFvillo  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
26aFheter  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
28dFspeci  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
34aFchiqu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
35aFlatif  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
36aFcotac  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
37aFcotac  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
3aFcaules  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
45cFpendu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
46dFpendu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
48dFweber  CAAACAAAAGAGTTTAGAGACGACTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
50bFpendu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
55aFpendu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
56aFcotac  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
58cFnowic  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
60aFelata  CAAACAAAAGAGTTTAGAGACGGCTCAAAAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
62aFalbic  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
63bFvasqu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
64aFalbic  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
67dFflori  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
71cFgrami  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
72aFyuvin  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
76dFcotac  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
80aFcaule  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
86aFschid  CAAACAAAAGAGTTTAGAGACGGCTCAAGAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
87aFspect  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
93aFspeci  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
94cFalbic  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
95cFweber  CAAACAAAAGAGTTTAGAGACGACTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
9dFrexiae  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F10aCflor  CAAACAAAAGAGTTTAGAGACGGCTCAATAAGTGTCTAAGAATTTTCTTGTCAGAATTACCCAACTTGAG
F11aHarge  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F12aBserr  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F13aDench  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F14aPundu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGCCAGAATTACCCAACTTGAG
F15aPalbi  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
```

Fortsetzung (31/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           1111111111111111111111111111111111111111111111111111111111111111111111
           0000000001111111111222222222233333333334444444444555555555566666666667
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGCCAGAATTACCCAACTTGAG
F17aAgamo  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F18aAorla  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F19aBacum  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTGCCCAACTTGAG
F20aDurba  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F21aHsten  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F22aOeleg  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F23aPcoer  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTATCAGAATTACCCAACTTGAG
F24aPvenu  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTATCAGAATTACCCAACTTGAG
F25aRpugi  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F26aTfras  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F27aPmacr  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGCCAGAATTACCCAACTTGAG
F29aNlaev  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F30aCmorr  CAAACAAAAGAGTTTAGAGACGGCTCAATAAGTGTCTAAGAATTTTCTTGTCAGAATTACCCAACTTGAG
F31aTsomn  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F33aGmusa  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F34aPatro  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGCCAGAATTACCCAACTTGAG
F35aPchia  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGCCAGAATTACCCAACTTGAG
F36aOcarn  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F38aBping  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F39aDgoer  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F40aDeste  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F41aPmira  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F42aDbrev  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F43aDglan  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F44aDlott  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F45aDscap  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F46aEhori  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F47aPloki  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F48aPrubr  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGCCAGAATTACCCAACTTGAG
F49aElind  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F50aDeste  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F51aDbrev  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F52aPspat  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F53aPherz  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F7aAuaipe  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F8aGglauc  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
F9aAkerte  CAAACAAAAGAGTTTAGAGACGGCTCAATAAATGTCTAAGGATTTTCTTGTCAGAATTACCCAACTTGAG
```

Fortsetzung (32/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           1111111111111111111111111111112222222222222222222222222222222222222222
           7777777778888888888999999999900000000001111111111222222222233333333334
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TTATGAGTATGAATGAAATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
107bFelat  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
10aFrexia  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
117aFgrac  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
118aFchiq  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
120aFchiq  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
121aFpeti  TTATGAGTATGAATGAGATTTCTTCCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
129aFbati  TTATGAGTATGAATGAGATTTCTTCCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
12aFnowic  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
132aFmicr  TTATGAGTATGAATGAAATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
133aFmicr  TTATGAGTATGAATGAAATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
135bFschi  TTATGAGTATGAATGAGATTTTTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
136bFvill  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
137bFrusb  TTATGAGTATGAATGAGATTTTTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
138bFwebe  TTATGAGTATGAATGAGATTTCTTCCCTTTTCTGTAAGGAAGAAGAA--------------------AAA
139bFwind  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
13aFcotac  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
140bFyuvi  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
141bFrusb  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
142bFcaul  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
143aFgram  TTATGAGTATGAATGAGATTTTTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
144aFspec  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
145aFwedd  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
18eFlatif  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
19gFgraci  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
22cFpendu  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
23aFvasqu  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
25fFvillo  TTATGAGTATGAATGAAATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
26aFheter  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
28dFspeci  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
34aFchiqu  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
35aFlatif  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
36aFcotac  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
37aFcotac  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
3aFcaules  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
45cFpendu  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
46dFpendu  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
48dFweber  TTATGAGTATGAATGAGATTTCTTCCCTTTTCTGTAAGGAAGAAGAA--------------------AAA
50bFpendu  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
55aFpendu  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
56aFcotac  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
58cFnowic  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
60aFelata  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
62aFalbic  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
63bFvasqu  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
64aFalbic  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
67dFflori  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
71cFgrami  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
72aFyuvin  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
76dFcotac  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
80aFcaule  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
86aFschid  TTATGAGTATGAATGAGATTTTTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
87aFspect  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
93aFspeci  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
94cFalbic  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
95cFweber  TTATGAGTATGAATGAGATTTCTTCCCTTTTCTGTAAGGAAGAAGAA--------------------AAA
9dFrexiae  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F10aCflor  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F11aHarge  TTATGAGTATGAATGAGATTTCTTCCCTTTTCTGTAAGGAAGAAGAA--------------------AAA
F12aBserr  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F13aDench  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAATTTTTCTGTAAGGAAGAAGAAAA
F14aPundu  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F15aPalbi  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
```

Fortsetzung (32/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           1111111111111111111111111111122222222222222222222222222222222222222222
           7777777778888888888999999999900000000001111111111222222222233333333334
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F17aAgamo  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F18aAorla  TTATGAGTATGAATGAGATTTCTTACTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F19aBacum  TTATGAGTATGAATGAGATTTCTT--TTTTCCTGTAAGGAAGAAGAA--------------------AAA
F20aDurba  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F21aHsten  TTATGAGTATGAATGAGATTTCTTCCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F22aOeleg  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F23aPcoer  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F24aPvenu  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F25aRpugi  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F26aTfras  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F27aPmacr  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F29aNlaev  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F30aCmorr  TTATGAGTATGAATGATATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F31aTsomn  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGTAAGAAGAA--------------------AAA
F33aGmusa  TTATGAGTATGAATGAGATTTCTTCCCTTTTCTGTAAGGAAGAAGAA--------------------AAA
F34aPatro  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F35aPchia  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F36aOcarn  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F38aBping  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F39aDgoer  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAATTTTTCTGTAAGGAAGAAGAAAA
F40aDeste  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAATTTTTCTGTAAGGAAGAAGAAAA
F41aPmira  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F42aDbrev  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F43aDglan  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F44aDlott  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F45aDscap  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAAT--------------------AA
F46aEhori  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AA
F47aPloki  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F48aPrubr  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F49aElind  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F50aDeste  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAATTTTTCTGTAAGGAAGAAGAAAA
F51aDbrev  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AA
F52aPspat  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AA
F53aPherz  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F7aAuaipe  TTATGAGTATGAATGAGATTTCTT--TTTTTCTGTAAGGAAGAAGAA--------------------AAA
F8aGglauc  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
F9aAkerte  TTATGAGTATGAATGAGATTTCTTCCTTTTTCTGTAAGGAAGAAGAA--------------------AAA
```

Fortsetzung (33/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           2222222222222222222222222222222222222222222222222222222222333333333333
           4444444445555555555666666666677777777778888888888999999999900000000001
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
107bFelat  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTTTTTATGGATCCACTTGCTATTATA
10aFrexia  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
117aFgrac  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
118aFchiq  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
120aFchiq  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
121aFpeti  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
129aFbati  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
12aFnowic  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
132aFmicr  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
133aFmicr  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
135bFschi  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
136bFvill  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
137bFrusb  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
138bFwebe  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
139bFwind  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
13aFcotac  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
140bFyuvi  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
141bFrusb  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTTTTTATGGATCCACTTGCTATTATA
142bFcaul  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
143aFgram  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
144aFspec  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
145aFwedd  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
18eFlatif  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
19gFgraci  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
22cFpendu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
23aFvasqu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
25fFvillo  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
26aFheter  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
28dFspeci  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
34aFchiqu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
35aFlatif  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
36aFcotac  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
37aFcotac  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
3aFcaules  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
45cFpendu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
46dFpendu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
48dFweber  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
50bFpendu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
55aFpendu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
56aFcotac  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
58cFnowic  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
60aFelata  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTTTTTATGGATCCACTTGCTATTATA
62aFalbic  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
63bFvasqu  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
64aFalbic  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
67dFflori  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
71cFgrami  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
72aFyuvin  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
76dFcotac  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
80aFcaule  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
86aFschid  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
87aFspect  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
93aFspeci  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
94cFalbic  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
95cFweber  AGTAATCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
9dFrexiae  AGTAATCAATTCGAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F10aCflor  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F11aHarge  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCATTTGCTATTATA
F12aBserr  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F13aDench  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F14aPundu  AGTACTCAATTCAAATCATAGT--------CAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F15aPalbi  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
```

Fortsetzung (33/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           2222222222222222222222222222222222222222222222222222222222222333333333
           4444444445555555555666666666677777777778888888888999999999900000000001
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  AGTACTCAATTCAAATCATAGT--------AAAATTCACGATTTT----ATGGATCCACTTGCTATTATA
F17aAgamo  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F18aAorla  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F19aBacum  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F20aDurba  GGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F21aHsten  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCATTTGCTATTATA
F22aOeleg  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F23aPcoer  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F24aPvenu  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F25aRpugi  AGTACTCAATTCAAATTATAGT--------AAAATTCATGATTTT----ATGGATCCATTTGCTATTATA
F26aTfras  AGTACTCAATTCAAATTATAGT--------AAAATTCATGATTTT----ATGGATCCATTTGCTATTATA
F27aPmacr  AGTACTCAATTCAAATCATAGT--------CAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F29aNlaev  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F30aCmorr  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F31aTsomn  AGTACTCAATTCAAATTATAGT--------AAAATTCATTATTTT----ATGGATCCACTTGCTATTATA
F33aGmusa  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F34aPatro  AGTACTCAATTCAAATCATAGTTCATAGTAAAAATTCATGATTTT----ATGGATCCACTTACTATTATA
F35aPchia  AGTACTCAATTCAAATCATAGT--------AAAATTCACGATTTT----ATGGATCCACTTGCTATTATA
F36aOcarn  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F38aBping  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F39aDgoer  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F40aDeste  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F41aPmira  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
F42aDbrev  AGTACTCAATTCAAATCGTAGT--------AAAATTCATAATTTT----ATGGATCCACTTGCTATTATA
F43aDglan  AGTACTCAATTCAAATCGTAGT--------AAAATTCATAATTTT----ATGGATCCACTTGCTATTATA
F44aDlott  AGTACTCAATTCAAATCGTAGT--------AAAATTCATAATTTT----ATGGATCCACTTGCTATTATA
F45aDscap  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F46aEhori  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F47aPloki  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F48aPrubr  AGTACTCAATTCAAATCATAGT--------CAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F49aElind  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F50aDeste  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F51aDbrev  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F52aPspat  AGTACTCACTTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F53aPherz  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCTACTTGCTATTATA
F7aAuaipe  AGTACTCAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F8aGglauc  AGTACTCAATTCAAATTATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
F9aAkerte  AGTACTAAATTCAAATCATAGT--------AAAATTCATGATTTT----ATGGATCCACTTGCTATTATA
```

Fortsetzung (34/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           3333333333333333333333333333333333333333333333333333333333333333333333
           1111111112222222222333333333344444444445555555555666666666677777777778
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
107bFelat  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
10aFrexia  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
117aFgrac  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
118aFchiq  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
120aFchiq  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAA-CCTCCTATACGTTTCTAGGGGGGGAT
121aFpeti  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
129aFbati  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
12aFnowic  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
132aFmicr  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
133aFmicr  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
135bFschi  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
136bFvill  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
137bFrusb  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
138bFwebe  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
139bFwind  TACAGAAATTCGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
13aFcotac  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
140bFyuvi  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
141bFrusb  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
142bFcaul  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
143aFgram  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
144aFspec  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
145aFwedd  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
18eFlatif  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
19gFgraci  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
22cFpendu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
23aFvasqu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
25fFvillo  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
26aFheter  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
28dFspeci  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
34aFchiqu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
35aFlatif  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
36aFcotac  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
37aFcotac  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
3aFcaules  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
45cFpendu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
46dFpendu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
48dFweber  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
50bFpendu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
55aFpendu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
56aFcotac  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
58cFnowic  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
60aFelata  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
62aFalbic  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
63bFvasqu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
64aFalbic  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAA-CCTCCTATACGTTTCTAGGGGGGGAT
67dFflori  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
71cFgrami  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
72aFyuvin  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
76dFcotac  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
80aFcaule  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
86aFschid  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
87aFspect  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
93aFspeci  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
94cFalbic  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
95cFweber  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
9dFrexiae  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F10aCflor  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F11aHarge  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F12aBserr  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F13aDench  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F14aPundu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F15aPalbi  TACAGAAATTGGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
```

Fortsetzung (34/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           3333333333333333333333333333333333333333333333333333333333333333333333
           1111111112222222222333333333344444444445555555555666666666677777777778
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F17aAgamo  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F18aAorla  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F19aBacum  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAGAAAACCTCCTATACGTTTCTAGGGGGGGAT
F20aDurba  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F21aHsten  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAGCCTCCTATACGTTTCTAGGGGGGGAT
F22aOeleg  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F23aPcoer  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F24aPvenu  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F25aRpugi  TACAGAAATTGGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F26aTfras  TACAGAAATTGGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F27aPmacr  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F29aNlaev  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F30aCmorr  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F31aTsomn  TACAGAAATTGGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F33aGmusa  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F34aPatro  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F35aPchia  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F36aOcarn  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F38aBping  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F39aDgoer  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F40aDeste  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F41aPmira  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F42aDbrev  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F43aDglan  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F44aDlott  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F45aDscap  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F46aEhori  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F47aPloki  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAA-CCTCCTATACGTTTCTAGGGGGGGAT
F48aPrubr  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCTTATACGTTTCTAGGGGGGGAT
F49aElind  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F50aDeste  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F51aDbrev  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F52aPspat  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCAATACGTTTCTAGGGGGGGAT
F53aPherz  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
F7aAuaipe  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAGAAAACCTCCTATACGTTTCTAGGGGGGGAT
F8aGglauc  TACAGAAATTGGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGAT
F9aAkerte  TACAGAAATTAGAATCATTTTTCTCGAGCCGTATGAGGAAAAAACCTCCTATACGTTTCTAGGGGGGGGT
```

Fortsetzung (35/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           3333333333333333333344444444444444444444444444444444444444444444444444
           8888888889999999999900000000001111111111222222222233333333334444444445
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
104aFvill  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0000000100001101-
107bFelat  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
10aFrexia  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
117aFgrac  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
118aFchiq  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100100100001101-
120aFchiq  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
121aFpeti  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
129aFbati  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG-TG0100000100001101-
12aFnowic  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001101-
132aFmicr  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
133aFmicr  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001101-
135bFschi  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT?????0100000100001101-
136bFvill  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
137bFrusb  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
138bFwebe  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
139bFwind  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG01000001001--101-
13aFcotac  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
140bFyuvi  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG01000001001--101-
141bFrusb  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
142bFcaul  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
143aFgram  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
144aFspec  TGCTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001101-
145aFwedd  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
18eFlatif  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001101-
19gFgraci  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
22cFpendu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
23aFvasqu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG01000001001--101-
25fFvillo  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
26aFheter  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
28dFspeci  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
34aFchiqu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
35aFlatif  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
36aFcotac  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001101-
37aFcotac  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001101-
3aFcaules  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001101-
45cFpendu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
46dFpendu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
48dFweber  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
50bFpendu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG-TG0100000100001101-
55aFpendu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATTGATG0100000100001101-
56aFcotac  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
58cFnowic  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
60aFelata  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
62aFalbic  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
63bFvasqu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG01000001001--101-
64aFalbic  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
67dFflori  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
71cFgrami  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
72aFyuvin  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT----G01000001001--101-
76dFcotac  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
80aFcaule  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
86aFschid  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG-TG0100000100001101-
87aFspect  TGCTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
93aFspeci  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
94cFalbic  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
95cFweber  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
9dFrexiae  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
F10aCflor  TGTTTATT-ACATCTATCCCA-TGAGCCATCTATCGA-TCGTTGCA-TCG???------0000001101-
F11aHarge  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGA-TCGTTGCAAT?????------000101-101-
F12aBserr  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG-----01100001001-
F13aDench  TGTTTATTTACATCTATCCCAGTGAGCCATCTATCGAATCGTTGCAATTGATG0100000100001101-
F14aPundu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG011--00100001101-
F15aPalbi  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATTGATG0001000000001101-
```

Fortsetzung (35/36):

```
           2222222222222222222222222222222222222222222222222222222222222222222222
           3333333333333333333344444444444444444444444444444444444444444444444444
           8888888889999999999900000000001111111111222222222233333333334444444445
Taxon      1234567890123456789012345678901234567890123456789012345678901234567890
-------------------------------------------------------------------------------
F16aPgraf  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG-----00100001101-
F17aAgamo  GGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATTCATG0001000100001101-
F18aAorla  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0001000100001101-
F19aBacum  TGTTTATCTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCA-TTCATG-----00100001101-
F20aDurba  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATG????101--00100001101-
F21aHsten  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG000100000101-101-
F22aOeleg  TGATTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG00010001000010000
F23aPcoer  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0001000100001101-
F24aPvenu  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0001000100001101-
F25aRpugi  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0001000000001101-
F26aTfras  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG00010000000011000
F27aPmacr  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0001000100001101-
F29aNlaev  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTG?????????0001000100000101-
F30aCmorr  TGATTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT?????00010000000011001
F31aTsomn  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0001000000001101-
F33aGmusa  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0001000000001101-
F34aPatro  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCGATG0001000100001101-
F35aPchia  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
F36aOcarn  TGCTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG01000001000010000
F38aBping  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCG???0100000100001-100
F39aDgoer  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAA??????0100000100001101-
F40aDeste  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATG????0100000100001101-
F41aPmira  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATTG???0001000100001101-
F42aDbrev  TGTTTATTTACATCT?????????????????????????????????????0100010100001101-
F43aDglan  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0100000100001101-
F44aDlott  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCGC??0100000100001101-
F45aDscap  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATTGATG000100011----101-
F46aEhori  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCA???0100000100001101-
F47aPloki  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG0001000000001101-
F48aPrubr  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATTG???0001000100001101-
F49aElind  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT?????0001000100001101-
F50aDeste  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---T?0100000100001101-
F51aDbrev  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATTGATG000100011----101-
F52aPspat  TGTTTATTTACATCAATCCCAATGAGCCATCAATCGAATCGTTGCAAT---TG000100011----101-
F53aPherz  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAATCGATG0001000100001101-
F7aAuaipe  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGA-TCGTTGCA-TTG-TG------0100001101-
F8aGglauc  TGTTTATTTACATCTATCCCAATGAGCCATCTA?????????????????------0000001101-
F9aAkerte  TGTTTATTTACATCTATCCCAATGAGCCATCTATCGAATCGTTGCAAT---TG111--00100001101-
```

Fortsetzung (36/36):

```
           222222222222222222222222222222222222
           444444444444444444444444444444444444
           555555555666666666677777777778888888888
Taxon      123456789012345678901234567890123456 78
-------------------------------------------------
104aFvill  -100011001000001--00---101001100---1--
107bFelat  -1000111--000101--00---001001000---1--
10aFrexia  -010011001000101--00---001001100---1--
117aFgrac  -01001101001--0000001--001001100---1--
118aFchiq  -01001101001--0000001--001001100---1--
120aFchiq  -01001101001--0000001--001001110---1--
121aFpeti  -100011001000101--00---101001100---1--
129aFbati  -100011001000101--00---101001100-----1
12aFnowic  -00010100101--01--00---001001100000---
132aFmicr  -100011001000001--00---101001100---1--
133aFmicr  -100011001000001--00---101001100000---
135bFschi  -10001100101--01--00---001001100000---
136bFvill  -01001101001--0000001--001001100---1--
137bFrusb  -10001100101--01--00---001001100---1--
138bFwebe  -100011001000101--00---101001100---1--
139bFwind  -0100111--000101--00---001001100---1--
13aFcotac  -00010100101--01--00---001001100---1--
140bFyuvi  -1000111--000101--00---001001100---1--
141bFrusb  -1000111--000101--00---001001000---1--
142bFcaul  -010011001000101--00---001001100---1--
143aFgram  -10001100101--01--00---001001100---1--
144aFspec  -1000111--000101--00---001001100000---
145aFwedd  -01001101001--0000001--001001100---1--
18eFlatif  -01001101001--0000001--001001100000---
19gFgraci  -01001101001--0000001--001001100---1--
22cFpendu  -01001101001--0000001--001001100---1--
23aFvasqu  -1000111--000101--00---001001100---1--
25fFvillo  -100011001000001--00---101001100---1--
26aFheter  -100011001000101--00---001001100---1--
28dFspeci  -010011001000101--00---001001100---1--
34aFchiqu  -01001101001--0000001--001001100---1--
35aFlatif  -01001101001--0000001--001001100---1--
36aFcotac  -00010100101--01--00---001001100000---
37aFcotac  -00010100101--01--00---001001100000---
3aFcaules  -010011001000101--00---001001100000---
45cFpendu  -01001101001--0000001--001001100---1--
46dFpendu  -01001101001--0000001--001001100---1--
48dFweber  -100011001000101--00---101001100---1--
50bFpendu  -01001101001--0000001--001001100-----1
55aFpendu  -01001101001--0000001--001001100------
56aFcotac  -00010100101--01--00---001001100---1--
58cFnowic  -00010100101--01--00---001001100---1--
60aFelata  -1000111--000101--00---001001000---1--
62aFalbic  -010011001000101--00---001001100---1--
63bFvasqu  -1000111--000101--00---001001100---1--
64aFalbic  -100011001000101--00---001001110---1--
67dFflori  -1000111--000101--00---001001100---1--
71cFgrami  -100001010000101--00---001001100---1--
72aFyuvin  -1000111--000101--00---001001100----1-
76dFcotac  -00010100101--01--00---001001100---1--
80aFcaule  -010011001000101--00---001001100---1--
86aFschid  -10001100101--01--00---001001100-----1
87aFspect  -1000111--000101--00---001001100---1--
93aFspeci  -01001101001--0000001--001001100---1--
94cFalbic  -010011001000101--00---001001100---1--
95cFweber  -010011001000101--00---101001100---1--
9dFrexiae  -010011001000101--00---001001100---1--
F10aCflor  -01001100001--01--00---001001101111---
F11aHarge  -01001100001--01--00---001001100010---
F12aBserr  -01001100001--01--00---001001100---1--
F13aDench  -01001100001--01--00---000001100------
F14aPundu  -01001100001--001000000001001100---1--
F15aPalbi  -010011000101-01--00---001001100------
```

Fortsetzung (36/36):

```
           2222222222222222222222222222222222222
           4444444444444444444444444444444444444
           5555555556666666666677777777778888888888
Taxon      1234567890123456789012345678901234567 8
-------------------------------------------------
F16aPgraf  -01001100001--10-1000--001001100---1--
F17aAgamo  -011-0100001--01--00---001001100------
F18aAorla  -01001100001--000000000001001100---1--
F19aBacum  -01001100001--00-1000--011001100--1---
F20aDurba  -10001100001--0---10---001001100000---
F21aHsten  -01001100001--01--00---001001100---1--
F22aOeleg  101001100001--01--00---001001100---1--
F23aPcoer  -01001100001--01--00---001001100---1--
F24aPvenu  -01001100001--01--00---001001100---1--
F25aRpugi  -01001100001--01--00---001001100000---
F26aTfras  001001100001--01--00---001001100---1--
F27aPmacr  -01001100001--01--00---001001100---1--
F29aNlaev  -011-0100001--01--00---00100110000----
F30aCmorr  -01001100001--01--00---001001100000---
F31aTsomn  -01001100001--01--00---001001100---1--
F33aGmusa  -01001100001--01--00---001001100000---
F34aPatro  -01001100001--01--00---001000100------
F35aPchia  -01001100001--01--00---001001100---1--
F36aOcarn  101001100001--01--00---001001100---1--
F38aBping  101001100001--01--00---001001100000---
F39aDgoer  -01001000001--01--00---000001100000---
F40aDeste  -01001100001--01--00---000001100000---
F41aPmira  -01001100001--00000000110100110000 0---
F42aDbrev  -01001100001--01--00---001001100------
F43aDglan  -01001100001--01--00---001001100---1--
F44aDlott  -01001100001--01--00---0010011000000-0
F45aDscap  -01001100001--01--00---000011100------
F46aEhori  -01001100001--00000001-00-1-1100000---
F47aPloki  -010011000101-01--00---001001110---1--
F48aPrubr  -01001100001--01--00---001001100000---
F49aElind  -011-0100001--01--00---001001100000---
F50aDeste  -01001100001--01--00---00000110000010-
F51aDbrev  -01001100001--01--00---00-1-1100------
F52aPspat  -01001100001--01--00---00-1-1100---1--
F53aPherz  -01001100001--000001---001001100------
F7aAuaipe  -01001100001--00-1000--011001100-11--1
F8aGglauc  -01001100001--01--00---0010011000-----
F9aAkerte  -011-0100001--01--00---001001100---1--
```