```
            1
Bd_06-10    TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_09-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_09-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_09-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_10-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_10-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_10-2b    TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_11-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_11-6     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_12-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_13-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_13-4     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_13-5     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_14-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_14-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_19-5     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_19-6     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_20-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_20-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Bd_22-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Go_06-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_06-9     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_07-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_07-5     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_07-6     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_07-8     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_09-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Go_09-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Go_09-4     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Go_10-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_10-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_11-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_11-5     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_13-5     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_14-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_14-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Go_14-4     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGAAGGATGA AACTGCGGAC GGCTCATTAC
Pa_06-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_14-4     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_14-6     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_16-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_19-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_19-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_19-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_21-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_22-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_39-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_39-5     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_50-11    TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_50-12    TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_50-19    TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_50-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_57-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_57-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_57-5     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_62-19    TGTTAAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCA AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_62-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_63-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_63-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_63-4     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_64-1     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_64-2     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_64-3     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_64-4     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACCT AGTAGGATGA AACTGCGGAC GGCTCATTAC
Pa_79-4     TGTTGAAGAT TAAGCCATGC ATGTGTAAGT ATAAAGACAT AGTAGGATGA AACTGCGGAC GGCTCATTAC
```

```
          71
Bd_06-10  AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_09-1   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_09-2   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_09-3   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_10-1   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_10-2   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_10-2b  AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_11-2   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_11-6   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_12-2   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_13-1   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_13-4   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_13-5   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_14-1   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_14-2   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_19-5   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_19-6   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_20-1   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_20-2   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Bd_22-1   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Go_06-1   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_06-9   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_07-1   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_07-5   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_07-6   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_07-8   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_09-2   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Go_09-3   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Go_09-4   AACAGTTATA GTTTCTTTGG TTAGTATCAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Go_10-1   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CCGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_10-3   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_11-3   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_11-5   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_13-5   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_14-2   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_14-3   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Go_14-4   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_06-2   AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_14-4   AACAGTTATA GTTTCTTTGG TTAGTAATAA AATGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_14-6   AACAGTTATA GTTTCTTTGG TTAGTAATAA AATGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_16-1   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_19-1   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_19-2   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_19-3   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_21-2   AACAGTTATA GTTTCTTTGG TTAGTAACAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_22-3   AACAGTTATA GTTTCTTTGG TTAGTAACAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_39-1   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_39-5   AACAGTTATA GTTTCTTTGG TTAGTAGTAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_50-11  AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_50-12  AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_50-19  AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_50-2   AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_57-2   AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_57-3   AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_57-5   AACAGTTATA GTTTCTTTGG TTAGTACAAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_62-19  AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_62-3   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_63-2   AACAGTTATA GTTTCTTTGG TTAGTAATAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_63-3   AACAGTTATA GTTTCTTTGG TTAGTAATAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACT
Pa_63-4   AACAGTTATA GTTTCTTTGG TTAGTAATAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
Pa_64-1   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACG
Pa_64-2   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACG
Pa_64-3   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACG
Pa_64-4   AACAGTTATA GTTTCTTTGG TTAGTACGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACG
Pa_79-4   AACAGTTATA GTTTCTTTGG TTAGTAGGAA AAGGATAACT CTGTTAATTG TAGAGCTAAT ACTTGAGACA
```

```
          141
Bd_06-10  TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_09-1   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_09-2   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_09-3   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_10-1   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_10-2   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_10-2b  TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_11-2   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_11-6   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_12-2   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_13-1   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_13-4   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_13-5   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_14-1   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_14-2   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_19-5   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_19-6   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_20-1   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_20-2   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Bd_22-1   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Go_06-1   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_06-9   ATCCCCCGTT C-GACAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_07-1   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_07-5   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_07-6   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_07-8   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_09-2   TTCCACTTTC T-TTCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Go_09-3   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCCGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Go_09-4   TTCCACTTTC T-TCCGAGAC TGTGGCGGCC GTACCCAGGT GCGGTTATGA ATTATTCCAT TCTGAATGCT
Go_10-1   ATCCCCTGTT C-GACAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_10-3   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_11-3   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_11-5   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_13-5   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_14-2   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_14-3   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Go_14-4   ATCCCCTGTT C-GCCAGGGC AGGGGCGACT GCACTT--GT GCAGTTATGA ATTATTCCAT GTTGAATGCT
Pa_06-2   TTCCACTCTC TTTCCTAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_14-4   CTCTGCTTTT C-TTCGGGAC AGCAGCGACC ACACTCCGGT GCGGTTAATA ATTATTCCAT GCTGAATGCT
Pa_14-6   CTCTGCTTTT C-TTCGGGAC AGCAGCGACC ACACTCCGGT GCGGTTAATA ATTATTCCAT GCTGAATGCT
Pa_16-1   CTCCACTGTC A-ATCTGG-T AGTGGCGACC ACACCTCGGT GCGGTTTCGA ACTATTCCAT ACTGAAAGCT
Pa_19-1   CTCCACCTTC C-CTCGGGAT TGTGGCGACC ACACTTCGGT GCGGTTAATA ATTATTCCAT TCTGAATGCT
Pa_19-2   CTCCACCTTC C-CTCGGGAT TGTGGCGACC ACACTTCGGT GCGGTTAATA ATTATTCCAT TCTGAATGCT
Pa_19-3   CTCCACCTTC C-CTCGGGAT TGTGGCGACC ACACTTCGGT GCGGTTAATA ATTATTCCAT TCTGAATGCT
Pa_21-2   TTCCACTTTC T-TTCGAGAC TGTGGCGACC ACATCACGAT GTGGTTTAGA ATTATTCCAT TCTGAATGCT
Pa_22-3   TTCCACTTTC T-TTCGAGAC TGTGGCGACC ACATCACGAT GTGGTTTAGA ATTATTCCAT TCTGAATGCT
Pa_39-1   CTCTGCTGTT CATATTGGAC AGTAGCGACC AGACTCCGGT TTGGTTAATA ATTATTCCAT GCTGAATGCT
Pa_39-5   CTCTGCTGTT CATATTGGAC AGTAGCGACC AGACTCCGGT TTGGTTAATA ATTATTCCAT GCTGAATGCT
Pa_50-11  TTCCACTCTC TTTCCAAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_50-12  TTCCACTCTC TTTCCAAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_50-19  TTCCACTCTC TTTCCAAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_50-2   TTCCACTCTC TTTCCAAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_57-2   TTCCACTCTC TTTCCTAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_57-3   TTCCACTCTC TTTCCAAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_57-5   TTCCACTCTC TTTCCTAGAT TGTGGCGACT AGATTTCGAT CTAGTTATCA ATTATTCCAT TCTGAATGCT
Pa_62-19  CTCCACTTTC C-TTCGGGAT TGTGGCGACC ACACCTCGGT GCGGTTAAGA ATTATTCCAT TCTGAATGCT
Pa_62-3   CTCCACTTTC C-TTCGGGAT TGTGGCGACC ACACCTCGGT GCGGTTAAGA ATTATTCCAT TCTGAATGCT
Pa_63-2   TTCCACTTTC T-TTGGAGAC TGTGGCGACC ACATCACGAT GTGGTTTAGA ATTATTCCAT TCTGAATGCT
Pa_63-3   TTCCACTTTC T-TTGGAGAC TGTGGCGACC ACATCACGAT GTGGTTTAGA ATTATTCCAT TCTGAATGCT
Pa_63-4   CTCCACTGTT C-TTCGGGAC AGTGGCGACC AGGCTCCGGT CTGGTTAATA ATTATTCCAT GCTGAATGCT
Pa_64-1   CTCCTCTTTC C-CTCGGGAC TGAGGCGACC ACACTTCTGT GCGGTTAGTA ATTATTCCAT TCTGAATGCT
Pa_64-2   CTCCTCTTTC C-CTCGGGAC TGAGGCGACC ACACTTCTGT GCGGTTAGTA ATTATTCCAT TCTGAATGCT
Pa_64-3   CTCCTCTTTC C-CTCGGGAC TGAGGCGACC ACACTTCTGT GCGGTTAGTA ATTATTCCAT TCTGAATGCT
Pa_64-4   CTCCTCTTTC C-CTCGGGAC TGAGGCGACC ACACTTCTGT GCGGTTAGTA ATTATTCCAT TCTGAATGCT
Pa_79-4   CTCCACATCT C-TTCTGGGA TGTGGCGGCC AGGCTTCGGC TTGGCTATGA ATTATTCCAT TCTGAATGCT
```

```
         211
Bd_06-10   GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_09-1    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_09-2    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_09-3    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_10-1    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_10-2    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_10-2b   GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_11-2    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_11-6    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_12-2    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_13-1    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_13-4    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_13-5    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_14-1    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_14-2    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_19-5    GGAATAAGGA CAATTGTAGA ATCCCGAGGA -TTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_19-6    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_20-1    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_20-2    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Bd_22-1    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Go_06-1    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_06-9    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_07-1    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_07-5    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_07-6    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_07-8    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_09-2    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Go_09-3    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Go_09-4    GGAATAAGGA CAATTGTAGA ATCCCGAGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Go_10-1    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_10-3    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_11-3    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_11-5    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_13-5    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_14-2    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_14-3    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Go_14-4    GGAATAAGGA CAATTGTAGA ATCCTGAGGA TT----ACAA CAAGTAACCA ATGAGAATAT CTGACCTATC
Pa_06-2    GGAATAAGGA CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_14-4    GGAATAAGGA CAATTGTAGA ATCCTAAGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_14-6    GGAATAAGGA CAATTGTAGA ATCCTAAGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_16-1    GGAATAGGGA CAATTGTAGA ATCCAACGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_19-1    GGAATAAGGA CAATTGTAGA ATCCTACGGA TTTTAACTGA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_19-2    GGAATAAGGA CAATTGTAGA ATCCTACGGA TTTTAACTGA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_19-3    GGAATAAGGA CAATTGTAGA ATCCTACGGA TTTTAACTGA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_21-2    GGAATAAGGA CAATTGTAGA ATCCTGGGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_22-3    GGAATAAGGA CAATTGTAGA ATCCTGGGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_39-1    GGAATGAGGA CAATTGTAGA ATCCTTCGGG TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_39-5    GGAATGAGGA CAATTGTAGA ATCCTTCGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_50-11   GGAATAAGGA CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_50-12   GGAATAAGGA CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_50-19   GGAATAAGGA CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_50-2    GGAATAAGGA CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_57-2    GGAATAAGGA CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_57-3    GGAATAAGGC CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGGGAATTT CTGACTTATC
Pa_57-5    GGAATAAGGA CAATTGTAGA ATCCATCGGA TTTT-----C CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_62-19   GGAATAAGGA CAATTGTAGA ATCCTACGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_62-3    GGAATAAGGA CAATTGTAGA ATCCTACGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_63-2    GGAATAAGGA CAATTGTAGA ATCCGGGGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_63-3    GGAATAAGGA CAATTGTAGA ATCCGGGGGA TTTT-----T CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_63-4    GGAATAAGGA CAATTGTAGA ATCCTGGGGA TTTTAACTGA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_64-1    GGAATAAGGA CAATTGTAGA ATCCTGTGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_64-2    GGAATAAGGA CAATTGTAGA ATCCTGTGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_64-3    GGAATAAGGA CAATTGTAGA ATCCTGTGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_64-4    GGAATAAGGA CAATTGTAGA ATCCTGTGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CTGACTTATC
Pa_79-4    GGAATAAGGA CAATTGTAGA ATCCAGGGGA TTTTAACTAA CAAGTAACCA ATGAGAATTT CGGACTTATC
```

```
          281
Bd_06-10  AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_09-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_09-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_09-3   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_10-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_10-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_10-2b  AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_11-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_11-6   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_12-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_13-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_13-4   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_13-5   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_14-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_14-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_19-5   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_19-6   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_20-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_20-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Bd_22-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_06-1   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_06-9   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_07-1   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_07-5   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_07-6   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_07-8   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_09-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_09-3   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_09-4   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_10-1   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_10-3   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_11-3   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_11-5   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_13-5   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_14-2   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_14-3   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Go_14-4   AACCAGAAGG TAAGGTAGTG GCTTACCTTG GTTATCACGG GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_06-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_14-4   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTTATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_14-6   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTTATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_16-1   AACCAGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_19-1   AACCAGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_19-2   AACCAGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_19-3   AACCAGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_21-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_22-3   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_39-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTAATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_39-5   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTAATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_50-11  AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_50-12  AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCAAGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_50-19  AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_50-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_57-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_57-3   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_57-5   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_62-19  AACCAGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_62-3   AACCAGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_63-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_63-3   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_63-4   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTTATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_64-1   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_64-2   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_64-3   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_64-4   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
Pa_79-4   AACCTGTAGG TAAGGTAGTG GCTTACCTTG GTGATCACGA GTAACGAGAA ATAAGGGTTT GACATCGGAG
```

```
         351
Bd_06-10 AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_09-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_09-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_09-3  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_10-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_10-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_10-2b AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_11-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_11-6  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_12-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_13-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_13-4  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_13-5  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_14-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_14-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_19-5  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_19-6  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_20-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_20-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Bd_22-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Go_06-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_06-9  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_07-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_07-5  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_07-6  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_07-8  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_09-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Go_09-3  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Go_09-4  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Go_10-1  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_10-3  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_11-3  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_11-5  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_13-5  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_14-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_14-3  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Go_14-4  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_06-2  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_14-4  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACGCC
Pa_14-6  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACGCC
Pa_16-1  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_19-1  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_19-2  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_19-3  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_21-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_22-3  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_39-1  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CCGGCGCGAA AATTACCCAC TTGGGACGCC
Pa_39-5  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACGCC
Pa_50-11 AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_50-12 AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_50-19 AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_50-2  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_57-2  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_57-3  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_57-5  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_62-19 AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_62-3  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_63-2  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_63-3  AGGGAGCCTT CAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACTCC
Pa_63-4  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACGCC
Pa_64-1  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_64-2  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_64-3  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_64-4  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAGGCGCGAA AATTACCCAC TTGGGACACC
Pa_79-4  AGGGAGCCTT AAAAATGGCT ACCACTTCCA AGGAAGGCAG CAAGCGCGAA AATTACCCAC TTGGGACACC
```

```
          421
Bd_06-10  CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_09-1   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_09-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_09-3   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_10-1   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_10-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_10-2b  CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_11-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_11-6   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_12-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_13-1   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_13-4   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_13-5   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_14-1   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_14-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_19-5   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_19-6   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_20-1   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_20-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Bd_22-1   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Go_06-1   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_06-9   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_07-1   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_07-5   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_07-6   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_07-8   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_09-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Go_09-3   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Go_09-4   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCTATGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Go_10-1   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_10-3   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_11-3   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_11-5   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_13-5   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_14-2   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_14-3   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Go_14-4   CAGAGGTAGT GAAGACAAAT AACTAAAAGG ACCCCTTTGG GGTTCTTTTA AGGGATGAGC TAGACGTTAA
Pa_06-2   CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_14-4   CAGAGGTAGT GAAGACAAAT AACTAAACCC TGTCCACTGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_14-6   CAGAGGTAGT GAAGACAAAT AACTAAACCC TGTCCACTGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_16-1   CAGAGGTAGT GAAGACAAAT AACTAAATGC TGTCCAATGG ATAGCGTTTA AGGGATGAGC TAGACGTTAA
Pa_19-1   CAGAGGTAGT GAAGACAAAT AACTAAATGC TGTCCACTGG ATAGCGTTTA AGGGATGAGC TAGACGTTAA
Pa_19-2   CAGAGGTAGT GAAGACAAAT AACTAAATGC TGTCCACTGG ATAGCGTTTA AGGGATGAGC TAGACGTTAA
Pa_19-3   CAGAGGTAGT GAAGACAAAT AACTAAATGC TGTCCACTGG ATAGCGTTTA AGGGATGAGC TAGACGTTAA
Pa_21-2   CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCACTGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_22-3   CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCACTGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_39-1   CAGAGGTAGT GAAGACAAAT AACTAAACGC TATCCACTGG ATAGTGTTTA AGGGATGAGC TAGACGTTAA
Pa_39-5   CAGAGGTAGT GAAGACAAAT AACTAAACGC TATCCACTGG ATAGTGTTTA AGGGATGAGC TAGACGTTAA
Pa_50-11  CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_50-12  CAGAGGTAGT GAAGACAAAT AATTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_50-19  CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_50-2   CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_57-2   CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_57-3   CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_57-5   CAGAGGTAGT GAAGACAAAT AACTAAATTC TGTCCTTTGG ATAGGATTTA AGGGATGAGC TAGACGTTAA
Pa_62-19  CAGAGGTAGT GAAGACAAAT AACTAAATGC TGTCCACTGG ATAGCGTTTA AGGGATGAGC TAGACGTTAA
Pa_62-3   CAGAGGTAGT GAAGACAAAT AACTAAATGC TGTCCACTGG ATAGCGTTTA AGGGATGAGC TAGACGTTAA
Pa_63-2   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCACTGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_63-3   CAGAGGTAGT GAAGACAAAT AACTAAACTC TGTCCACTGG ATAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_63-4   CAGAGGTAGT GAAGACAAAT AACTAAACGC TGTCCACTGG ATAGTGTTTA AGGGATGAGC TAGACGTTAA
Pa_64-1   CAGAGGTAGT GAAGACAAAT AACTAAACTG TGTCCAATGG ACAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_64-2   CAGAGGTAGT GAAGACAAAT AACTAAACTG TGTCCAATGG ACAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_64-3   CAGAGGTAGT GAAGACAAAT AACTAAACTG TGTCCAATGG ACAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_64-4   CAGAGGTAGT GAAGACAAAT AACTAAACTG TGTCCAATGG ACAGAGTTTA AGGGATGAGC TAGACGTTAA
Pa_79-4   CAGAGGTAGT GAAGACAAAT AACTAAATGC TGTCCACTGG ATAGCGTTTA AGGGATGAGC TAGACGTTAA
```

```
         491
Bd_06-10 CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_09-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_09-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_09-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_10-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_10-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_10-2b CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_11-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_11-6  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_12-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_13-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_13-4  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_13-5  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_14-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_14-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_19-5  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_19-6  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_20-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_20-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Bd_22-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_06-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_06-9  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_07-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_07-5  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_07-6  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_07-8  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_09-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_09-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_09-4  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_10-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_10-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_11-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_11-5  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_13-5  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_14-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_14-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Go_14-4  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_06-2  TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_14-4  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_14-6  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_16-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_19-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_19-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_19-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_21-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_22-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_39-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_39-5  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_50-11 TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_50-12 TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_50-19 TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_50-2  TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_57-2  TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_57-3  TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_57-5  TACTCTAGTG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_62-19 CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_62-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_63-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_63-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_63-4  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_64-1  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_64-2  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_64-3  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_64-4  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
Pa_79-4  CACTCTAGCG AAAGCGATTG GAGGGCAAGT CTGGTGCCAG CAGCCGCGGT AATTCCAGCT CCAATAGTGT
```

```
          561
Bd_06-10  ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_09-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_09-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_09-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACCAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_10-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACCAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_10-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_10-2b  ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_11-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACCAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_11-6   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_12-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_13-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_13-4   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_13-5   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_14-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_14-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_19-5   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_19-6   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_20-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_20-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACCAGGAC TTA-GGCTCT TCCGCTCTGC
Bd_22-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Go_06-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_06-9   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_07-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_07-5   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_07-6   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_07-8   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_09-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Go_09-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACCAGGAC TTA-GGCTCT TCCGCTCTGC
Go_09-4   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGGAC TTA-GGCTCT TCCGCTCTGC
Go_10-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_10-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_11-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_11-5   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_13-5   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_14-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_14-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Go_14-4   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGAAC CCCCGGCCTC TGGGGCATGC
Pa_06-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_14-4   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGGGC TCT-GGCCCA TCGGCACTGC
Pa_14-6   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGGGC TCT-GGCCCA TCGGCACTGC
Pa_16-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAAGC GAACGAGAAC TTT-GGCTTG TTGACTCTGC
Pa_19-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATA TGACAAGAAC TTT-GGCGCT GTTTCTCCCT
Pa_19-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATA TGACAAGAAC TTT-GGCGCT GTTTCTCCCT
Pa_19-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATA TGACAAGAAC TTT-GGCGCT GTTTCTCCCT
Pa_21-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGAAC TTA-GGATCT TTTGCTCTGC
Pa_22-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGAAC TTA-GGATCT TTTGCTCTGC
Pa_39-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGGAC TCT-GGCCC- TCAGCACTGC
Pa_39-5   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACAAGGAC TCT-GGCCC- TCAGCACTGC
Pa_50-11  ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_50-12  ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_50-19  ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_50-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_57-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_57-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_57-5   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACATGGAC TCTTGGATCA TTCTCTTTTA
Pa_62-19  ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT CGACAAGAAC TTT-GGCGCT GTTTCTCCCT
Pa_62-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT CGACAAGAAC TTT-GGCGCT GTTTCTCCCT
Pa_63-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGAAC TTA-GGATCT TTTGCTCTGC
Pa_63-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT TGACGAGAAC TTA-GGATCT TTTGCTCTGC
Pa_63-4   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACAAGGAC TGT-GGTCC- CCAGCACTGC
Pa_64-1   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACGAGGAC TCT-GGCAAT GTGCCTCTGC
Pa_64-2   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACGAGGAC TCT-GGCAAT GTGCCTCTGC
Pa_64-3   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACGAGGAC TCT-GGCAAT GTGCCTCTGC
Pa_64-4   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT AGACGAGGAC TCT-GGCAAT GTGCCTCTGC
Pa_79-4   ATATTAAAGT TGTTGTGATT AAAAAGCTCG TAGTTGAATT CGACAGGACT TTG----TTT CAGCCGCTAC
```

```
          631
Bd_06-10  ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_09-1   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_09-2   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_09-3   ACGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_10-1   ACGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_10-2   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_10-2b  ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_11-2   ACGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_11-6   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_12-2   ACGCAGAGGG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGAA
Bd_13-1   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_13-4   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_13-5   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_14-1   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_14-2   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_19-5   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_19-6   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_20-1   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_20-2   ACGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Bd_22-1   ACGCAGAGGG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGAA
Go_06-1   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_06-9   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--TAGCC TCTCTCCGGA GAGCTATCGT
Go_07-1   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_07-5   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_07-6   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--TAGCC TCTCTCCGGA GAGCTATCGT
Go_07-8   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_09-2   ACGCAGAGGG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGAA
Go_09-3   ACGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Go_09-4   ATGCAGAGAG GAGGAGGCCT TCACTAGTCC TAAACACGCT GCA--CTTTG CCTCTTCGGA GGCGGGTGGA
Go_10-1   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_10-3   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_11-3   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGTC TCTCTCCGGA GAGCTGCTGT
Go_11-5   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_13-5   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_14-2   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_14-3   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Go_14-4   AAGCATGTCA CAGGGCGCCT TCAATGGTTC TAAACACTCA CTG--CAGCT CCTCTCCGGA GGACTGCTGT
Pa_06-2   TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_14-4   ACGCAGTGGT GGTGGGACCT TCCGTAGTCC TAAACACCTC AGG--TGCTG CTCTTCGGAG CGGTAACTGG
Pa_14-6   ACGCAGTGGT GGTGGGACCT TCCGTAGTCC TAAACACCTC AGG--TGCTG CTCTTCGGAG CGGTAACTGG
Pa_16-1   AAGCAGAGAC AGCAC-GTCA GTGATAGTTC TAAACACCCC AGA--GCACG CTCTTCGGAG TGTGTTTTGG
Pa_19-1   CGGGAGCGAC AGTG--GTCA AGTATAGTTC TAAACACCTT CAA--TCACT CTTTTCGGAG GGTGGCTGGA
Pa_19-2   CGGGAGCGAC AGCG--GTCA AGTATAGTTC TAAACACCTT CAA--TCACT CTTTTCGGAG GGTGGCTGGA
Pa_19-3   CGGGAGCGAC AGTG--GTCA AGTATAGTTC TAAACACCTT CAA--TCACT CTTTTCGGAG GGTGGCTGGA
Pa_21-2   ACGCAGAGGA GAAGAGGCCT TCAATAGTTC TAAACAAGCT GCA--CTCTG CCTCTTCGGA GACAGGTGAA
Pa_22-3   ACGCAGAGGA GAAGAGGCCT TCAATAGTTC TAAACAAGCT GCA--CTCTG CCTCTTCGGA GACAGGTGAA
Pa_39-1   TTGCAGTTAC TGAGGGACCT TCCGTAGTTC TAAACACCTC ATC--TACTG CTTTTCGGAG CAGTAAGTGA
Pa_39-5   TTGCAGTTAC TGAGGGACCT TCCGTAGTTC TAAACACCTC ATC--TACTG CTTTTCGGAG CAGTAAGTGA
Pa_50-11  TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_50-12  TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_50-19  TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_50-2   TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_57-2   TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_57-3   TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_57-5   TCCAAAAGAG AGCGATTCCT TCCACAGTCC TCAACACCTT TCATGTTGCT TCTCTCGAGA GGCTCATGGA
Pa_62-19  CGGGAGCGAC AGTG--GTCA AGTATAGTTC TAAACACCTT CAG--TCACT CTTTTCGGAG GGTGAGTGGA
Pa_62-3   CGGGAGCGAC AGTG--GTCA AGTATAGTTC TAAACACCTT CAG--TCACT CTTTTCGGAG GGTGAGTGGA
Pa_63-2   ACGCAGAGCG GAAGAGGCCT TCAATAGTTC TAAAGAAGCT GCA--CTCTG CCTCTTCTGA GACAGGTGAA
Pa_63-3   ACGCAGAGCG GAAGAGGCCT TCAATAGTTC TAAAGAAGCT GCA--CTCTG CCTCTTCTGA GACAGGTGAA
Pa_63-4   ACGCAGTGCC TGAGG-ACCT TCAATAGTTC TAAACACCTC TGA--TACTG CTCTTCGGAG CCGTTTCCGA
Pa_64-1   TCGCAGAGAT GCAGC-GTCA AACACGGTCC TAAACACCTG CGC--GCGTT CTCTTCGGAG GGCGCACGTG
Pa_64-2   TCGCAGAGAT GCAGC-GTCA AACACGGTCC TAAACACCTG CGC--GCGTT CTCTTCGGAG GGCGCACGTG
Pa_64-3   TCGCAGAGAT GCAGC-GTCA AACACGGTCC TAAACACCTG CGC--GCGTT CTCTTCGGAG GGCGCACGTG
Pa_64-4   TCGCAGAGAT GCAGC-GTCA AACACGGTCC TAAACACCTG CGC--GCGTT CTCTTCGGAG GGCGCACGTG
Pa_79-4   TTGTAGCGAG TTGAG-AACA AGTACAGCCC TAAACACCTT CAC--ACTGT CTCTTCGGAG ATGGTGTGGA
```

```
          701
Bd_06-10  GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_09-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_09-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_09-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_10-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_10-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_10-2b  GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_11-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_11-6   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_12-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_13-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_13-4   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_13-5   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_14-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_14-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_19-5   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_19-6   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_20-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_20-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Bd_22-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Go_06-1   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_06-9   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_07-1   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_07-5   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_07-6   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_07-8   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_09-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Go_09-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Go_09-4   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Go_10-1   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_10-3   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_11-3   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_11-5   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_13-5   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_14-2   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_14-3   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Go_14-4   GATATTTACT TTGAATAAAT ACGAGTGTTT AAAGCAAAGC AATAGCTAAT GCAGTATCAA GCATGGGATA
Pa_06-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_14-4   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAT AGAATATGAA GCATGGGATA
Pa_14-6   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAT AGAATATGAA GCATGGGATA
Pa_16-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AAAAGCTAAT AGAATATGAA GCATGGGATA
Pa_19-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AAAAGCTAAT AAAATATGAA GCATGGGATA
Pa_19-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AAAAGCTAAT AAAATATGAA GCATGGGATA
Pa_19-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AAAAGCTAAT AAAATATGAA GCATGGGATA
Pa_21-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Pa_22-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Pa_39-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAC AGAATCTGAA GCATGGGATA
Pa_39-5   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAC AGAATCTGAA GCATGGGATA
Pa_50-11  GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_50-12  GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_50-19  GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_50-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_57-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_57-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_57-5   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTTGCTAAT TAAATATGAA GCATGGGATA
Pa_62-19  GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AAAAGCTAAT AAAATATGAA GCATGGGATA
Pa_62-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AAAAGCTAAT AAAATATGAA GCATGGGATA
Pa_63-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Pa_63-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC ATTAGCTAAT TAAATATGAA GCATGGGATA
Pa_63-4   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAT AGAATCTGAA GCATGGGATA
Pa_64-1   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAT AGAATATGAA GCATGGGATA
Pa_64-2   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAT AGAATATGAA GCATGGGATA
Pa_64-3   GATATTTACT TTGAATAAAT ATGAGTGTTT AAAGCAAAGC AATAGCTAAT AGAATATGAA GCATGGGATA
Pa_64-4   GATATTTACT TTGAATAAAT ATGAATGTTT AAAGCAAAGC AATAGCTAAT AGAATATGAA GCATGGGATA
Pa_79-4   GATATTTACT TTGAATAAAT ATGAATGTTT AAAGCAAAGC AAAAGCTAAT AGAATATGAA GCATGGGATA
```

```
          771
Bd_06-10  ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_09-1   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_09-2   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_09-3   ATAGAGAGGA GATACTTACT TGCGCGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_10-1   ATAGAGAGGA GATACTTACT TGCGCGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_10-2   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_10-2b  ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACA-GTGGTA TTTCTAGATA AGGATTAATA
Bd_11-2   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_11-6   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGAT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_12-2   ATAGAGAGGA GATATTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_13-1   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACA-GTGGTA TTTCTAGATA AGGATTAATA
Bd_13-4   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_13-5   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGAT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_14-1   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_14-2   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_19-5   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGAT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_19-6   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGAT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_20-1   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_20-2   ATAGAGAGGA GATACTTACT TGCGCGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Bd_22-1   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Go_06-1   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GTGCAA TGTCTAGATA AGGATTAATA
Go_06-9   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GTGCAA TGTCTAGATA AGGATTAATA
Go_07-1   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_07-5   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_07-6   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GTGCAA TGTCTAGATA AGGATTAATA
Go_07-8   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GTGCAA TGTCTAGATA AGGATTAATA
Go_09-2   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Go_09-3   ATACAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Go_09-4   ATAGAGAGGA GATACTTACT T--ACGCACT ---ATGTGTT ACG-GTGGTA TTTCTAGATA AGGATTAATA
Go_10-1   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GTGCAA TGTCTAGATA AGGATTAATA
Go_10-3   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_11-3   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_11-5   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_13-5   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_14-2   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_14-3   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Go_14-4   AAAACGAGGA GATTGTTGCC T--GCGCACA ---CTGTGCA AGG-GCGCAA TGTCTAGATA AGGATTAATA
Pa_06-2   ATCATGAGGA GATACATTTC A-TTTTCACA CTTGTGAAAC ATG-ATTGTA TTTCTAGATC AAGATTAAGA
Pa_14-4   ATAGAGAGGA GATGGACATC C--AAGCACG ---ATGTGTG AGG-ATACCA TTTCTAGATA AGGATTAATA
Pa_14-6   ATAGAGAGGA GATGGACATC C--AAGCACG ---ATGTGTG AGG-ATACCA TTTCTAGATA AGGATTAATA
Pa_16-1   ATAGAGAGGA GATGCCATTG C-TGCGCACA ---GAGTGCA AGG-CAGGCA TTTCTAGAGA AGGATTAATA
Pa_19-1   ATAGAGAGGA GATACCCATC C-CAACCACA ---TTGTGGG TGG-CGGGTA TTTCTAGATA AGGATTAATA
Pa_19-2   ATAGAGAGGA GATACCCATC C-CAACCACA ---TTGTGGG TGG-CGGGTA TTTCTAGATA AGGATTAATA
Pa_19-3   ATAGAGAGGA GATACCCATC C-CAACCACA ---TTGTGGG TGG-CGGGTA TTTCTAGATA AGGATTAATA
Pa_21-2   ATAGAGAGGA GATTTCAATC TGCGTACAGA ---TTGTACA AGG-AAGGAA TTTCTATATA AGGATTAATA
Pa_22-3   ATAGAGAGGA GATTTCAATC TGCGTACAGA ---TTGTACA AGG-AAGGAA TTTCTATATA AGGATTAATA
Pa_39-1   ATAGTGAGGA GATGATGATC C--GAGCACA ---ATGTGTG AGGNAAGTCA TTTCTAGATA AGGATTAATA
Pa_39-5   ATAGTGAGGA GATGATGATC C--GAGCACA ---ATGTGTG AGG-AAGTCA TTTCTAGATA AGGATTAATA
Pa_50-11  ATCCTGAGGA GATACATTTC A-TTTTCACA CTTGTGAAAC ATG-ATTGTA TTTCTAGATC AAGATTAAGA
Pa_50-12  ATCATGAGGA GATACATTTC A-TTTTCACA CTTGTGAAAC ATG-ATTGTA TTTCTAGATC AAGATTAAGA
Pa_50-19  ATCATGAGGA GATACATTTC A-TTTTCACA CTTGTGAAAC ATG-ATTGTA TTTCTAGATC AAGATTAAGA
Pa_50-2   ATCATGAGGA GATACATTTC A-TTTTCACA CTTGTGAAAC ATG-ATTGGA TTTCTAGATC AAGATTAAGA
Pa_57-2   ATCATGAGGA GATACATTTC A-TTTTCACA CTTGTGAATC ATG-ATTGTA TTTCTAGATC AAGATTAAGA
Pa_57-3   ATCATGAGGA GATACATTTC A-TTTTCACA CTTGTGAATC ATG-ATTGTA TTTCTAGATC AAGATTAAGA
Pa_57-5   ATCATGAGGA GATACATTTC A-TTTTCACA CTTGTGAATC ATG-ATTGGA TTTCTAGATC AAGATTAAGA
Pa_62-19  ATAGAGAGGA GATACCCACA C-CAACCACA ---TTGTGAT TGG-CGGGTA TTTCTAGATA AGGATTAATA
Pa_62-3   ATAGAGAGGA GATACCCACA C-CAACCACA ---TTGTGAT TGG-CGGGTA TTTCTAGATA AGGATTAATA
Pa_63-2   ATAGAGAGGA GATTTCAATC TGCGTACGAT ---TTGTACA AAG-ATGGAA TTTCTATATA AGGATTAATA
Pa_63-3   ATAGAGAGGA GATTTCAATC TGCGTACGAT ---TTGTACA AAG-ATGGAA TTTCTATATA AGGATTAATA
Pa_63-4   ATAGTGAGGA GATGACGCTC C--GAGCACT ---TTGTGTG AGG-AGGTCA TTTCTAGATA AGGATTAATA
Pa_64-1   ATAGAGAGGA GATGCCATTT C-CAAGCACA ---GTGTGTG AGG-AGGGCA TTTCTAGATA AGGATTAATA
Pa_64-2   ATAGAGAGGA GATGCCATTT C-CAAGCACA ---GTGTGTG AGG-AGGGCA TTTCTAGATA AGGATTAATA
Pa_64-3   ATAGAGAGGA GATGCCATTT C-CAAGCACA ---GTGTGTG AGG-AGGGCA TTTCTAGATA AGGATTAATA
Pa_64-4   ATAGAGAGGA GATGCCATTT C-CAAGCACA ---GTGTGTG AGG-AGGGCA TTTCTAGATA AGGATTAATA
Pa_79-4   ATAGAGAGGA GATGCAGCGA C--AAACAGT ---CGATGTG CGGAGTTGCA TTTCTAGATA AGGATTAATA
```

```
         841
Bd_06-10   GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_09-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_09-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_09-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_10-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_10-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_10-2b   GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_11-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_11-6    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_12-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_13-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_13-4    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_13-5    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_14-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_14-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_19-5    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_19-6    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_20-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_20-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Bd_22-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_06-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_06-9    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_07-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_07-5    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_07-6    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_07-8    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_09-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_09-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_09-4    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_10-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_10-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_11-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_11-5    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_13-5    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_14-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_14-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Go_14-4    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_06-2    GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_14-4    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_14-6    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_16-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_19-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_19-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_19-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_21-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_22-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_39-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_39-5    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_50-11   GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_50-12   GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_50-19   GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_50-2    GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_57-2    GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_57-3    GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_57-5    GAAAGAGACG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_62-19   GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_62-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_63-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_63-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_63-4    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_64-1    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_64-2    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_64-3    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_64-4    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
Pa_79-4    GAAAGAGATG GGGTGATTTA TACGGAAATG GGAGAGGTGA AAATCCATGA TCATTTTAGG ATAAACTGAA
```

```
          911
Bd_06-10  GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_09-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_09-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_09-3   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_10-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_10-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_10-2b  GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_11-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_11-6   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_12-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_13-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_13-4   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_13-5   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_14-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_14-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_19-5   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_19-6   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_20-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_20-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Bd_22-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_06-1   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_06-9   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_07-1   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_07-5   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_07-6   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_07-8   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_09-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_09-3   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_09-4   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_10-1   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_10-3   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_11-3   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_11-5   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_13-5   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_14-2   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_14-3   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Go_14-4   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_06-2   GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_14-4   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_14-6   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_16-1   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_19-1   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_19-2   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_19-3   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_21-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_22-3   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_39-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_39-5   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_50-11  GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_50-12  GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_50-19  GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_50-2   GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_57-2   GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_57-3   GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_57-5   GCGAAAGCAT TTCACTTGAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_62-19  GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_62-3   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_63-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_63-3   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_63-4   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_64-1   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_64-2   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_64-3   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_64-4   GCGAAAGCAT TTCACTTAAA TCTTTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
Pa_79-4   GCGAAAGCAT TTCACTTAAA TCTGTTCATT AATCAAGAAC GAAAGTTAGG GGATCGAAGA CGATTAGATA
```

```
         981
Bd_06-10 CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_09-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_09-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_09-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_10-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_10-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_10-2b CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGGACC AACGCCAGTG ---GTTGCAG
Bd_11-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_11-6  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_12-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_13-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_13-4  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_13-5  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_14-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_14-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_19-5  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_19-6  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_20-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_20-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Bd_22-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Go_06-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Go_06-9  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Go_07-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACC -----CGGCA
Go_07-5  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACC -----CGGCA
Go_07-6  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCAACC -----CGGCA
Go_07-8  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Go_09-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Go_09-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Go_09-4  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC AACGCCAGTG ---GTTGCAG
Go_10-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Go_10-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACC -----CGGCA
Go_11-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACC -----CGGCA
Go_11-5  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACC -----CGGCA
Go_13-5  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Go_14-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Go_14-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Go_14-4  CCGTCGTAGT CCTAACTATA AACGATGTCA ACAAAGGATT GGATTGAACC ATAGCCGACT -----CGGCA
Pa_06-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_14-4  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACCAAAG ---GCTTCTG
Pa_14-6  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACCAAAG ---GCTTCTG
Pa_16-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTATCGCCA -----CTCCG
Pa_19-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTATCACAC ---TGTCTCG
Pa_19-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTATCACAC ---TGTCTCG
Pa_19-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTATCACAC ---TGTCTCG
Pa_21-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC ATGGCCGGAG ---GTTGAAG
Pa_22-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC ATGGCCGGAG ---GTTGAAG
Pa_39-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACA TTTACCGAGG -----CTATG
Pa_39-5  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACA TTTACCGAGG -----CTATG
Pa_50-11 CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_50-12 CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_50-19 CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_50-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_57-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_57-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_57-5  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAATT AAAGCTAGCA CTTGCTTCCG
Pa_62-19 CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACCACAC ---TGTCTCG
Pa_62-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACCACAC ---TGTCTCG
Pa_63-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC ATGGCCGGAG ---GTTGAAG
Pa_63-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC ATGGCCGGAG ---GTTGAAG
Pa_63-4  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACCCAGG -----CTTGA
Pa_64-1  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACTGCTA ---GGCCTCG
Pa_64-2  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACTGCTA ---GGCCTCG
Pa_64-3  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACTGCTA ---GGCCTCG
Pa_64-4  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACTGCTA ---GGCCTCG
Pa_79-4  CCGTCGTAGT CCTAACTATA AACGATGTCA ACGAAGGATT GGATTGAACC TTTACCACTC -----AACCT
```

```
         1051
Bd_06-10 AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_09-1  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_09-2  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_09-3  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_10-1  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_10-2  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_10-2b AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_11-2  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_11-6  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_12-2  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_13-1  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_13-4  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_13-5  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_14-1  AACCAACTGG CACTATACTT CAGTTCAGGA CTTGTTGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_14-2  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_19-5  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_19-6  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_20-1  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_20-2  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Bd_22-1  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Go_06-1  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_06-9  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_07-1  -ACGGGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_07-5  -ACGGGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_07-6  -ACGGGATGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_07-8  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_09-2  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Go_09-3  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Go_09-4  AACCAACTGG CACTATACTT CAGTTCAGGA CTTG-TGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Go_10-1  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_10-3  -ACGGGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_11-3  -ACGGGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_11-5  -ACGGGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_13-5  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_14-2  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAAT-GACT TCAGGGGGAG
Go_14-3  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Go_14-4  -ACGAGACGG CGCGATACTT CAGTTCAGGA CTTA-TAGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_06-2  CTTGTACTAG CACTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTCTAG TTAATGGACT TCAGGGGGAG
Pa_14-4  ---CCTATGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_14-6  ---CCTATGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_16-1  ---GTGGTGG TAGTATACTT CAGTTCAGGA CTTA-GAGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Pa_19-1  -ACAGAGTGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Pa_19-2  -ACAGAGTGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Pa_19-3  -ACAGAGTGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Pa_21-2  AACCAAGCGG CAGTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_22-3  AACCAAGCGG CAGTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_39-1  ---CCTGAGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_39-5  ---CCTGAGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_50-11 CTTGTACTAG CACTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTCTAG TTAATGGACT TCAGGGGGAG
Pa_50-12 CTTGTACTAG CATTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_50-19 CTTGTACTAG CACTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTCTAG TTAATGGACT TCAGGGGGAG
Pa_50-2  CTTGTACTAG CACTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTCTAG TTAATGGACT TCAGGGGGAG
Pa_57-2  CTTGTACTAG CACTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTCTAG TTAATGGACT TCAGGGGGAG
Pa_57-3  CTTGTACTAG CACTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTCTAG TTAATGGACT TCAGGGGGAG
Pa_57-5  CTTGTACTAG CACTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTCTAG TTAATGGACT TCAGGGGGAG
Pa_62-19 -ACAGAGTGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Pa_62-3  -ACAGAGTGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTATAG TTAATGGACT TCAGGGGGAG
Pa_63-2  AACCAAGCGG CAGTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_63-3  AACCAAGCGG CAGTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_63-4  ---CCTGTGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_64-1  -GCCAAGCGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_64-2  -GCCAAGCGG TAGTATATTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_64-3  -GCCAAGCGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_64-4  -GCCAAGCGG TAGTATACTT CAGTTCAGGA CTTT-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
Pa_79-4  AGTTGAGAGG TAGTATACTT CAGTTCAGGA CTTG-AGGGG AAACCTTTAG TTAATGGACT TCAGGGGGAG
```

```
         1121
Bd_06-10 TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_09-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_09-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_09-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_10-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_10-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_10-2b TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_11-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_11-6  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_12-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_13-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_13-4  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_13-5  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_14-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_14-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_19-5  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_19-6  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_20-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_20-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Bd_22-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_06-1  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_06-9  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_07-1  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_07-5  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_07-6  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_07-8  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_09-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_09-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_09-4  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_10-1  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_10-3  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_11-3  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_11-5  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_13-5  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_14-2  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_14-3  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Go_14-4  TATAGTCGCA AGGCCGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_06-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_14-4  TATGCTCGCA AGTGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_14-6  TATGCTCGCA AGTGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_16-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_19-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_19-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_19-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_21-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_22-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_39-1  TATGCTCGCA AGTGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_39-5  TATGCTCGCA AGTGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_50-11 TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_50-12 TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_50-19 TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_50-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_57-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_57-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT GACGGATGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_57-5  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_62-19 TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_62-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_63-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_63-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_63-4  TATGCTCGCA AGTGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_64-1  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_64-2  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_64-3  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_64-4  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
Pa_79-4  TATGCTCGCA AGGGTGAAAC TTAAAGGAAT ------TGAC GGAAGGGCAC ACCAGGAGTG GAGCCTGCGG
```

```
         1191
Bd_06-10 CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_09-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_09-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_09-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_10-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_10-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_10-2b CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_11-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_11-6  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_12-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_13-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_13-4  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_13-5  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_14-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_14-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_19-5  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_19-6  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_20-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_20-2  CTTAA-TTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Bd_22-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_06-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_06-9  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_07-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_07-5  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_07-6  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_07-8  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_09-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_09-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_09-4  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_10-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_10-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_11-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_11-5  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_13-5  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_14-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_14-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Go_14-4  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_06-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_14-4  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCATA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_14-6  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCATA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_16-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_19-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_19-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_19-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_21-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_22-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_39-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_39-5  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_50-11 CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_50-12 CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_50-19 CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_50-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_57-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_57-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_57-5  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_62-19 CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_62-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_63-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_63-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_63-4  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_64-1  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_64-2  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_64-3  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_64-4  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
Pa_79-4  CTTAATTTGA CTCAACACGG GAAAACTTAC CAAGACCAGA CATTAAGAGG AGTGACAGAG TAAGGGAACT
```

```
         1261
Bd_06-10 TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_09-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_09-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_09-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_10-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_10-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_10-2b TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_11-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_11-6  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_12-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_13-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_13-4  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_13-5  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_14-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_14-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_19-5  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_19-6  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_20-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_20-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Bd_22-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_06-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_06-9  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_07-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_07-5  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_07-6  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_07-8  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_09-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_09-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_09-4  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_10-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_10-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_11-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_11-5  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_13-5  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_14-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_14-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Go_14-4  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_06-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_14-4  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_14-6  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_16-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTAATTCCGA
Pa_19-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_19-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_19-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_21-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_22-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_39-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_39-5  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_50-11 TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_50-12 TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_50-19 TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_50-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_57-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_57-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_57-5  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_62-19 TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_62-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_63-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_63-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_63-4  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_64-1  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_64-2  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_64-3  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_64-4  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
Pa_79-4  TTCATGATTT GATGGAGAGT GGTGCATGGC CGTTCTTAGT TGGTGGAGTG ATTTGTCAGG TTTATTCCGA
```

```
         1331
Bd_06-10 TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_09-1  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_09-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_09-3  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGC GATGGCCCTC
Bd_10-1  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_10-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_10-2b TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_11-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_11-6  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_12-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_13-1  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_13-4  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_13-5  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_14-1  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_14-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_19-5  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_19-6  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_20-1  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Bd_20-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGC GATGGCCCTC
Bd_22-1  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGC GATGGCCCTC
Go_06-1  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_06-9  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_07-1  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_07-5  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_07-6  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCT --TCTGTTGC GCTAGCCAGC AATGGCCCTC
Go_07-8  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --TCGGTTGC GCTAGCCAGC AATGGCCCTC
Go_09-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CTAGTGCG GCGAGCCAGT GATGGCCCTC
Go_09-3  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Go_09-4  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTGCG GCGAGCCAGT GATGGCCCTC
Go_10-1  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_10-3  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_11-3  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCT --TCTGTTGC GCTAGCCAGC AATGGCCCTC
Go_11-5  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_13-5  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --TCGGTTGC GCTAGCCAGC AATGGCCCTC
Go_14-2  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --TCGGTTGC GCTAGCCAGC AATGGCCCTC
Go_14-3  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --CTGGTTGC GCTAGCCAGC AATGGCCCTC
Go_14-4  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCC --TCGGTTGC GCTAGCCAGC AATGGCCCTC
Pa_06-2  TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-CATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_14-4  TAACGAACGA GACTTCAATC TTTAATTAGA TCACGCAGCA --CTTGTTGC GGGAGCCAGC AATGGCCCTC
Pa_14-6  TAACGAACGA GACTTCAATC TTTAATTAGA TCACGCAGCA --CTTGTTGC GGGAGCCAGC AATGGCCCTC
Pa_16-1  TAACGAACGA GACTTCAATC TTTAATTAGA TTGCGCAGCA C-TTTGTTGC GGAAGCCAGC AATGGCCCTC
Pa_19-1  TAACGAACGA GACTTCAATC TTTAATTAGA TTACGCAGCA C-CTGGTTGC GCAAGTCAGC AATGACCCTC
Pa_19-2  TAACGAACGA GACTTCAATC TTTAATTAGA TTACGCAGCA C-CTGGTTGC GCAAGTCAGC AATGACCCTC
Pa_19-3  TAACGAACGA GACTTCAATC TTTAATTAGA TTACGCAGCA C-CTGGTTGC GCAAGTCAGC AATGACCCTC
Pa_21-2  TAACGAACGA GACTTCAATC TTTAATTAGA TTGCACAGCA TTTATGTTGT GTGAGCCAGC AATGGCCCTC
Pa_22-3  TAACGAACGA GACTTCAATC TTTAATTAGA TTGCACAGCA TTTATGTTGT GTGAGCCAGC AATGGCCCTC
Pa_39-1  TAACGAACGA GACTTCAATC TTTAATTAGA TTGCACAGCA CTTCTGTTGT GCGAGCCAGC AATGGCCCTC
Pa_39-5  TAACGAACGA GACTTCAATC TTTAATTAGA TTGCACAGCA CTTCTGTTGT GCGAGCCAGC AATGGCCCTC
Pa_50-11 TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-TATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_50-12 TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-TATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_50-19 TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-TATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_50-2  TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-TATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_57-2  TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-CATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_57-3  TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-CATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_57-5  TAACGAACGA GACTTTAATC TTTAATTAGA TCACATAGCT C-CATGTTAT GTGAGCCAGC AATGGCCCTC
Pa_62-19 TAACGAACGA GACTTCAATC TTTAATTAGA TTACGCAGCG --CTGGTTGC GCAAGTCAGC AATGACCCTC
Pa_62-3  TAACGAACGA GACTTCAATC TTTAATTAGA TTACGCAGCG --CTGGTTGC GCAAGTCAGC AATGACCCTC
Pa_63-2  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTACG GTGAGCCAGC AATGGCCCTC
Pa_63-3  TAACGAACGA GACTTCAATC TTTAATTAGA TCACCGTGCT --CCAGTACG GTGAGCCAGC AATGGCCCTC
Pa_63-4  TAACGAACGA GACTTCAATC TTTAATTAGA TGACACAGCA --ACTGTTGT GTGAGCCAGC AATGGCCCTC
Pa_64-1  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCT --CTAGTTGC GTGAGCCAGC AATGGCCCTC
Pa_64-2  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCT --CTAGTTGC GTGAGCCAGC AATGGCCCTC
Pa_64-3  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCT --CTAGTTGC GTGAGCCAGC AATGGCCCTC
Pa_64-4  TAACGAACGA GACTTCAATC TTTAATTAGA TGGCGCAGCT --CTAGTTGC GTGAGCCAGC AATGGCCCTC
Pa_79-4  TAACGAACGA GACTTCAATC TTTAATTAGA TCACGCCGCA --CCTGTGGC GCGAGTCAGA AATGACCCTC
```

```
         1401
Bd_06-10   -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_09-1    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAT CGACCAA-CA CGGCGGTGAG
Bd_09-2    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_09-3    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_10-1    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAT CGACCAA-CA CGGCGGTGAG
Bd_10-2    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_10-2b   -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_11-2    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_11-6    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAT CGACCAA-CA CGGCGGTGAG
Bd_12-2    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_13-1    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_13-4    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAT TGACCAA-CA CGGCGGTGAG
Bd_13-5    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_14-1    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_14-2    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_19-5    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAT CGACCAA-CA CGGCGGTGAG
Bd_19-6    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAT CGACCAA-CA CGGCGGTGAG
Bd_20-1    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_20-2    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Bd_22-1    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Go_06-1    -AAACGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_06-9    -AATCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_07-1    -AAACGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_07-5    -AATCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_07-6    -AAACGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_07-8    -ATTCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_09-2    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Go_09-3    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Go_09-4    -TCACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG AG-TGCGCAC TGACCAA-CA CGGCGGTGAG
Go_10-1    -AATCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_10-3    -AATCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_11-3    -AATCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_11-5    -AATCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_13-5    -ATTCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_14-2    -ATTCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_14-3    -AATCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Go_14-4    -ATTCGAGGT CATCTTAAAG AGACTCTTGC CAATTTTCCG GACTGCACAC CTACCTA-CG GGAGGCTGCG
Pa_06-2    TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_14-4    --AATGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG GACGGGAGGC CTACCAATCG GGAGGACCTT
Pa_14-6    --AATGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG GACGGGAGGC CTACCAATCG GGAGGACCTT
Pa_16-1    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTC-A GTCAGCGGGA CTACCCCTCG GGGAGGCTCG
Pa_19-1    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GACTGCGGAC CTACCCACCG GGAGGATTCG
Pa_19-2    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GACTGCGGAC CTACCCACCG GGAGGATTCG
Pa_19-3    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GACTGCGGAC CTACCCACCG GGAGGATTCG
Pa_21-2    --AATGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GACTTCAGAC CTACCCAATG GGAGGCTCTG
Pa_22-3    --AATGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GACTTCAGAC CTACCCAATG GGAGGCTCTG
Pa_39-1    --AATGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GTCTTCAGAC CTACCCAATG GGAGGCTCTG
Pa_39-5    --AATGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GTCTTCAGAC CTACCCAATG GGAGGCTCTG
Pa_50-11   TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_50-12   TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_50-19   TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_50-2    TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_57-2    TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_57-3    TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_57-5    TCATCGAGGT CTTCTTAAAG AGACTCTTGA CAATTTTCTC ACATGCTCAT TGACCAA-AC AGGTAGTGAG
Pa_62-19   -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GACTGCGGAC CTACCCACCG GGAGGATTCG
Pa_62-3    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCTG GACTGCGGAC CTACCCACCG GGAGGATTCG
Pa_63-2    -ACGCGAGGT CATCTTAAAG AGACTCTTGG CAATTTTCTG ATCTGCGCAC TGACCAA-CT TGGCGGTGAG
Pa_63-3    -ACGCGAGGT CATCTTAAAG AGACTCTTGG CAATTTTCTG ATCTGCGCAC TGACCAA-CT TGGCGGTGAG
Pa_63-4    --AATGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG GATTTCAGAC CTACCTTTCG GGAGGATCTG
Pa_64-1    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG GCCAGCGGAC CTACCCAACG GGAGGATCCG
Pa_64-2    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG GCCAGCGGAC CTACCCAACG GGAGGATCCG
Pa_64-3    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG GCCAGCGGAC CTACCCAACG GGAGGATCCG
Pa_64-4    -AAACGAGGT CTTCTTAAAG AGACTCTTGG CAATTTTCCG GCCAGCGGAC CTACCCAACG GGAGGATCCG
Pa_79-4    --AGTGAGGT CTTCTTAAAG GGACTCTTGG CAATTTTCCG GACTGCGGAC CTACCCA-CG GGAGGATCGG
```

```
         1471
Bd_06-10 TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGACTGCAC
Bd_09-1  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_09-2  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_09-3  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_10-1  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_10-2  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_10-2b TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_11-2  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_11-6  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_12-2  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_13-1  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_13-4  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_13-5  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_14-1  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_14-2  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_19-5  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_19-6  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_20-1  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_20-2  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Bd_22-1  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_06-1  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_06-9  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_07-1  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_07-5  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_07-6  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_07-8  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_09-2  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_09-3  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_09-4  TAGTCGGAAC AAGCTAAGGG AAGAGAAGCA ATAACAGGTC AGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_10-1  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_10-3  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_11-3  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_11-5  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_13-5  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_14-2  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_14-3  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Go_14-4  CAGGCGGAAG AAGGTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_06-2  TATTGAGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_14-4  CTGCTGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_14-6  CTGCTGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_16-1  TAGGCCGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_19-1  CAGGCGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_19-2  CAGGCGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_19-3  CAGGCGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_21-2  GAGCTAGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_22-3  GAGCTAGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_39-1  GAGCTAGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_39-5  GAGCTAGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_50-11 TATGGAGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_50-12 TATTGGGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_50-19 TATGGAGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_50-2  TATGGAGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_57-2  TATGGAGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_57-3  TATGGAGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_57-5  TATGGAGAAC AAGTTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_62-19 CAGGCGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_62-3  CAGGCGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_63-2  TAGTCAGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_63-3  TAGTCAGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_63-4  GAGCTGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_64-1  CCGACGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_64-2  CCGACGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_64-3  CCGACGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_64-4  CCGACGGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
Pa_79-4  CAGCCAGAAG AAGCTAAGGG AAGAGAAGCA ATAACAGGTC TGTGATGCCC TTAGACATCT TGGGCTGCAC
```

```
         1541
Bd_06-10 GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_09-1  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_09-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_09-3  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_10-1  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_10-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_10-2b GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_11-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_11-6  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_12-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_13-1  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_13-4  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_13-5  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_14-1  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_14-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_19-5  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_19-6  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_20-1  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_20-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Bd_22-1  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Go_06-1  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_06-9  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_07-1  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_07-5  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACAGT CGATAGGGAA CG---AACTC TCTAACGAGG
Go_07-6  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_07-8  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_09-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Go_09-3  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Go_09-4  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TCATAGGAGA CCATTGCCTC CCCGGAGGCG
Go_10-1  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_10-3  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACAGT CGATAGGGAA CG---AACTC TCTAACGAGG
Go_11-3  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_11-5  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACAGT CGATAGGGAA CG---AACTC TCTAACGAGG
Go_13-5  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_14-2  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_14-3  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Go_14-4  GCGTGCTACA ATAGCTATCA TCCAGAGTAC -ACACACGGC CGATAGGGAA CG---AACTC TCTAACGAGG
Pa_06-2  GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_14-4  GCGTGCTACA ATATCTATTT TCCAGAGTAC TTTTAGCAGT TTATAGGGCA CGAGTGGCTC TCACGAGCCA
Pa_14-6  GCGTGCTACA ATATCTATTT TCCAGAGTAC TTTTAGCAGT TTATAGGGCA CGAGTGGCTC TCACGAGCCA
Pa_16-1  GCGTGCTACA ATATCTATTT TCAAGAGTAC ACAGAGCAGT CAATAGGACC GGTTTGGCTC TCACGAGCTG
Pa_19-1  GCGTGCTACA ATATCTATTT TCAAGAGTAC -ATCAACAGT CAATAGGAAG CAGTAGGCTC TCGCGAGCTT
Pa_19-2  GCGTGCTACA ATATCTATTT TCAAGAGTAC -ATCAACAGT CAATAGGAAG CAGTAGGCTC TCGCGAGCTT
Pa_19-3  GCGTGCTACA ATATCTATTT TCAAGAGTAC -ATCAACAGT CAATAGGAAG CAGTAGGCTC TCGCGAGCTT
Pa_21-2  GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAGCAGT GTATAGGGCA TGTTTGGCTC TCACGAGCCG
Pa_22-3  GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAGCAGT GTATAGGGCA TGTTTGGCTC TCACGAGCCG
Pa_39-1  GCGTGCTACA ATATCTATTT TCAAGAGTAC TCTTAGCAGT GGATAGGGCA TGGTTGGCTC TCACGAGCCG
Pa_39-5  GCGTGCTACA ATATCTATTT TCAAGAGTAC TCTTAGCAGT GGATAGGGCA TGGTTGGCTC TCACGAGCCG
Pa_50-11 GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_50-12 GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_50-19 GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_50-2  GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_57-2  GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_57-3  GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_57-5  GCGTGCTACA ATATCTATTT TCAAGAGTAC TTTTAACATT CCATAGGTGG ATGTTGGCTT TCACGAGCTG
Pa_62-19 GCGTGCTACA ATATCTATTT TCAAGAGTAC -ATCAACAGT CAATAGGAGA CAGTAGGCTC TCGCGAGCTT
Pa_62-3  GCGTGCTACA ATATCTATTT TCAAGAGTAC -ATCAACAGT CAATAGGAGA CAGTAGGCTC TCGCGAGCTT
Pa_63-2  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TGATAGGAGG TTGTTGACTC CACGGAGGCG
Pa_63-3  GCGTGCTACA ATATCTATTT TCAAGAGCAC TTTAAACTGC TGATAGGAGG TTGTTGACTC CACGGAGGCG
Pa_63-4  GCGTGCTACA ATATCTATTT TCCAGAGTAC TTTTAACAGC GGATAGGGCA CTGTTGGCTC TCACGAGCTG
Pa_64-1  GCGTGCTACA ATATCTATTT TCAAGAGTAC AATGAACAGC CCATAGGTGT TGCGTGGCTC TCACGAGCTG
Pa_64-2  GCGTGCTACA ATATCTATTT TCAAGAGTAC AATGAACAGC CCATAGGTGT TGCGTGGCTC TCACGAGCTG
Pa_64-3  GCGTGCTACA ATATCTATTT TCAAGAGTAC AATGAACAGC CCATAGGTGT TGCGTGGCTC TCACGAGCTG
Pa_64-4  GCGTGCTACA ATATCTATTT TCAAGAGTAC AATGAACAGC CCATAGGTGT TGCGTGGCTC TCACGAGCTG
Pa_79-4  GCGTGCTACA ATATCTATTT TCAAGAGTAC -ATGAACAGT CGATAGGAGG CAATTGGCTC TCGCGAGCTG
```

```
         1611
Bd_06-10 ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_09-1  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_09-2  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_09-3  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_10-1  ACTGGTCTCA ACTAGGGCTG TTGACCTTGC CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_10-2  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_10-2b ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_11-2  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_11-6  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_12-2  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_13-1  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_13-4  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_13-5  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_14-1  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_14-2  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_19-5  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_19-6  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_20-1  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_20-2  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Bd_22-1  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Go_06-1  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_06-9  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_07-1  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_07-5  GGC-GGTCCA ACTAAGACTG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_07-6  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_07-8  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_09-2  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Go_09-3  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Go_09-4  ACTGGTCTCA ACTAGGGCTG TTGACCTTGT CCGAAAGGAT TGGGGAAACT CGTAAGATAG ATGTAACAGG
Go_10-1  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_10-3  GGC-GGTCCA ACTAAGACTG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_11-3  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_11-5  GGC-GGTCCA ACTAAGACTG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_13-5  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_14-2  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_14-3  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Go_14-4  GGC-GGTCCA ACTAAGGCCG AAAACCCAAT CCGAAAGGAG GCGGAAAACT CGTAAGGTAG CTGTAACAGG
Pa_06-2  ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_14-4  GTC-GAGTCA ACTAGAACTG TGTACCTTCT CCGAAAGGAG CGGGAAAACT CGTAAGATAG ATGTAACAGA
Pa_14-6  GTC-GAGTCA ACTAGAACTG TGTACCTTCT CCGAAAGGAG CGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_16-1  AGT-CAGTCG ACTAGGGCTG CGTACCTTCA CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_19-1  AGT-GTTTTG ACTAGGGCTG AACACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_19-2  AGT-GTTTTG ACTAGGGCTG AACACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_19-3  AGT-GTTTTG ACTAGGGCTG AACACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_21-2  AGT-GCGCCA ACTAGCACTG TGTACCTTCT CCGAAAGGAG CGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_22-3  AGT-GCGCCA ACTAGCACTG TGTACCTTCT CCGAAAGGAG CGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_39-1  AGT-GCGCCA ACTAGCACTG TGTACCTTCT CCGAAAGGAG CGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_39-5  AGT-GCGCCA ACTAGCACTG TGTACCTTCT CCGAAAGGAG CGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_50-11 ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_50-12 ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_50-19 ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_50-2  ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_57-2  ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_57-3  ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_57-5  ACA-GACGCA ACTAGGTTTG TCTACCTTTT CCGAAAGGAT TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_62-19 AGT-GTTTCG ACTAGGGCTG AACACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_62-3  AGT-GTTTCG ACTAGGGCTG AACACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_63-2  ATTGATCTCA ACTAGAGCTG TTGACCTTTT CCGAAAGGAC TGGGGAAACT CGTAAGATAG ATGTAACAGG
Pa_63-3  ATTGATCTCA ACTAGAGCTG TTGACCTTTT CCGAAAGGAC TGGGGAAACT CGTAAGATAG ATGTAACAGG
Pa_63-4  ACC-GAGCCG ACTAGCGCTG TGTACCTTCT CCGAAAGGAG CGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_64-1  CGG-GACGCA ACTAGGACTG TGTACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_64-2  CGG-GACGCA ACTAGGACTG TGTACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_64-3  CGG-GACGCA ACTAGGACTG TGTACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_64-4  CGG-GACGCA ACTAGGACTG TGTACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
Pa_79-4  ATT-GCCTCA ACTAAGGCTG AGAACCTTTT CCGAAAGGAG TGGGAAAACT CGTAAGATAG ATGTAACAGG
```

```
         1681
Bd_06-10 GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_09-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_09-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_09-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_10-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_10-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_10-2b GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_11-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_11-6  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_12-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_13-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_13-4  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_13-5  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_14-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_14-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_19-5  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_19-6  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_20-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_20-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Bd_22-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_06-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_06-9  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_07-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_07-5  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_07-6  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_07-8  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_09-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_09-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_09-4  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_10-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_10-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_11-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_11-5  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_13-5  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_14-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_14-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CNTGTAAAAT TTTGTCACTA ACGAAAGTTG
Go_14-4  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_06-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_14-4  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_14-6  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_16-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_19-1  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_19-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_19-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_21-2  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA GCGAAAGTTG
Pa_22-3  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA GCGAAAGTTG
Pa_39-1  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_39-5  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_50-11 GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_50-12 GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_50-19 GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_50-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_57-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_57-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_57-5  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_62-19 GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_62-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_63-2  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_63-3  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_63-4  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_64-1  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_64-2  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_64-3  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_64-4  GATTAATGAT TGGAATTATT TGTTATGTAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
Pa_79-4  GATTAATGAT TGGAATTATT TGTTATGGAA CGAGGAATTC CTTGTAAAAT TTTGTCACTA ACGAAAGTTG
```

```
         1751
Bd_06-10 AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_09-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_09-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_09-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_10-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_10-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_10-2b AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_11-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_11-6  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_12-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_13-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_13-4  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_13-5  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_14-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_14-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_19-5  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_19-6  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_20-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_20-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Bd_22-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_06-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_06-9  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_07-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_07-5  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_07-6  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_07-8  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_09-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_09-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_09-4  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_10-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_10-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_11-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_11-5  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_13-5  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_14-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_14-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Go_14-4  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_06-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_14-4  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_14-6  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_16-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_19-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_19-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_19-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_21-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_22-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_39-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_39-5  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_50-11 AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_50-12 AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_50-19 AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_50-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_57-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_57-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_57-5  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_62-19 AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_62-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_63-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_63-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_63-4  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
Pa_64-1  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TGAAGAGATG AAGGTTTAGG
Pa_64-2  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TGAAGAGATG AAGGTTTAGG
Pa_64-3  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TGAAGAGATG AAGGTTTAGG
Pa_64-4  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TGAAGAGATG AAGGTTTAGG
Pa_79-4  AATACGTCCC TGCCCTTTGT ACACACCGCC CGTCGCTCCT ACCGATTGAA TAAAAAGATG AAGGTTTAGG
```

```
         1821
Bd_06-10 AGGAATCTGC TACGC-AGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_09-1  AGGAATCTGC TACGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_09-2  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_09-3  AGGAATCTGC TACGC-AGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_10-1  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_10-2  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_10-2b AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_11-2  AGGAATCTGC TACGC-AGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_11-6  AGGAATCTGC TACGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_12-2  AGGAATCTGC TACGC-AGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_13-1  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_13-4  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_13-5  AGGAATCTGC TACGC-AGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_14-1  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_14-2  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_19-5  AGGAATCTGC TACGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_19-6  AGGAATCTGC TACGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_20-1  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_20-2  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Bd_22-1  AGGAATCTGC TACGC-AGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Go_06-1  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_06-9  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_07-1  A-GAGTCGAC TACGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_07-5  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_07-6  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_07-8  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_09-2  AGGAATCTGC TACGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_09-3  AGGAATCTGC TACGC-AGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Go_09-4  AGGAATCTGC TATGC-AGAG CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_10-1  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_10-3  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_11-3  A-GAGTCGAC TACGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_11-5  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_13-5  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_14-2  A-GAGTCGAC TACGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_14-3  A-GAGTCGAC TATGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Go_14-4  A-GAGTCGAC TACGT-CGAA GCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_06-2  AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_14-4  AGGAATCAGT TCTGC-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_14-6  AGGAATCAGT TCTGC-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_16-1  AGGAATCACT TCCAG-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_19-1  AGGAATCATC TTTGGATGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_19-2  AGGAATCATC TTTGGATGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_19-3  AGGAATCATC TTTGGATGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_21-2  AGGAATCTAC AACGT-AGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_22-3  AGGAATCTAC AACGT-AGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_39-1  AGGAATCACA ATTAG-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_39-5  AGGAATCACA ATTAG-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_50-11 AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_50-12 AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_50-19 AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_50-2  AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_57-2  AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_57-3  AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_57-5  AGGAATCCAT TCATT-GGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_62-19 AGGAATCATC ACACGATGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_62-3  AGGAATCATC ACACGATGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_63-2  AGGAATCTGC TATGC-AGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_63-3  AGGAATCTGC TATGC-AGAA CCAAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_63-4  AGGAATCAGC ACTAGTTGAA CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_64-1  AGGAATCACC TCTGG-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_64-2  AGGAATCACC TCTGG-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_64-3  AGGAATCACC TCTGG-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_64-4  AGGAATCACC TCTGG-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
Pa_79-4  AGGAATCATC GTTGA-TGAG CCGAATGGAT CTGAATCTCT TTATTTAGAG G
```