



**B**

**3'Recombination region**

⇒ *IS1239*

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-115 TTAGCAAAATGGAAATAATTTTTATTAAACGCTTCCAATAGCGGTTAAAA SPN
      .AGTA...T..T.....CC.....T....GTT...A.... 1162
      .AGTA...T..AT.....T.....GTTA..A.... 1174
      .AGTA...T..T.....C.....T...CGTAA..A.... SMI
      .AGCA...A.....TA..A.C.G.....T...CGTAA..A.... SOR
-35  GTTGACA AATTTAAA TTTTAGGACTTACACTAAGTAAGTAAATTTT TTTT SPN
      .....CC..T.....A..... 1162
      .....CC..T.....A..... 1174
      .....CC..T.....A.....  SMI
      .....CA..T.....A.....  SOR
-15  AAAGGAGAATTTGTTATG SPN
      .....C..... 1162
      .....G.C..C... 1174
      .....C..C...  SMI
      .....CA.C...  SOR
  
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**5'Recombination region**

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1186 GTAAAGAAGCTAAGACAATCATTGAAAATGCAAAGGAAACAGCTGAGCAA SPN
      .....G.....G..A.....A.... 1162
      .....G.....G..A.....A.... 1174
      .....G.....G..A.....A.... SMI
      .C..C..G..C..A.....T..A..G..T..A..AA.G SOR
1236 AGTAAGGCTAATATCTTAGCAGATGCTAAACTAGAAGCGGGACACTTAAA SPN
      .....A.....G.....T.....A.....G..... 1162
      .....A.....G.....T.....A.....G..... 1174
      ..C..A...G...T...G.....G.....A.....G...G... SMI
      .....A..AG...TC.G.....G.....A..T.G..... SOR
  
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**C**

