

# A

```
D.mel GPYQLPLPLPAPQHRSVNPQQQQQQQHQQ< 61nt >PYQVIPEEQFLKILEEELQ
D.sec GPYQLPLPLPAPKHRSVNPQQQQQQQHQQ< 61nt >PYQVIPEEQFLKILEEELQ
D.sim GPYQLPLPLPAPQHRSVNPQQQQQQQHQQ<61nt >PYQVIPEEQFLKILEEELQ
D.yak GPYQLPLPLPAPQHRSVNPQQQQQQQHQQ< 61nt >PYQVIPEEQFLKILEEELQ
D.ere GPYQLPLPLPAPQHRLVNPQQQQQQNQQ< 61nt >PYQVIPEEQFLKILEEELQ
D.ana GPYQLPLPLPAPQHQPGNPQQQQQPQQ< 60nt >PYQIIPEEQFLKILEEELQ
D.pse GPYQLPLPLPAPQHQQGHQPQQHQQHQSQQ-----PYQVIPEEQFLKLLEEELQ
D.wil GPYQLPLPLPAPQHHSQSGHQQQQQQGSTQQ-----QQQPYQVIPEEQFLKLLEEELQ
D.vir GPYQLPLPLPAPQHQQHQQQQQHQQQQQQ-----QQPYQIIPEEQFLKLLEEELQ
D.moj QAYQLPLPLPAPHHQHQQQQQHPPQQQQ-----QQYQIIPEEQFLKILEEELQ
D.gri VPYQLPLPLAAPQHQRHPQQQQQQHQQHQQQQQQQHAQQPYQIIPEEQFLKLLEEELQ
      ***** ** *                               ** *****
```

# B

```
CCC CAG CAG CAG CAG CAG CAA CAT CAG CAG < GTGGGTCATCTAAATGC
GACGCTATAAAGCTCTTATACTAATCAATCCTACTTTCCAAAAG >
```