

```
1
2dppana -----GCGTACTTTCCGGA-----
2dppere -----GCGTACTTTCCAC-----
2dppmel -----GCGTACTTTCCGC-----
2dppmoj -----GCGTACTTTCCGC-----
2dppper -----GCGTACTTTCCGC-----
2dpppse -----GCGTACTTTCCGC-----
2dppsec -----GCGTACTTTCCGC-----
2dppsim -----GCGTACTTTCCGC-----
2dppvir -----GCGTACTTTCCAGC-----
2dppwil -----GCGTACTTTCCGC-----
2dppyak -----GCGTACTTTCCGC-----
3dppana -----AGGATTTTCCCTGA-----
3dppere -----CGGATTTTCCCTGA-----
3dppgri -----GTTATTTTACAAA-----
3dppmel -----CGGATTTTCCCTGA-----
3dppmoj -----CAGGATTTTCCCTCG-----
3dppper -----CTGGATTTTCCCTGA-----
3dpppse -----CTGGATTTTCCCTGA-----
3dppsec -----CGGATTTTCCCTGA-----
3dppsim -----CGGATTTTCCCTGA-----
3dppvir -----CAGGATTTTCCCTG-----
3dppwil -----CGGGATTTTCCCTTT-----
3dppyak -----CGGATTTTCCCTGA-----
4dppana -----ACGCGGAATTTCCGCGGC-----
4dppere -----ACGCGGAAATTCACGGC-----
4dppgri -----ACATTTGGGTTAAGAGTGCGGC-----
4dppmel -----ACGCGGAAATTCACGGC-----
4dppmoj -----ACGCGGAAATTCGACAGC-----
4dppper -----ACGCGGAAATTCGACAGC-----
4dpppse -----ACGCGGAAATTCGACAGC-----
4dppsec -----ACGCGGAAATTCACGGC-----
4dppsim -----ACGCGGAAATTCACGGC-----
4dppvir -----ACGCGGAAATTCGACAGC-----
4dppwil -----ACGCGGAAATTCGACAGC-----
4dppyak -----ACGCGGAAATTCACGGC-----
5dppana -----CCTTGAAAACTTTCTTCGG-----
5dppere -----CCTTGAAAAATTTCTTCGG-----
5dppmel -----CCTTGAAAAATTTTCTAAG-----
5dppmoj -----CCTTGAAAAATTTCTAGAG-----
5dppper -----CCTTGAGAAATTTCAACGG-----
5dpppse -----CCTTGAGAAATTTCAACGG-----
5dppsec -----CCTTGAAAAATTTCTTAGG-----
5dppsim -----CCTTGAAAAATTTCTTAGG-----
5dppvir -----CCTTGAAAAATTTCTACGG-----
5dppwil -----CCTTGAAAAATTTCTACGG-----
5dppyak -----CCTTGAAAAATTTCTAGTG-----
6dppana -----ATGGCTTTTATATT-----
6dppere -----ATGGCTTTTATATT-----
6dppmel -----ATGGCTTTTATATT-----
6dppmoj -----ATGGCTTTTATATT-----
6dppper -----ATGGCTTTTATATT-----
6dpppse -----ATGGCTTTTATATT-----
6dppsec -----ATGGCTTTTATATT-----
6dppsim -----ATGGCTTTTATATT-----
6dppvir -----ATGGCTTTTATATT-----
6dppwil -----ATGGCTTTTATATT-----
6dppyak -----ATGGCTTTTATATT-----
ddppana -----GCATTATTTTCCGC-----
ddppere -----GCATTATTTTCCGC-----
ddppmel -----GCATTATTTTCCGC-----
ddppmoj -----GCATTATTTTCCAC-----
ddppper -----GCATTATTTTCCGC-----
ddpppse -----GCATTATTTTCCGC-----
ddppsec -----GCATTATTTTCCGC-----
ddppsim -----GCATTATTTTCCGC-----
ddppvir -----GCATTATTTTCCAC-----
ddppwil -----GCATTATTTTCCAC-----
ddppyak -----GCATTATTTTCCGC-----
edppana -----ATTAGAGTACTCAAAACAATAA-----
edppere -----ATTATAGGGTCGAACAATAA-----
edppmel -----ATTATAGGGTCGAACAATAA-----
edppmoj -----ATTAGAGGGGATGAACAATAA-----
edppper -----ATTAGAGGGACGGACAATAA-----
edpppse -----ATTAGAGGGACGGACAATAA-----
edppsec -----ATTATAGGGTCGTACAATAA-----
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edppsim    -----ATTATAGGGTCGAACAATAA-----
edppvir    ---ATTAGAGGGATGAACAATAA-----
edppwil    -----ATTAGAGAGATGAACAATAA-----
edppyak    -----ATTATAGGGTCGAACAATAA-----
1tldana    -----AGGGATTACAGGCGCA-----
1tldere    -----GAGAGCCATAACCAG-----
1tldgri    -----AAGGCACAAGCGCA-----
1tldmel    -----TGGAATTACCGCG-----
1tldmoj    -----CTGGGTCATATTCA-----
1tldpse    -----TGGAATTACCGAG-----
1tldsec    -----TGGAATTACCACG-----
1tldsim    -----TGGAATTACCACG-----
1tldvir    -----TGGAATTACCGCG-----
1tldwil    -----GGGAATTACCGCG-----
1tldyak    -----TGGAATTACCGCG-----
2tldgri    -----AGGGATACCCA-----
2tldmel    -----CAGGAATACCCA-----
2tldmoj    -----AGGAATACCCA-----
2tldpse    -----AGGGATACCCA-----
2tldsec    -----CAGGGATACCCA-----
2tldsim    -----CAGGGATACCCA-----
2tldvir    -----AGGAATACCCA-----
2tldwil    -----AGGGATACCCA-----
2tldyak    -----CAGGGATACCCA-----
3tldmel    -----CCAGAAATACCCAC-----
3tldsec    -----CCAGAAATACCCAC-----
3tldsim    -----CCAGAAATACCCAC-----
3tldyak    -----CCAGAAATACGCAA-----
1zenana    -----TCGGGAAAACCCAGC-----
1zenere    -----TCGGGAAAACCCAGA-----
1zengri    -----TCGGGAAAACCCAGC-----
1zenmel    -----TCGGGAAAACCCAGA-----
1zenmoj    -----TCGGGAAAACCCAGC-----
1zenper    -----GCGGTAAAAATGGA-----
1zenpse    -----TCGGGAAAACCCAGC-----
1zensec    -----TCGGGAAAACCCAGA-----
1zensim    -----TCGGGAAAACCCAGA-----
1zenvir    -----TCGGGAAAACCCAGC-----
1zenwil    -----TCGGGAAAACCCAGC-----
1zenyak    -----TCGGGAAAACCCAGA-----
2zenana    -----ATGGGAGAAACCCAA-----
2zenere    -----CTGGGAGAAACCCAA-----
2zengri    -----ATGGGAGAAACCCAA-----
2zenmel    -----CTGGGAGAAACCCAA-----
2zenmoj    -----ATGGGAGAAACCCAT-----
2zenper    -----AATCCGGGAAAACCAA-----
2zenpse    ---TTGGGAAACACTGGGAATTTCCAA-----
2zensec    -----CTGGGAGAAACCCAA-----
2zensim    -----CTGGGAGAAACCCAA-----
2zenvir    -----ATGGGAGAAACCCAC-----
2zenwil    -----GATGGGATAAACCCAG-----
2zenyak    -----CTGGGAGAAACCCAA-----
3zenana    -----CTGGATTTTCCATA-----
3zenere    -----CTGGATTTTCCAAA-----
3zengri    -----TCGGATTTTCCCGTA-----
3zenmel    -----CTGGATTTTCCAAA-----
3zenmoj    -----TTGGATTTTCCATA-----
3zenper    -----CCAGTGTTTCCCA-----
3zenpse    -----CCGGATTTTCCATA-----
3zensec    -----CTGGATTTTCCAAA-----
3zensim    -----CTGGATTTTCCAAA-----
3zenvir    -----TTGGATTTTCCAAG-----
3zenwil    -----TTGGATTTTCCATA-----
3zenyak    -----CTGGATTTTCCAAA-----
4zenana    -----TTTGGTTTTTCCAAA-----
4zenere    -----CTTGGTTTTTCCCAG-----
4zenmel    -----CTTGGTTTTTCCCAG-----
4zenpse    -----TTTGGGATTTTCCCC-----
4zensec    -----CTTGGTTTTTCCCAG-----
4zensim    -----CTTGGTTTTTCCCAG-----
4zenyak    -----CTTGGTTTTTCCCAG-----
1twiana    -----GAGACCGGGGCAAAAACCT-----
1twiere    -----GGCACAGGGCAAAAACCT-----
1twigri    -----CTGAGAAAAAACCT-----
1twimel    -----GGGACAGGGCAAAAACCT-----
1twimoj    ---GTGAAGACAAAAAAACCC-----
1twiper    -----GGGGCAAAAACCT-----
1twipse    -----GGGGCAAAAACCT-----
1twisec    -----GGGTCAGGGCAAAAACCT-----

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1twisim	-----GGGACAGGGCAAAAACCT-----
1twivir	-----GGGACAAAAAAAAACCT-----
1twiwil	-----AGGGCAAAAACCT-----
1twiyak	-----AGGGCAAAAACCT-----
2twiana	-----CGGAGTTCCCCT-----
2twiere	-----TGGAGTTCCCCT-----
2twigri	-----TGGTGTTCCTCCCA-----
2twimel	-----TGGAGTTCCCCT-----
2twimoj	-----TGGAGTTCCCTCT-----
2twiper	-----TGGGGTTCCCCT-----
2twipse	-----TGGGGTTCCCCT-----
2twisec	-----TGGAGTTCCCCT-----
2twisim	-----TGGAGTTCCCCT-----
2twivir	-----TGGAGTTCCCTTA-----
2twiwil	-----CGGAGTTCCCAGT-----
2twiyak	-----TGGAGTTCCCCT-----
3twiana	-----CGAGAGAAAAACCCAA-----
3twiere	-----CGAGAGAAAAACCCAA-----
3twimel	-----CGAGAGAAAAACCCAA-----
3twimoj	-----CGGTTGACAAAAACCCAA-----
3twisec	-----CGAGAGAAAAACCCAA-----
3twisim	-----CGAGAGAAAAACCCAA-----
3twiyak	-----CAGGAGAGAAAAACCCAA-----
4twiana	-----GGATTATTTTCCCA-----
4twiere	-----GCATTTTCCCA-----
4twigri	-----CTCTCTCGGC-----
4twimel	-----GCATTTTCCCA-----
4twisec	-----GCATTTTCCCA-----
4twisim	-----GCATTTTCCCA-----
4twivir	-----GGCTCTGCTCTTGCC-----
4twiwil	-----GTGTTGCACATTCTGACCCCA-----
4twiyak	-----GCATTTTCCCA-----
5twiana	-----AAAGAATAACCCAA-----
5twiere	-----AAAGAATAACCCAA-----
5twimel	-----AAAGAATAACCCAA-----
5twiper	-----AAAGAATAACCCAA-----
5twipse	-----AAAGAATAACCCAA-----
5twisec	-----AAAGAATAACCCAA-----
5twisim	-----AAAGAATAACCCAA-----
5twiyak	-----AAAGAATAACCCAA-----
6twiana	-----GAGAGGGCTGTCCAA-----
6twiere	-----AGAGAAAAGATCCAG-----
6twigri	-----GGCGCGGAAAAATTGCAG-----
6twimel	-----AGAGAAAACAGAAAAATCCAG-----
6twimoj	-----ACGGAAATTGCAGCC-----
6twiper	-----ACGAAAAATCTCTG-----
6twipse	-----ACGAAAAATCTCTG-----
6twisec	-----AGAGAAAAAGAAAAATCCAG-----
6twisim	-----AGAGAAAAAGAAAAATCCAG-----
6twivir	-----AGCGCGCAAAATTGCAGCC-----
6twiyak	-----AGAGAAAAATCCAG-----
7twiana	-----ATGCGTGTATTTGTGCGTC-----
7twiere	-----GCCCGATTTTCTCGGT-----
7twimel	-----GCCTGCGATTTTCTCGGT-----
7twiper	-----TGGGATGTGTTTTTCTCGGT-----
7twipse	-----TGGGATGTGTTTTTCTCGGT-----
7twisec	-----GCCTGATATTTTCTCGGT-----
7twisim	-----GCCTGCGATTTTCTCGGT-----
7twivir	-----TGGGATTGTGTCTTGTGTGT-----
7twiyak	-----GCCTGCGCTTTTCCCGGT-----
brkana	-----TTTGTCTTGGAAAAGCCCCA-----
brkere	-----TTTGGACGGGAAAAGCCCCA-----
brkmel	-----TTTGAACGGGAAAAGCCCCA-----
brkmoj	-----GGTGTACGGGAAAAGCCCCA-----
brkper	-----GACTGGCGGGAAAAGCCCCA-----
brkpse	-----GACTGGCGGGAAAAGCCCCA-----
brksec	-----TTTGAACGGGAAAAGCCCCA-----
brksim	-----TTTGAACGGGAAAAGCCCCA-----
brkvir	-----GCTGGACGGGAAAAGCCCCA-----
brkwil	-----GTGCGTCGGGAAAAGCCCCA-----
brkyak	-----ATTGGACGGGAAAAGCCCCA-----
brkgri	-----ATGGGGCTTTCCCGCTG-----
rhoana	-----GCGGAATTCCTG-----
rhoere	-----GCGGAATTCCTG-----
rhogri	-----GCGGAATTCCTG-----
rhomel	-----GCGGAATTCCTG-----
rhomoj	-----GCGGAATTCCTG-----
rhopse	-----GCGGAATTCCTG-----
rhosec	-----GCGGAATTCCTG-----

[illegible]