```
                 5950      5960      5970      5980      5990      6000      6010      6020      6030      6040      6050
                  |         |         |         |         |         |         |         |         |         |         |
1 Cattle         aatgtgacat aagcaaaatg attagttttc tttctttaat aatgagtcct tgaggtagga gagtgttttg ggatc-tatt attaactctt ctttcctttc catacagact
2 Cattle2        aatgtgacat aagcaaaatg attagttt-c tttctttaat aatgagtcct tgaggtagga gagtgttttg ggatc-tatt attaactctt ctttcctttc catacagact
3 Chicken        aatttgatat gttt---gtg -tcagaga-c atctatctgc atgttttcct caaattacat acgcctacct tgttaatact tccgattcct -tttcctctt ctctcagaac
4 Human          ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
5 Catfish        agatcgac-- --------tg a--attgctc tttat----- --------ct caaag----- -ag------- ---tcatgct tttg-----t ttttccaatc c---cagctc
6 Bream          ---------- ggtt---gtg -tc---gt-c --caaaccg- aagtattc-- ------acac a--cc----- -gtt----ct gtcg------ -ttgc----- -----agcaa
7 Pig_mRNA       ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ----------

                 6060      6070      6080      6090      6100      6110      6120      6130      6140      6150      6160
                  |         |         |         |         |         |         |         |         |         |         |
1 Cattle         cctttttag aagtcaaggt aacagacaca ccaaaaagat ctaggagaga ttttgggctt gattgtgatg aacactccac agaatctcga tgctgtcgtt accctctaac
2 Cattle2        cctttttag aagtcaaggt aacagacaca ccaaaaagat ctaggagaga ttttgggctt gattgtgatg aacactccac agaatctcga tgctgtcgtt accctctaac
3 Chicken        ccatttttag aggtcagagt tacagacaca ccgaaacggt cccgcagaga ttttggcctt gactgtgatg agcactcaac ggaatcccga tgttgtcgct acccgctgac
4 Human          ccgtttttag aggtcaaggt aacagacaca ccaaaaagat ccagaaggga ttttggtctt gactgtgatg agcactcaac agaatcacga tgctgtcgtt accctctaac
5 Catfish        ccgttcttgg aggtgaaaat ttctgaagtt ccaaagcgaa ccaggagaga atcaggacta gactgtgatg agaattcgtc cgagtcccgc tgctgccgct acccccttac
6 Bream          ccgttcatgg aggtgaagat ctcggagggg cccaagcgtg tccggagaga ctcgggcctg gactgtgacg agaactctcc agagtcccgg tgctgccgct acccgctcac
7 Pig_mRNA       ---------- ---------- ---------- ---------- ------gaga ttttggactc gactgtgatg agcactcaac agaatctcga tgctgtcgtt accctctaac

                 6170      6180      6190      6200      6210      6220      6230      6240      6250      6260      6270
                  |         |         |         |         |         |         |         |         |         |         |
1 Cattle         tgtggatttt gaagcttttg gatgggattg gattattgca cctaaaagat ataaggccaa ttactgctct ggagaatgtg aatttgtatt tttgcaaaag tatcctcata
2 Cattle2        tgtggatttt gaagcttttg gatgggattg gattattgca cctaaaagat ataaggccaa ttactgctct ggagaatgtg aatttgtatt tttgcaaaag tatcctcata
3 Chicken        agtggatttc gaagcttttg gatgggactg gattatagca cctaaaagat acaaagccaa ttactgctcc ggagaatgcg aatttgtgtt tctacagaaa tacccgcaca
4 Human          tgtggatttt gaagcttttg gatgggattg gattatcgct cctaaaagat ataaggccaa ttactgctct ggagagtgtg aatttgtatt tttacaaaaa tatcctcata
5 Catfish        ggtggacttt gaagacttcg gctgggactg gattattgcc ccaaaacgct acaaggccaa ctactgctcg ggcgagtgcg actacgtgca cttgcagaag tacccgcata
6 Bream          ggtggacttc gaagactttg gctgggactg gattattgcc ccaaagcgct acaaggccaa ctattgctcc ggggagtgtg agtacatgca cttgcagaag tacccgcaca
7 Pig_mRNA       tgtggatttt gaagcttttg gatgggactg gattattgca cccaaaagat ataaggccaa ttactgctct ggagagtgtg aatttgtatt tttacaaaaa taccctcaca

                 6280      6290      6300      6310      6320      6330      6340      6350      6360      6370      6380
                  |         |         |         |         |         |         |         |         |         |         |
1 Cattle         cccatcttgt gcaccaagca aaccccagag gttcagccgg cccctgctgt actcctacaa agatgtctcc aattaatatg ctatatttta atggcgaagg acaaataata
2 Cattle2        cccatcttgt gcaccaagca aaccccagag gttcagccgg cccctgctgt actcctacaa agatgtctcc aattaatatg ctatatttta atggcgaagg acaaataata
3 Chicken        ctcacctggt acaccaagca aatcccagag gtccagcagg cccttgctgc acacccacca agatgtcccc tataaacatg ctgtatttca atggaaaaga acaaataata
4 Human          ctcatctggt acaccaagca aaccccagag gttcagcagg cccttgctgt actcccacaa agatgtctcc aattaatatg ctatatttta atggcaaaga acaaataata
5 Catfish        cacacttggt gaacaaggcc aacccacgtg gcactgccgg cccctgctgc acgcccacca agatgtctcc catcaacatg ctctacttca acggaaaaga gcagatcatc
6 Bream          cccacctggt gaacaaagcc aaccccagag ggtccgcggg cccctgctgt acccccacca agatgtcgcc catcaacatg ctctacttta accgaaaaga gcagatcatc
7 Pig_mRNA       ctcatcttgt gcaccaagca aaccccagag gttcagcagg cccctgctgt actcccacaa agatgtctcc aatcaatatg ctatatttta atggcaaaga acaaataata

                 6390      6400      6410      6420      6430      6440      6450      6460      6470      6480      6490
                  |         |         |         |         |         |         |         |         |         |         |
1 Cattle         tacgggaaga ttccagccat ggtagtagat cgctgtgggt gttcatgagg tctatatttg g--ttcatag cttcctcaaa catggaaggt cttcccctca acaattttga
2 Cattle2        tacgggaaga ttccagccat ggtagtagat cgctgtgggt gttcatgagg tctatatttg g--ttcatag cttcctcaaa catggaaggt cttcccctca acaattttga
3 Chicken        tatggaaaga taccagccat ggttgtagat cgttgcgggt gctcatga-- -----atttt g--g------ ----ctgac- ---gtgagac cc------ct tcgat-----
4 Human          tatgggaaaa ttccagcgat ggtagtagac cgctgtgggt gctcatgaga tttatattaa gcgttcataa cttcctaaaa catggaaggt tttcccctca acaattttga
5 Catfish        tacggcaaga tcccctccat ggtagtggat cgctgtggct gctcgtga-- ---------- -cg------- ---------a catg------ ----ccc--- ----------
6 Bream          tacggcaaga tcccctccat ggtggtagac cgttgtggat gctcttga-- ---------- g--t------ ----cggga- ---gggagat ct------cg gcga------
7 Pig_mRNA       tatgggaaaa ttccagccat ggtagtagat cgctgtgggt gctcatga-- ---------- ---------- ---------- ---------- ---------- ----------

                 6500      6510      6520      6530      6540      6550      6560      6570      6580      6590      6600
                  |         |         |         |         |         |         |         |         |         |         |
1 Cattle         aactgtgaaa ttatgtacca caggctataa gcctagagta tgctacagtc acttaagcac aagctacagt atatgagcta aaaagagaga ctatatgcaa tggttggcat
2 Cattle2        aactgtgaaa ttatgtacca caggctataa gcctagagta tgctacagtc acttaagcac aagctacagt atatgagcta aaaagagaga atatatgcaa tggttggcat
3 Chicken        -------aaa ttgtg----- ---------- -------gaa -------gcc accaaa---- aa-------- ---------a aaaagc---- -tatatcccc tcat--ccat
4 Human          agctgtgaaa ttaagtacca caggctatag gcctagagta tgctacagtc acttaagcat aagctacagt atgtaaacta aaagggg-ga atatatgcaa tggttggcat
5 Catfish        ---------- ---------- ---------- ---------a tgc------- ---------- ---------- ---------- ----gag-ga ctcgatcc-- --gttccctt
6 Bream          ---------- ----g----- ---------- -------gtc -------gg- acg------- ---------- ---------- ----gc---- -tcggtccgg gcct--ccag
7 Pig_mRNA       ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
```