

Additional file 5: Multiple sequence alignment of GACA-tagged 1.8 kb transcript originating from different tissues of buffalo

```

Testis      ----ACAGACAGACAGACAGTGGCAGGGTCTACCCTGAAATCAGTCCAGTTCAGTCACTC 56
Ovary      ----ACAGACAGACAGACAGTGGCAGGGTCTACCCTGAAATCAGTCCAGTTCAGTCACTC 56
Spleen     ACAGACAGACAGACAGACAGTGGCAGGGTCTACCCTGAAATCAGTCCAGTTCAGTCACTC 60
Liver      ----ACAGACAGACAGACAGTGGCAGGGTCTACCCTGAAATCAGTCCAGTTCAGTCACTC 56
Lung       ----ACAGACAGACAGACAGCGGCAGGATCTACCTTGAAATCAGTTCAGTTCAGTCACTC 56
Heart      ----ACAGACAGACAGACAGTGGCAGGGTCTACCCTGAAATCAGTCCAGTTCAGTCACTC 56
Brain      ----ACAGACAGACAGACAGTGGCAGGGTCTACCCTGAGATCAGTCCAGTTCAGTCACTC 56
          *****

Testis     AGTCTTATCCGACTCTTTGCGACCCATGGACTGCAGCACACCAGGCTTCCCTGTCCATC 116
Ovary     AGTCTTATCCGACTCTTTGCGACCCATGGACTGCAGCACACCAGGCTTCCCTGTCCATC 116
Spleen    AGTCTTATCCGACTCTTTGCGACCCATGGACTGCAGCACACCAGGCTTCCCTGTCCATC 120
Liver     AGTCTTATCCGACTCTTTGCGACCCATGGACTGCAGCACACCAGGCTTCCCTGTCCATC 116
Lung      AGTCTTATCCGACTCTTTGCGACCCATGGACTGCAGCACACCAGGCTTCCCTGTCCATC 116
Heart     AGTCTTATCCGACTCTTTGCGACCCATGGACTGCAGCACACCAGGCTTCCCTGTCCATC 116
Brain     AGTCTTATCCGACTCTTTGCGACCCATGGACTGCAGCACACCAGGCTTCCCTGTCCATC 116
          ****

Testis     -----GAATCCGTGATGCCATCCAACCAC 140
Ovary     -----GAATCCGTGATGCCATCCAACCAC 140
Spleen    -----GAATCCGTGATGCCATCCAACCAC 144
Liver     -----GAATCCGTGATGCCATCCAACCAC 140
Lung      ACCAACTCCAGAGTTTATTCAAACATCATGTCCATCGAATCCGTGATGCCATCCAACCAC 176
Heart     -----GAATCCGTGATGCCATCCAACCAC 140
Brain     -----GAATCCGTGATGCCATCCAACCAC 140
          *****

Testis     CTCCTCCTCTGTCATCCCCCTTCTCCTCCTGCCTTTAATCTTTCCAGCATCAGGGTATTT 200
Ovary     CTCCTCCTCTGTCATCCCCCTTCTCCTCCTGCCTTTAATCTTTCCAGCATCAGGGTATTT 200
Spleen    CTCCTCCTCTGTCATCCCCCTTCTCCTCCTGCCTTTAATCTTTCCAGCATCAGGGTATTT 204
Liver     CTCCTCCTCTGTCATCCCCCTTCTCCTCCTGCCTTTAATCTTTCCAGCATCAGGGTATTT 200
Lung      TTCCTCCTCTGTCATCCCCCTTCTCCTCCTGCCTTTAATCTTTCCAGCATCAGGGTATTT 236
Heart     CTCCTCCTCTGTCATCCCCCTTCTCCTCCTGCCTTTAATCTTTCCAGCATCAGGGTATTT 200
Brain     CTCCTCCTCTGTCATCCCCCTTCTCCTCCTGCCTTTAATCTTTCCAGCATCAGGGTATTT 200
          *****

Testis     TCAAATGAGTCAGTTCTTCGCATCAGGTGGCCAAAGGATTGGAGTTTCAGCTTCAACACC 260
Ovary     TCAAATGAGTCAGTTCTTCGCATCAGGTGGCCAAAGGATTGGAGTTTCAGCTTCAACACC 260
Spleen    TCAAATGAGTCAGTTCTTCGCATCAGGTGGCCAAAGGATTGGAGTTTCAGCTTCAACACC 264
Liver     TCAAATGAGTCAGTTCTTCGCATCAGGTGGCCAAAGGATTGGAGTTTCAGCTTCAACACC 260
Lung      TCAAATGAGTCAGTTCTTCGCATCAGGTGGCCAAAGGATTGGAGTTTCAGCTTCAACACC 296
Heart     TCAAATGAGTCAGTTCTTCGCATCAGGTGGCCAAAGGATTGGAGTTTCAGCTTCAACACC 260
Brain     TCAAATGAGTCAGTTCTTCGCATCAGGTGGCCAAAGGATTGGAGTTTCAGCTTCGACACC 260
          *****

Testis     AGTCCTTCCAATGAATATTCAGGACTTATTTCTTTAGGATGGACTGGTTAGATCTCCTT 320
Ovary     AGTCCTTCCAATGAATATTCAGGACTTATTTCTTTAGGATGGACTGGTTAGATCTCCTT 320
Spleen    AGTCCTTCCAATGAATATTCAGGACTTATTTCTTTAGGATGGACTGGTTAGATCTCCTT 324
Liver     AGTCCTTCCAATGAATATTCAGGACTTATTTCTTTAGGATGGACTGGTTAGATCTCCTT 320
Lung      AGTTCCTTCCAATGAATATTCAGGATTTGATTTCTGTTTAGGATGGACTGGTTAGATCTCCTT 356
Heart     AGTCCTTCCAATGAATATTCAGGACTTATTTCTTTAGGATGGACTGGTTAGATCTCCTT 320
Brain     AGTCCTTCCAATGAATATTCAGGACTTATTTCTTTAGGATGGACTGGTTAGATCTCCTT 320
          ***

Testis     GCTGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACACACACAGTTCAAAAGCACCAA 380
Ovary     GCTGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACACACACAGTTCAAAAGCACCAA 380
Spleen    GCTGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACACACACAGTTCAAAAGCACCAA 384
Liver     GCTGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACACACACAGTTCAAAAGCACCAA 380
Lung      GCTGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACACACAGTTCAAAAGCACCAA 416
  
```

Heart GCTGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACAC**G**ACAGTTCAAAGCACCAA 380
Brain GCTGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACAC**A**ACAGTTCAAAGCACCAA 380

Testis TTCTTCAGTGCTCAGA-ATT**C**TATTTTTT-GAAATGGGCGTCCCCTATTTCAAAGTGAGA 438
Ovary TTCTTCAGTGCTCAGA-ATT**C**TATTTTTT-GAAATGGGCGTCCCCTATTTCAAAGTGAGA 438
Spleen TTCTTCAGTGCTCAGA-ATT**C**TATTTTTTTTGAATGGGCGTCCCCTATTTCAAAGTGAGA 443
Liver TTCTTCAGTGCTCAGA-ATT**C**TATTTTTTTTGAATGGGCGTCCCCTATTTCAAAGTGAGA 439
Lung TTCTTC**G**TGCTCAG**C**TATTTTATTTTTTTTGA**A**G**T**GGG**C**A**T**CCCCTATTTCAAAGTGAGA 476
Heart TTCTTCAGTGCTCAGA-ATT**T**TATTTTTTTTGAATGGGCGTCCCCTATTTCAAAGTGAGA 439
Brain TTCTTCAGTGCTCAGA-ATT**T**TATTTTTTTTGAATGGGCGTCCCCTATTTCAAAGTGAGA 439

Testis CCAGGGCCCAAGGGCTGAGAGGATCCTCCACCTACCTCTAAGGCTTCAAAAACAGACCA 498
Ovary CCAGGGCCCAAGGGCTGAGAGGATCCTCCACCTACCTCTAAGGCTTCAAAAACAGACCA 498
Spleen CCAGGGCCCAAGGGCTGAGAGGATCCTCCACCTACCTCTAAGGCTTCAAAAACAGACCA 503
Liver CCAGGGCCCAAGGGCTGAGAGGATCCTCCACCTACCTCTAAGGCTTCAAAAACAGACCA 499
Lung CCAGGGCCCAAGGG**C**TGAGGGAT**C**TT**G**C**C**T**A**G**C**T**C**T**A**G**G**C**T**T**C**A**A**A**A**C**C**A**G**A**C**A**A** 536
Heart CCAGGGCCCAAGGG**C**GAGAGGATCCTCCACCTACCTCTAAGGCTTCAAAAACAGACCA 499
Brain CCAGGGCCCAAGGG**C**GAGAGGATCCTCCACCTACCTCTAAGGCTTCAAAAACAGACCA 499

Testis GAGAAATAGGATCCAGAGAGCAGGAATTC**A**TCACCCCTGCAGCTGATGAAATTAGAGC 558
Ovary GAGAAATAGGATCCAGAGAGCAGGAATTC**A**TCACCCCTGCAGCTGATGAAATTAGAGC 558
Spleen GAGAAATAGGATCCAGAGAGCAGGAATTC**A**TCACCCCTGCAGCTGATGAAATTAGAGC 563
Liver GAGAAATAGGATCCAGAGAGCAGGAATTC**A**TCACCCCTGCAGCTGATGAAATTAGAGC 559
Lung GAGAA**G**AGGATCCAGAGAGCAGGAATTC**A**TCACCCCTGCAGCTGATGAAATTAGAGC 596
Heart GAGAAATAGGATCCAGAGAGCAGGAATTC**A**TCACCCCTGCAGCTGATGAAATTAGAGC 559
Brain GAGAAATAGGATCCAGAGAGCAGGAATTC**A**TCACCCCTGCAGCTGATGAAATTAGAGC 559

Testis CTGCATGTGGATGTCAATCCAGGAAGGCAAGTGGAGAGTCCCATCCTGGGGACTCCCTTC 618
Ovary CTGCATGTGGATGTCAATCCAGGAAGGCAAGTGGAGAGTCCCATCCTGGGGACTCCCTTC 618
Spleen CTGCATGTGGATGTCAATCCAGGAAGGCAAGTGGAGAGTCCCATCCTGGGGACTCCCTTC 623
Liver CTGCATGTGGATGTCAATCCAGGAAGGCAAGTGGAGAGTCCCATCCTGGGGACTCCCTTC 619
Lung CT**G**C**T**G**T**G**G**A**T**G**T**C**A**A**T**C**C**A**G**G**A**A**G**G**C**A**A**G**T**G**G**A**G**A**G**T**C**C**C**A**T**C**C**T**G**G**G**G**A**C**T**C**C**T**T**C 656
Heart CTGCATGTGGATGTCAATCCAGGAAGGCAAGTGGAGAGTCCCATCCTGGGGACTCCCTTC 619
Brain CTGCATGTGGATGTCAATCCAGGAAGGCAAGTGGAGAGTCCCATCCTGGGGACTCCCTTC 619

Testis GGTTTCTTAGCAAGGTCCAAGGGAGGGAAC**T**ACCAAAGGTGGGCT**T**AGGAGAGGAGCCCA 678
Ovary GGTTTCTTAGCAAGGTCCAAGGGAGGGAAC**T**ACCAAAGGTGGGCT**T**AGGAGAGGAGCCCA 678
Spleen GGTTTCTTAGCAAGGTCCAAGGGAGGGAAC**T**ACCAAAGGTGGGCT**T**AGGAGAGGAGCCCA 683
Liver GGTTTCTTAGCAAGGTCCAAGGGAGGGAAC**T**ACCAAAGGTGGGCT**T**AGGAGAGGAGCCCA 679
Lung **A**GT**T**T**C**T**T**A**G**C**A**A**G**G**T**C**C**A**A**G**G**A**G**G**A**G**C**T**A**C**C**A**A**A**G**G**T**G**G**G**C**T**C**A**G**G**A**G**A**G**G**A**C**C**C**A 716
Heart GGTTTCTTAGCAAGGTCCAAGGGAGGGAAC**T**ACCAAAGGTGGGCT**C**AG**G**A**T**AGGAGCCCA 679
Brain GGTTTCTTAGCAAGGTCCAAGGGAGGGAAC**T**ACCAAAGGTGGGCT**T**AGGAGAGGAGCCCA 679

Testis CCTGGCCACAGTGGGTCTTCCCTCCCATGTTTCAGTACCAGAAACGTAAGGCAAGCGCGA 738
Ovary CCTGGCCACAGTGGGTCTTCCCTCCCATGTTTCAGTACCAGAAACGTAAGGCAAGCGCGA 738
Spleen CCTGGCCACAGTGGGTCTTCCCTCCCATGTTTCAGTACCAGAAACGTAAGGCAAGCGCGA 743
Liver CCTGGCCACAGTGGGTCTTCCCTCCCATGTTTCAGTACCAGAAACGTAAGGCAAGCGCGA 739
Lung CCTGGCC**C**AG**T**G**G**T**C**T**T**C**C**C**T**C**C**C**A**T**G**T**T**C**A**G**T**A**C**C**A**G**A**A**C**G**T**A**A**G**G**C**A**A**G**C**G**C**G**A 776
Heart CCTGGCCACAGTGGG**C**CTTCCCTCCCATGTTTCAGTACCAGAAACGTAAGGCAAGCGCGA 739
Brain CCTGGCCACAGTGGGTCTTCCCTCCCATGTTTCAGTACCAGAAACGTAAGGCAAGCGCGA 739

Testis TGAAAAAGAGAGTGAGCCAGGCATTCAAGCA**A**AGAAAGATTTATTATAGGAAGAAAGAAA 798
Ovary TGAAAAAGAGAGTGAGCCAGGCATTCAAGCAGAGAAAGATTTATTATAGGAAGAAAGAAA 798
Spleen TGAAAAAGAGAGTGAGCCAGGCATTCAAGCAGAGAAAGATTTATTATAGGAAGAAAGAAA 803
Liver TGAAAAAGAGAGTGAGCCAGGCATTCAAGCAGAGAAAGATTTATTATAGGAAGAAAGAAA 799
Lung TGAAAAAGAGAGTGAGCCAGGCATTCAAGCAGAGAAAGATTTATTATAGGAAGAAAGAAA 836

Heart TGAAAAAGAGAGTGAGCCAGGCATTCAAGCAGAGAAAGATTTATTATAGGAAGAAAGAAA 799
Brain TGAAAAAGAGAGTGAGCCAGGCATTCAAGCAGAGAAAGATTTATTATAGGAAGAAAGAAA 799

Testis GAAA----TTGACTATAGAGAGAAACCAGTGCCTATTTTTTACAGCCAACCCTTCTTATA 854
Ovary GAAA----TTGGCTATAGAGAGAAACCAGTGCCTATTTTTTACAGCCAACCCTTCTTATA 854
Spleen GAAA----TTGGCTATAGAGAGAAACCAGTGCCTATTTTTTACAGCCAACCCTTCTTATA 859
Liver GAAA----TTGGCTATAGAGAGAAACCAGTGCCTATTTTTTACAGCCAACCCTTCTTATA 855
Lung GAAA**GTGACT**GGCTAT**TGAGAGAAACCAGTGCCTCTCTTTTTTACAGCCAACCCTTCTTATA** 896
Heart GAAA----TTGGCTATAGAGAGAAACCAGTGCCTATTTTTTACAGCCAACCCTTCTTATA 855
Brain GAAA----TTGGCTATAGAGAGAAACCAGTGCCTATTTTTTACAGCCAACCCTTCTTATA 855
*** ** *****

Testis CCCTATCGATGGGAAATTGTGCCCTGGAGGAAGGGGGCTTCAGTTTATCTTTAGCCC**ACA** 914
Ovary CCCTATCGATGGGAAATTGTGCCCTGGAGGAAGGGGGCTTCAGTTTATCTTTAGCCC**ACA** 914
Spleen CCCTATCGATGGGAAATTGTGCCCTGGAGGAAGGGGGCTTCAGTTTATCTTTAGCCC**ACA** 919
Liver CCCTATCGATGGGAAATTGTGCCCTGGAGGAAGGGGGCTTCAGTTTATCTTTAGCCC**ACA** 915
Lung CCCTATCGATGGGAAATTGTGCCCTGGAGGAAGGGGGCTTCAGTTTATCTTTAGCCC**TGCA** 956
Heart CCCTATCGATGGGAAATTGTGCCCTGGAGGAAGGGGGCTTCAGTTTATCTTTAGCCC**TCA** 915
Brain CCCTATCGATGGGAAATTGTGCCCTGGAGGAAGGGGGCTTCAGTTTATCTTTAGCCC**ACA** 915
***** **

Testis GCTGGGGTCTTATGGTCACTTAGTCTGAAGGGGTCTCACAGTCGGGTGGTCACATAGTCTT 974
Ovary GCTGGGGTCTTATGGTCACTTAGTCTGAAGGGGTCTCACAGTCGGGTGGTCACATAGTCTT 974
Spleen GCTGGGGTCTTATGGTCACTTAGTCTGAAGGGGTCTCACAGTCGGGTGGTCACATAGTCTT 979
Liver GCTGGGGTCTTATGGTCACTTAGTCTGAAGGGGTCTCACAGTCGGGTGGTCACATAGTCTT 975
Lung GCTGGGGTCTTATGGTCACTTAGT**CA**AAGGG**GC**CTCACAGTCGGGTGGTCAC**G**TAGTCTT 1016
Heart GCTGGGGTCTTATGGTCACTTAGT**TGA**AGGGGTCTCACAGTCGGGTGGTCACATAGTCTT 975
Brain GCTGGGGTCTTATGGTCACTTAGTCTGAAGGGGTCTCACAGTCGGGTGGTCACATAGTCTT 975
***** *****

Testis GAGAACTGGCACCAGCAGG-AAAAACAGGATATCGCCTTAAGGAAGGTACAGTCTGCC 1033
Ovary GAGAACTGGCACCAGCAGG-AAAAACAGGATATCGCCTTAAGGAAGGTACAGTCTGCC 1033
Spleen GAGAACTGGCACCAGCAGG-AAAAACAGGATATCGCCTTAAGGAAGGTACAGTCTGCC 1038
Liver GAGAA**G**CTGGCACCAGCAGG-AAAAACAGGATATCGCCTTAAGGAAGGTACAGTCTGCC 1034
Lung GAGAACTGGCACCAGCAGG**G**AAAAACAGGATATCGCCTTAAG**G**TAGGTACAGTCTGCC 1076
Heart GAGAACT**G**ACACCAGCAGG-AAAAACAGGATAT**AC**CTTAAGGAAGGTACAGTCTGCC 1034
Brain GAGAACTGGCACCAGCAGG-AAAAACAGGATATCGCCTTAAGGAAGGTACAGTCTGCC 1034
***** ** *****

Testis ACCAGGGCAATGTGGCCACTGTGACTTCATCCCTTGTTTGTTCAGGT-ACCACAATGGG**TC** 1092
Ovary ACCAGGGCAATGTGGCCACTGTGACTTCATCCCTTGTTTGTTCAGGT-ACCACAATGGG**TC** 1092
Spleen ACCAGGGCAATGTGGCCACTGTGACTTCATCCCTTGTTTGTTCAGGT-ACCACAATGGG**TC** 1097
Liver ACCAGGGCAATGTGGCCACTGTGACTTCATCCCTTGTTTGTTCAGGT-ACCACAATGGG**TC** 1093
Lung **AT**CAGGGCAATGTGGCCACTGTGACTTCATCCCTTGTTTGTTCAGGT**CA**CCACA**G**TGG**CC** 1136
Heart ACCAGGGCAATGTGGCCACTGTGACTTCATCCCTTGTTTGTTCAGGT-ACCACAATGGG**CC** 1093
Brain ACCAGGGCAATGTGGCCACTGTGACTTCATCCCTTGTTTGTTCAGGT-ACCACAATGGG**TC** 1093
* *****

Testis ATATTTTAACAATACGCTATGAGCCCCTTGAGAACTGTAGCATGTGCAATGTTTTTCTAA 1152
Ovary ATATTTTAACAATACGCTATGAGCCCCTTGAGAACTGTAGCATGTGCAATGTTTTTCTAA 1152
Spleen ATATTTTAACAATACGCTATGAGCCCCTTGAGAACTGTAGCATGTGCAATGTTTTTCTAA 1157
Liver ATATTTTAACAATACGCTATGAGCCCCTTGAGAACTGTAGCATGTGCAATGTTTTTCTAA 1153
Lung ATATTTTAACAATACGCTATGAGCCCCTTGAGAACTGT**G**GCATGTGCAATGTTTTTCTAA 1196
Heart ATATTTTAACAATAC**A**CTATGAGCCCCTTGAGAACTGTAGCATGTGCAATGTTTTTCTAA 1153
Brain ATATTTTAACAATACGCTATGAGCCCCTTGAGAACTGTAGCATGTGCAATGTTTTTCTAA 1153

Testis GTTGGATCCCAT**CA**CAG**G**GACCTATACATACATGTTTACACTTATTATGGGGGGG-CCTC 1211
Ovary GTTGGATCCCAT**CA**CAG**G**GACCTATACATACATGTTTACACTTATTATGGGGGGG-CCTC 1211
Spleen GTTGGATCCCAT**CA**CAG**A**GACCTATACATACATGTTTACACTTATTATGGGGGGG-CCTC 1216
Liver GTTGGATCCCAT**CA**CAG**A**GACCTATACATACATGTTTACACTTATTATGGGGGGG-CCTC 1212
Lung GTTGGATCCCAT**TG**CAG**A**GGCCTAT**AG**GACATGTTTACACTTATTATGGGGGGG-CCTC 1255

Heart GTTGGATCCCATCGCAGAGGACTATACATACATGTTTCACACTTATTATGGGGGGG-CCTC 1212
Brain GTTGGATCCCATCACAGAGACCTATACATACATGTTTCACACTTATTATGGGGGGGCGCCTC 1213
***** ** * ***** *****

Testis CCTTTTTGACCTCCAAGAAGCCTTCTGCACATGTGCACACAGGGAAGTCTTCCTTAACC 1271
Ovary CCTTTTTGACCTCCAAGAAGCCTTCTGCACATGTGCACACAGGGAAGTCTTCCTTAACC 1271
Spleen CCTTTTTGACCTCCAAGAAGCCTTCTGCACATGTGCACACAGGGAAGTCTTCCTTAACC 1276
Liver CCTTTTTGACCTCCAAGAAGCCTTCTGCACATGTGCACACAGGGAAGTCTTCCTTAACC 1272
Lung CCTTTTTGACCTCCAAGAAGCCTTCTGACATGTGCACACAGGGAAGTCTTCCTTAACC 1315
Heart CCTTTTTGACCTCCAAGAAGCCTTCTGCACATGTGCACACAGGGAAGTCTTCCTTAACC 1272
Brain CCTTTTTGACCTCCAAGAAGCCTTCTGCACATGTGCACATAGGGAAGTCTTCCTTAACC 1273
***** *****

Testis TCAGGAGTGGGCACCTTATCTCTGCTTCAGCAGAGCTCAACTTTTGCCACTAACTTTGTGTC 1331
Ovary TCAGGAGTGGGCACCTTATCTCTGCTTCAGCAGAGCTCAACTTTTGCCACTAACTTTGTGTC 1331
Spleen TCAGGAGTGGGCACCTTATCTCTGCTTCAGCAGAGCTCAACTTTTGCCACTAACTTTGTGTC 1336
Liver TCAGGAGTGGGCACCTTATCTCTGCTTCAGCAGAGCTCAACTTTTGCCACTAACTTTGTGTC 1332
Lung TCAGGAGTGGGCACCTTATCTCTGCTTCAGCAGAGCTCAACTTTTGCCACTAACTTTGTGTC 1375
Heart CAGGAGTGGGCACCTTATCTCTGCTTCAGCAGAGCTCAACTTTTGCCACTAACTTTGTGTC 1332
Brain TCAGGAGTGGGCACCTTATCTCTGCTTCAGCAGAGCTCAACTTTTGCCACTAACTTTGTGTC 1333

Testis CTTGGAATGAGAACAAGCTTGAATTTTATTCACCTGACAAATGCCACGTGTCCAGCCC 1391
Ovary CTTGGAATGAGAACAAGCTTGAATTTTATTCACCTGACAAATGCCACGTGTCCAGCCC 1391
Spleen CTTGGAATGAGAACAAGCTTGAATTTTATTCACCTGACAAATGCCACGTGTCCAGCCC 1396
Liver CTTGGAATGAGAACAAGCTTGAATTTTATTCACCTGACAAATGCCACGTGTCCAGCCC 1392
Lung CTTGAGTGAGAACAAGCTTGAATTTTATTCACCTGACAAATACCAGGTGTCCAGCCC 1435
Heart CTTGGAATGAGAACAAGCTTGAATTTTATTCACCTGACAAATGCCACGTGTCCAGCCC 1392
Brain CTTGGAATGAGAACAAGCTTGAATTTTATTCACCTGACAAATGCCACGTGTCCAGCCC 1393
*** ** *****

Testis AGAGGCCACTGTTGCCTAC-TACCAGAACCAGGTCGGTACCCTTCTGGGGACCCAC 1450
Ovary AGAGGCCACTGTTGCCTAC-TACCAGAACCAGGTCGGTACCCTTCTGGGGACCCAC 1450
Spleen AGAGGCCACTGTTGCCTAC-TACCAGAACCAGGTCGGTACCCTTCTGGGGACCCAC 1455
Liver AGAGGCCACTGTTGCCTAC-TACCAGAACCAGGTCGGTACCCTTCTGGGGACCCAC 1451
Lung AGAGGCCACTGTTGCCTACCTCACTAGAAATCCGGTTCGGTACCCTTCTGGGGACCCAC 1495
Heart AGAGGCCACTGTTGCCTAC-TACCAGAACCAGGTCGGTACCCTTCTGGGGACCCAC 1451
Brain AGAGGCCACTGTTGCCTAC-TACCAGAACCAGGTCGGTACCCTTCTGGGGACCCAC 1452

Testis CCCTAACAGAAGCACAGGACCTGGAAAGGCAGGAGGGGCTGCAGCTTCAGGCTGACCTC 1510
Ovary CCCTAACAGAAGCACAGGACCTGGAAAGGCAGGAGGGGCTGCAGCTTCAGGCTGACCTC 1510
Spleen CCCTAACAGAAGCACAGGACCTGGAAAGGCAGGAGGGGCTGCAGCTTCAGGCTGACCTC 1515
Liver CCCTAACAGAAGCACAGGACCTGGAAAGGCAGGAGGGGCTGCAGCTTCAGGCTGACCTC 1511
Lung CCCTAACAGAAGCACAGGACCTGGAAAGGCAGGAGAGAGGCTGCAGCTTCAGGCTGACCTC 1555
Heart CCCTAACAGAAGCACAGGACCTGGAAAGGCAGGAGGGGCTGCAGCTTCAGGCTGACCTC 1511
Brain CCCTAACAGAAGCACAGGACCTGGAAAGGCAGGAGGGGCTGCAGCTTCAGGCTGACCTC 1512

Testis CCATCCCTGTGGCCTTAGGTGAAGCTGAGGCTCCTGCCACTGCCTTGTCTGTGGAGCAGC 1570
Ovary CCATCCCTGTGGCCTTAGGTGAAGCTGAGGCTCCTGCCACTGCCTTGTCTGTGGAGCAGC 1570
Spleen CCATCCCTGTGGCCTTAGGTGAAGCTGAGGCTCCTGCCACTGCCTTGTCTGTGGAGCAGC 1575
Liver CCATCCCTGTGGCCTTAGGTGAAGCTGAGGCTCCTGCCACTGCCTTGTCTGTGGAGCAGC 1571
Lung CCATCCCTGTGGCCTTAGGTGAAGCTGAGGCTCTGCCACTGCCTTGTCTGTGGAGCAGC 1615
Heart CCATCCCTGTGGCCTTAGGTGAAGCTGAGGCTCCTGCCACTGCCTTGTCTGTGGAGCACA 1571
Brain CCATCCCTGTGGCCTTAGGTGAAGCTGAGGCTCCTGCCACTGCCTTGTCTGTGGAGCAGC 1572

Testis GCTGCACAATGCCTTTTCTCTCTCCTGGAACGGTCATCGTTCTGCAGAGCTGGGTCCCC 1630
Ovary GCTGCACAATGCCTTTTCTCTCTCCTGGAACGGTCATCGTTCTGCAGAGCTGGGTCCCC 1630
Spleen GCTGCACAATGCCTTTTCTCTCTCCTGGAACGGTCATCGTTCTGCAGAGCTGGGTCCCC 1635
Liver GCTGCACAATGCCTTTTCTCTCTCCTGGAACGGTCATCGTTCTGCAGAGCTGGGTCCCC 1631
Lung GCTGTATGACGCCTTTTCTCTCTCCTGGAATGGTCATCGTTCTGCCAGCTGGGTCCCC 1675

Heart GCTGCACAATGCCTTTTCTCTCTCCTGGAAC TGGTCATCGTTCTGCAGAGCTGGGTCCCC 1631
Brain GCTGCACAATGCCTTTTCTCTCTCCTGGAAC TGGTCATCGTTCTGCAGAGCTGGGTCCCC 1632
**** * * *****

Testis TCAGCCAAGGAGGAGGGAAC TGTCTTGGTGGAGGAAGAAGATGAGTCTTTCTCATCCT 1690
Ovary TCAGCCAAGGAGGAGGGAAC TGTCTTGGTGGAGGAAGAAGATGAGTCTTTCTCATCCT 1690
Spleen TCAGCCAAGGAGGAGGGAAC TGTCTTGGTGGAGGAAGAAGATGAGTCTTTCTCATCCT 1695
Liver TCAGCCAAGGAGGAGGGAAC TGTCTTGGTGGAGGAAGAAGATGAGTCTTTCTCATCCT 1691
Lung TCAGCCAAGGAGGAGGGAAC C TGTCTTGGTGAAGGAAGAAGATGAGTCTTTCTCATCCT 1735
Heart TCAGCCAAGGAGGAGGGAAC TGTCTTGGTGGAGGAAGAAGATGAGTCTTTCTCATCCT 1691
Brain TCAGTCAAGGAGGAGGGAAC TGTCTTGGTGGAGGAAGAAGATGAGTCTTTCTCATCCT 1692
** * *****

Testis TCCCTCAATCTTCTGAGCCAGGTGCTTGGGGCTTTGCCTGTTTCTTTCTTTCAGATGTGCG 1750
Ovary TCCCTCAATCTTCTGAGCCAGGTGCTTGGGGCTTTGCCTGTTTCTTTCTTTCAGATGTGCG 1750
Spleen TCCCTCAATCTTCTGAGCCAGGTGCTTGGGGCTTTGCCTGTTTCTTTCTTTCAGATGTGCG 1755
Liver TCCCTCAATCTTCTGAGCCAGGTGCTTGGGGCTTTGCCTGTTTCTTTCTTTCAGATGTGCG 1751
Lung TCCCTCAATCTTCTGAGCCAGGTGCTTGGGGCTTTGCCTGTTTCTTTCTTTCAGATGTGCG 1795
Heart TCCCTC A TCTTCTGAGCCAGGTGCTTGGGGCTTTGCCTGTTTCTTTCTTTCAGATGTGCG 1751
Brain TCCCTCAATCTTCTGAGCCAGGTGCTTGGGGCTTTGCCTGTTTCTTTCTTTCAGATGTGCG 1752

Testis TGTGTCTGTCTGTCTGT 1767
Ovary TGTGTCTGTCTGTCTGT 1767
Spleen TGTGTCTGTCTGTCTGT 1772
Liver TGTGTCTGTCTGTCTGT 1768
Lung TGTGTCTGTCTGTCTGT 1812
Heart TGTGTCTGTCTGTCTGT 1768
Brain TGTGTCTGTCTGTCTGT 1769
