**Figure S2. Alignment of nucleotide sequences corresponding to *dgat2a* and *dgat2b*.**

 1 50

dgat2a\_ XM\_014197366 (1) TCAAAACACGATCGACGCCGACATCACGTCACTGCAGTACCTGATAAATA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1) --------------------------------------------------

 dgat2b\_EG878494rc (1) --------------------------------------------------

 51 100

dgat2a\_ XM\_014197366 (51) CGTGGTTGAGAGTACTTTCAGACCACCGCAGGCTGACTTGAGAAAAATTA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1) --------------------------------------------------

 dgat2b\_EG878494rc (1) --------------------------------------------------

 101 150

dgat2a\_ XM\_014197366 (101) TGTTTTCGAGTAGCGCAATTTGCATCCTCTTCAGTTCTTCTACAGGAGCG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1) --------------------------------------------------

 dgat2b\_EG878494rc (1) --------------------------------------------------

 151 200

dgat2a\_ XM\_014197366 (151) CATCGGTTTGGACCCAGTACACCTCCCACCCTCCCTCACGTACTGACTTT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1) ------------------------------CCCCCTCCCATACTGACTGT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 201 250

dgat2a\_ XM\_014197366 (201) GAACTGGCTCCTCCTATACGGGTTAAATGC-CGTTCAGTTATTCAATTTA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (21) GA-CTGGCTCCTCCCATACCGGTTAAATGCGCGCTCGGTGCTTCAATTCA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 251 300

dgat2a\_ XM\_014197366 (250) AT----------GCAGTCATGATAGAGGAACTCTAGAGTTTATTAACTTT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (70) GTACAGTGGAAGGCAGTCATGATAGAGGAGCTGTAGAGTTTACAAACTTT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 301 350

dgat2a\_ XM\_014197366 (290) ATTGTAGTAAATATTTCCAAGTATTGTAACCTGTTAATTCGCGGAGCCAC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (120) AAAGCAGCAAGTATTTCCAAGTCTTGTAATCTGTTTATTCCCGGGGCCAC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 351 400

dgat2a\_ XM\_014197366 (340) AGTTATGAAGACAATACTTGCTGCCTACCCCGGTGTCCTAAAAGGCACCG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (170) AGTTATGAAGACCATACTTGCTGCCTACTCCGGTGCCCTAAAAGGCACAG

 dgat2b\_EG878494rc (1) --------------------------------------------------

 401 450

dgat2a\_ XM\_014197366 (390) GCTGCAGCATCCTCTCCGCCCTGCAGGACCTACCCTCTGCTCCTTGGCCT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (220) GCTATAGCATCCTCTCGTCCCTGCAGGACCTGCCCTCCCCTCCATGGCCT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 451 500

dgat2a\_ XM\_014197366 (440) GCACTCCGATCCAAGATGGAGAAACACCTTCAGGTCATCTCAGTTCTGCA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (270) GCCCTTCGATCCAAGATGGAGAAACACCTTCAGGTCATCGCAGTTCTTCA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 501 550

dgat2a\_ XM\_014197366 (490) GTGGGTCATCAGCTTCCTCGCCATGGGTGCCGCTGGCACTGTGCTCTTAA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (320) GTGGGTCATCTCCTTCCTTGCCATGGGCATCAGCTGCACTGTGCTGTTAA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 551 600

dgat2a\_ XM\_014197366 (540) TCTACATGTTCTGCACAGACCTCTGGGTGATCGCTGCCATGTACACTGCC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (370) TCTACATGTTCTGCACAGACCTCTGGGTGATCGCTGCCATGTACACTACC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 601 650

dgat2a\_ XM\_014197366 (590) TGGCTCATCTTCGACTGGAACACCCCCAAACAAGGTGGCAGGAGGTCCTC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (420) TGGCTAATCTTCGACTGGAACACCCCCAAACAAGGTGGCAGGAGGTCCTC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 651 700

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dgat2a\_ XM\_014197366 (640) TTGGGTGAGGAACTGGACCATGTGGACTTACTTCAGAGACTACTTCCCCA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (470) TTGGGTGAGGAACTGGACTGTGTGGACTTACTTCAGAGATTACTTTCCCA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 701 750

dgat2a\_ XM\_014197366 (690) TCAGGCTCATCAAGACACACAACCTGCTGCCCAGCCGAAACTACATCTTT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (520) TCAGGCTCATCAAGACACACAACCTGCTGCCCAGCCGAAACTACATCTTT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 751 800

dgat2a\_ XM\_014197366 (740) GGCTACCACCCCCATGGGATCTTCTCTTTTGGAGCCTTCTGTAACTTCGG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (570) GGGTACCACCCCCATGGGATCTTCTCTTTCGGAGCCTTCTGTAACTTCGG

 dgat2b\_EG878494rc (1) --------------------------------------------------

 801 850

dgat2a\_ XM\_014197366 (790) AACAGAGGCCACCGGCTTCTCTAAGAAGTTCCCGGGCATCAAGCCTTCCC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (620) TACTGAGGCCACTGGATTCTCCAAGAAGTTCCCGGGCATCAAGCCTTCTC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 851 900

dgat2a\_ XM\_014197366 (840) TGGCCACCCTGGCTGGAAACTTCCGGATGCCAGTCTTTAGAGACTATCTC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (670) TTGCCACCCTGGCTGGAAACTTCCGGATGCCAGTCCTTAGAGACTATCTC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 901 950

dgat2a\_ XM\_014197366 (890) ATGTCTGGAGGTATCTGCCCAGTGAACCGTAACTCCATTGACTACCTCCT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (720) ATGTCTGGGGGTATCTGCCCAGTGAACCGTAACTCCATCGACTACCTCCT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 951 1000

dgat2a\_ XM\_014197366 (940) CTCTCAGAATGGAACTGGCAATGCAGTGGTCATTGTTGTCGGGGGAGCAG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (770) CTCTCAGAATGGAACTGGCAACGCAGTGGTCATCGTTGTCGGGGGAGCAG

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1001 1050

dgat2a\_ XM\_014197366 (990) CTGAATCTTTGAACTGTGCGCCAGGAAAGAATTCTGTCACCCTGAATAAC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (820) CAGAATCTCTGGACTGTGCTCCAGGCATGAATTCTGTCACCCTGAATAAC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1051 1100

dgat2a\_ XM\_014197366 (1040) CGCAAGGGCTTTGTGAGGTTGGCCCTCCAGCAAGGGTCTGACCTGGTACC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (870) CGCAAGGGCTTTGTGAGGCTGGCCCTCCAGCAAGGATCTGACCTGGTGCC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1101 1150

dgat2a\_ XM\_014197366 (1090) AGTCTACTCCTTTGGGGAGAACGATGTGTACAAACAGGTGATCTTCGAGG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (920) GGTCTACTCCTTTGGGGAGAACAATGTGTACAAGCAGGTGATCTTTGAGG

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1151 1200

dgat2a\_ XM\_014197366 (1140) AGAGAACCTGGTGGCGGCTGGCTCAAAAGCGATTGCAGAAGATTATTGGT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (970) AGGGAACCTGGTGTCGGCTAGCTCAGAAGCGGCTGCAGAAGATTCTGGGC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1201 1250

dgat2a\_ XM\_014197366 (1190) TTTGCTCCCTGTCTGTTCCATGGCTGTGGCTTCTTCTCCTCCGACTCCTG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1020) TTTGCTCCCTGTCTGTTCCATGGCTGTGGCCTCTTCTC---CGACTCCTG

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1251 1300

dgat2a\_ XM\_014197366 (1240) GGGAATGGTGCCTTACAACAAACCCATCACCACCATCGTGGGTGAACCGA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1067) GGGAATGGTGCCTTACAATAAACCCATCACCACCATCGTGGGTGAACCGA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1301 1350

dgat2a\_ XM\_014197366 (1290) TCACAGTGCCAAAGATTGAGCAGCCTCCTCGGGATATGGTGGATCTGTAC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1117) TCACGGTACCAAAGGTTGAGGAGCCTACTCGGGTTATGGTGGAACTGTAC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1351 1400

dgat2a\_ XM\_014197366 (1340) CATGCCATGTACATCAATTCCCTCACGAGCCTCTTTGACAAGTATAAGAC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1167) CATGCCATGTACATCAAGTCCCTCAGGAGCCTCTTTGACAAGTATAAGAC

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1401 1450

dgat2a\_ XM\_014197366 (1390) CTGCTTCGGCCTGAAGGAGAGTGACATCCTGCACATCCATTGAGAAAGG-

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1217) CCGCTTCGGATTGAAAGAGAGTGACATCCTGCACATCCAATGAGAAAAGA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1451 1500

dgat2a\_ XM\_014197366 (1439) GTCAGC------------------------TGTGGCAGCTGTCTGTTCAG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1267) GTGAGCAGGACCCCCTCGGAACCTCAGAACTGTGGCAGCTGTTTGTTCAG

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1501 1550

dgat2a\_ XM\_014197366 (1465) CCCTGCCCCTCCATTCACGTGCCTGGCTCTGATTGATTGTCTCTGGAATT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1317) CCTCGACACCCCATTCACGTGCATGGCTCTGATTGATTGTCTCTGGAATT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1551 1600

dgat2a\_ XM\_014197366 (1515) CAATCGATATACATAAAGCTGTG----TCTATATAAACCCACCGCGCTCT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1367) CAATCGATATACATAAAGTTGTGGGTGTGTGTATAAACCCACCGCGCTCT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1601 1650

dgat2a\_ XM\_014197366 (1561) CAGCATCA--------------CTCACGTCGGTCCTTCACTCAGGATGAA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1417) CATCCTCGTCCAGTATACAAGGCTCACGTCCCTACACCACTCAGGGTGAA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1651 1700

dgat2a\_ XM\_014197366 (1597) AATGGCAGGTCACCTTACTATTCTCTCTGACCTAGTCACTGTCAATGGCA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1467) AATGGCAGGT----TT--TAGGCTCCCTGACCTAGTCCTTGCCAATAGCA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1701 1750

dgat2a\_ XM\_014197366 (1647) AAGTTGACTAACTTCCGTTTATTGAAT---ATTTCATTGAGTGTATGACA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1511) AAGTTGATTAACTTAAATGTCTCCAAATGGAGTCTCTTCAGCGTATGCCA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1751 1800

dgat2a\_ XM\_014197366 (1694) CATCTATAGATGTGTTCCATGACAGAAAAGATGAGGGAGTATAGTT----

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1561) CATTTCTAGATATGTTCCATGACAGAAGAGATGAGGGAGTATAGTTGGAT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1801 1850

dgat2a\_ XM\_014197366 (1740) AAGGTATGATCCCTTGC----------AGTGGAACTCCCACTAGGTGGCA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1611) AAGATACGATCACTTGCTTTCATGTGCAGTGGAACTCCCACTAGGTGGCA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1851 1900

dgat2a\_ XM\_014197366 (1780) CTAGAAGGTTACACAAGACACACACAAGCACCATCTTTGTTTCCTCCATG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1661) CTAGAAGGTTATACA---CACA-ACAAGCACCATGTTTGTTTCCCTCATG

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1901 1950

dgat2a\_ XM\_014197366 (1830) CATCCATGTAATTTTCACTGAGAATATGCCTGTACAAAGAATGTGTTAAG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1707) CATCCATGTAG---TCCCATATATTAGGCCC-TACAAA---------A-G

 dgat2b\_EG878494rc (1) --------------------------------------------------

 1951 2000

dgat2a\_ XM\_014197366 (1880) TGGTAAAAGGTAAATATAGGATGATGTTTTGAGACCTTACATTTTTTGTT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1743) T---------TCAATATCAGA---TGTTTTGAGGCCTT---TATTTATTT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 2001 2050

dgat2a\_ XM\_014197366 (1930) GTTGCTAAATGCACAAACAATGCAATTGTAAGGGTGTTGCCTCACTGAGA

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1778) TTTGCTAACTGCACAAACAATGCAATTGTAATGGTATGGCCTCAATCAGA

 dgat2b\_EG878494rc (1) --------------------------------------------------

 2051 2100

dgat2a\_ XM\_014197366 (1980) TGTTGA---TGGTGTGGTTTATTGAGCCAAAGAGCTGATTGGTGTCCCCT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1828) AGTTTAATATAGTGTGGTA-ATTGAGCCAAAGAGTTGATGGGTGTCCCCT

 dgat2b\_EG878494rc (1) --------------------------------------------------

 2101 2150

dgat2a\_ XM\_014197366 (2027) CCCCACACATGAACACTTCATTGAAACTTGAAAGTGAAGGAATTCTATTG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1877) CCCAGCACACGCATACTTCATTGAAACTGGAAGGTGAAGTAATTCTA---

 dgat2b\_EG878494rc (1) --------------------------------------------------

 2151 2200

dgat2a\_ XM\_014197366 (2077) AATGGATTTAGATTGTGCATATTGGTAATGCAATCTG-ATTGTGTGATAG

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1924) -ATGGATTTAGATTGTGATTATATG-ATGCCACTAAGTATTGTATTATGT

 dgat2b\_EG878494rc (1) --------------------------------------------TTATGT

 2201 2250

dgat2a\_ XM\_014197366 (2126) CACTAAGTATTAAT-TGTATT---TTGTAAATAAGAACA---------TT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (1972) AAATAAGAAAAAACCTGTCCTCCCTTGTTGAAAGGAACAATTTTTCTTTT

 dgat2b\_EG878494rc (7) AAATAAGAAAAAACCTGTCCTCCCTTGTTGAAAGGAACAATTTTTCTTTT

 2251 2300

dgat2a\_ XM\_014197366 (2163) TTCAATGAAAATTAATATATTGATGCACTTTTTGTATTTGTGACAACCCT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (2022) TTAAATTAAAATTTATATATTGATGCACTTTTTGTATTTGTTACAACCCT

 dgat2b\_EG878494rc (57) TTAAATTAAAATTTATATATTGATGCACTTTTTGTATTTGTTACAACCCT

**C134R089**

 2301 2350

dgat2a\_ XM\_014197366 (2213) CTGAGGTATTTCTCTAAAACATGCCTTTGAAAGAGTCCTATGTCAAATTT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (2072) CTGAGGTATTTCTCTAAAATGTGCCTTAGGAATTTTTCAATGTCACATTT

 dgat2b\_EG878494rc (107) CTGAGGTATTTCTCTAAAATGTGCCTTAGGAATTTTTCAATGTCACATTT

 2351 2400

dgat2a\_ XM\_014197366 (2263) GCCAATTTCTAAGAGAATCACTATGGTGCTTTTGTCATTTAACCTTGACC

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (2122) T-------------------------------------------------

 dgat2b\_EG878494rc (157) T-------------------------------------------------

 2401 2450

dgat2a\_ XM\_014197366 (2313) TGTGTTTTAGTTTTCTTGTACATTTCTCCACATGAGTGTATTGACTGGGT

 dgat2a\_BQ036283rc (1) --------------------------------------------------

 dgat2b\_XM\_014137863 (2123) --------------------------------------TATTGACTGGGC

 dgat2b\_EG878494rc (158) --------------------------------------TATTGACTGGGC

 2451 2500

dgat2a\_ XM\_014197366 (2363) TGCAGAG--TGTTACCTAGTGCATTGAGGCCCCATGTACTGTAGTGATGG

 dgat2a\_BQ036283rc (1) -------------------------------------ACTGTAGTGATGG

 dgat2b\_XM\_014137863 (2135) TGCAGAGAGTGTTGTTTAGTGCCTTGATGCCCCATGTACTGTAGT-----

 dgat2b\_EG878494rc (170) TGCAGAGAGTGTTGTTTAGTGCCTTGATGCCCCATGTACTGTAGT-----

 2501 2550

dgat2a\_ XM\_014197366 (2411) TGATGTAAGAACAATTTCAGGGTGAAGAACATTTCTTCCCCTACACAGAG

 dgat2a\_BQ036283rc (14) TGATGTAAGAACAATTTCAGGGTGAAGAACATTTCTTCCCCTACACAGAG

 dgat2b\_XM\_014137863 (2180) ---TGTT-GACTATTCTCT--------ACTAATTCTTCCCCCACACAGAG

 dgat2b\_EG878494rc (215) ---TGTT-GACTATTCTCT--------ACTAATTCTTCCCCCACACAGAG

 2551 2600

dgat2a\_ XM\_014197366 (2461) GGCAGATTACTGATGAATGAAATTAAGAGATTGCAAAGCATATGCCTTAT

 dgat2a\_BQ036283rc (64) GGCAGATTACTGATGAATGAAATTAAGAGATTGCAAAGCATATGCCTTAT

 dgat2b\_XM\_014137863 (2218) GGCAGATCAGTGATGAA--------AGGGATTGTAAAGCATATGCCTTGT

 dgat2b\_EG878494rc (253) GGCAGATCAGTGATGAA--------AGGGATTGTAAAGCATATGCCTTGT

 2601 2650

dgat2a\_ XM\_014197366 (2511) TTTAAAAACTACAACTCAAACCTCTTAGGGGCTTCCACTCAATTGAGTAA

 dgat2a\_BQ036283rc (114) TTTAAAAACTACAACTC**AAACCTCTTAGGGGCTTCCA**CTCAATTGAGTAA

 dgat2b\_XM\_014137863 (2260) ----AAAAATAAAACGCA--CTTATTGTGGGGTTCTACTCAATTGAGGAA

 dgat2b\_EG878494rc (295) ----AAAAATAAAA**CGCA--CTTATTGTGGGGTTCT**ACTCAATTGAGGAA

 2651 2700

dgat2a\_ XM\_014197366 (2561) AATGGCAAA-------------GGGGTTGCTATCACAGATTTGAAATAGA

 dgat2a\_BQ036283rc (164) AATGGCAAA-------------GGGGTTGCTATCACAGATTTGAAATAGA

 dgat2b\_XM\_014137863 (2304) AATGGCAAATGTACAGTATAAGGGTTTTTCTATCACACATTTGGATTAGA

 dgat2b\_EG878494rc (339) AATGGCAAATGTACAGTATAAGGGTTTTTCTATCACACATTTGGATTAGA

 2701 2750

dgat2a\_ XM\_014197366 (2598) GTATAAAAGTCACAAACTCCCCTAGTAATTACCAAGAAGTGTTTGAGAGA

 dgat2a\_BQ036283rc (201) GTATAAAAGTCACAAACTCCCCTAGTAATTACCAAGAAGTGTTTGAGAGA

 dgat2b\_XM\_014137863 (2354) GT-TAAAAGTC--AAACTCCCCTGGTAATTACCAAGAAGTGTTTGAGATA

 dgat2b\_EG878494rc (389) GT-TAAAAGTC--AAACTCCCCTGGTAATTACCAAGAAGTGTTTGAGATA

 2751 2800

dgat2a\_ XM\_014197366 (2648) AATCATTTTTTCATATTGGGCATATCAAGTCCATTATCCAGCCAATGATC

 dgat2a\_BQ036283rc (251) AATCATTTTTTCATATTGGGCATATCAAGTCCATT**ATCCAGCCAATGATC**

 dgat2b\_XM\_014137863 (2401) AAT-------T---ACTGGGCGTATCAAGTC---TATCAAT--TATTTTT

 dgat2b\_EG878494rc (436) AAT-------T---ACTGGGCGTATCAAGTC---TATCAAT--TATTT**TT**

 2801 2850

dgat2a\_ XM\_014197366 (2698) CTAGGTGCAGAAATGTATGTATGTTGTATATTA-TGCAAGATAAAAG-GA

 dgat2a\_BQ036283rc (301) **CTAGGT**GCAGAAATGTATGTATGTTGTATATTA-TGCAAGATAAAAG-GA

 dgat2b\_XM\_014137863 (2436) CCATGTGGTGAAATGT-TG-AGGTTGGTGATGAGTGCTAAATAGAAGTGT

 dgat2b\_EG878494rc (471) **CCATGTGGTGAAATGT-TG-A**GGTTGGTGATGAGTGCTAAATAGAAGTGT

 2851 2900

dgat2a\_ XM\_014197366 (2746) C-TACGAGATTTCACCTCATG--GCAAAATAATTGAGATT--------GG

 dgat2a\_BQ036283rc (349) C-TACGAGATTTCACCTCATG--GCAAAATAATTGAGATT--------GG

 dgat2b\_XM\_014137863 (2484) CATTTGAAATGTAAATTCTTCTAGCTTCAACATTGACTTCTTGTAAAGGG

 dgat2b\_EG878494rc (519) CATTTGAAATGTAAATTCTTCTAGCTTCAACATTGACTTCTTGTAAAGGG

 2901 2950

dgat2a\_ XM\_014197366 (2785) TGAGAAATAGTGTGTCATTCAAAATGTAATTTCTTCTAGCTTCATCGGTG

 dgat2a\_BQ036283rc (388) TGAGAAATAGTGTGTCATTCAAAATGTAATTTCTTCTAGCTTCATCGGTG

 dgat2b\_XM\_014137863 (2534) GCAGTAAACATCTCACTCTCTTAATTAATGTGCAGTTAACAGCAGCCAAG

 dgat2b\_EG878494rc (569) GCAGTAAACATCTCACTCTCTTAATTAATGTGCAGTTAACAGCAGCCAAG

 2951 3000

dgat2a\_ XM\_014197366 (2835) ACTTTT--TGCAAA-GAGCAG--TGAACATCCCGCTCTCCTAATTCATGT

 dgat2a\_BQ036283rc (438) ACTTTT--TGCAAA-GAGCAG--TGAACATCCCGCTCTCCTAATTCATGT

 dgat2b\_XM\_014137863 (2584) GCCTTTGTTGTGAATGAATAGCTTGAGCAAAAT-CTGTC-TACTTAAATT

 dgat2b\_EG878494rc (619) GCCTTTGTTGTGAATGAATAGCTTGAGCAAAAT-CTGTC-TACTTAAATT

 3001 3045

dgat2a\_ XM\_014197366 (2880) ACAATAAATACAGCAATA-AATAGCAGCCAA--TGCATTTTTA--

 dgat2a\_BQ036283rc (483) ---------------------------------------------

 dgat2b\_XM\_014137863 (2632) AAACTTTTTATGTTTTTAGAATAAAACTTAACATGTCTTAGTAAA

 dgat2b\_EG878494rc (667) AAACTTTTTATGTTTTTAGAATAAAACTT----------------