Supplemental data for

Basiladze, G., Tabatadze, L., Gabashvili, E., Osepashvili, M., Murskhvaladze, M., Kotetishvili, M. (2024). Genetic diversity and intraspecific mitochondrial DNA variations in the Georgian Mountain breed of *Bos taurus* reveal admixture, introgression and potential parallel vs. convergent evolution patterns. *Genetic Resources*, 5 (10), 25–36. doi: 10.46265/genresj.HYNZ9140

Supplemental Table 1. The genetically closest cattle individuals of the Georgian Mountain breed included in the evolutionary analyses using the MEGA11, DnaSP, and SplitsTree software packages.

Sample name (Isolate)	Species	Breed	Haplotype	Country	GenBank ID (Accession #)	Reference
0010	*B. taurus*	N/A	Q1	Georgia	LC580279.1	Unpublished
Pri19	*B. taurus*	Italian Red Pied	Q1	Italy	FJ971082.1	Unpublished
Chi466	*B. taurus*	Chianina	Q1	Italy	HQ184039.1	Bonfiglio et al, 2010.
t113	*B. taurus*	Tibetan	Q1	China	MT576812.1	Xia et al, 2021.
CGSR_12	*B. taurus*	Greece Shorthorn Rodopi	Q	Greece	MZ901652.1	Cubric-Curik et al, 2021.
30_EG4	*B. taurus*	Domiaty	Q1	Egypt	KT184471.1	Olivieri et al, 2015.
CGSP	*B. taurus*	Greece Shorthorn Pindos	Q	Greece	MZ901648.1	Cubric-Curik et al, 2021
CGKO_5	*B. taurus*	Katerini	Q	Greece	MZ901639.1	Cubric-Curik et al, 2021
Chi413	*B. taurus*	Chianina	Q	Italy	FJ971081.1	Achilli et al, 2009.
CCSSP_53	*B. taurus*	Slavonian Syrmian Podolian	T3	Croatia	MZ901630.1	Cubric-Curik et al, 2021
RHV529	*B. taurus*	Red Mountain Cattle	$T3_{119}$	Germany	KJ709685.1	Ludwig et al, 2016.
RKZ7	*B. taurus*	Tibetan	$T3_{119}$	China	MT576798.1	Xia et al, 2021.
N/A	*B. taurus*	Uruguayan native cattle	$T3_{119}$	Uruguay	MN510465.1	Unpublished
CDY197	*B. taurus*	Brahman	$T3_{119}$	China	MN200836.1	Xia et al, 2019.
CAR002	*B. taurus*	N/A	$T3_{119}$	Portugal	MZ087698.1	Ginja et al, 2022.
TMH_45	*B. taurus*	Turano-Mongolian	T3	Mongolia	MZ901756.1	Cubric-Curik et al, 2021
SRB_17	*B. taurus*	Serbian Busa	T3	Serbia	MZ901745.1	Cubric-Curik et al, 2021
KC9	*B. taurus*	Korean cattle	$T3_{119}$	Korea	DQ124379.1	Unpublished
Bos40	*B. taurus*	Iraqi	T3	Iraq	EU177835.1	Achilli et al, 2008.
Bos47	*B. taurus*	Chianina	T3	Italy	EU177820.1	Achilli et al, 2008.
Bos20	*B. taurus*	Podolica	T3	Italy	EU177830.1	Achilli et al, 2008.
CDY469	*B. taurus*	Yunling	T4	China	MN200937.1	Xia et al, 2019.
N/A	*B. taurus*	Sanhe cattle	T4	China	MF925711.1	Unpublished
N/A	*B. taurus*	Sinan cattle	T4	China	MW423198.1	Unpublished
YB2	*B. taurus*	Yanbian	T4	China	MT576840.1	Xia et al, 2021.
Xizan19M	*B. taurus*	Tibetan	T4	China	MT576834.1	Xia et al, 2021.
WMG14	*B. taurus*	Mongolian	T4	Mongolia	MT576822.1	Xia et al, 2021.
Mishima08	*B. taurus*	Mishima	T4	Japan	MT576789.1	Xia et al, 2021.
CDY441	*B. taurus*	Yunling	T1	China	MN200928.1	Xia et al, 2019.
CDY193	*B. taurus*	Brahman	T1	China	MN200833.1	Xia et al, 2019.
18_EG34	*B. taurus*	Menofi	T1	Egypt	KT184468.1	Olivieri et al, 2015.
NKB39Tb1	*B.indicus x Bos taurus*	N/A	T1b1	N/A	OK687552.1	Unpublished
NBM21Tb1	*Bos indicus*	N/A	T1b1	N/A	OK687476.1	Unpublished

15	*B. taurus*	Nguni (African cattle)		N/A	KF163071.1	Horsburgh et al, 2013.
c938	*B. taurus*	German Holstein	T3	Germany	MK028747.1	Unpublished
Bos41	*B. taurus*	Iraqi	T2	Iraq	EU177856.1	Achilli et al, 2008.
25_EG5	*B. taurus*	Domiaty	T1c	Egypt	KT184470.1	Olivieri et al, 2015.
1_EG35	*B. taurus*	Menofi	T3	Egypt	KT184451.1	Olivieri et al, 2015.
CCB_25	*B. taurus*	Croatia Busa	T3	Croatia	MZ90146.1	Cubric-Curik et al, 2021
CAWB_19	*B. taurus*	Waldviertler Blondvieh	T3	Austria	MZ901428.1	Cubric-Curik et al, 2021
SRR934432	*B. taurus*	Hanwoo	T3	Korea	MT576808.1	Xia et al, 2021.
KC1	*B. taurus*	Korean cattle	T3	Korea	DQ124371.1	Unpublished
Bos10	*B. taurus*	Chianina	T2	Italy	EU177853.1	Achilli et al, 2008.
NKB37T1	*B. indicus x B. taurus*	West African cattle	T1	N/A	OK687550.1	Unpublished
Eg36	*B. taurus*	Menofi	T1f	Egypt	JN817329.1	Bonfiglio et al, 2012.
16_EG33	*B. taurus*	Menofi	T1a	Egypt	KT184466.1	Olivieri et al, 2015.
LLHN38	*B. taurus*	Guangxi Cattle	I1a	China	MN714183.1	Xia et al, 2019.
KC14	*B. taurus*	Korean cattle	T3	Korea	DQ124384.1	Unpublished
CDY416	*B. taurus*	Yunling	T3	China	MN200918.1	Xia et al, 2019.
CDY175	*B. taurus*	Brahman	T3	China	MN200830.1	Xia et al, 2019.
MWF_166	*B. taurus*	Murnau-Werdenfelser	T3	Germany	MZ901713.1	Cubric-Curik et al, 2021
GLW_32	*B. taurus*	Galloway	T3	Germany	MZ901679.1	Cubric-Curik et al, 2021
CGSR_1	*B. taurus*	Greece Shorthorn Rodopi	T3	Greece	MZ901651.1	Cubric-Curik et al, 2021
CCB_197	*B. taurus*	Croatia Busa	T3	Croatia	MZ901449.1	Cubric-Curik et al, 2021
CAWB_12	*B. taurus*	Waldviertler Blondvieh	T3	Austria	MZ901427.1	Cubric-Curik et al, 2021
CATZ_4	*B. taurus*	Tux-Zillertaler	T3	Austria	MZ901426.1	Cubric-Curik et al, 2021
CAM_11	*B. taurus*	Murbodner	T3	Austria	MZ901402.1	Cubric-Curik et al, 2021
Bos48	*B. taurus*	Chianina	T3	Italy	EU177828.1	Achilli et al, 2008.
Bos30	*B. taurus*	Friesian	T3	Italy	EU177826.1	Achilli et al, 2008.
CCHF_176	*B. taurus*	Holstein	T3	Croatia	MZ901514.1	Cubric-Curik et al, 2021
BHB_107	*B. taurus*	Bosnian and Herzegovinian Busa	T3	Bosnia and Herzegovina	MZ901391.1	Cubric-Curik et al, 2021
CGP_4	*B. taurus*	Greece Prespa	T3	Greece	MZ901644.1	Cubric-Curik et al, 2021
NBD10Tc	*B. indicus*	West African cattle	T1c	N/A	OK687387.1	Unpublished
BAQ_24	*B. taurus*	Blonde d'Aquitaine	T3	Germany	MZ901382.1	Cubric-Curik et al, 2021
RKZ5	*B. taurus*	Tibetan	T3	China	MT576796.1	Xia et al, 2021.
0025	*B. taurus*	Georgian Mountain	T3	Georgia	LC576822.1	Unpublished
Bos25	*B. taurus*	Maremmana	T3	Italy	EU177824.1	Achilli et al, 2008.
NBD20T2	*B. indicus*	West African cattle	T2	N/A	OK687397.1	Unpublished
CDY444	*B. taurus*	Yunling	T2	China	MN200930.1	Xia et al, 2019.
11_EG41	*B. taurus*	Menofi	T2	Egypt	KT184461.1	Olivieri et al, 2015.
10_EG3	*B. taurus*	Domiaty	T2	Egypt	KT184460.1	Olivieri et al, 2015.
TMP_3	*B. taurus*	Turano-Mongolian	T2	Mongolia	MZ901758.1	Cubric-Curik et al, 2021
RUY_32	*B. taurus*	Yakutian	T2	Russia	MZ901734.1	Cubric-Curik et al, 2021
KEA_5	*B. taurus*	Kea Rind	T2	Greece	MZ901693.1	Cubric-Curik et al, 2021
DGB_9	*B. taurus*	Dukagjini Busa	T2	Kosovo	MZ901672.1	Cubric-Curik et al, 2021
Bos22	*B. taurus*	Rendena	T2	Italy	EU177861.1	Achilli et al, 2008.

Supplemental Figure 1. The ClustalX-generated multiple DNA sequence alignment utilized in the evolutionary analyses of the Georgian Mountain breed (GMB) and its genetically closest cattle individuals, conducted using the MEGA11, DnaSP, and SplitsTree software packages.

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KT184471.1       TATACTGGTCTTGTAAACCAGAGAAGGAGAACAACTAACCTCCCTAAGACTCAAGGAAGA
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MT576798.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
25A               AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MZ901461.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MZ901428.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MT576808.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MZ901756.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MZ901713.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
FJ971081.1        AACACACCCATACACAGACCACAGAATGAATTACCTAGGCAAGGGGTAATGTACATAACA
MT576840.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
33KSh             AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
KF163071.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
3A                AACACGCCCATACACAGACCACAGAATGAATTACCTAGGCAAGGGATAATGTACATAACA
MW423198.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MT576789.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MT576834.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MT576822.1G       AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MN714183.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
16K               AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MN510465.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
MN200928.1        AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
35A               AACACGCCCATACACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGTACATAACA
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MN200930.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901758.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
23A               TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
OK687397.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177824.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
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LC576822.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
FJ971082.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
HQ184039.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
KT184460.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
25KSh           TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
KT184461.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901648.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901652.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177861.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
30KSh           TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
32KSh           TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
OK687552.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
OK687476.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
6K              TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
DQ124379.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901693.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
30A             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901672.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177835.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
5K              TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576796.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
21A             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901734.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MN200918.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901679.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
KT184471.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
LC580279.1G     TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
7K              TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901651.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901449.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901402.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177828.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177826.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
DQ124384.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901514.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901644.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
OK687387.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901391.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901382.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901426.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901427.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MN200830.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576812.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
3K              TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MN200836.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
33A             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ087698.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
42AB            TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901630.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
15K             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MF925711.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MN200937.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
24A             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177820.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177830.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
9K              TTAATGTAATAAAGACATAATATGTATACAGTACATTAAATTATATGCCCCATGCATATA
MN200833.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
MZ901745.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
31A             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901639.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MK028747.1      TTAATGTAATAAAGACATAATATGTATACAGTACATTAAATTATATGCCCCATGCATATA
KT184466.1      TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
13A             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
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JN817329.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
OK687550.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
18K               TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177856.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
37A               TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
KJ709685.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
EU177853.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
KT184468.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
2K                TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
DQ124371.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
KT184470.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
KT184451.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576798.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
25A               TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901461.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901428.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576808.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901756.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MZ901713.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
FJ971081.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576840.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
33KSh             TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
KF163071.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
3A                TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MW423198.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576789.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576834.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MT576822.1G       TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MN714183.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
16K               TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MN510465.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
MN200928.1        TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATACCCCATGCATATA
35A               TTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
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MN200930.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901758.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
23A               AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
OK687397.1        AGCAAGTACATGACCTCTATAATAGTACATAATACATATAATTATTGACTGTACATAGTA
EU177824.1        AGCAAGTACATGACCTCTATAATAGTACATAATACATATAATTATTGACTGTACATAGTA
LC576822.1        AGCAAGTACATGACCTCTATAATAGTACATAATACATATAATTATTGACTGTACATAGTA
FJ971082.1        AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
HQ184039.1        AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
KT184460.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
25KSh             AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
KT184461.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901648.1        AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901652.1        AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
EU177861.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
30KSh             AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGCACATAGTA
32KSh             AGCAAGTACATGACCTCTATATCAGTACATAATACATATAATTATTGACTGTACATAGTA
OK687552.1        AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
OK687476.1        AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
6K                AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACCGTACATAGTA
DQ124379.1        AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901693.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
30A               AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901672.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
EU177835.1        AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
5K                AGCAAGTACATGACCTCTATAACAGTACATAATACATATAATTATTGACTGTACATAGTA
MT576796.1        AGCAAGTACATGACCTCTATAATAGTACATAATACATATAATTATTGACTGTACATAGTA
21A               AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901734.1        AGCAAGTACATGACCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
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MN200918.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901679.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
KT184471.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
LC580279.1G     AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
7K              AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901651.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901449.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901402.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
EU177828.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
EU177826.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
DQ124384.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901514.1      AGCAAGTACATGACCTCTATAACAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901644.1      AGCAAGTACATGACCTCTATAACAGTACATAATACATATAATTATTGACTGTACATAGTA
OK687387.1      AGCAAGTACATGACCTCTATAACAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901391.1      AGCAAGTACATGACCTCTATAACAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901382.1      AGCAAGTACATGACCTCTATAACAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901426.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901427.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MN200830.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MT576812.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
3K              AGCAAGTACATGACCTCTACAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MN200836.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
33A             AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ087698.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
42AB            AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901630.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACCGTACATAGTA
15K             AGCAAGTACATGACCTCTATAATAGTACATAATACATATAATTATTGACTGTACATAGTA
MF925711.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
MN200937.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
24A             AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
EU177820.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
EU177830.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
9K              AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MN200833.1      AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901745.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
31A             AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901639.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MK028747.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
KT184466.1      AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
13A             AGCAAGTACATGACTTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
JN817329.1      AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
OK687550.1      AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
18K             AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
EU177856.1      AGCAAGTACATGATCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
37A             AGCAAGTACATGATCTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
KJ709685.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACCGTACATAGTA
EU177853.1      AGCAAGTACATGACTTCTATACCAGTACATAATACATATAATTATTGACTGTACATAGTA
KT184468.1      AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
2K              AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
DQ124371.1      AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
KT184470.1      AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
KT184451.1      AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MT576798.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACCGTACATAGTA
25A             AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901461.1      AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901428.1      AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MT576808.1      AGCAAGTACATGATCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901756.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MZ901713.1      AGCAAGTACATGACCTCTATAGTAGTACATAATACATATAATTATTGACTGTACATAGTA
FJ971081.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MT576840.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
33KSh           AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
KF163071.1      AGCAAGTACATGACTTCTATGGCAGTACATAATACATATAATTATTGACTGTACATAGTA
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3A              AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MW423198.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
MT576789.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
MT576834.1      AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
MT576822.1G     AGCAAGCACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
MN714183.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAATA
16K             AGCAAGTACATGACCTCTATAACAGTACATAATACATATAATTATTGACTGTACATAATA
MN510465.1      AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
MN200928.1      AGCAAGTACATGACTTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
35A             AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTA
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MN200930.1      CATTATGTCAA
MZ901758.1      CATTATGTCAA
23A             CATTATGTCAA
OK687397.1      CATTATGTCAA
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EU177861.1      CATTATGTCAA
30KSh           CATTATGTCAA
32KSh           CATTATGTCAA
OK687552.1      CATTATGTCAA
OK687476.1      CATTATGTCAA
6K              CATTATGTCAA
DQ124379.1      CATTATGTCAA
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5K              CATTATGTCAA
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21A             CATTATGTCAA
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LC580279.1G     CATTATGTCAA
7K              CATTATGTCAA
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EU177826.1      CATTATGTCAA
DQ124384.1      CATTATGTCAA
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33A             CATTATGTCAA
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MN200937.1       CATTATGTCAA
24A              CATTATGTCAA
EU177820.1       CATTATGTCAA
EU177830.1       CATTATGTCAA
9K               CATTATGTCAA
MN200833.1       CATTATGTCAA
MZ901745.1       CATTATGTCAA
31A              CATTATGTCAA
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MK028747.1       CATTATGTCAA
KT184466.1       CATTATGTCAA
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OK687550.1       CATTATGTCAA
18K              CATTATGTCAA
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37A              CATTATGTCAA
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EU177853.1       CATTATGTCAA
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2K               CATTATGTCAA
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16K              CATTATGTCAA
MN510465.1       CATTATGTCAA
MN200928.1       CATTATGTCAA
35A              CATTATGTCAA
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