

O\_nivicola\_NC039431

O\_dalli\_NC039432\_USA

O\_c\_canadensis\_NC015889\_RamMountainALberta

O\_c\_canadensis\_NM29\_TaosPuebloNM

Ovis\_c\_canadensis\_KU363683\_RM4

O\_c\_canadensis\_nmdbs\_49\_TaosPuebloNM

O\_c\_canadensis\_nmdbs37\_TaosPuebloNM

Ovis\_c\_canadensis\_KU363681\_RM2

O\_c\_canadensis\_NM47\_TaosPuebloNM

O\_c\_canadensis\_nmdbs48\_TaosPuebloNM

Ovis\_c\_canadensis\_KU363684\_RM5

Ovis\_c\_canadensis\_KU363685\_RM6

O\_c\_canadensis\_MH094035\_WA\_captive

O\_c\_canadensis\_nmdbs44\_TaosPuebloNM

Ovis\_c\_canadensis\_KU363680\_RM1

Ovis\_c\_canadensis\_KU363686\_RM7

Ovis\_c\_canadensis\_KU363687\_RM8

Ovis\_c\_canadensis\_KU363689\_RM10

Ovis\_c\_canadensis\_MK381342\_WY27

Ovis\_c\_canadensis\_KU363688\_RM9

O\_c\_canadensis\_TK259853\_YellowJacketMtnIdaho

Ovis\_canadensis\_JX484769\_B

Ovis\_canadensis\_JX484770\_C

Ovis\_canadensis\_JX484771\_D

Ovis\_c\_canadensis\_KU363682\_RM3

Ovis\_c\_canadensis\_MK381323\_WY6

Ovis\_c\_canadensis\_MK381329\_WY13

Ovis\_c\_canadensis\_MK381327\_WY11

Ovis\_c\_canadensis\_MK381348\_WY33

Ovis\_c\_canadensis\_MK381330\_WY14

LH3

LH2

USNM110047\_GUMO\_1901

USNM118256\_GUMO\_1902

Ovis\_canadensis\_JX484772\_E

Ovis\_canadensis\_JX484773\_F

Ovis\_c\_canadensis\_MK381338\_WY22

Ovis\_c\_canadensis\_AY091486

Ovis\_c\_canadensis\_MK381319\_WY2

Ovis\_c\_canadensis\_MK381346\_WY31

Ovis\_c\_canadensis\_MK381333\_WY17

Ovis\_c\_canadensis\_MK381339\_WY23

Ovis\_c\_canadensis\_MK381347\_WY32

Ovis\_c\_canadensis\_MK381325\_WY9

Ovis\_c\_canadensis\_MK381336\_WY20

Ovis\_c\_canadensis\_MK381326\_WY10

Ovis\_c\_canadensis\_MK381344\_WY29

Ovis\_c\_canadensis\_MK381354\_WY42

Ovis\_c\_canadensis\_MK381355\_WY43

Ovis\_c\_canadensis\_MK381328\_WY12

Ovis\_c\_canadensis\_MK381320\_WY3

Ovis\_c\_canadensis\_MK381331\_WY15

Ovis\_c\_canadensis\_MK381335\_WY19

Ovis\_c\_canadensis\_MK381321\_WY4

Ovis\_c\_canadensis\_MK381322\_WY5

Ovis\_c\_canadensis\_MK381343\_WY28

Ovis\_c\_canadensis\_MK381332\_WY16

Ovis\_c\_canadensis\_MK381337\_WY21

Ovis\_c\_canadensis\_MK381340\_WY24

Ovis\_c\_canadensis\_MK381350\_WY36

Ovis\_c\_canadensis\_MK381351\_WY37

Ovis\_c\_canadensis\_MK381352\_WY38

Ovis\_c\_canadensis\_MK381353\_WY39

Ovis\_c\_canadensis\_MK381349\_WY35

Ovis\_c\_canadensis\_MK381334\_WY18

Ovis\_c\_canadensis\_MK381345\_WY30

Ovis\_c\_canadensis\_MK381341\_WY25

Ovis\_c\_nelsoni\_KU363653\_MG3

Ovis\_c\_sierrae\_KU363690\_SN1

BARROWMUSEUM\_LAMB\_1937

USNM110342\_GUMO\_1901

TBS5

O\_c\_cremnobates\_PEBBS\_2020\_044\_019\_FishCreek\_Cali

O\_c\_cremnobates\_PEBBS\_2020\_004\_032\_Anza\_Cali

AF076913\_O\_canadensis\_CA

O\_c\_cremnobates\_PEBBS\_2020\_004\_051\_IndianCanyons\_Cali

AF076911\_O\_canadensis\_CA

AF076917\_O\_canadensis\_CA

AF076915\_O\_canadensis\_CA

Ovis\_c\_nelsoni\_AY904008\_O

Ovis\_c\_nelsoni\_AY904012\_S

Ovis\_c\_nelsoni\_KU363657\_MG7

O\_c\_mexicanus\_MX6\_Carmens

O\_c\_mexicanus\_YAQUI5\_SonoraMX

Ovis\_c\_mexicana\_AY116622\_Tiburon\_hap2

TBS13

TBS15

BARROWMUSEUM\_RAM\_1937

Ovis\_c\_nelsoni\_AY903995\_B

Ovis\_c\_mexicana\_KU363638\_CD1

Ovis\_c\_nelsoni\_AY904015\_V

Ovis\_c\_weemsi\_AY116623\_Mexico\_bcs

Ovis\_c\_nelsoni\_AY903996\_C

Ovis\_c\_nelsoni\_AY904004\_K

Ovis\_c\_nelsoni\_AY903997\_D

Ovis\_c\_nelsoni\_KU363652\_MG2

BARROWMUSEUM\_EWE\_1937

O\_c\_mexicanus\_AZ95098\_CastleDomeAZ

Ovis\_c\_mexicana\_KU363646\_CS1

Ovis\_c\_mexicana\_KU363679\_SD15

Ovis\_c\_nelsoni\_KU363647\_CS2

Ovis\_c\_nelsoni\_KU363648\_CS2\_2

O\_c\_nelsoni\_NV98017\_GabbsValleyNV

19134XD\_05\_302\_TK249416\_ElephantMtn2017

19134XD\_05\_87\_TK249343\_Dove

19134XD\_05\_282\_TK256759\_ElephantMtn\_mom

O\_c\_nelsoni\_NV94016\_MuddyMtnsNV

O\_c\_nelsoni\_NV94019\_MuddyMtnsNV

O\_c\_nelsoni\_NV94017\_MuddyMtnsNV

Ovis\_c\_nelsoni\_AY904006\_M

O\_c\_nelsoni\_NV94013\_MuddyMtnsNV

O\_c\_nelsoni\_NV94015\_MuddyMtnsNV

O\_c\_nelsoni\_NV94011\_MuddyMtnsNV

O\_c\_nelsoni\_NV94018\_MuddyMtnsNV

O\_c\_nelsoni\_NV94020\_MuddyMtnsNV

19134XD\_05\_85\_TK249339\_Basse

19134XD\_05\_88\_TK249344\_ElephantMtn2017

19134XD\_05\_89\_TK249345\_ElephantMtn2017

19134XD\_05\_82\_TK249337\_Dove

O\_canadensis\_19134XD\_05\_84\_Bassey

O\_canadensis\_19134XD\_05\_212\_BlackGap

Ovis\_c\_nelsoni\_AY903993\_A

Ovis\_canadensis\_JX484768\_A

O\_canadensis\_NM19\_LadronMtnsNM

Ovis\_c\_mexicana\_KU363639\_CD2

TBS7

TBS2

O\_c\_cremnobates\_PEBBS\_2020\_004\_027\_Anza\_Cali

AF076914\_O\_canadensis\_CA

Ovis\_c\_cremnobates\_KU363660\_PR1

O\_canadensis\_19134XD\_05\_201\_Baylor

19134XD\_05\_192\_TK249289\_beaches

Ovis\_c\_nelsoni\_KP688366\_H6\_Ca

Ovis\_c\_cremnobates\_KU363661\_PR2

Ovis\_c\_cremnobates\_KU363663\_PR4

TBS16

O\_canadensis\_CA4\_Cali

Ovis\_c\_nelsoni\_AY903999\_F

Ovis\_c\_nelsoni\_AY904007\_N

Ovis\_c\_nelsoni\_AY904000\_G

Ovis\_c\_nelsoni\_KU363651\_MG1

Ovis\_c\_nelsoni\_AY904005\_L

Ovis\_c\_nelsoni\_AY904009\_P

Ovis\_c\_nelsoni\_AY904010\_Q

AF076912\_O\_canadensis\_CA

TBS11

O\_c\_mexicanus\_MX1\_Carmens

O\_c\_mexicanus\_MX5\_Carmens

O\_c\_mexicanus\_MX4\_Carmens

O\_c\_mexicanus\_MX8\_Carmens

O\_c\_mexicanus\_MX7\_Carmens

O\_c\_mexicanus\_YAQUI1\_SonoraMX

O\_c\_mexicanus\_YAQUI4\_SonoraMX

O\_c\_mexicanus\_YAQUI3\_SonoraMX

O\_c\_mexicanus\_YAQUI2\_SonoraMX

Ovis\_c\_mexicana\_AY116621\_Tiburon\_hap1

Ovis\_c\_nelsoni\_AY904016\_W

Ovis\_c\_mexicana\_KU363666\_SD1

Ovis\_c\_mexicana\_KU363667\_SD2

Ovis\_c\_nelsoni\_KU363655\_MG5

Ovis\_c\_nelsoni\_KU363640\_CP1

Ovis\_c\_nelsoni\_KU363641\_CP1\_2

TBS12

O\_c\_mexicanus\_MX3\_Carmens

O\_c\_canadensis\_TK259852\_GunnisonRiverAreaCO

TK200911\_SierraDiablo

19134XD\_05\_169\_TK249266\_SierraDiablo

19134XD\_05\_163\_TK249260\_SierraDiablo

Ovis\_c\_nelsoni\_KU363644\_CP4

19134XD\_05\_295\_TK249301\_Baylor

O\_canadensis\_19134XD\_05\_161\_Diablos

Ovis\_c\_nelsoni\_AY904001\_H

Ovis\_c\_nelsoni\_AY904003\_J

Ovis\_c\_nelsoni\_AY904011\_R

O\_canadensis\_TK256609\_VanHorn

Ovis\_c\_nelsoni\_KU363649\_GC1

Ovis\_c\_nelsoni\_KU363645\_CP5

Ovis\_c\_nelsoni\_KU363650\_GC1\_2

Ovis\_c\_nelsoni\_KU363643\_CP3

O\_c\_nelsoni\_NV98003\_GabbsValleyNV

Ovis\_c\_nelsoni\_KU363659\_MG10

O\_c\_nelsoni\_NV98011\_GabbsValleyNV

O\_canadensis\_19134XD\_05\_231\_Dove

O\_c\_nelsoni\_NV98009\_GabbsValleyNV

O\_c\_nelsoni\_NV98012\_GabbsValleyNV

O\_c\_nelsoni\_NV98006\_GabbsValleyNV

O\_c\_nelsoni\_NV98010\_GabbsValleyNV

O\_c\_nelsoni\_NV98007\_GabbsValleyNV

O\_c\_nelsoni\_NV98008\_GabbsValleyNV

O\_canadensis\_19134XD\_05\_301\_BlackGap\_ReaganCanyon

Ovis\_c\_nelsoni\_AY904013\_T

Ovis\_c\_mexicana\_KU363668\_SD3

Ovis\_c\_nelsoni\_AY904014\_U

Ovis\_c\_nelsoni\_AY904017\_X

TBS1

GUMO\_cave

O\_c\_mexicanus\_MX2\_Carmens

TK249450\_VanHorn

19134XD\_05\_14\_TK256548\_VanHorn

19134XD\_05\_162\_TK249259\_SierraDiablo

TK256575\_dbs22\_VanHorn

TK256610\_VanHorn

Ovis\_c\_canadensis\_MK381324\_WY7

AF076916\_O\_canadensis\_CA

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