

110 120 130 140 150 160 170 180 190
|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|

T. trichiura H. sapiens AM9929 GTTGTAGGCGCTGCTCCGCTGGCCTGCTAG-----CAGCAGCAGCAGCAGCAGCAGC
 Trichuris sp. P. ursinus DGI G GTTGTAGGCGCTGCTCCGCTGGCCTGCTAG-----CAGCAGCAGCAGCAGCAGCAGC
 Trichuris sp. P. ursinus DGII GTTGTAGGCGCTGCTCCGCTGGCCTGCTAG-----CAGCAGCAGCAGCAGC
 Trichuris sp. P. ursinus DGIII GTTGTAGGCGCTGCTCCGCTGGCCTGCTAG-----CAGCAGCAGCAGC
 DG-VNTRI

T. trichiura H. sapiens GQ3015 GCTG-----TCGCT-----GC
 Trichuris sp. P. ursinus CP-GO GCTG-----TCGCT-----GC

T. trichiura N. gabriellae FM9 GTTG-----CCGCTG-CTGCTT-----GCGGC
 T. trichiura C. guereza FM9919 GTTG-----CCGCTG-CTGCTT-----GCGGC

T. suis S. scrofa AM993016 Chi GTTG-----CCGCCG-CTGCTTG-----CAGCAGTAGCAGCAGCAGCAGC
 T. suis S. scrofa AM993012 Chi GTTG-----CCGCCG-CTGCTTG-----CAGCAGTAGCAGCAGCAGC

T. ovis O. aries JF680987 Irel GGTGGACAGACGGCCCGTTCAGCGTGTTCGACATGGGCGCTGTTGCTGCGCGCAGCGCTGCTTTGCGGCAGAACCTTCCTCGGCAGCCTTTGCTTGCGAGC
 T. discolor cattle AB367795 Ja GGTGGACAGACGACTCGGTTCAGCGTATTTGACGTGGGCGCTGTCGCTGCGCGTAGCGCTGCTTTGCGGCAGAACCTTCCTCGGCAGCCTGATGTTTGCGAGC
 T. discolor C. crispus AB36779 GGTGGACAGACGACTCGGTTCAGCGTATTTGACGTGGGCGCTGTCGCTGCGCGTAGCGCTGCTTTGCGGCAGAACCTTCCTCGGCAGCCTGATGTTTGCGAGC

210 220 230 240 250 260 270 280 290
|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|

T. trichiura H. sapiens AM9929 AGCAGCAGGCGCTGGTGT-GGCGTTTGCTC-----GGTC
 Trichuris sp. P. ursinus DGI G AGCAGCAGGCGCTGGTGT-GGCGTTTGCTC-----GGTC
 Trichuris sp. P. ursinus DGII AGCAGCAGGCGCTGGTGT-GGCGTTTGCTC-----GGTC
 Trichuris sp. P. ursinus DGIII AGCAGCAGGCGCTGGTGT-GGCGTTTGCTC-----GGTC

T. trichiura H. sapiens GQ3015 ATCATCGGGTGC TGGT--GACGCTCGTTGCTTCG G CAGTG TGGCGT--TC CAGTCGGCCG-----GTACTTTGGCT
 Trichuris sp. P. ursinus CP-GO ATCATCGGGTGC TGGT--GACGCTCGTTGCTTCG CAGTG TGGCGT--TC CAGTCGGCCG-----GTACTTTGGCT

T. trichiura N. gabriellae FM9 GGCACAGGGTGCCGGT--GACGCCGTTTCTACGGC-----GGCG
 T. trichiura C. guereza FM9919 GGCACAGGGTGCCGGT--GACGCTCGTTTCTACGGC-----GGCG

T. suis S. scrofa AM993016 Chi AGCGTCAGGTGCTGGTGACGACGCTCGTTCCGTCGGCATTGTGGCGTGTTCGCGAGTTGGCCGCC-----CCGTACTTTGGCG
 T. suis S. scrofa AM993012 Chi AGCGTCAGGTGCTGGTGACGACGCTCGTTCCGTCGGCATTGTGGCGTGTTCGCGAGTTGGCCGCC-----CCGTACTTTGGCG

T. ovis O. aries JF680987 Irel AGCATGGGATGTCGACGACGACGACGGCGGCGGGCAGCGTTGGCTCTATGCGGTTGCGAGC-----GCTTGCTTCTTT
 T. discolor cattle AB367795 Ja AGTATGGGACGTTGACGAGGACGGCGGGCGACGTTAGCTCCGTGTTGTTGCAAGCGCTAGTCGGCCAGCATCGGCCGTCGATAACTGAGCTTGCTTT
 T. discolor C. crispus AB36779 AGTATGGGACGTTGACGAGGACGGCGGGCGACGTTAGCTCCGTGTTGTTGCAAGCGCTAGTCGGCCAGCATCGGCCGTCGATAACTGAGCTTGCTTT


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          710      720      730      740      750      760      770      780      790
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T. trichiura H. sapiens AM9929 C--G-----TCGACGAGGTTCAAAGAACAGCCGTT---CGACCTCGAGC-ATCGAGG-----ACGGCTCGTCGCCGGTTGGAAAAAGAAA
Trichuris sp. P. ursinus DGI G C--G-----TCGACGAGGTTCAAAGAACAGCCGTT---CGACCTCGAGC-ATCGAGG-----ACGGCTCGTCGCCGGTTGGAAAAAGAAA
Trichuris sp. P. ursinus DGII  C--G-----TCGACGAGGTTCAAAGAACAGCCGTT---CGACCTCGAGC-ATCGAGG-----ACGGCTCGTCGCCGGTTGGAAAAAGAAA
Trichuris sp. P. ursinus DGIII C--G-----TCGACGAGGTTCAAAGAACAGCCGTT---CGACCTCGAGC-ATCGAGG-----ACGGCTCGTCGCCGGTTGGAAAAAGAAA

T. trichiura H. sapiens GQ3015 CTATG-----TCGGTGAGGTTTAAAGAACGGCCGTT---CG-CCTCGTGTGAGCGAATCGGGGAAGGACGGCTCGTCGCCGGTTGG-----
Trichuris sp. P. ursinus CP-GO CTATG-----TCGGTGAGGTTTAAAGAACGGCCGTT---CG-CCTCGTGTGAGCGAATCGGGGAAGGACGGCTCGTCGCCGGTTGG-----

T. trichiura N. gabriellae FM9 ACACG-----TCGGTGAGGTGTAAGGAACGGCCGTT---CG-CCACCTTGAGCGCACAAAGAAAGCAACGGCTCGTCGCCGGTTGG-----
T. trichiura C. guereza FM9919 ACACG-----TCGGTGAGGTGTAAGGAACGGCCGTT---CG-CCACCTTGAGCGCACAAAGAAAGCAACGGCTCGTCGCCGGTTGG-----

T. suis S. scrofa AM993016 Chi CTATG-----TCGGTGAGGTTTAAAGAACGGCCGTT---CGAACTCGAGCGCATCG-AGGAACGCGACGGCTCGTCGCCGGTTGG-----
T. suis S. scrofa AM993012 Chi CTATG-----TCGGTGAGGTTTAAAGAACGGCCGTT---CGAACTCGAGCGCATCG-AGGAACGCGACGGCTCGTCGCCGGTTGG-----

T. ovis O. aries JF680987 Irel CTGCGCGTATACGTTTCGTCGAGGTTCAAAGAACGACTGTCGTGGGCGCCACGCTTGGCGCATCCA---TTGACGGATCGTCGCCGTTTGG-----
T. discolor cattle AB367795 Ja CTGCGCGTATACGTTTCGTCGAGGTTCAAAGAACGACTGTCGAGAGTGCGAGGCTTGGCGCACCTT---TCGACGGTTCGTCGCCGTTCTGG-----
T. discolor C. crispus AB36779 CTGCGCGTATACGTTTCGTCGAGGTTCAAAGAACGACTGTCGAGAGTGCGAGGCTTGGCGCACCTT---TCGACGGTTCGTCGCCGTTCTGG-----

          810      820      830      840      850      860      870      880      890
    ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
T. trichiura H. sapiens AM9929 AAGCAGCTTC-----ACCAGTGCACA-AGG---CGTCGTCCCTACTACGCACGCCGATGTGCCTTTCGACACGCAGACACTGCTGTCCGGCGCAATGA
Trichuris sp. P. ursinus DGI G AAGCAGCTTC-----ACCAGTGCACA-AGG---CGTCGTCCCTACTACGCACGCCGATGTGCCTTTCGACACGCAGACACTGCTGTCCGGCGCAATGA
Trichuris sp. P. ursinus DGII  AAGCAGCTTC-----ACCAGTGCACA-AGG---CGTCGTCCCTACTACGCACGCCGATGTGCCTTTCGACACGCAGACACTGCTGTCCGGCGCAATGA
Trichuris sp. P. ursinus DGIII AAGCAGCTTC-----ACCAGTGCACA-AGG---CGTCGTCCCTACTACGCACGCCGATGTGCCTTTCGACACGCAGACACTGCTGTCCGGCGCAATGA
                                                                SNPS

T. trichiura H. sapiens GQ3015 ---ATCTTC---TAAATGACCAATGCAGATAAG---CTGCGCTT-----CGCTGAAG-----CGTAGGAACGAATTGTTGAAAG---
Trichuris sp. P. ursinus CP-GO ---ATCTTC---TTCATGACCAATGCAGATAAG---CTGCGCTT-----CGCTGAAGCGA-----CGCAGGAACGAATTGTTGAAAGT---

T. trichiura N. gabriellae FM9 ---ATCTCCG---TTTACGACCAATGCAGATAAG---CTGCGCTT-----CGCTGAAG-----CGCAGGAACGAACTGTTGAGCGATGA
T. trichiura C. guereza FM9919 ---ATCTCCG---TTTACGACCAATGCAGATAAG---CTGCGCTT-----CGCTGAAG-----CGCAGGAACGAACTGTTGAGCGATGA

T. suis S. scrofa AM993016 Chi ---ATCTTCGTTATTAACGACCAATGCAGATAAG---CTGCGCTT-----CGTCGAAG-----TGCAGGAATC---TTGAAAC---
T. suis S. scrofa AM993012 Chi ---ATCTTCGTTATTAACGACCAATGCAGATAAG---CTGCGCTT-----CGTCGAAG-----TGCAGGAATC---TTGAAAC---

T. ovis O. aries JF680987 Irel -----ACCAGTACGCTTCGGTCCACTTCACACTA-----CGCAACAACAGCGTTGCTCTGTATGAATTGCAATTGGGAAAGCAA
T. discolor cattle AB367795 Ja -----ACCAGTACATTTTCGGTCCACTTCACTCTA-----CGCAACAACAGCGTTGCTCTGTACGAATTGCAACTGGGAAAGCAA
T. discolor C. crispus AB36779 -----ACCAGTACATTTTCGGTCCACTTCACTCTA-----CGCAACAACAGCGTTGCTCTGTACGAATTGCAACTGGGAAAGCAA

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1310 1320 1330 1340 1350 1360 1370 1380 1390
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T. trichiura H. sapiens AM9929 CGCACATTGCAGCGTCGATCAAAGATGTCGACGCTACGCCTGCTGAGGGTCGTTAAGCATAATAGCGAATGCGCCGCTCAG-----GCTACAG---GT
 Trichuris sp. P. ursinus DGI G CGCACATTGCAGCGTCGATCAAAGATGTCGACGCTACGCCTGCTGAGGGTCGTTAAGCATAATAGCGAATGCGCCGCTCAG-----GCTACAG---GT
 Trichuris sp. P. ursinus DGII CGCACATTGCAGCGTCGATCAAAGATGTCGACGCTACGCCTGCTGAGGGTCGTTAAGCATAATAGCGAATGCGCCGCTCAG-----GCTACAG---GT
 Trichuris sp. P. ursinus DGIII CGCACATTGCAGCGTCGATCAAAGATGTCGACGCTACGCCTGCTGAGGGTCGTTAAGCATAATAGCGAATGCGCCGCTCAG-----GCTACAG---GT

T. trichiura H. sapiens GQ3015 CGCACATTGCAGCGTCGACGAACCATGTCGACGCTACGCCTGCTGAGGGTCGTTACGAAATAAAGCAAATGCGCCGCTCAGCAGGCTGCTACTGCCCTCT
 Trichuris sp. P. ursinus CP-GO CGCACATTGCAGCGTCGACGAACCATGTCGACGCTACGCCTGCTGAGGGTCGTTACGAAATAAAGCAAATGCGCCGCTCAGCAGGCTGCTACTGCCCTCT

T. trichiura N. gabriellae FM9 CGCACATTGCAGCGTCGACGAACCATGTCGACGCTACGCCTGCTGAGGGTCGTTACGATGTAAAGCAAATGCGCCGCTCAG-----GTTCCGCCGT
 T. trichiura C. guereza FM9919 CGCACATTGCAGCGTCGACGAACCATGTCGACGCTACGCCTGCTGAGGGTCGTTACGATGTAAAGCAAATGCGCCGCTCAG-----GTTCCGCCGT

T. suis S. scrofa AM993016 Chi CGCACATTGCAGCGTCGACGAACCATGTCGACGCTACGCCTGCTGAGGGTCGTTACGAAATAAAGCAAATGCGCCGCTCAG-----GTTCCGCCGT
 T. suis S. scrofa AM993012 Chi CGCACATTGCAGCGTCGACGAACCATGTCGACGCTACGCCTGCTGAGGGTCGTTACGAAATAAAGCAAATGCGCCGCTCAG-----GTTCCGCCGT

T. ovis O. aries JF680987 Irel CGCACATTGCAGCGTCGATCAAACATGTCGGCGCTACGCCTGCTGAGGGTCGTTATCGAC--ACGCAATTG--CGCTCAGGCTGACGCCACCGTGGCT
 T. discolor cattle AB367795 Ja CGCACATTGCAGCGTCGATCAAACATGTCGGCGCTACGCCTGCTGAGGGTCGTTACCGAC--ACGCAATTG--CGCTCAGGCTGACGCCACCGTGGCT
 T. discolor C. crispus AB36779 CGCACATTGCAGCGTCGATCAAACATGTCGGCGCTACGCCTGCTGAGGGTCGTTACCGAC--ACGCAATTG--CGCTCAGGCTGACGCCACCGTGGCT

1410 1420 1430 1440 1450 1460 1470 1480 1490
|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|

T. trichiura H. sapiens AM9929 TGAG-----GTTGGTGGCGAGCA--CCGGACAAACCTGCATCCGCCG--G--CGAGC--GAGCGTGACGCCGAGCTCCGTTG
 Trichuris sp. P. ursinus DGI G TGAG-----GTTGGTGGCGAGCA--CCGGACAAACCTGCATCCGCCG--G--CGAGC--GAGCGTGACGCCGAGCTCCGTTG
 Trichuris sp. P. ursinus DGII TGAG-----GTTGGTGGCGAGCA--CCGGACAAACCTGCATCCGCCG--G--CGAGC--GAGCGTGACGCCGAGCTCCGTTG
 Trichuris sp. P. ursinus DGIII TGAG-----GTTGGTGGCGAGCA--CCGGACAAACCTGCATCCGCCG--G--CGAGC--GAGCGTGACGCCGAGCTCCGTTG

T. trichiura H. sapiens GQ3015 GGGG-----ACTAGCGGTAGCAAGCAGCGCGGGTACGGCTGCCCCGTTGGTTGGTCTCAGC--GAGCGGACGCCGAGCTGCTCCCT
 Trichuris sp. P. ursinus CP-GO TGGG-----GCTAGCGGTAGCAAGCAGCGCGGGTACGGCTGCCCCGTTGGGCGC--TGAGC--GAGCGGACGCCGAGC-----T

T. trichiura N. gabriellae FM9 TGGACATGCACGTGTCGGTCCCGCTAGCGGTAGCAAGCAGCGCGGACCGGGCTACTCCCGTGT--C--TGAGC--GAGCGGACGCCGAGGTCGTCCCT
 T. trichiura C. guereza FM9919 TGGACATGCACGTGTCGGTCCCGCTAGCGGTAGCAAGCAGCGCGGACCGGGCTACTCCCGTGT--C--TGAGC--GAGCGGACGCCGAGGTCGTCCCT

T. suis S. scrofa AM993016 Chi TGGACTTGCACGGTCCGTGCAGCTAGCTGTAGCAAGCGGCGCGGATACGGCTACCCGAGGCT--G--TGAGC--GAGCGGACGCCGAGGTCCTCCT
 T. suis S. scrofa AM993012 Chi TGGACTTGCACGGTCCGTGCAGCTAGCTGTAGCAAGCGGCGCGGATACGGCTACCCGAGGCT--G--TGAGC--GAGCGGACGCCGAGGTCCTCCT

T. ovis O. aries JF680987 Irel TAGG-----TACTTGAAGCTACGCG--TGGCGGCACGC-----TACGCCCTAAGCGCTACGCTGC-----T
 T. discolor cattle AB367795 Ja TCGG-----TACAGGAAGCTGCGCG--TGGCGGCACGA-----TGCCTCTGAGCGTTACGCTGC-----T
 T. discolor C. crispus AB36779 TCGG-----TACAGGAAGCTGCGCG--TGGCGGCACGA-----TGCCTCTGAGCGTTACGCTGC-----T

	1510	1520	1530	1540	1550	1560	1570	1580	1590
T. trichiura H. sapiens AM9929	CCAG	CGAGCCG	CGATGGCA	-----	ACTGGTAGGCGG	AG	CAGCGGAGAGCGGCCAAGTCAGCGTAGGGCGAAGACT		
Trichuris sp. P. ursinus DGI G	CCAG	CGAGCCG	CGATGGCA	-----	ACTGGTAGGCGG	AG	CAGCGGAGAGCGGCCAAGTCAGCGTAGGGCGAAGACT		
Trichuris sp. P. ursinus DGII	CCAG	CGAGCCG	CGATGGCA	-----	ACTGGTAGGCGG	AG	CAGCGGAGAGCGGCCAAGTCAGCGTAGGGCGAAGACT		
Trichuris sp. P. ursinus DGIII	CCAG	CGAGCCG	CGATGGCA	-----	ACTGGTAGGCGG	AG	CAGCGGAGAGCGGCCAAGTCAGCGTAGGGCGAAGACT		
T. trichiura H. sapiens GQ3015	GCTG	CTACTGGCAG	CGACGGCAG	GTGGCCGTCATCGCTGACAGGCAGCCG		AG	CTTCTGCGGAGAGCGGGCTAACTCAGCGCAGTACGGAAGCT		
Trichuris sp. P. ursinus CP-GO	GCTG	CTTGGCAG	CGACGGCAG	GTGGCCGTCATCGCTGACAGGCAGCCG		AG	CTGCGGAGAGCGGGCTAACTCAGCGCAGTACGGAAGCT		
T. trichiura N. gabriellae FM9	GCTG	GCAG	CGACGGCAG	GTGTTTCGCTATCGCTGCCAGGCAGACGG		AC	CAGCGGAGAGCGGCTAACTCAGCGCAGCACGGAAGCT		
T. trichiura C. guereza FM9919	GCTG	GCAG	CGACGGCAG	GTGTTTCGCTATCGCTGCCAGGCAGACGG		AC	CAGCGGAGAGCGGCTAACTCAGCGCAGCACGGAAGCT		
T. suis S. scrofa AM993016 Chi	GCTG	CTAGCAG	CGACGGCAG	GTGCCCGTCATCGCTGGCAGGCAGCCGG		AG	CTGCGGAGAGCGGCTAACTCAGCGCAGTACGGAAGCT		
T. suis S. scrofa AM993012 Chi	GCTG	CTAGCAG	CGACGGCAG	GTGCCCGTCATCGCTGGCAGGCAGCCGG		AG	CTGCGGAGAGCGGCTAACTCAGCGCAGTACGGAAGCT		
T. ovis O. aries JF680987 Irel	GCTG	ATGGCGGTCGAGTCCGCTGGGTCAGCCGAGCTGACCGGCAGCCGCTACTAG					CAGCGGAGAGCAGTCCGGCTCGGCAGAGAACCTAGGCT		
T. discolor cattle AB367795 Ja	GCTG	ATGGCGGTCGAGTCCGCTGGGCCAGCCGAGCTGGCCGGCAACCGCTACTAG					CAGCAGAGAGCAGTCCGGCTCGGCAGAGAACCTAGGCC		
T. discolor C. crispus AB36779	GCTG	ATGGCGGTCGAGTCCGCTGGGCCAGCCGAGCTGGCCGGCAACCGCTACTAG					CAGCAGAGAGCAGTCCGGCTCGGCAGAGAACCTAGGCC		
	1610	1620	1630	1640	1650	1660	1670	1680	1690
T. trichiura H. sapiens AM9929	ACCCGACTTGGCTAC	CGGCCGCGCCGTCG	GCGTACAGC	-----	AGTTGAGCAGGGAGCGGTGAC		CGCACGCGCT	CGTAG	
Trichuris sp. P. ursinus DGI G	ACCCGACTTGGCTAC	CGGCCGCGCCGTCG	GCGTACAGC	-----	AGTTGAGCAGGGAGCGGTGAC		CGCACGCGCT	CGTAG	
Trichuris sp. P. ursinus DGII	ACCCGACTTGGCTAC	CGGCCGCGCCGTCG	GCGTACAGC	-----	AGTTGAGCAGGGAGCGGTGAC		CGCACGCGCT	CGTAG	
Trichuris sp. P. ursinus DGIII	ACCCGACTTGGCTAC	CGGCCGCGCCGTCG	GCGTACAGC	-----	AGTTGAGCAGGGAGCGGTGAC		CGCACGCGCT	CGTAG	
T. trichiura H. sapiens GQ3015	GCCCGAGTTGGCTATGTCGCTACATCGTCA	GCGTAAAGCCGGGAAACG	ACCGTTGACCACCGAGCGACCAAC		TGCGGGCGCGAG		CGCAG		
Trichuris sp. P. ursinus CP-GO	GCCCGAGTTGGCTATGTCGCTACATCGTCA	GCGTAAAGCCGGGAAACG	ACCGTTGACCACCGAGCGACCAAC		TGCGGGCGCGAG		CGCAG		
T. trichiura N. gabriellae FM9	GCCCGAGTCGGCTACGTCGCCGCTCGTCG	GC	GCGACCG	TCCGTTGACCACCGAGCGACCAT		CGCAATCGAG	CGCAG		
T. trichiura C. guereza FM9919	GCCCGAGTCGGCTACGTCGCCGCTCGTCG	GC	GCGACCG	TCCGTTGACCACCGAGCGACCAT		CGCAATCGAG	CGCAG		
T. suis S. scrofa AM993016 Chi	GCCCGAGTTGGCTACGTCGCTACATCGTCGTCAGCGTACAGC	GCGACTGAGTTGTTTTACCCACCGAGCGACCAACCCGCGCGCGGAC				CGTAG			
T. suis S. scrofa AM993012 Chi	GCCCGAGTTGGCTACGTCGCTACATCGTCGTCAGCGTACAGC	GCGACTGAGTTGTTTTACCCACCGAGCGACCAACCCGCGCGCGGAC				CGTAG			
T. ovis O. aries JF680987 Irel	TTCCGAGTCGGCTTTTACCCTCCTAATCG	CGGC		GCAAGCGACCATCGAGAAACGGC		TGCAA			
T. discolor cattle AB367795 Ja	TTCCGAGTCGACTTTTCATGCTCGTAATCG	CGGC		GCAAGCGACCATCGAGAAACGGC		TGCAA			
T. discolor C. crispus AB36779	TTCCGAGTCGACTTTTCATGCTCGTAATCG	CGGC		GCAAGCGACCATCGAGAAACGGC		TGCAA			

	1910	1920	1930	1940	1950	1960

T. trichiura H. sapiens AM9929	CGTCA	ACTAGCGGTTGCGCCGCG	TGGCTC	CACCCGTAC	GTCCTCGATGTT	
Trichuris sp. P. ursinus DGI G	CGTCA	ACTAGCGGTTGCGCCGCG	TGGCTC	CACCCGTAC	GTCCTCGATGTT	
Trichuris sp. P. ursinus DGII	CGTCA	ACTAGCGGTTGCGCCGCG	TGGCTC	CACCCGTAC	GTCCTCGATGTT	
Trichuris sp. P. ursinus DGIII	CGTCA	ACTAGCGGTTGCGCCGCG	TGGCTC	CACCCGTAC	GTCCTCGATGTT	
T. trichiura H. sapiens GQ3015	CGCTGGTCA	GTCACGG	CCGCAACG	CCACTG	CGCTCCGTTGTTGTCTCTTCG	TGTT
Trichuris sp. P. ursinus CP-GO	CGCTGGTCA	CCGTCGG	CCGCTACG	CCACTG	CGCTCCGTTGTTGTCTCTTCG	TGTT
T. trichiura N. gabriellae FM9	CGCTGGTCACTCTCGG	CCGCCGCAAAGCGACTG	CGCTCCCGTTCTTGT	TGTTTCG	TGTT	
T. trichiura C. guereza FM9919	CGCTGGTCACTCTCGG	CCGCCGCAAAGCGACTG	CGCTCCCGTTCTTGT	TGTTTCG	TGTT	
T. suis S. scrofa AM993016 Chi	CAGTGGTGA	CTCTCGG	CCGCCGCAA	CAAGTG	CGCTCCCGTTGTTGT	TCG-TGTT
T. suis S. scrofa AM993012 Chi	CAGTGGTGA	CTCTCAG	CCGCCGCAA	CGAGTG	CGCTCCCGTTGTTGT	TCG-TGTT
T. ovis O. aries JF680987 Irel	CGCTGGT	-----	CCGCCGAA	CGAGTGGTCGTTCTGC	-----	TGTT
T. discolor cattle AB367795 Ja	CGCTGGT	-----	CCGCAGAA	CGAGTGGTCGTTCTGC	-----	TGTT
T. discolor C. crispus AB36779	CGCTGGT	-----	CCGCAGAA	CGAGTGGTCGTTCTGC	-----	TGTT