

Article DOI: <http://dx.doi.org/10.3201/eid2002.121797>

Subtyping *Cryptosporidium ubiquitum*, a Zoonotic Pathogen Emerging in Humans

Technical Appendix

10 20 30 40 50 60 70 80 90 100
36625-sheep-Brazil TGAGATTTTACTCGCTATCGTATCACTCTCCGTTTTCATCTCAGTTGTATTCTCAGCTCCAGGTGTTCCACTCAGAGGTACATTGAAAGAGGATGACAG
36624-sheep-Brazil
36623-sheep-Brazil
36630-sheep-Spain
36631-sheep-Spain
36633-sheep-Spain
36627-sheep-Spain
36632-sheep-Spain
36626-sheep-Spain
36634-sheep-USA
36637-sheep-USA
37766-sheep-USA
36636-sheep-USA
37769-sheep-USA
37767-sheep-USA
37768-sheep-USA
37774-sheep-USA
37777-sheep-USA
37776-sheep-USA
37775-sheep-USA
37772-sheep-USA
37773-sheep-USA
37771-sheep-USA
6478-blesbok-Czech Republic
6482-nyala-Czech Republic
34023-sheep-China
36737-sheep-China
34022-sheep-China
38161-sheep-Australia
38157-sheep-Australia
38156-sheep-Australia
38154-sheep-Australia
38153-sheep-Australia
38152-sheep-Australia
34049-sheep-China
37635-sheep-Turkey
34043-sheep-China
34047-sheep-China
34055-sheep-China
34011-sheep-China
34038-sheep-China
34044-sheep-China
34032-sheep-China
34060-sheep-China
34048-sheep-China
36745-sheep-China
36785-sheep-China
34025-sheep-China
34034-sheep-China
19141-yak-China
19142-yak-China
28682-yak-China
30241-swamp deer-Nepal
30238-swamp deer-Nepal
30243-swamp deer-Nepal
32563-impala-S.Africa
32560-buffallo-S.Africa
31261-human-Turkey
37828-human-UK
37830-human-UK
37827-human-UK
31570-sheep-Spain
37820-human-UK
37811-sheep-UK
37809-sheep-UK
37813-sheep-UK
37815-sheep-UK
37808-equine-UK
36629-sheep-Spain
36628-sheep-Spain
18165-sheep-Peru
37821-human-UK
37818-human-UK
37825-human-UK
37829-human-UK
16421-human-Peru
9870-human-Canada
19716-alpaca-Peru
35147-goat-Algeria
18868-chipmunk-USA
33456-sifaka-USA
37822-human-UK
37824-human-UK
37819-human-UK
37202-human-USA
37192-human-USA
37206-human-USA
37191-human-USA
34141-human-USA
37215-human-USA
37201-human-USA
37212-human-USA
29355-human-USA
8512-storm-water-USA
8513-storm-water-USA
5397-storm-water-USA
6140-storm-water-USA
8509-storm-water-USA
8469-storm-water-USA
6141-storm-water-USA
8062-storm-water-USA

```

6143-storm-water-USA .....
6144-storm-water-USA .....
8514-storm-water-USA .....
8510-storm-water-USA .....
6317-storm-water-USA .....
7370-storm-water-USA .....
7163-storm-water-USA .....
15529-river-water-USA .....
14874-river-water-USA .....
18371-eastern gray squirrel-US .....A.....T.....
18370-eastern gray squirrel-US .....A.....T.....
14886-eastern gray squirrel-US .....A.....T.....
14223-beaver-USA .....A.....T.....
13266-red squirrel-USA .....A.....T.....
37200-human-USA .....A.....T.....
37203-human-USA .....A.....T.....
37204-human-USA .....A.....T.....
37197-human-USA .....A.....T.....
37217-human-USA .....A.....T.....
37193-human-USA .....A.....T.....
29361-human-USA .....A.....T.....
8774-human-USA .....A.....T.....
37196-human-USA .....A.....T.....
37208-human-USA .....A.....T.....
37216-human-USA .....A.....T.....
37209-human-USA .....A.....T.....
37826-human-UK .....A.....T.....
37833-human-UK .....A.....T.....
22508-river-water-USA .....A.....T.....
13264-woodchuck-USA .....A.....T.....
12963-raccoon-USA .....A.....T.....
36641-porcupine-USA .....
36642-porcupine-USA .....
36638-porcupine via goat-USA .....
36639-porcupine via goat-USA .....
36640-porcupine via goat-USA .....
17654-human-USA .....
17577-human-USA .....
37211-human-USA .....
17574-human-USA .....
37640-field mouse-Slovak Repub .....G..T.....A..A.....GA...A.....T..A..G.....T.A.C
37642-field mouse-Slovak Repub .....G..T.....A..A.....GA...A.....T..A..G.....T.A.C
37644-field mouse-Slovak Repub .....G..T.....A..A.....GA...A.....T..A..G.....T.A.C
37646-field mouse-Slovak Repub .....TTT.....C.....C.....GA.....T.....T..C
AF114166-C. parvum-gp60 gene .....G.CG...AT.....T.....A.AG...C.C.....C...CC.....A..T..A..G..T.T.CCTGT
Clustal Consensus ***** * ** ***** ***** ** * **** * ** ***** ** ** ***** ** * ** *

```

```

110 120 130 140 150 160 170 180 190 200
TACTAACGTTAGCACCAACAGCTGCTCCAAGAAGATAATCGTCAGATCTACCGAGGAAGGCA CAACACCT
36625-sheep-Brazil .....
36624-sheep-Brazil .....
36623-sheep-Brazil .....
36630-sheep-Spain .....
36631-sheep-Spain .....
36633-sheep-Spain .....
36627-sheep-Spain .....
36632-sheep-Spain .....
36626-sheep-Spain .....
36634-sheep-USA .....
36637-sheep-USA .....
37766-sheep-USA .....
36636-sheep-USA .....
37769-sheep-USA .....
37767-sheep-USA .....
37768-sheep-USA .....
37774-sheep-USA .....
37777-sheep-USA .....
37776-sheep-USA .....
37775-sheep-USA .....
37772-sheep-USA .....
37773-sheep-USA .....
37771-sheep-USA .....
6478-blesbok-Czech Republic .....
6482-nyala-Czech Republic .....
34023-sheep-China .....
36737-sheep-China .....
34022-sheep-China .....
38161-sheep-Australia .....
38157-sheep-Australia .....
38156-sheep-Australia .....
38154-sheep-Australia .....
38153-sheep-Australia .....
38152-sheep-Australia .....
34049-sheep-China .....
37635-sheep-Turkey .....
34043-sheep-China .....
34047-sheep-China .....
34055-sheep-China .....
34011-sheep-China .....
34038-sheep-China .....
34044-sheep-China .....
34032-sheep-China .....
34060-sheep-China .....
34048-sheep-China .....
36745-sheep-China .....
36785-sheep-China .....
34025-sheep-China .....
34034-sheep-China .....
19141-yak-China .....
19142-yak-China .....
28682-yak-China .....
30241-swamp deer-Nepal .....
30238-swamp deer-Nepal .....

```

30243-swamp deer-Nepal
 32563-impala-S.Africa
 32560-buffalao-S.Africa
 31261-human-Turkey
 37828-human-UK
 37830-human-UK
 37827-human-UK
 31570-sheep-Spain
 37820-human-UK
 37811-sheep-UK
 37809-sheep-UK
 37813-sheep-UK
 37815-sheep-UK
 37808-equine-UK
 36629-sheep-Spain
 36628-sheep-Spain
 18165-sheep-Peru
 37821-human-UK
 37818-human-UK
 37825-human-UK
 37829-human-UK
 16421-human-Peru
 9870-human-Canada
 19716-alpaca-Peru
 35147-goat-Algeria
 18868-chipmunk-USA
 33456-sifaka-USA
 37822-human-UK
 37824-human-UK
 37819-human-UK
 37202-human-USA
 37192-human-USA
 37206-human-USA
 37191-human-USA
 34141-human-USA
 37215-human-USA
 37201-human-USA
 37212-human-USA
 29355-human-USA
 8512-storm-water-USA
 8513-storm-water-USA
 5397-storm-water-USA
 6140-storm-water-USA
 8509-storm-water-USA
 8469-storm-water-USA
 6141-storm-water-USA
 8062-storm-water-USA
 6143-storm-water-USA
 6144-storm-water-USA
 8514-storm-water-USA
 8510-storm-water-USA
 6317-storm-water-USA
 7370-storm-water-USA
 7163-storm-water-USA
 15529-river-water-USA
 14874-river-water-USA
 18371-eastern gray squirrel-US
 18370-eastern gray squirrel-US
 14886-eastern gray squirrel-US
 14223-beaver-USA
 13266-red squirrel-USA
 37200-human-USA
 37203-human-USA
 37204-human-USA
 37197-human-USA
 37217-human-USA
 37193-human-USA
 29361-human-USA
 8774-human-USA
 37196-human-USA
 37208-human-USA
 37216-human-USA
 37209-human-USA
 37826-human-UK
 37833-human-UK
 22508-river-water-USA
 13264-woodchuck-USA
 12963-raccoon-USA
 36641-porcupine-USA
 36642-porcupine-USA
 36638-porcupine via goat-USA
 36639-porcupine via goat-USA
 36640-porcupine via goat-USA
 17654-human-USA
 17577-human-USA
 37211-human-USA
 17574-human-USA
 37640-field mouse-Slovak Repub C.GCG.TAGCTCG...C...T.A...T...G.GT.GCTGGTGCTACTCCAAC
 37642-field mouse-Slovak Repub C.GCG.TAGCTCG...C...T.A...T...G.GT.GCTGGTGCTACTCC
 37644-field mouse-Slovak Repub C.GCG.TAGCTCG...C...T.A...T...G.GT.GCTGGTGCTACTCCAAC
 37646-field mouse-Slovak Repub .GG.G.TAGC.CG...T...A.A...T...GTTGT.CCAGGTGCTGCT
 AF114166-C. parvum-gp60 gene .GAGGG-.C.T..TCGTC.TC.TCATC-...C...A...TCATC.T.ATCATCAT..T...T.
 Clustal Consensus * * * ** ** *

210 220 230 240 250 260 270 280 290 300
 36625-sheep-Brazil G CTCTT ACTACTCCTAG TACTACT
 36624-sheep-Brazil
 36623-sheep-Brazil
 36630-sheep-Spain
 36631-sheep-Spain
 36633-sheep-Spain
 36627-sheep-Spain


```

18371-eastern gray squirrel-US .....A.....
18370-eastern gray squirrel-US .....A.....
14886-eastern gray squirrel-US .....A.....
14223-beaver-USA .....A.....
13266-red squirrel-USA .....A.....
37200-human-USA .....A.....
37203-human-USA .....A.....
37204-human-USA .....A.....
37197-human-USA .....A.....
37217-human-USA .....A.....
37193-human-USA .....A.....
29361-human-USA .....A.....
8774-human-USA .....A.....
37196-human-USA .....A.....
37208-human-USA .....A.....
37216-human-USA .....A.....
37209-human-USA .....A.....
37826-human-UK .....A.....
37833-human-UK .....A.....
22508-river-water-USA .....A.....
13264-woodchuck-USA .....A.....
12963-raccoon-USA .....A.....
36641-porcupine-USA .....A..G..CC.....T.....
36642-porcupine-USA .....A..G..CC.....T.....
36638-porcupine via goat-USA .....A..G..CC.....T.....
36639-porcupine via goat-USA .....A..G..CC.....T.....
36640-porcupine via goat-USA .....A..G..CC.....T.....
17654-human-USA .....A..G..CC.....T.....
17577-human-USA .....A..G..CC.....T.....
37211-human-USA .....A..G..CC.....T.....
17574-human-USA .....A..G..CC.....T.....
37640-field mouse-Slovak Repub TACTCCTGGTGAGCAGCAACAACCTCCTGGT.CTA.....GGTGCAGCAGCA..A.....G.....G.....CCTGGTGAG
37642-field mouse-Slovak Repub .....GGTGCAGCAGCAACAACCTCCTGGT.CTA.....GGTGCAGCAGCA..A.....G.....G.....CCTGGTGAG
37644-field mouse-Slovak Repub TACTCCTGGTGAGCAGCAGCAACAACCTCCTGGT.CTA.....GGTGCAGCAGCA..A.....G.....G.....CCTGGTGAG
37646-field mouse-Slovak Repub .....CTA.....C.....C.....C.....G.....G.....
AF114166-C. parvum-gp60 gene .....AACCCTCG.AC.AG.A.A.....AGG.AAGAACT
Clustal Consensus .....* * * *

```

```

310 320 330 340 350 360 370 380 390 400
36625-sheep-Brazil .....G..CTCCTACT..GCTGCTCCCACTACTGTTAGTACTACC.....GCTCCTTCTGGCGCGGTGTACTC
36624-sheep-Brazil .....
36623-sheep-Brazil .....
36630-sheep-Spain .....
36631-sheep-Spain .....
36633-sheep-Spain .....
36627-sheep-Spain .....
36632-sheep-Spain .....
36626-sheep-Spain .....
36634-sheep-USA .....
36637-sheep-USA .....
37766-sheep-USA .....
36636-sheep-USA .....
37769-sheep-USA .....
37767-sheep-USA .....
37768-sheep-USA .....
37774-sheep-USA .....
37777-sheep-USA .....
37776-sheep-USA .....
37775-sheep-USA .....
37772-sheep-USA .....
37773-sheep-USA .....
37771-sheep-USA .....
6478-blesbok-Czech Republic .....
6482-nyala-Czech Republic .....
34023-sheep-China .....
36737-sheep-China .....
34022-sheep-China .....
38161-sheep-Australia .....
38157-sheep-Australia .....
38156-sheep-Australia .....
38154-sheep-Australia .....
38153-sheep-Australia .....
38152-sheep-Australia .....
34049-sheep-China .....T.....
37635-sheep-Turkey .....T.....
34043-sheep-China .....T.....
34047-sheep-China .....T.....
34055-sheep-China .....T.....
34011-sheep-China .....T.....
34038-sheep-China .....T.....
34044-sheep-China .....T.....
34032-sheep-China .....T.....
34060-sheep-China .....T.....
34048-sheep-China .....T.....
36745-sheep-China .....T.....
36785-sheep-China .....T.....
34025-sheep-China .....T.....
34034-sheep-China .....T.....
19141-yak-China .....T.....
19142-yak-China .....T.....
28682-yak-China .....T.....
30241-swamp deer-Nepal .....T.....
30238-swamp deer-Nepal .....T.....
30243-swamp deer-Nepal .....T.....
32563-impala-S.Africa .....T.....
32560-buffaloo-S.Africa .....T.....
31261-human-Turkey .....T.....
37828-human-UK .....
37830-human-UK .....
37827-human-UK .....
31570-sheep-Spain .....T.....
37820-human-UK .....T.....

```



```

37818-human-UK .....
37825-human-UK .....
37829-human-UK .....
16421-human-Peru .....
9870-human-Canada .....
19716-alpaca-Peru .....
35147-goat-Algeria .....
18868-chipmunk-USA .....
33456-sifaka-USA .....
37822-human-UK .....
37824-human-UK .....
37819-human-UK .....
37202-human-USA .....
37192-human-USA .....
37206-human-USA .....
37191-human-USA .....
34141-human-USA .....
37215-human-USA .....
37201-human-USA .....
37212-human-USA .....
29355-human-USA .....
8512-storm-water-USA .....
8513-storm-water-USA .....
5397-storm-water-USA .....
6140-storm-water-USA .....
8509-storm-water-USA .....
8469-storm-water-USA .....
6141-storm-water-USA .....
8062-storm-water-USA .....
6143-storm-water-USA .....
6144-storm-water-USA .....
8514-storm-water-USA .....
8510-storm-water-USA .....
6317-storm-water-USA .....
7370-storm-water-USA .....
7163-storm-water-USA .....
15529-river-water-USA .....
14874-river-water-USA .....
18371-eastern gray squirrel-US .....
18370-eastern gray squirrel-US .....
14886-eastern gray squirrel-US .....
14223-beaver-USA .....
13266-red squirrel-USA .....
37200-human-USA .....
37203-human-USA .....
37204-human-USA .....
37197-human-USA .....
37217-human-USA .....
37193-human-USA .....
29361-human-USA .....
8774-human-USA .....
37196-human-USA .....
37208-human-USA .....
37216-human-USA .....
37209-human-USA .....
37826-human-UK .....
37833-human-UK .....
22508-river-water-USA .....
13264-woodchuck-USA .....
12963-raccoon-USA .....
36641-porcupine-USA .....
36642-porcupine-USA .....
36638-porcupine via goat-USA .....
36639-porcupine via goat-USA .....
36640-porcupine via goat-USA .....
17654-human-USA .....
17577-human-USA .....
37211-human-USA .....
17574-human-USA .....
37640-field mouse-Slovak Repub GA...A...C...AGA.GA T.CT.GT.T.CA...A...GCC...C.G...T...
37642-field mouse-Slovak Repub GA...A...C...AGA.GA T.CT.GT.T.CA...A...GCC...C.G...T...
37644-field mouse-Slovak Repub GA...A...C...AGA.GA T.CT.GT.T.CA...A...GCC...C.G...T...
37646-field mouse-Slovak Repub GGA..G...GA.ACA.G...T..T.G.T.GG..GT...C...CT...T...T...T...
AF114166-C. parvum-gp60 gene ...CCAG.TCAAA..GAA..CG.A...TAC...CA.AGA.G...AA..AG...CAC...T..A...C...
Clustal Consensus * * * * *

```

```

610 620 630 640 650 660 670 680 690 700
36625-sheep-Brazil TTAGTGGTACTCCAGTTCAACTCTCGAATGTGGACCTTACACCATGCTATATGGACCAGTTGAAGGGGAGACTAACCCCTGCAGCAAGGTATGTCCTCTGG
36624-sheep-Brazil .....
36623-sheep-Brazil .....
36630-sheep-Spain .....
36631-sheep-Spain .....
36633-sheep-Spain .....
36627-sheep-Spain .....
36632-sheep-Spain .....
36626-sheep-Spain .....
36634-sheep-USA .....
36637-sheep-USA .....
37766-sheep-USA .....
36636-sheep-USA .....
37769-sheep-USA .....
37767-sheep-USA .....
37768-sheep-USA .....
37774-sheep-USA .....
37777-sheep-USA .....
37776-sheep-USA .....
37775-sheep-USA .....
37772-sheep-USA .....
37773-sheep-USA .....
37771-sheep-USA .....
6478-hlesbok-Czech Republic .....
6482-nyala-Czech Republic .....

```

34023-sheep-China
36737-sheep-China
34022-sheep-China
38161-sheep-Australia
38157-sheep-Australia
38156-sheep-Australia
38154-sheep-Australia
38153-sheep-Australia
38152-sheep-Australia
34049-sheep-China
37635-sheep-Turkey
34043-sheep-China
34047-sheep-China
34055-sheep-China
34011-sheep-China
34038-sheep-China
34044-sheep-China
34032-sheep-China
34060-sheep-China
34048-sheep-China
36745-sheep-China
36785-sheep-China
34025-sheep-China
34034-sheep-China
19141-yak-China
19142-yak-China
28682-yak-China
30241-swamp deer-Nepal
30238-swamp deer-Nepal
30243-swamp deer-Nepal
32563-impala-S.Africa
32560-buffalalo-S.Africa
31261-human-Turkey
37828-human-UK
37830-human-UK
37827-human-UK
31570-sheep-Spain
37820-human-UK
37811-sheep-UK
37809-sheep-UK
37813-sheep-UK
37815-sheep-UK
37808-equine-UK
36629-sheep-Spain
36628-sheep-Spain
18165-sheep-Peru
37821-human-UK
37818-human-UK
37825-human-UK
37829-human-UK
16421-human-Peru
9870-human-Canada
19716-alpaca-Peru
35147-goat-Algeria
18868-chipmunk-USACGT.....T.....C.....GAAT.....
33456-sifaka-USACGT.....T.....C.....GAAT.....
37822-human-UKCGT.....T.....C.....GAAT.....
37824-human-UKCGT.....T.....C.....GAAT.....
37819-human-UKCGT.....T.....C.....GAAT.....
37202-human-USACGT.....T.....C.....GAAT.....
37192-human-USACGT.....T.....C.....GAAT.....
37206-human-USACGT.....T.....C.....GAAT.....
37191-human-USACGT.....T.....C.....GAAT.....
34141-human-USACGT.....T.....C.....GAAT.....
37215-human-USACGT.....T.....C.....GAAT.....
37201-human-USACGT.....T.....C.....GAAT.....
37212-human-USACGT.....T.....C.....GAAT.....
29355-human-USACGT.....T.....C.....GAAT.....
8512-storm-water-USACGT.....T.....C.....GAAT.....
8513-storm-water-USACGT.....T.....C.....GAAT.....
5397-storm-water-USACGT.....T.....C.....GAAT.....
6140-storm-water-USACGT.....T.....C.....GAAT.....
8509-storm-water-USACGT.....T.....C.....GAAT.....
8469-storm-water-USACGT.....T.....C.....GAAT.....
6141-storm-water-USACGT.....T.....C.....GAAT.....
8062-storm-water-USACGT.....T.....C.....GAAT.....
6143-storm-water-USACGT.....T.....C.....GAAT.....
6144-storm-water-USACGT.....T.....C.....GAAT.....
8514-storm-water-USACGT.....T.....C.....GAAT.....
8510-storm-water-USACGT.....T.....C.....GAAT.....
6317-storm-water-USACGT.....T.....C.....GAAT.....
7370-storm-water-USACGT.....T.....C.....GAAT.....
7163-storm-water-USACGT.....T.....C.....GAAT.....
15529-river-water-USACGT.....T.....C.....GAAT.....
14874-river-water-USACGT.....T.....C.....GAAT.....
18371-eastern gray squirrel-USC.....G.....T.....C.....G.....A.....T.....
18370-eastern gray squirrel-USC.....G.....T.....C.....G.....A.....T.....
14886-eastern gray squirrel-USC.....G.....T.....C.....G.....A.....T.....
14223-beaver-USAC.....G.....T.....C.....G.....A.....T.....
13266-red squirrel-USAC.....G.....T.....C.....G.....A.....T.....
37200-human-USAC.....G.....T.....C.....G.....A.....T.....
37203-human-USAC.....G.....T.....C.....G.....A.....T.....
37204-human-USAC.....G.....T.....C.....G.....A.....T.....
37197-human-USAC.....G.....T.....C.....G.....A.....T.....
37217-human-USAC.....G.....T.....C.....G.....A.....T.....
37193-human-USAC.....G.....T.....C.....G.....A.....T.....
29361-human-USAC.....G.....T.....C.....G.....A.....T.....
8774-human-USAC.....G.....T.....C.....G.....A.....T.....
37196-human-USAC.....G.....T.....C.....G.....A.....T.....
37208-human-USAC.....G.....T.....C.....G.....A.....T.....
37216-human-USAC.....G.....T.....C.....G.....A.....T.....
37209-human-USAC.....G.....T.....C.....G.....A.....T.....
37826-human-UKC.....G.....T.....C.....G.....A.....T.....

17654-human-USACTC..G.T.TG..GA...T.....C.....C.A.....
 17577-human-USACTC..G.T.TG..GA...T.....C.....C.A.....
 37211-human-USACTC..G.T.TG..GA...T.....C.....C.A.....
 17574-human-USACTC..G.T.TG..GA...T.....C.....C.A.....
 37640-field mouse-Slovak Repub..TGG--T.A.....T...C...CA..TA...G..T...A.....G.T...GT.
 37642-field mouse-Slovak Repub..TGG--T.A.....T...C...CA..TA...G..T...A.....G.T...GT.
 37644-field mouse-Slovak Repub..TGG--T.A.....T...C...CA..TA...G..T...A.....G.T...GT.
 37646-field mouse-Slovak Repub..GGG--T.A.....T...A..G...CA...T...A.....G..T...C.....T...
 AF114166-C. parvum-gp60 gene...TGAAAT.GCGG.T.TG.GGGTCAG...TCA.C.AGA.CA...A.CA.T..CAGAGGAAA.C.GT...T.CT...CCGTC...T.G.TTG...
 Clustal Consensus ** *

910 920 930 940 950 960 970 980 990 1000
 T C A C C T T A A A G G G T G G T A A A G C C A T T A G T G T A G G T G T G C C T G C T G G A C G A T T C A A C T A A A A G A G A C A A A T A C A G T T T A T C C G C T G A T A G C C A A A C A T T

36625-sheep-Brazil
 36624-sheep-Brazil
 36623-sheep-Brazil
 36630-sheep-Spain
 36631-sheep-Spain
 36633-sheep-Spain
 36627-sheep-Spain
 36632-sheep-Spain
 36626-sheep-Spain
 36634-sheep-USA
 36637-sheep-USA
 37766-sheep-USA
 36636-sheep-USA
 37769-sheep-USA
 37767-sheep-USA
 37768-sheep-USA
 37774-sheep-USA
 37777-sheep-USA
 37776-sheep-USA
 37775-sheep-USA
 37772-sheep-USA
 37773-sheep-USA
 37771-sheep-USA
 6478-blesbok-Czech Republic
 6482-nyala-Czech Republic
 34023-sheep-China
 36737-sheep-China
 34022-sheep-China
 38161-sheep-Australia
 38157-sheep-Australia
 38156-sheep-Australia
 38154-sheep-Australia
 38153-sheep-Australia
 38152-sheep-Australia
 34049-sheep-China
 37635-sheep-Turkey
 34043-sheep-China
 34047-sheep-China
 34055-sheep-China
 34011-sheep-China
 34038-sheep-China
 34044-sheep-China
 34032-sheep-China
 34060-sheep-China
 34048-sheep-China
 36745-sheep-China
 36785-sheep-China
 34025-sheep-China
 34034-sheep-China
 19141-yak-China
 19142-yak-China
 28682-yak-China
 30241-swamp deer-Nepal
 30238-swamp deer-Nepal
 30243-swamp deer-Nepal
 32563-impala-S.Africa
 32560-buffallo-S.Africa
 31261-human-Turkey
 37828-human-UK
 37830-human-UK
 37827-human-UK
 31570-sheep-Spain
 37820-human-UK
 37811-sheep-UK
 37809-sheep-UK
 37813-sheep-UK
 37815-sheep-UK
 37808-equine-UK
 36629-sheep-Spain
 36628-sheep-Spain
 18165-sheep-Peru
 37821-human-UK
 37818-human-UK
 37825-human-UK
 37829-human-UK
 16421-human-Peru
 9870-human-Canada
 19716-alpaca-Peru
 35147-goat-Algeria
 18868-chipmunk-USA
 33456-sifaka-USA
 37822-human-UK
 37824-human-UK
 37819-human-UK
 37202-human-USA
 37192-human-USA
 37206-human-USA
 37191-human-USA
 34141-human-USA
 37215-human-USA

34060-sheep-China
34048-sheep-China
36745-sheep-China
36785-sheep-China
34025-sheep-China
34034-sheep-China
19141-yak-China
19142-yak-China
28682-yak-China
30241-swamp deer-Nepal
30238-swamp deer-Nepal
30243-swamp deer-Nepal
32563-impala-S.Africa
32560-buffalalo-S.Africa
31261-human-Turkey
37828-human-UK
37830-human-UK
37827-human-UK
31570-sheep-Spain
37820-human-UK
37811-sheep-UK
37809-sheep-UK
37813-sheep-UK
37815-sheep-UK
37808-equine-UK
36629-sheep-Spain
36628-sheep-Spain
18165-sheep-Peru
37821-human-UK
37818-human-UK
37825-human-UK
37829-human-UK
16421-human-Peru
9870-human-Canada
19716-alpaca-Peru
35147-goat-Algeria
18868-chipmunk-USA
33456-sifaka-USA
37822-human-UK
37824-human-UK
37819-human-UK
37202-human-USA
37192-human-USA
37206-human-USA
37191-human-USA
34141-human-USA
37215-human-USA
37201-human-USA
37212-human-USA
29355-human-USA
8512-storm-water-USA
8513-storm-water-USA
5397-storm-water-USA
6140-storm-water-USA
8509-storm-water-USA
8469-storm-water-USA
6141-storm-water-USA
8062-storm-water-USA
6143-storm-water-USA
6144-storm-water-USA
8514-storm-water-USA
8510-storm-water-USA
6317-storm-water-USA
7370-storm-water-USA
7163-storm-water-USA
15529-river-water-USA
14874-river-water-USA
18371-eastern gray squirrel-US
18370-eastern gray squirrel-US
14886-eastern gray squirrel-US
14223-beaver-USA
13266-red squirrel-USA
37200-human-USA
37203-human-USA
37204-human-USA
37197-human-USA
37217-human-USA
37193-human-USA
29361-human-USA
8774-human-USA
37196-human-USA
37208-human-USA
37216-human-USA
37209-human-USA
37826-human-UK
37833-human-UK
22508-river-water-USA
13264-woodchuck-USA
12963-raccoon-USA
36641-porcupine-USA
36642-porcupine-USA
36638-porcupine via goat-USA
36639-porcupine via goat-USA
36640-porcupine via goat-USA
17654-human-USA
17577-human-USA
37211-human-USA
17574-human-USA
37640-field mouse-Slovak Repub
37642-field mouse-Slovak Repub
37644-field mouse-Slovak Repub
37646-field mouse-Slovak Repub
AF114166-C. parvum-gp60 gene

Technical Appendix Figure. Nucleotide alignment of the 60-kDa glycoprotein (gp60) gene of *Cryptosporidium ubiquitum*. Dots denote nucleotide identity to the sequence of specimen no. 36625, and dashes denote nucleotide deletions.