

Figure S2. Alignment of *impdh* CDS and genomic sequences of the two *P.jirovecii* genome assemblies (Ma *et al.*, 2016, indicated as Ma ; Cissé *et al.*, 2012, indicated as Cisse) [17,18]. Residues shown in bold and highlighted in grey are synonymous SNPs. Dashes indicate gaps. Nucleotide positions where SNPs were identified in the present study are indicated with asterisks.

Pj_impdh_Ma_genomic	ATGGAGGAATTAGAAACAGAAGAATATTTAAGTGAATGTAAAGCTGAAGAAGCAAAGGAAAAAACTTAAAG	70
Pj_impdh_Ma_CDS	ATGGAGGAATTAGAAACAGAAGAATATTTAAGTGAATGTAAAGCTGAAGAAGCAAAGGAAAAAACTTAAAG	70
Pj_impdh_Cisse_genomic	ATGGAGGAATTAGAAACAGAAGAATATTTAAGTGAATGTAAAGCTGAAGAAGCAAAGGAAAAAACTTAAAG	70
Pj_impdh_Cisse_CDS	ATGGAGGAATTAGAAACAGAAGAATATTTAAGTGAATGTAAAGCTGAAGAAGCAAAGGAAAAAACTTAAAG	70
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Pj_impdh_Ma_genomic	AATATGCAGAAAAAGTATGTAAATCAGAGTATTTTTATTGAAAATTAACAAAAATAAAAGGATGGATTA	140
Pj_impdh_Ma_CDS	AATATGCAGAAAAAG-----ATGGATTA	93
Pj_impdh_Cisse_genomic	AATATGCAGAAAAAGTATGTAAATCAGAGTATTTTTATTGAAAATTAACAAAAATAAAAGGATGGATTA	140
Pj_impdh_Cisse_CDS	AATATGCAGAAAAAG-----ATGGATTA	93
Pj_impdh_Ma_genomic	GACGTGAATACTCTTATTCTTAGCCGGGTCAATGGAGGATTAACATATAATGATATAATTATTCTTCCGG	210
Pj_impdh_Ma_CDS	GACGTGAATACTCTTATTCTTAGCCGGGTCAATGGAGGATTAACATATAATGATATAATTATTCTTCCGG	163
Pj_impdh_Cisse_genomic	GACGTGAATACTCTTATTCTTAGCCGGGTCAATGGAGGATTAACATATAATGATATAATTATTCTTCCGG	210
Pj_impdh_Cisse_CDS	GACGTGAATACTCTTATTCTTAGCCGGGTCAATGGAGGATTAACATATAATGATATAATTATTCTTCCGG	163
Pj_impdh_Ma_genomic	GATATATTGATTTTGATGCAAGCTCAGTATCTCTTGAAAGTCGTATTACGAGAAATATAGTTATAAAAAAC	280
Pj_impdh_Ma_CDS	GATATATTGATTTTGATGCAAGCTCAGTATCTCTTGAAAGTCGTATTACGAGAAATATAGTTATAAAAAAC	233
Pj_impdh_Cisse_genomic	GATATATTGATTTTGATGCAAGCTCAGTATCTCTTGAAAGTCGTATTACGAGAAATATAGTTATAAAAAAC	280
Pj_impdh_Cisse_CDS	GATATATTGATTTTGATGCAAGCTCAGTATCTCTTGAAAGTCGTATTACGAGAAATATAGTTATAAAAAAC	233
Pj_impdh_Ma_genomic	GCCATTTATGAGGTTTTCATGTTATTTTTATTGCTAGAGTATTAATGTATAGTTCTCCAATGGATACTGT	350
Pj_impdh_Ma_CDS	GCCATTTATGAG-----TTCTCCAATGGATACTGT	263
Pj_impdh_Cisse_genomic	GCCATTTATGAGGTTTTCATGTTATTTTTATTGCTAGAGTATTAATGTATAGTTCTCCAATGGATACTGT	350
Pj_impdh_Cisse_CDS	GCCATTTATGAG-----TTCTCCAATGGATACTGT	263
Pj_impdh_Ma_genomic	TACTGAATCGGATATGGCGATTAACATGGCACTCCTAGGGGGCATTGGAGTTATTACCATAAATTGTACA	420
Pj_impdh_Ma_CDS	TACTGAATCGGATATGGCGATTAACATGGCACTCCTAGGGGGCATTGGAGTTATTACCATAAATTGTACA	333
Pj_impdh_Cisse_genomic	TACTGAATCGGATATGGCGATTAACATGGCACTCCTAGGGGGCATTGGAGTTATTACCATAAATTGTACA	420
Pj_impdh_Cisse_CDS	TACTGAATCGGATATGGCGATTAACATGGCACTCCTAGGGGGCATTGGAGTTATTACCATAAATTGTACA	333
Pj_impdh_Ma_genomic	ATAGAAGAACAGACGGAATGGTTAGAAAAGTTAAAAAATTGAAAATGGATTTATAACATCACCTATTG	490
Pj_impdh_Ma_CDS	ATAGAAGAACAGACGGAATGGTTAGAAAAGTTAAAAAATTGAAAATGGATTTATAACATCACCTATTG	403
Pj_impdh_Cisse_genomic	ATAGAAGAACAGACGGAATGGTTAGAAAAGTTAAAAAATTGAAAATGGATTTATAACATCACCTATTG	490
Pj_impdh_Cisse_CDS	ATAGAAGAACAGACGGAATGGTTAGAAAAGTTAAAAAATTGAAAATGGATTTATAACATCACCTATTG	403
Pj_impdh_Ma_genomic	TATTGTCACCAAACACAGAGTGGTTGATGTTTCGTAAAATAAAAGAAGAGCTTGGATTAGTGGGATTCC	560
Pj_impdh_Ma_CDS	TATTGTCACCAAACACAGAGTGGTTGATGTTTCGTAAAATAAAAGAAGAGCTTGGATTAGTGGGATTCC	473
Pj_impdh_Cisse_genomic	TATTGTCACCAAACACAGAGTGGTTGATGTTTCGTAAAATAAAAGAAGAGCTTGGATTAGTGGGATTCC	560
Pj_impdh_Cisse_CDS	TATTGTCACCAAACACAGAGTGGTTGATGTTTCGTAAAATAAAAGAAGAGCTTGGATTAGTGGGATTCC	473
Pj_impdh_Ma_genomic	AATAACAGGTAACATATAAAAAATATAGACTGAAAATATGATGAATTTATTTTTTAACTTTTCGTTCTACC	630
Pj_impdh_Ma_CDS	AATAACAG-----	481
Pj_impdh_Cisse_genomic	AATAACAGGTAACATATAAAAAATATAGACTGAAAATATGATGAATTTATTTTTTAACTTTTCGTTCTACC	630
Pj_impdh_Cisse_CDS	AATAACAG-----	481
Pj_impdh_Ma_genomic	GTATATCACTTATTAGTTGTGTGGAACATTATCTGATTGGTTTAAATATATATCATTATATGCGATG	700
Pj_impdh_Ma_CDS	-----	481
Pj_impdh_Cisse_genomic	GTATATCACTTATTAGTTGTGTGGAACATTATCTGATTGGTTTAAATATATATCATTATATGCGATG	700
Pj_impdh_Cisse_CDS	-----	481
Pj_impdh_Ma_genomic	GATAATAATAATGTGTCTAGATACAGGAAAACTCAACGGGAAGCTTTTGGGGATTGTTACGTTTAGAGAT	770
Pj_impdh_Ma_CDS	-----ATACAGGAAAACTCAACGGGAAGCTTTTGGGGATTGTTACGTTTAGAGAT	531
Pj_impdh_Cisse_genomic	GATAATAATAATGTGTCTAGATACAGGAAAACTCAACGGGAAGCTTTTGGGGATTGTTACGTTTAGAGAT	770
Pj_impdh_Cisse_CDS	-----ATACAGGAAAACTCAACGGGAAGCTTTTGGGGATTGTTACGTTTAGAGAT	531
Pj_impdh_Ma_genomic	ATTACAGTTTCATGTTAACGATTCTTCATTACTTTTCGGAAGTCATGACAAAAGATTTAGTAACAGGATCAG	840
Pj_impdh_Ma_CDS	ATTACAGTTTCATGTTAACGATTCTTCATTACTTTTCGGAAGTCATGACAAAAGATTTAGTAACAGGATCAG	601
Pj_impdh_Cisse_genomic	ATTACAGTTTCATGTTAACGATTCTTCATTACTTTTCGGAAGTCATGACAAAAGATTTAGTAACAGGATCAG	840
Pj_impdh_Cisse_CDS	ATTACAGTTTCATGTTAACGATTCTTCATTACTTTTCGGAAGTCATGACAAAAGATTTAGTAACAGGATCAG	601
Pj_impdh_Ma_genomic	AGGGTATTACCCCTTGAAGAGGCAAATGAAATCCTCCGTTCTTCTAAAAAAGGGAAATTGCCTATAGTTGA	910
Pj_impdh_Ma_CDS	AGGGTATTACCCCTTGAAGAGGCAAATGAAATCCTCCGTTCTTCTAAAAAAGGGAAATTGCCTATAGTTGA	671
Pj_impdh_Cisse_genomic	AGGGTATTACCCCTTGAAGAGGCAAATGAAATCCTCCGTTCTTCTAAAAAAGGGAAATTGCCTATAGTTGA	910
Pj_impdh_Cisse_CDS	AGGGTATTACCCCTTGAAGAGGCAAATGAAATCCTCCGTTCTTCTAAAAAAGGGAAATTGCCTATAGTTGA	671
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Pj_impdh_Ma_genomic	TAAGAATGGGAATCTTACAGCTCTTCTTTCTCGCTCTGATTTAATGAAAAATCTTCATTTCCCATTTATCA	980
Pj_impdh_Ma_CDS	TAAGAATGGGAATCTTACAGCTCTTCTTTCTCGCTCTGATTTAATGAAAAATCTTCATTTCCCATTTATCA	741
Pj_impdh_Cisse_genomic	TAAGAATGGGAATCTTACAGCTCTTCTTTCTCGCTCTGATTTAATGAAAAATCTTCATTTCCCATTTATCA	980
Pj_impdh_Cisse_CDS	TAAGAATGGGAATCTTACAGCTCTTCTTTCTCGCTCTGATTTAATGAAAAATCTTCATTTCCCATTTATCA	741
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Pj_impdh_Ma_genomic	TCTAAATTACCCGACTCTAAACAATTAATTTGTGCAGCAGCAGTTGGAACACGACCTGAAGATAGAATTA	1050
Pj_impdh_Ma_CDS	TCTAAATTACCCGACTCTAAACAATTAATTTGTGCAGCAGCAGTTGGAACACGACCTGAAGATAGAATTA	811
Pj_impdh_Cisse_genomic	TCTAAATTACCCGACTCTAAACAATTAATTTGTGCAGCAGCAGTTGGAACACGACCTGAAGATAGAATTA	1050
Pj_impdh_Cisse_CDS	TCTAAATTACCCGACTCTAAACAATTAATTTGTGCAGCAGCAGTTGGAACACGACCTGAAGATAGAATTA	811

Pj_impdh_Ma_genomic	GATTAAAAATATTTAGTTGACGCGGGATTAGACATTGTTGTTCTAGATTCAAGTCAGGGGAATTCTATCTA	1120
Pj_impdh_Ma_CDS	GATTAAAAATATTTAGTTGACGCGGGATTAGACATTGTTGTTCTAGATTCAAGTCAGGGGAATTCTATCTA	881
Pj_impdh_Cisse_genomic	GATTAAAAATATTTAGTTGACGCGGGATTAGACATTGTTGTTCTAGATTCAAGTCAGGGGAATTCTATCTA	1120
Pj_impdh_Cisse_CDS	GATTAAAAATATTTAGTTGACGCGGGATTAGACATTGTTGTTCTAGATTCAAGTCAGGGGAATTCTATCTA	881
Pj_impdh_Ma_genomic	TCAAATTAATATGATTAAATGGATAAAAAAGGAATTTCTGGTTTGTAGAAATATAGCTGGAACGTTGTA	1190
Pj_impdh_Ma_CDS	TCAAATTAATATGATTAAATGGATAAAAAAGGAATTTCTGGTTTGTAGAAATATAGCTGGAACGTTGTA	951
Pj_impdh_Cisse_genomic	TCAAATTAATATGATTAAATGGATAAAAAAGGAATTTCTGGTTTGTAGAAATATAGCTGGAACGTTGTA	1190
Pj_impdh_Cisse_CDS	TCAAATTAATATGATTAAATGGATAAAAAAGGAATTTCTGGTTTGTAGAAATATAGCTGGAACGTTGTA	951
Pj_impdh_Ma_genomic	ACTAGAGAACAAGCTGCTAATTTAATATCAGCTGGAGCAGACGCATTGCGAATAGGTATGGGATCAGGGT	1260
Pj_impdh_Ma_CDS	ACTAGAGAACAAGCTGCTAATTTAATATCAGCTGGAGCAGACGCATTGCGAATAGGTATGGGATCAGGGT	1019
Pj_impdh_Cisse_genomic	ACTAGAGAACAAGCTGCTAATTTAATATCAGCTGGAGCAGACGCATTGCGAATAGGTATGGGATCAGGGT	1260
Pj_impdh_Cisse_CDS	ACTAGAGAACAAGCTGCTAATTTAATATCAGCTGGAGCAGACGCATTGCGAATAGGTATGGGATCAGGGT	1019
Pj_impdh_Ma_genomic	ATATTAATCTATATTTTTTGGAGCTTATAAATTAATATTGTCTAGTTCAATTTGTATAACACAGTAATAAT	1330
Pj_impdh_Ma_CDS	-----TTCAATTTGTATAACACA-----	1037
Pj_impdh_Cisse_genomic	ATATTAATCTATATTTTTTGGAGCTTATAAATTAATATTGTCTAGTTCAATTTGTATAACACAGTAATAAT	1330
Pj_impdh_Cisse_CDS	-----TTCAATTTGTATAACACA-----	1037
Pj_impdh_Ma_genomic	TTTTTTCGTTTAATTATTAAAAATTGATTTTTTGTAGAGAAGTAATGGCAGTTGGGCGGCCCTCAAGTATTT	1400
Pj_impdh_Ma_CDS	-----AGAAGTAATGGCAGTTGGGCGGCCCTCAAG-----	1066
Pj_impdh_Cisse_genomic	TTTTTTCGTTTAATTATTAAAAATTGATTTTTTGTAGAGAAGTAATGGCAGTTGGGCGGCCCTCAAGTATTT	1400
Pj_impdh_Cisse_CDS	-----AGAAGTAATGGCAGTTGGGCGGCCCTCAAG-----	1066
Pj_impdh_Ma_genomic	ATTACTTAATAAGTAGATATTATTACTAATTTCAATATTATAGGCAACAGCTGTTTATGCTGTATCAGAA	1470
Pj_impdh_Ma_CDS	-----CAACAGCTGTTTATGCTGTATCAGAA	1092
Pj_impdh_Cisse_genomic	ATTACTTAATAAGTAGATATTATTACTAATTTCAATATTATAGGCAACAGCTGTTTATGCTGTATCAGAA	1470
Pj_impdh_Cisse_CDS	-----CAACAGCTGTTTATGCTGTATCAGAA	1092
Pj_impdh_Ma_genomic	TTTGCATCTAAATTCGGAGTACCAACTATTGCAGATGGAGGAATCGAAAACATTGGGTAAATAAAAACAT	1540
Pj_impdh_Ma_CDS	TTTGCATCTAAATTCGGAGTACCAACTATTGCAGATGGAGGAATCGAAAACATTG-----	1147
Pj_impdh_Cisse_genomic	TTTGCATCTAAATTCGGAGTACCAACTATTGCAGATGGAGGAATCGAAAACATTGGGTAAATAAAAACAT	1540
Pj_impdh_Cisse_CDS	TTTGCATCTAAATTCGGAGTACCAACTATTGCAGATGGAGGAATCGAAAACATTG-----	1147
Pj_impdh_Ma_genomic	AATATATAATTCATAGATTTATCTAAATAGTCATATAACAAAAGCACTAGCATTAGGAGCATCTGCTGTT	1610
Pj_impdh_Ma_CDS	-----GTCATATAACAAAAGCACTAGCATTAGGAGCATCTGCTGTT	1188
Pj_impdh_Cisse_genomic	AATATATAATTCATAGATTTATCTAAATAGTCATATAACAAAAGCACTAGCATTAGGAGCATCTGCTGTT	1610
Pj_impdh_Cisse_CDS	-----GTCATATAACAAAAGCACTAGCATTAGGAGCATCTGCTGTT	1188
Pj_impdh_Ma_genomic	ATGATGGGCAATCTTTTAGCTGGAACAGCAGAATCTCCTGGTCAATATTATTACAGAGATGGTCAACGTT	1680
Pj_impdh_Ma_CDS	ATGATGGGCAATCTTTTAGCTGGAACAGCAGAATCTCCTGGTCAATATTATTACAGAGATGGTCAACGTT	1258
Pj_impdh_Cisse_genomic	ATGATGGGCAATCTTTTAGCTGGAACAGCAGAATCTCCTGGTCAATATTATTACAGAGATGGTCAACGTT	1680
Pj_impdh_Cisse_CDS	ATGATGGGCAATCTTTTAGCTGGAACAGCAGAATCTCCTGGTCAATATTATTACAGAGATGGTCAACGTT	1258
Pj_impdh_Ma_genomic	TAAAATCATATCGTGAATGGGCTCCATTGATGCTATGGAACATTTATCGGGAAAAGGCAAAGGAGAAAA	1750
Pj_impdh_Ma_CDS	TAAAATCATATCGTGAATGGGCTCCATTGATGCTATGGAACATTTATCGGGAAAAGGCAAAGGAGAAAA	1328
Pj_impdh_Cisse_genomic	TAAAATCATATCGTGAATGGGCTCCATTGATGCTATGGAACATTTATCGGGAAAAGGCAAAGGAGAAAA	1750
Pj_impdh_Cisse_CDS	TAAAATCATATCGTGAATGGGCTCCATTGATGCTATGGAACATTTATCGGGAAAAGGCAAAGGAGAAAA	1328
Pj_impdh_Ma_genomic	TGCCGCATCTAGTCGTTATTTTGGTGAAACAGATACTATTTCGTGTTGCCCAAGGTGTTTCAGGAAGTGTT	1820
Pj_impdh_Ma_CDS	TGCCGCATCTAGTCGTTATTTTGGTGAAACAGATACTATTTCGTGTTGCCCAAGGTGTTTCAGGAAGTGTT	1398
Pj_impdh_Cisse_genomic	TGCCGCATCTAGTCGTTATTTTGGTGAAACAGATACTATTTCGTGTTGCCCAAGGTGTTTCAGGAAGTGTT	1820
Pj_impdh_Cisse_CDS	TGCCGCATCTAGTCGTTATTTTGGTGAAACAGATACTATTTCGTGTTGCCCAAGGTGTTTCAGGAAGTGTT	1398
Pj_impdh_Ma_genomic	GTGGATAAAGGATCATTACATGTATATCTTCCTTATTTACGAACCGGGCTTCAACATTCATTACAAGATA	1890
Pj_impdh_Ma_CDS	GTGGATAAAGGATCATTACATGTATATCTTCCTTATTTACGAACCGGGCTTCAACATTCATTACAAGATA	1468
Pj_impdh_Cisse_genomic	GTGGATAAAGGATCATTACATGTATATCTTCCTTATTTACGAACCGGGCTTCAACATTCATTACAAGATA	1890
Pj_impdh_Cisse_CDS	GTGGATAAAGGATCATTACATGTATATCTTCCTTATTTACGAACCGGGCTTCAACATTCATTACAAGATA	1468
Pj_impdh_Ma_genomic	TCGGGTGTACGAAATTTAACGGAACTAAGAAGACAGGTACGGAAAAAAATGTACGTTTGAACCTTCGGAC	1960
Pj_impdh_Ma_CDS	TCGGGTGTACGAAATTTAACGGAACTAAGAAGACAGGTACGGAAAAAAATGTACGTTTGAACCTTCGGAC	1538
Pj_impdh_Cisse_genomic	TCGGGTGTACGAAATTTAACGGAACTAAGAAGACAGGTACGGAAAAAAATGTACGTTTGAACCTTCGGAC	1960
Pj_impdh_Cisse_CDS	TCGGGTGTACGAAATTTAACGGAACTAAGAAGACAGGTACGGAAAAAAATGTACGTTTGAACCTTCGGAC	1538
Pj_impdh_Ma_genomic	TGTTGCAAGTCAATTAGAAGGGAATGTCCACGGTATTTATCAACTTTTAATTAACCTAATTTAATTTAT	2030
Pj_impdh_Ma_CDS	TGTTGCAAGTCAATTAGAAGGGAATGTCCACGG-----	1571
Pj_impdh_Cisse_genomic	TGTTGCAAGTCAATTAGAAGGGAATGTCCACGGTATTTATCAACTTTTAATTAACCTAATTTAATTTAT	2030
Pj_impdh_Cisse_CDS	TGTTGCAAGTCAATTAGAAGGGAATGTCCACGG-----	1571
Pj_impdh_Ma_genomic	ACTAGGGCTGCATTCTTATAAAAAAGAACTCTGGAGTTGA	2070
Pj_impdh_Ma_CDS	-----GCTGCATTCTTATAAAAAAGAACTCTGGAGTTGA	1605
Pj_impdh_Cisse_genomic	ACTAGGGCTGCATTCTTATAAAAAAGAACTCTGGAGTTGA	2070
Pj_impdh_Cisse_CDS	-----GCTGCATTCTTATAAAAAAGAACTCTGGAGTTGA	1605