

CLUSTAL 2.0.10 multiple sequence alignment

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Dsim      CCTAAACACGGCATAGCCAGCTCCGGCCAATGTGGCCAGGACCACGCCGCTTAGGGTTCG 60
Dsec      CCTAAACACGGCATAGCCAGCTCCGGCCAATGTGGCCAGGACCACGCCGCTTAGGGTTCG 60
Dmel      CCTAAACACGGCATAGCCAGCTCCAGCCAATGTGGCCAAGACCACGCCGCTCAGGGTTCG 60
Dyak      CCTAAACACGGCATAGCCAGCTCCGGCCAATGTGGCCAGGACCACGCCGCTCAGGGTTCG 60
Dere      CCTAAACACGGCATAGCCAGCTCCGGCCAATGTGGCCAGGACCACGCCGCTCAGGGTTCG 60
dmoj      CCTAAACACGGCATAGCCGGCTGCAGCTAACGTGGCCAACACGACCCCGCTAACGTTTCG 60
Dvir      CCTAAACACGGCATAGCCGGCAGCAGCTAACGTGGCCAGCAGACGCCGCCCAATGTGCG 60
Dwil      CCTGAATACAGCATAACCGGCAGCGGACAATGTGGCCAGCACAACGCCGCCAAGTGTACG 60
dana      CCTAAACACGGCATAGCCGGCACCGGCCAGTGTGGCCAGGACAACGCCGCTCAGGGTGCG 60
Dpseu     CCGGAACACGGCATAGCCGGCGCCGGCCAGTGTGGCCAGAACGACGCCGCTCAGAGTCCG 60
Dgrim     CCTAAACACGGCATAACCGGCAGCAGCTAACGTGGCCAAAACAACGCCACCCAATGTGCG 60
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Dsim      GCTTTCCGTAATTCCATCCATGTAGGCTAGCAACGCTATTCCTGTGTGTCGCAGAGTATAAT 120
Dsec      GCTTTCCGTAATTCCATCCATGTAGGCTAGCAACGCTATTCCTGTGTGTCGCAGAGTATAAT 120
Dmel      GCTTTCCGTAATTCCATCCATATAGGCTAGCAACGCTATTCCTGTGTGTCGCAAAGTATAAT 120
Dyak      GCTTTCCGTGATTCCATCCATGTAGGCTAGCAACGCTATTCCTGTGTGTCGCAAAGTATAAT 120
Dere      GCTTTCCGTGATCCCATCCATGTAGGCTAGCAACGCTATGCCTGTGTGTCGCAGAGTATAAT 120
dmoj      ACTCTCCGTAATGCCGTCCATGTAGGCGAGCAGCGCAATGCCCGTGTGTCGCACAGGATAAC 120
Dvir      ACTCTCCGTAATGCCGTCCATATAGGCCAAGCAGAGCAATGCCCGTGTGTCGCACAGGATAAC 120
Dwil      GCTCTCTGTGATGCCATCCATATAGGCCAGCAGTGCATGCCCGTGTGTCGCAGAGGATAAC 120
dana      GCTCTCCGTGATCCCGTCCATGTAGGCCAGCAGGGCGATGCCCGTGTGTCGCAGAGAATGAT 120
Dpseu     ACTCTCGGTGATGCCGTCCATGTAGGCGAGCAGTGCATGCCCGTATCGCACAGAATGAT 120
Dgrim     ACTCTCCGTGATGCCGTCCATATAGGCCAAGCAACGCGATGCCAGTGTGTCGCACAGGATAAC 120
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Dsim      GGCCACGATCTGCAAGATTCAAATTT-----TGTATAATATTTTTAAAAT 166
Dsec      GGCCACGATCTGCAAAATTCAAATTT-----TGTATAATATTTTTAAAAT 166
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Dmel	GGCCACGATCTGCAAAATAGGGGAGTGA-----TATGGGGAGTTTTGTAAAT	167
Dyak	GGCCACTATCTGCAACATAAGGGAGTTAGTCACTTG---CTCACAAATTATTCTAAAATT	177
Dere	GGCCACGATCTGCAACATAAGGGAGCGATTATGCTAGGATTTGTATGATATTTTAGAACT	180
dmoj	AGCCACAATCTAAGGTAGACATGGTTCACGTTGTTATTTTGCCTAGAAAATG-----	172
Dvir	GGCCACAATCTAAGGTAGGTATTGTTATTTTGGCCAATGTGCCATG-----	166
Dwil	AGCCACAATCTGAAAATGGAAGCCATGTAATGCGATTTGATTAGAT-----	166
dana	GGCCACGATCTGTAAAATATAATAATGAGCT-----AGGATTTTC-----	159
Dpseu	GGCGACAATCTAGACGAATCACATTGGGCATTATGCAAAGACGAGA-----	166
Dgrim	GGCCACAATCTAAGAATATTTGTTATTATTTATATGCTATTGAGCGGCTGGGCATAGTTG	180

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Dsim	AACTCAAAGGAAATAATTTATTTACAAAGAATTGTAATAACATCACATTATCA-----	219
Dsec	AACTCAAAGGAAATGATTTATTTACAAAGAATTGTAATAACATCACATTATCA-----	219
Dmel	AACTCAAAGGAAATTATTGATTTACAAAGAATTGTAATAACATATTATTATCA-----	220
Dyak	AAATTAATAACTTGTTTTATTTGCAAGGAATTGCACAAATTTCTGATTGCGT----TAA	233
Dere	AAATTAGGAAATGTGCTTTAGATACTTAGAATTGTAAAACTTTTGTGTTGCCCCCTATGC	240
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	GGGCTTGTAAACTAGAGATGGGCGTTCATATAATAATTTAATAATTATAAAAA-----	233

Dsim	-----TAATCATAATCACTATGGTGTA	241
Dsec	-----TAATCATAATCACTATGGTGTA	241
Dmel	-----TAATCATTACACTATGGTGTA	241
Dyak	GTAACAAAAACATTAACATGGAATGGTACTAAGCAAATATTTTGTAGGCTTAAGAGAC	293
Dere	ATAATCATTGCACTGTGCTGTAGAGTAGAGTAGCAATACATTTTTTTAGGCTTAAATACAT	300
dmoj	-----	
Dvir	-----	

Dwil -----
dana -----
Dpseu -----
Dgrim -----

Dsim GAAAATAAAGGATATTCACGTCAAAC TTTGAATATACGAAAAATTCATATTGTTTCAAC- 300
Dsec GAAAATAAAGGATATTCACGTCAAAC TTCGAATATAAGAAAAATTCATATTGTTTCAAC- 300
Dmel GAAAATAAAGGATTTTGA CTTCAAAC TTTCAAATGTAAGAAAAATTCATATTGTTTCAAG- 300
Dyak ATTCAAAGACT---TTCACGTCAAACATCAGATGTATGAAAACTAATTACTTTTCAACT 350
Dere TTTT TAGGCTCGAATCAACGTCAAACATCAGATATATGAAAACCTAATTTTTCAACCA-- 358
dmoj -----
Dvir -----
Dwil -----
dana -----
Dpseu -----
Dgrim -----

Dsim -----AAAATAACTGCTTGCAAGCAAACATTATATTTTG-TTGCCTGCTAACTAA 349
Dsec -----AAAATAACTGCTGGCAAGCAAACATTATATTTCTGGTTGCCTGCTAACTAA 350
Dmel -----TAAATAACTTGT CACAAGCAAATTGTTGTTTTGTTTTGCCTGCTAACTAA 350
Dyak TTACTTTTCAAATAACTAACTGGTCGCAAGCAAGTATAGATTGCTCTGCCCCTAGCAAG 410
Dere -----AGAATATTCAATATTCAAGCGAGAGTATATTGTTCTGCCCCTAACTAA 407
dmoj -----
Dvir -----
Dwil -----
dana -----
Dpseu -----
Dgrim -----

Dsim	TCCAAAGGATGTCCTCACGCTACGATCGAGCTATAACCATATTCTCGCCGGATGGCCACC	409
Dsec	TCCAAAGGATGTCCTCACGCTACGATCGAGCTATAACCATATTCTCGCCGGATGGCCACC	410
Dmel	CCCAAAGGATGTCCTCACGCTACGGTCGAGCTCTAACCATATTCTCGCCGGATGGCCACC	410
Dyak	TCCCAAGGATGTCCTCACGCTACGACCGAGCTGTTACCATATTCTCGCCGGATGGCCACC	470
Dere	TCCCAAGGATGTCCTCACGCTACGATCGAGCTGTTACCATATTCTCGCCGGATGGCCACT	467
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	-----	

Dsim	TGTTGCAGGTGGAGTACGCCCAGGAAGCTGTTTCGAAAGGGTTCCACAGCGGTTGGCGTTC	469
Dsec	TGTTGCAGGTGGAGTACGCCCAGGAAGCTGTTTCGAAAGGGTTCCACAGCGGTTGGCGTTC	470
Dmel	TGTTGCAGGTGGAGTACGCCCAGGAAGCTGTTTCGAAAGGGCTCCACAGCGGTCGGCGTTC	470
Dyak	TGTTGCAGGTGGAGTACGCCCAGGAAGCTGTTTCGAAAGGGCTCCACGGCGGTTGGGGTGC	530
Dere	TGTTGCAGGTGGAGTACGCCCAGGAAGCTGTTTCGCAAGGGCTCCACAGCGGTTGGGGTTC	527
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	-----	

Dsim	GTGGAGCCAATTGCGTGCTGGGCGTGGAGAAGAGCTCGGTGTCCCCGATGCAGGAGG	529
Dsec	GTGGAGCCAATTGCGTGCTGGGCGTGGAGAAGAGCTCGGTGTCCCCGATGCAGGAGG	530
Dmel	GTGGAGCCAATTGTGTGGTGTGGGCGTGGAGAAGAGCTCGGTGTCCGAGATGCAGGAGG	530
Dyak	GTGGAGCCAATTGCGTGCTGGGCGTGGAGAAGAGCTCGGTGTCCAAGATGCAGGAGT	590

Dere GTGGAGCCAATTGCGTGGTGCTAGGCGTGGAGAAGAGCTCGTTGTCCAAGATGCAGGAGG 587
dmoj -----
Dvir -----
Dwil -----
dana -----
Dpseu -----
Dgrim -----TGATCCACTTAGAAAAAAGA 255

Dsim ATCGAACGGTGCAAAAGATCAGCATGCTCGACAAGCACGTTGCGTTGGCATTGCGCGGTC 589
Dsec ATCGAACGGTGCAAAAGATCAGCATGCTCGACAAGCACGTTGCGTTGGCATTGCGCGGTC 590
Dmel ATCGAACGGTGCGCAAGATCAGCATGCTCGATCGCCACGTGGCGTTGGCATTGCGCGGTC 590
Dyak ACCGAACGGTGCGCAAGATCACCATGCTCGACAACCACGTGGCGTTGGCATTGCGCGGTC 650
Dere ACCGCACGGTGCGCAAGATCACCATGCTCGACAACCACGTGGCGTTGGCATTGCGCGGTC 647
dmoj -----
Dvir -----
Dwil -----
dana -----
Dpseu -----
Dgrim AACGCATACAAATGAAAATCGTACTAAAAATTTGGTTTTTCTTATTTTTAGAAATTGTCA 315

Dsim TCACGGCCGATGCACGGATCCTAATAAATCGAGGGCAGATGGAGTGCCAGAGCCATCGAC 649
Dsec TCACGGCCGATGCACGGATCCTAATAAATCGAGGGCAGATGGAGTGCCAGAGCCATCGAC 650
Dmel TCACGGCCGATGCACGGATCCTTATAAATCGAGGGCAGGTTCGAGTGCCAGAGCCATCGAC 650
Dyak TTACAGCCGATGCACGGATCCTAATAAATCGAGGGCAGGTTCGAGTGCCAGAGCCATCGTC 710
Dere TTACGGCCGATGCACGGATCCTAATAAATCGAGGGCAGGTTCGAGTGCCAGAGCCATCGCC 707
dmoj -----
Dvir -----
Dwil -----
dana -----

Dpseu -----
Dgrim CTACCAAAAATATTTTTTTCTTAAATATTCCCTTAAAAATACTTTCTATTATTAAAAAGTA 375

Dsim TCAACTTCGACAAACCGGTGACCCCGAGTACATCACCAGATACATTGCTCAGTTTAAGC 709

Dsec TCAACTTCGACAACCCGGTGAACCCCGAGTACATCACCAGATACATTGCCAGCATAAGC 710

Dmel TCAACTTCGAAAACCGGTGACCCTCGAGTACATCACCAGATACCTTGCCCAGCTCAAGC 710

Dyak TCAACTTCGAAAACGCGGTGACTCTCGAGTACATCACCAGATACATTGCCAGCTCAAGC 770

Dere TGAACCTTGAAAAGGCGGTGACCCTCGAGTACATCACCAGATACATTGCCAGCTCAAGC 767

dmoj -----

Dvir -----

Dwil -----

dana -----

Dpseu -----

Dgrim TAAGTGCCAACCATTTTTCTTAGAAAATATATTTTCAGAACTCGACTATCAACTTGTAT 435

Dsim ACAAGTACACTCAGTGCCTGGACGTCGTCTCTTTTCGGAATATCCTGTCTAGTCGGAGGCA 769

Dsec AGAAGTACACTCAGTGCCTGGACGTCGTCTCTTTTCGGAATATCCTGTCTAGTCGGAGGCA 770

Dmel AGAAGTACACGCAGTGCAATGGACGTCGTCTCTTTTCGGTATATCGTGTCTAATAGGAGGCA 770

Dyak AGAAGTACACGCAGAGCAATGGACGTCGTCTCTTTTCGGGATATCCTGTCTAATCGGAGGCA 830

Dere AGAAGTACACGCAGAGCAATGGACGTCGTCTCTTTTCGGCATATCCTGTCTCATTGGAGGCA 827

dmoj -----

Dvir -----

Dwil -----

dana -----

Dpseu -----

Dgrim ATTAGAGAAAACTCGAATCTAAGAACTCTAATGTAAGAATTCTATGCACACATAGAAA 495

Dsim TTGACGCCGATGGCTCTGCACGTCTCTCCACACGGAACCATCCGGGATATTCTACGAGT 829

Dsec	TTGACGCCGATGGCTCTGCACGTCTCTTCCACACGGAACCATCCGGAATATTCTACGAGT	830
Dmel	TTGACGCCGATGGCTCTGCACGTCTCTTTCATACCGAACCATCCGGGATATTCCACGAGT	830
Dyak	TTGACCCCAATGGCTCTCCACGTCTATTCCACACCGAACCATCCGGTATATTCTACGAGT	890
Dere	TGGACGCCAATGGCTCTGCACGTCTATTCCACACCGAACCATCCGGGATATTCTACGAGT	887
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	ACAAACTCCCTGGAATTCAAACATTTTTCTTTTTAATTTTAGAAAAATTCATTTTGAAAT	555

Dsim	ACAAGGCGATCGCCACTGGGCGTTCGGCAAATACTGTGAGGGAGTTCTTTGAAAAGGCCT	889
Dsec	ACAAGGCGATCTCCACTGGGCGTTCGGCAAATACTGTGAGGGAGTTCTTTGAAAAGGCCT	890
Dmel	ACAAGGCGACCGCCACTGGGCGTTCGGCAAATACTGTGAGGGAGTTTTTTGAGAAGGCCT	890
Dyak	ACAAGGCGAGCGCCACTGGACGTTCGGCAAATACTGTGAAGGAATTCTTTGAAAAGGCCT	950
Dere	ACAAAGCGAGCGCCACTGGACGTTCGGCAAACACTGTGAGGGAATTCTTTGAAAAGGCCT	947
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	TAAGTAATACAAATCCTGGTTTTTCAGACAACCGCAACTTTCATTTTATAAGTTTATTTT	615

Dsim	ATCGCGACCATGAAGTGACAACCAAATGTGAAGCCATCAAAGCTAGCCACGCGTGCCCTTC	949
Dsec	ATCGCGACCATGAAGTGACAACCAAATGTGAAGCCATCAAGCTAGCCACACGAGCCCTTC	950
Dmel	ATAGCGATCATGAAGTGACAACCAAATGTGATGCCATCAAAGCTAGCCATGCGTGCCCTTC	950
Dyak	ATCGTGATGATGAAGTGACCACCAAGTGTGGAGCCATCAAGCTGGCCATGCGTGCCCTTC	1010
Dere	ATCGCGAAGATGAAGTGCCACCAAGTGTGGAGTCATTAAGCTGGCCATGCGTGCCCTTC	1007
dmoj	-----	

Dvir -----
Dwil -----
dana -----
Dpseu -----
Dgrim CTGAATAGTAAGGCCAAGAGACCTTGGGGCCAAAAGTATGCCTAATTTTTTAAAATTCAAG 675

Dsim TCGAGGTAACCCAGTTGGGCCAGAGCCGCCTGGAGGTGGCTGTTTTGGAGAATGGCAAGC 1009
Dsec TCGAGGTAACCCAGTTGGGCCAGAGCCGCCTGGAGGTGGCCGTTTTGGAGAATGGCAAGC 1010
Dmel TCGAAGTAACCCAGATGAGCCAGATGCGCCTGGAGGTGGCCGTATTGGAGAATGGCAAGC 1010
Dyak TCGAAGTCACCCAGTTAGGCCAGAGCCGCCTGGAGGTAGCCGTTTTGGAAAAGGGCAAGC 1070
Dere TCGAAGTCACCCAGTTGGGCCAGAGCCGCCTGGAGGTAGCCGTTTTGGAGAAGGGCAAGC 1067

dmoj -----
Dvir -----
Dwil -----
dana -----
Dpseu -----
Dgrim TCGATTTTGT TTTTATGTATGTTTCGTATTCGTGCCACGAGCT----- 717

Dsim CAATGAAGATGCTGGACAGCTGTGTAATTTTCGGAAATAGTTAAGATCCTTCAGAAGGAAA 1069
Dsec CAATGAAGATGCTGGACAGCTGTGTTATTTTCGGAAATAGTTAAGATCTTTCAGAAGGAAA 1070
Dmel CAATGAAAATGCTGGACAGTGTAGTAATTTTCGGAAATAGTCAAGATCGTTCAGAACGAAA 1070
Dyak CAATGAATATGCTGGACGGCAGTGTAAATGCCGAAATAGTTAAGATCCTTCAAAGGAAA 1130
Dere CGATGAAAATGCTGGACGGCAGTGTAAATGCCGAAATACTTAAGATCCTGCAGAGCGAAA 1127

dmoj -----
Dvir -----
Dwil -----
dana -----
Dpseu -----
Dgrim -----

Dsim	AGGAGCAGGAGCTCCAAGCGAAGGCACATAAAAATGAAGAGATGAAATGCTGTTATCTACA	1129
Dsec	AGGAGCAGGAGCTCCAAGCGAAGGCACATAAAAATGAAGAGATGAAATGCTGTTATCTACA	1130
Dmel	AGGAGC-----TCCAAGCGAAGGCACATAAAAATGAAGAGATGAATTGC---TACACCTA	1121
Dyak	AGGAGCAGGAGCTCCAAAGGAAGACACATAAAAATGAACAAATAAAAC-----	1177
Dere	AGGAGCAGGAGCTCCAAAGGAAGACACATAAAAATGAACAAATGAAATACGGTTATCTAAA	1187
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	-----	

Dsim	CCAATAGTTGATTTTTTATGTTTCATCAAATTGTTTTTGGATATTCATGTTATATTTTAAC	1189
Dsec	CAAATAGTTGATTTTTTATGTTTATCAAATTGTTTT-----	1166
Dmel	CAGATCGTTGATTTTTTATGTTTCATCAAATTGTTATTAGATATTCATGTTATAT-----	1175
Dyak	-----CTACAGATTATTTTTTATATTATTTGCTTTTTGTTTCAAACCTAT-----	1220
Dere	CCAACAGATCGTTTACCTTGCTTTTTTCTTTTCAAGGCTTTTTGGTTCAAATTAATAAATT	1247
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	-----	

Dsim	T---ACAGTTTTTCATCATGTTTTGATGCTTGTGAAGGCTTTTTATCTTTGTATAATGCAGT	1246
Dsec	----GTTTTTTTGGCTTGTGTTTTGATGCTTGTGAAGGCTTTTTATCTTTGTATAATGCAGT	1222
Dmel	----TGTTTTGGAGCTTTGTTTAAATTTTGTGTTTTTGTGTTTTTAAATTAATTA	1230

Dyak	-----TATAATATTTTATATATATATCTTTTTATATTTCTT	1256
Dere	CTAATTAAAATTCAAAGGGGGTAATACTAGTACTCAAATACAGAGATTTTTATAATGCCT	1307
dmoj	-----	
Dvir	-----	
Dwil	-----	
dana	-----	
Dpseu	-----	
Dgrim	-----	

Dsim	AATAAATTAATGTTAAACGCTTTTGAAATTATAACTTTTGAATTTCAAATACAGATAC	1306
Dsec	AATAAATTAAGGTTAAACGCTTTTAAAATTATAACTTTTGAATTTTAAAATTGCAGATAT	1282
Dmel	ATATACAGTTTTAACCATGTTTTGAAAATTATAACTTTTAAATTTCAAATATGCAGATAT	1290
Dyak	TGGAACGTGTGTGTAAGGGG-----GGATCTTGCGGTTGCAGATTG	1297
Dere	TAAAAATGATTGTTACTGGCTTATCAAATCATAATTTGTGGATCCTACCGTTGCAGACAG	1367
dmoj	-----AGGAAAAGGAGCAGCTGGCT	192
Dvir	-----GCACGCTGGGTAGGCGGCT	185
Dwil	-----TTTCGGAGG	175
dana	-----CATTTTAGGACTG	172
Dpseu	-----CAGATGTGGTACA	179
Dgrim	-----ATATAAATATATATTAAGAC	737

Dsim	AAAGTACTCACTCTAACGCCACGAACTGCTCGTGCAGGATCACCAGGATAGCAGGTAC	1366
Dsec	AAAGTACTCACTCTAACGCCACGAACTGCTCGTGCAGGATCACCAGGATAGCAGGTAC	1342
Dmel	AAAGCACTCACTCTAACGCCACGAACTGCTCGTGCAGGATCACCAGGATAGCAGGTAC	1350
Dyak	AAATTACTTACCCTGACGCCACGAACTGCTCGTGCAGGATCACCAGGATAGCAGGTAC	1357
Dere	AAATTACTCACTCTGACGCCACGAACTGCTCGTGGAGGATCACCAGGATAACAGGTAC	1427
dmoj	ATAATACATACCCTAACGCCAACGAACTGCTCATGCAGTATGACCCAAGAGAGTAAATAG	252
Dvir	CCCATACTTACCCTCACGCCAACGAACTGCTCGTGCAGTATGACCCAAGAGAGCAAATAG	245
Dwil	ACCTCACTTACCCGTACGCCACAAATTGTTTCGTGCAGTATAACCCAGGACAACAAGTAG	235

dana	AGAAACTTACTCTGACGCCACAACTGCTCGTGCAGGATCACCCAGGATAGCAGGTAG	232
Dpseu	GATGTACTTACGCGAACGCCACGAACTGCTCGTGCAGGATCACCCAGGAGAGCAGATAG	239
Dgrim	TCGTTACTTACCCTAACGCCAACGAACTGCTCGTGCAATATGACCCAGGAGAGCAAATAG	797
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Dsim	ACGCATGCCACGTTGGTGGCGAACAGTGCCAGGGCATCCGTGGCGTAGAGAACGTGCAGG	1426
Dsec	ACGCATGCCACGTTGGTGGCGAACAGGGCCAGGGCATCCGTGGCGTAGAGTACGTGTAGG	1402
Dmel	ACGCATGCCACGTTGGTGGCGAACAGGGCCAGGGCATCCGTGGCGTAGAGGACGTGCAGG	1410
Dyak	ACGCATGCCACGTTGGTGGCGAACAGGGCCAGGGCATCCGTGGCGTAGAGGACGTGCAGG	1417
Dere	ACGCATGCCACATTGGTGGCGAACAGGGCCAGGGCATCCGTGGCGTAGAGGACGTGCAGG	1487
dmoj	ACACAGGCAACGTTTGTGCAAACAGCGCCAGTGCATCCGTGGCAAAGAGGACGTGCAGC	312
Dvir	ACGCAGGCAACATTTGTGGCGAACAGTGCCAGTGCATCCGTGGCAAAGAGCACGTGCAGC	305
Dwil	ACACAGGCAACATTTGTGGCAAACAGGGCCAGGGCATCGGTGGCAAAGAGGACATGCAGG	295
dana	ACGCAGGCCACATTGGTGGCGAACAGAGCCAGTGCATCCGTGGCGTAGAGCACGTGCAGG	292
Dpseu	ACGCAGGCCACATTGGTGGCGAACAGGGCCAGGGCATCCGTGGCATAAGAGCACGTTTCAGG	299
Dgrim	ACGCAAGCAACGTTTGTGGCAAACAGAGCCAGTGCATCTGTTGCAAAGAGAACATGCAGC	857
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Dsim	GAGAGGGTGTACAGGTAGGTGGTGACCAGCCACAAAATGCAGAAGCAGAGGCAGCGATTG	1486
Dsec	GAGAGGGTGTACAGGTAGGTGGTGACCAGCCACAAAATGCAGAAGCAGAGGCAGCGATTG	1462
Dmel	GACAGGGTGTACAGGTAGGTGGTGACCAGCCACAAAATGCAGAAGCAGAGGCAGCGATTG	1470
Dyak	GAGAGGGTGTACAGGTAGGTGGTGACCAGCCACAAAATGCAGAAGCAGAGGCAGCGATTG	1477
Dere	GAGAGGGTGTACAGGTAGGTGGTGACCAGCCATAGAATGCAGAAGCAGAGGCAGCGATTG	1547
dmoj	GACAGGGTGTACAGGTAGGTGGTCACCAGCCACAGGATGCAAAAAGGATAGACAGCGATTG	372
Dvir	GACAGCGTGTACAGATATGTTGTTACCAGCCACAGGATGCAGAAGGACAGGCAGCGATTG	365
Dwil	GACAGAGTGTACAGATATGTGGTTACCAGCCACAGTATGCAGAATGAGAGGCAGCGATTG	355
dana	GACAGTGTGTAAAGGTAGGTGGTTACCAGCCACAAAATGCAGAAGCAGAGGCAGCGATTG	352
Dpseu	GAGAGCGTATACAGGTAGGTGGTGACCAGCCACAAAATGCAAAAACGAGAGGCAGCGATTG	359
Dgrim	GACAGTGTGTATAGATAGGTGGTCACCAGCCACAGGATGCAAAAAGGATAAGCAACGATTT	917
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Dsim	AGGAAGCGAC	1496
Dsec	AGGAAGCGAC	1472
Dmel	AGGAAGCGAC	1480
Dyak	AGGAAGCGAC	1487
Dere	AGGAAGCGAC	1557
dnoj	AGGAAACGGC	382
Dvir	AGGAAACGGC	375
Dwil	AGAAAGCGTC	365
dana	AGAAAACGAC	362
Dpseu	AGGAAGCGAC	369
Dgrim	AGGAAACGGC	927
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