

## A.1 Multiple Sequence Alignments used for primer design

### Gram Negative PAH-RHD $\alpha$ Multiple Sequence Alignment

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................................................................ 10 20 30 40 50
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GTCGACTCCGGTGGCCAAATCGACGGGAGCACAAGCGTTACAGCATCGGG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740
................................................................ 60 70 80 90 100
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GCTATCGGCCTCAACCGCTGAGACGCATCTACATACCCAAAAGCAATGGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P

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gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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110 120 130 140 150

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| AAGAAGCGTCCGCTGGGAAATCCAAACGATGCCGGATCGTGCGATGCAGGC -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----

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gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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160      170      180      190      200

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GCTGTGGAAACTGGCACCTTGAGCCGGTTGCCGAAACGCGTGTAGATCCCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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210      220      230      240      250

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ACTCCTATGGATTTTCGGCCGCAGCGATCCACTGCCGATGCAATCGCACAT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

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gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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260 270 280 290 300

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TGCTTCAATGCACTGGCGAAACGTGGTTCCGGCGCACTGGGTACTGGAAGG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549

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gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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310 320 330 340 350

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| TGACATTTCGAGGCTGTTTTCGACAATATCAGTCACGATTGGCTGCTCACCA
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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360 370 380 390 400

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| ACGTGCCCATGGATAAGGTGGTTCTGCGCAAATGGCTTCGAGCGGGGTAT
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----

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gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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410 420 430 440 450

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 GTCGATCAGGGAGCCTTGTTCGCAACGGAGGCAGGAACCCCGCAAGGGGG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----

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gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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460 470 480 490 500

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 AATCATCTCTCCGGTACTTGCGAATTGGACGCTGGATGGCCTGGAAGATG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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510 520 530 540 550

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```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 TCGTCCATGCAAGCGTGGCTTCGACAGCGCGCAAGCGTAAGCCATTCAAG
gi|151384|gb|M83949.1|PSE -----

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gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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560 570 580 590 600

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
ATACACGTCGTACGATATGCCGATGACTTCATCATCACAGGGGCCACGCA

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----

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gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                610          620          630          640          650
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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 AGCTGTTCTGCAACATCAGGTCGTCCTGCAATTGAGGCGTTCCTGAAAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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                660          670          680          690          700
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1|

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gi|2189972|dbj|AB004059.1 AGCGTGGACTGGAACCTCTCTGATGAAGAGACTCAGATAACGCATATCTCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 CAAGGCTTCGATTTTCTGGGCCAGAACGTACGCAAGTACGCCGGCAAGCT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1

```

```

gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                                760      770      780      790      800
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ACTCATCACTCCGGCTTGCAAGAGTGTGAAGGCCACTGCTGGATAAGGTGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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                                810      820      830      840      850

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|GGGAAAATCGCGAACGCAAAACAAGGCGGCGACTCAAGCTAACCTTGATCTTG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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860      870      880      890      900
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|ACCCGTGAACCCGGTAAATCCGAGGATGGGCCATGTATCATCGCCATGTTGT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|

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gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          910          920          930          940          950
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CGCCGCCAACGTTTTCGCATGGATCGACCATCAGATTGGCAAAGTGTATG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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          960          970          980          990          1000
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|GGGCTGGGCAGTTTCGTCGGCACGCCATGAAAAATGCCATATTGGGTAAAAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

          1010          1020          1030          1040          1050
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|AACGCTACTTTTCGTGTCGTAGGTCAACGGCACTGGGTTTTTCGCCACTCAG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|

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gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                                1060      1070      1080      1090      1100
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GAGAAAGCGCGCGGCTTGAGTCAACCCGCTTGGCTGTATGCCGCCGCCAG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.

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gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                1110      1120      1130      1140      1150
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TGTTTCGATCGTGCGGCATATCAAAAATATGCAGTGCAGCGAACCCGTTCG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                1160      1170      1180      1190      1200
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ATCCGGCATGGACGTTTTTACCTTGAGCGTCGAAGAGCGCATCGTCAGGTT
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----

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gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     1210      1220      1230      1240      1250
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GCCCAGTCTTACTCAGGCTGCTGGAAGCCTTGAGCCGTATGAGGGGTGAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu

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gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                1260      1270      1280      1290      1300
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TCCCAAGTACGGTTC TTAGGGGAGACAGGGGTGGTAACACCCCTGTTT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                1310      1320      1330      1340      1350
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CCCGACTGAAAGCGCATATCGGAGCCGACGCAGAAATCGGGCCCTGGTACAT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

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gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                                     1360      1370      1380      1390      1400
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CATGTCCCATGCACAGCCGCCAACGTGGCTTGACGTGACGGAAGTTGCCCCAT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|

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gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          1410      1420      1430      1440      1450
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CTGTTGCACGGTGGCGAGAACGTTGTCGTGTGCTTGGGGTTACACCGCGT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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          1460      1470      1480      1490      1500
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| AGAGAAACGGCCCTGAGCACGACGGTCGGCAAAGTGATCTGGCAGATCTGCG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P

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gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                                1510      1520      1530      1540      1550
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CGACGCAGCACCCTACAAGCATTTTGAGCAAACGCAGTGCCCGTACAAGGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254

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```

gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
1560      1570      1580      1590      1600

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```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| CAGGCGCAAGATCGAGAAGGCCAAAGCCCAGGTACGTCGGAAGGTCGAAC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1| -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1| -----
gi|17863948|gb|AF448047.1| -----
gi|17863956|gb|AF448051.1| -----
gi|10953981|gb|AF306429.1| -----
gi|54306270|gb|AY694159.1| -----
gi|10505258|gb|AF295033.1| -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1| -----
gi|35396185|gb|AY367788.1| -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
1610      1620      1630      1640      1650

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| ATCCGTTTCGGGTGATCAAGCGTCAGTTCGGTTATGTGAAGACCCGCTTC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----

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gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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1660 1670 1680 1690 1700

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CGTGTCCCTGGCCAAGAATACGGCGGAATTGACCACACTGTTCCGCGCTGTC -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----

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```

gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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1710 1720 1730 1740 1750

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| GAACTCTGTGGATGGTGCGCCGGCAATTATTGCCTGCTGCGGGAGAGGTG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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1760 1770 1780 1790 1800

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| CGCCCGTGAGTGACAGAAAACCAGGGCTTTGCCTCGGTTATCCAATAACA
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----

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gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GTCGACGCATGATGCAGG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          1810          1820          1830          1840          1850
...|...|...|...|...|...|...|...|...|...|...|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 CAGCGACTGAAAATCGGGCATTTCGGCATCCCTAAGCCGCCCATTTCCGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P ACTGGGCCGATCGCCTCGACCTCTTCGAGCAGAACCCAGGTCGAGGCGGCC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807

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```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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1860 1870 1880 1890 1900  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CTGATGAGCAACTTGTTCGGAGTTTCCCTAAAGCACAAGCGCAAGCCATC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P AGCATGCCGCTCACCGTGCATCTGGAAGGTGTGCCCGCATTCCCGAGTGA

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gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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1910 1920 1930 1940 1950  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 AGAAAAGAGTGCCCTGAGTGTGCTCCAAGATTAGCCCGAAACTAAGGCCGGA
gi|151384|gb|M83949.1|PSE -----

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gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GCAAACCGCAAGCGCGCCCTCTACGCCGGTTGCCGCTTCGCCAAGCCTGC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

1960 1970 1980 1990 2000

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CATGGAAAAAGACCAAGATCACCCATGTGAATGATGGACTTGTTTTTTGTGG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CTCGTGACGGAAGCCGGGTGACGCCATGCCGTTGGTTTCTCCGCCGCACAT
gi|1255665|dbj|D84146.1|P TCGTGACGGAAGCCGGGTGACGCCATGCCGTTGGTTTCTGCCGCCGCACAT
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----

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gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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2010 2020 2030 2040 2050  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 GCCCATCGGATCATTTCGCAAGCGTAGCCGATACGGAGATATGCGTGTGATC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CCGCTGCCGACAGTGCCGCCCCAGCGATCGGCCGCGCCGCTGGTGCCTTC
gi|1255665|dbj|D84146.1|P CCGCTGCCGACAGTGCCGCCCCAGCGATCGGCCGCGCCGCTGGTGCCTTC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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2060 2070 2080 2090 2100  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----

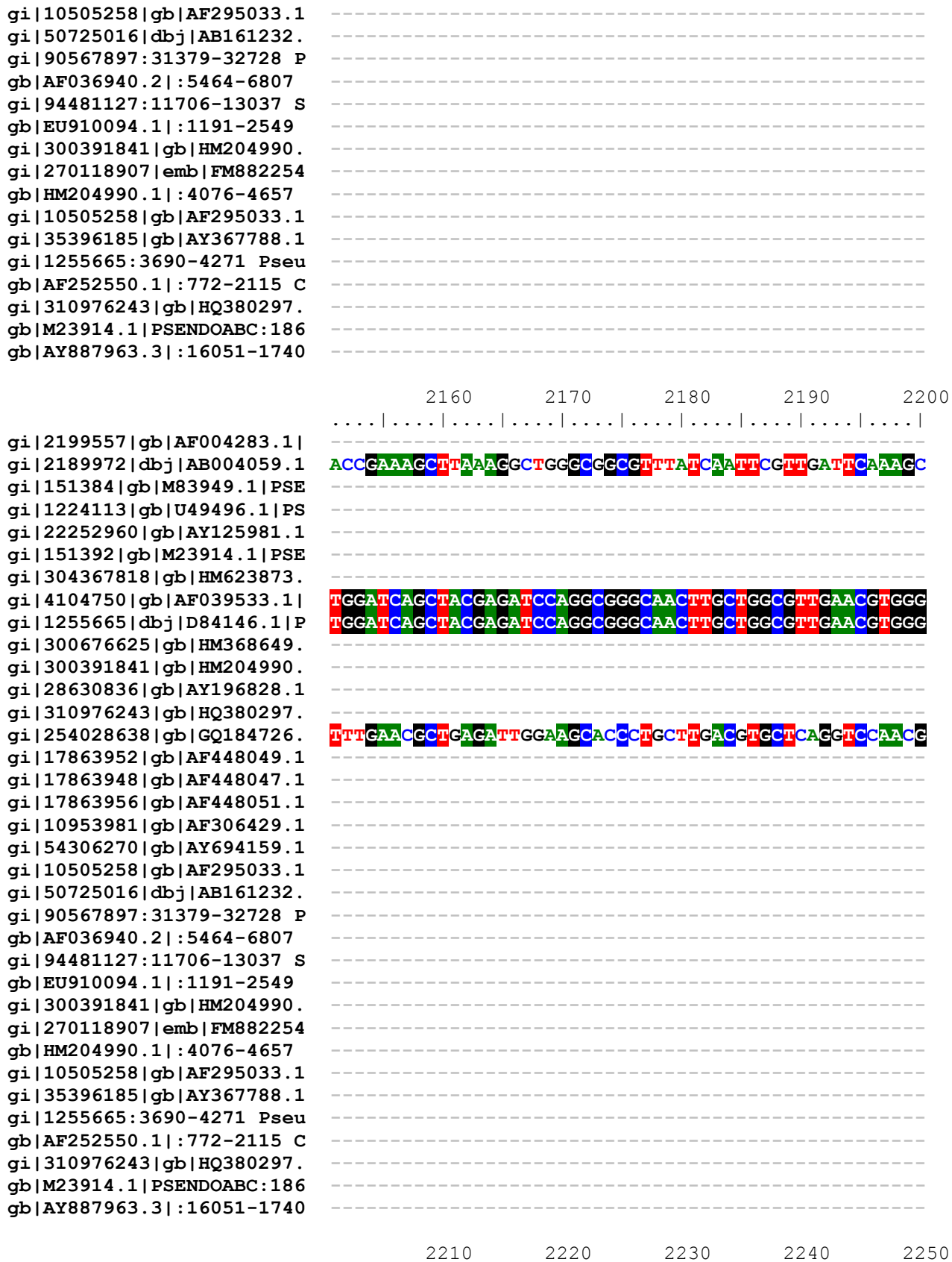
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gi|2189972|dbj|AB004059.1 ACGACGATCCGAGACAAAGCCAGAAGATTCGCA GCCCTCACTGACGGCGCT
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GGACATTCAGCGCGAGAGAATGGATTTGTTTCGATGTCTTCGAAGCGCCGC
gi|1255665|dbj|D84146.1|P GGACATTCAGCGCGAGAGAATGGATTTGTTTCGATGTCTTCGAAGCGCCGC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                2110      2120      2130      2140      2150
                .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GCTATTCAGGTAAACCAAGTGAAGATCGACATGGTTGAATCAGTCA
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| ACAACCTTCCCGTCGCTGCGTTTGCCAAGATGGCGGGCAAATCTCGCAGG
gi|1255665|dbj|D84146.1|P ACAACCTTCCCGTCGCTGCGTTTGCCAAGATGGCGGGCAAATCTCGCAGG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 ATGGAAC TGGTAGTAGAAC CCTCAATTTGCG
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CAAAGTATTCAAGCTATATCGATCGTGTTCGTTGTTTGGAAACTGGCCATT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|CAACCGCGGCCAGCGCGTGCCTGGACTGGCACCTCGACCCGCTCAAGCACG
gi|1255665|dbj|D84146.1|PCAACCGCGGCCAGCGCGTGCCTGGACTGGCACCTCGACCCGCTCAAGCACG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. AGGTCCCCATCTCTTATAGCTGCATGTCGGCCGCTGCCGCACCTTGCCGC
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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2260 2270 2280 2290 2300

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|GCCTGGCTCAAAAATACCGCTCCAGGTTTGTCTTGCCTGTTCTTGGCCC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|AGCTGATCCAGTCTGTCTTGAAGCTGACCAGGGGTGCGGACCCCTTGGCAG
gi|1255665|dbj|D84146.1|PAGCTGATCCAGTCTGTCTTGAAGCTGACCAGGGGTGCGGACCCCTTGGCAG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TGCCGTTGGTTGCCGGTCAACTTCGCGATAACGGGCCCGAGGCCGGCA
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|

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gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                2310      2320      2330      2340      2350
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| G C C G A T G A A C A C C A C A T T C T G C G C G G T A T C T G T G A A C T C C A G G T T G G A C C
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AT C T A C C A T G C A C T G C T G C A G C C G C G C T C G A T G C T G C G G G G G C G C T C G G C
gi|1255665|dbj|D84146.1|P AT C T A C C A T G C A C T G C T G C A G C C G C G C T C G A T G C T G C G G G G G C G C T C G G C
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. C C C G C A G G C A G G A A A G G G G G C C T A T G T C C T G G C C T G T C A G G C G A T T C T G A
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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                2360      2370      2380      2390      2400
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gi|2189972|dbj|AB004059.1|GCTCCCTATGGGCATCAACAATATCTCGTGGCCTTGGCTGGGATACGCCAA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|ACTGGAGGGCGTGAAGTCCAGCAATTTCCGACAAGCTCGTCATGGCCGTGA
gi|1255665|dbj|D84146.1|PACTGGAGGGCGTGAAGTCCAGCAATCTCCGACAAGCTCGTCATGGCCGTGA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CCGAAGACTGCACGATCGAGATTCCTGAATCTGACGAGATCGTGGTTCAC
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

                2410      2420      2430      2440      2450
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CTAACCAAAATGCGCGACTGGCGCATGCAGCTTCCATATGGGAGACGCTG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|GCACAGCGGTGAAGGAAAGCGAATGGACCCCGCTGCGGGTCCGGGGTTCGGTGGTTCGT
gi|1255665|dbj|D84146.1|PACACAGCGGTGAAGGAAAGCGAATGGACCCCGCTGCGGGTCCGGGGTTCGGTGGTTCGT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CCGGCACGCATCATCAAAGGGGACGGTCAACAGCGATAGACGAAGCCACCCA
gi|17863952|gb|AF448049.1|

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gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     2460      2470      2480      2490      2500
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GAAGCGTCGGAATAGACCGTCAATCAGAAAGACCTTCTTCGCTCCCGTCGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| GTAGTCAAACAACGGGCCGGTTAAGGGAATGGCCTGGACAATTAATTCATAATTA
gi|1255665|dbj|D84146.1|P GTAGTCAAACAACGGGCCGGTTAAGGGAATGGCCTGGACAATTAATTCATAATTA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TGACATCCGGCGCTTCCGCAATCAAACCTGGCCAAAGCCGCTTGTGAGTTCAAGCC
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
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gi|94481127:11706-13037 S -----
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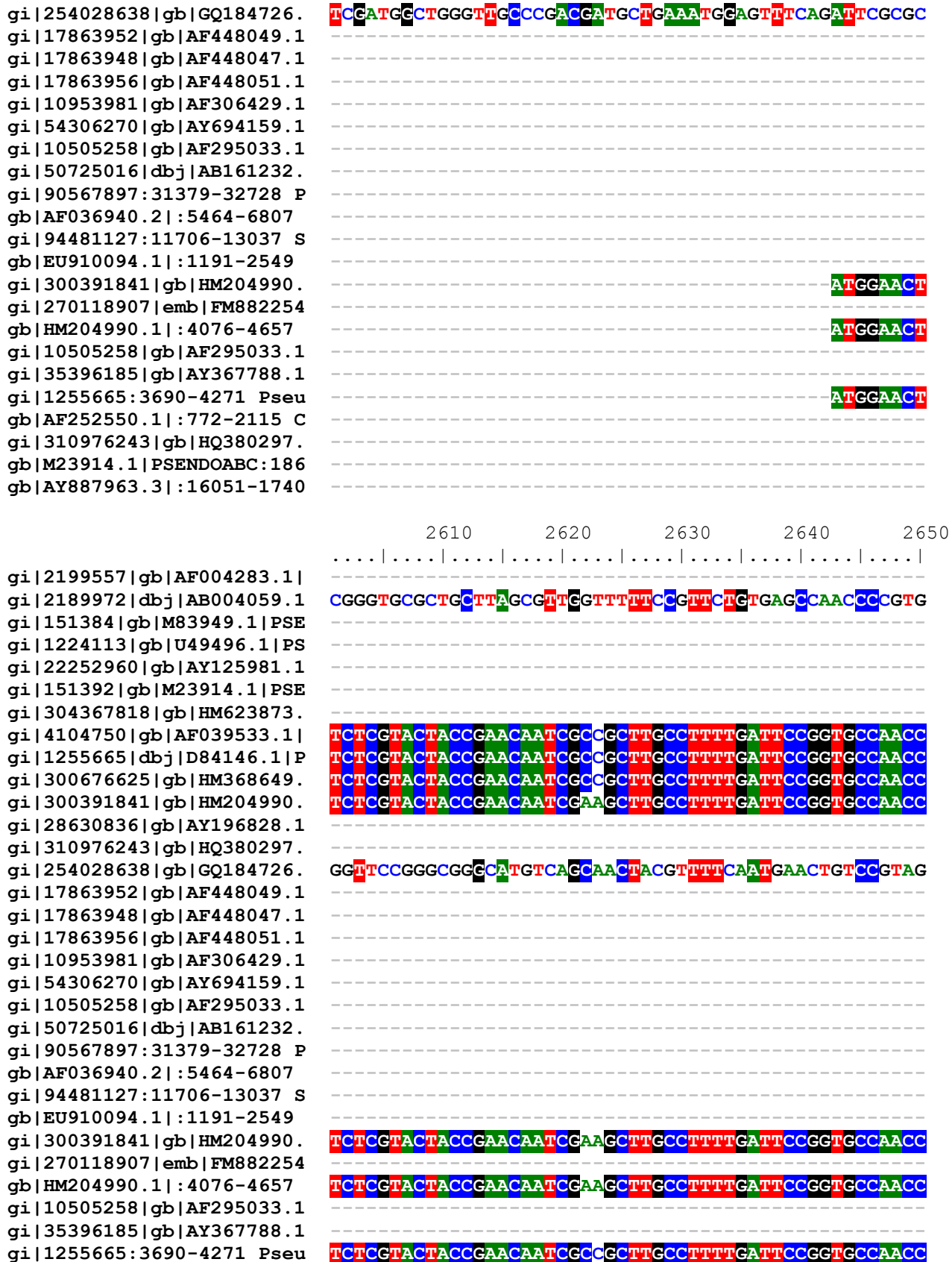
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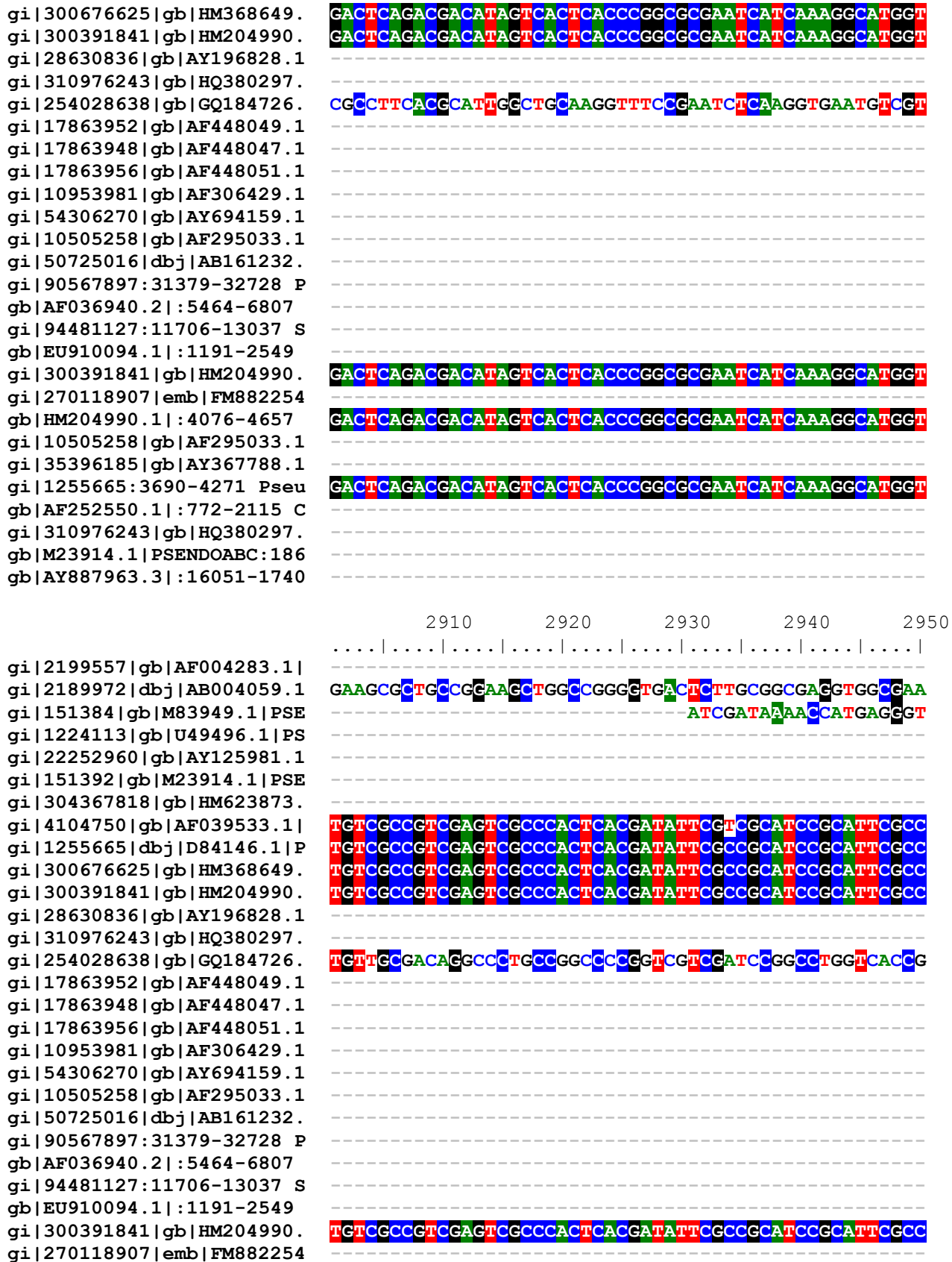
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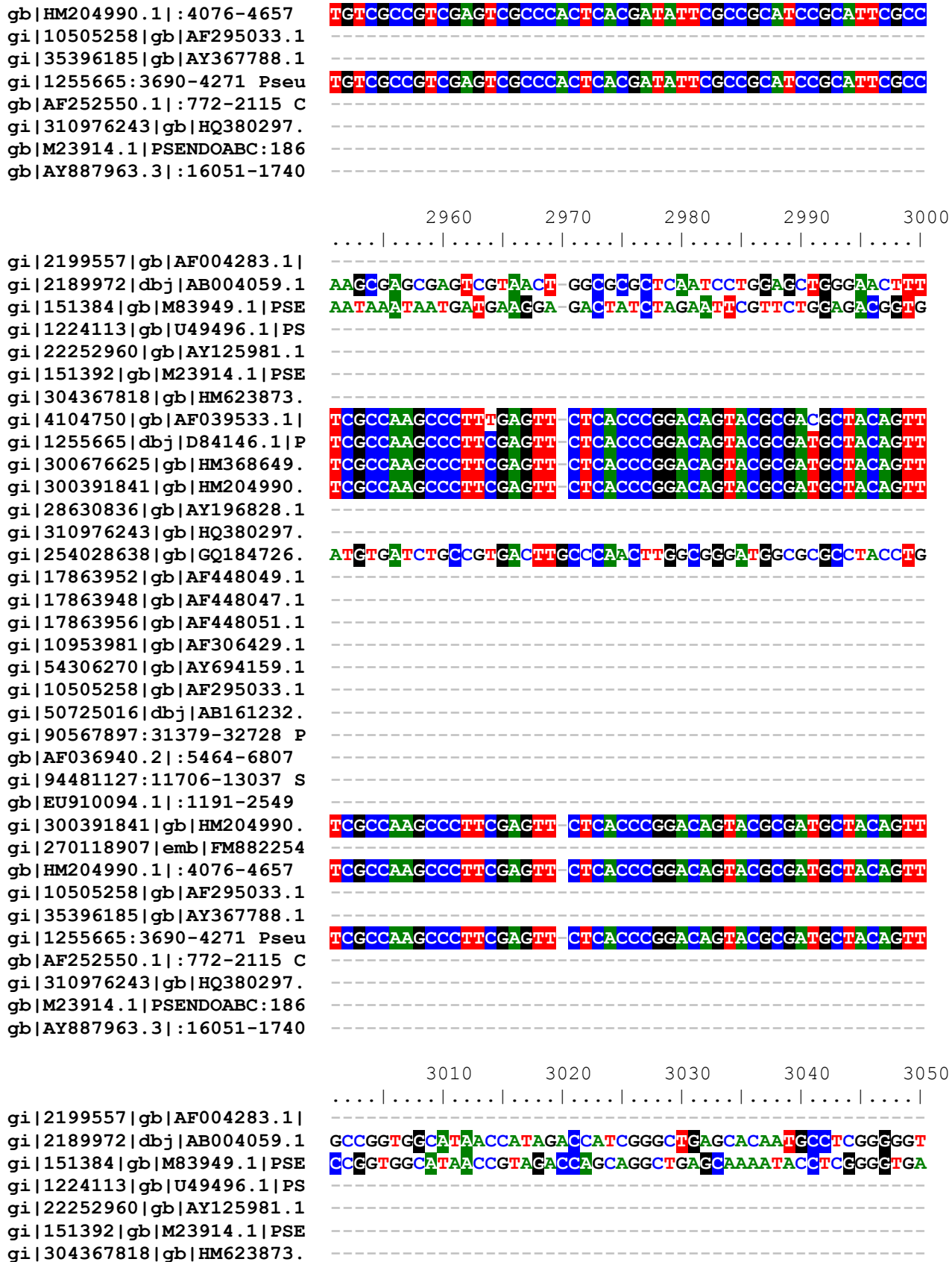
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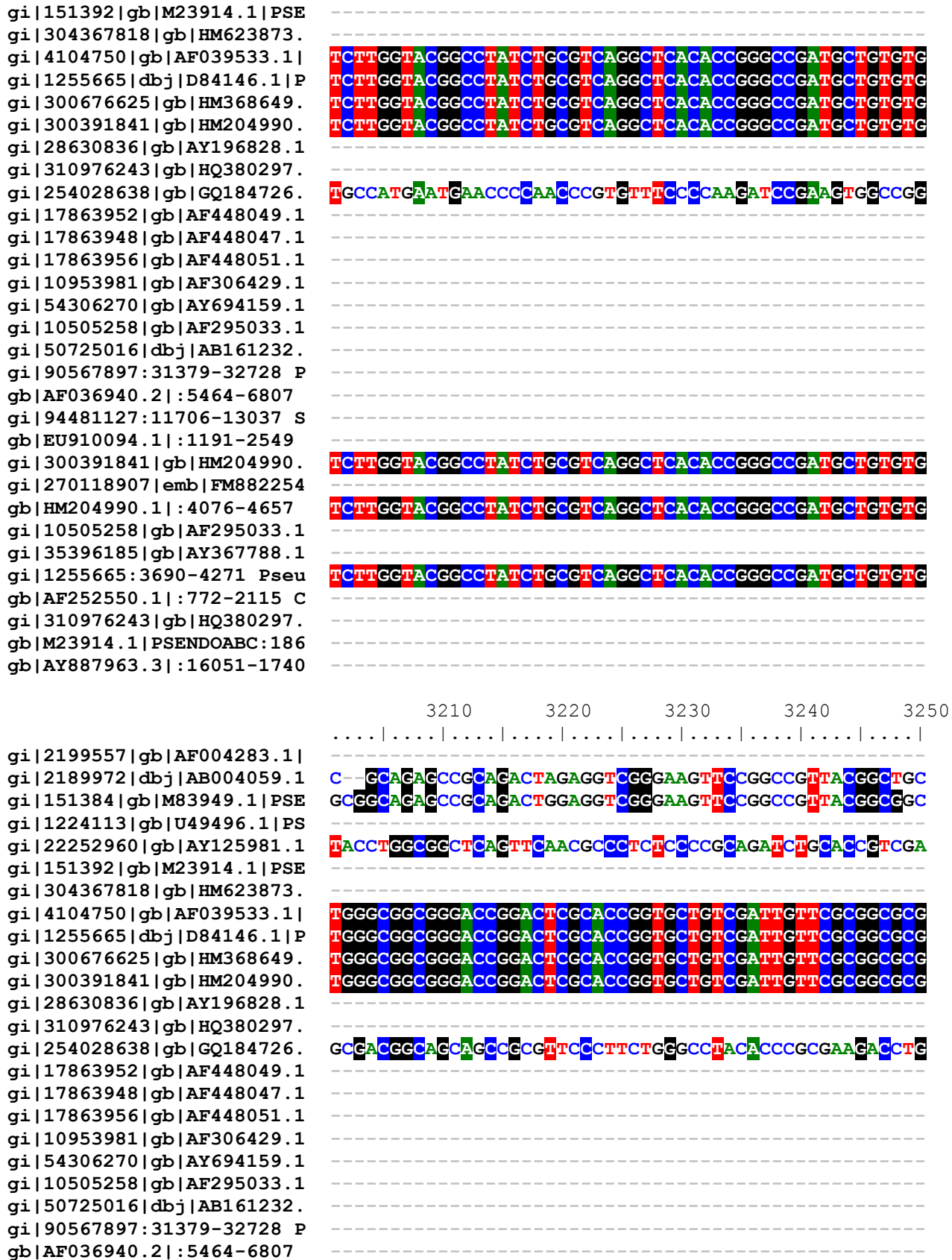
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gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 TGGGCGGCGGGACCGGACTCGCACCGGTGCTGTTCGATTGTTTCGGGCGCG
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu TGGGCGGCGGGACCGGACTCGCACCGGTGCTGTTCGATTGTTTCGGGCGCG
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
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          3260          3270          3280          3290          3300
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gi|1224113|gb|U49496.1|PS  GGTTAGAGCAGGTCGAACGCCACGTACACAAAATTTGTTCGGTACACCGTGC
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1|CTGAAGTCGGGAATGACGAACCCCATCCACCTTTATTTTCGGGGTTCGCAG
gi|1255665|dbj|D84146.1|P CTGAAGTCGGGAATGACGAACCCCATCCACCTTTATTTTCGGGGTTCGCAG
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gi|310976243|gb|HQ380297. -----
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gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. -----
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gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| TCAGCAAGACCTTTTACGACGCAGACCGATTGAACCAACTTCGCGGCTATCC
gi|1255665|dbj|D84146.1|P TCAGCAAGACCTTTTACGACGCAGACCGATTGAACCAACTTCGCGGCTATCC
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gi|28630836|gb|AY196828.1 -----
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gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
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gi|151384|gb|M83949.1|PSE ATCCAGCGCCTGGATCTGGGGTTATTTCGTTAACCGACAACACCAGAGCGGT
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 GAATACTGACTCTACCGTCTGAGCCAGGCTGAATGGACGGCTAGGCGTCCCA
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gi|304367818|gb|HM623873. -----
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gi|300391841|gb|HM204990. ACCCTCAACTGACTGTCCATACAGTGATCGCGACGGGCCCGATTAAATGAG
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gi|310976243|gb|HQ380297. -----
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gi|17863952|gb|AF448049.1 -----
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gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
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gb|HM204990.1|:4076-4657
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gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
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3410 3420 3430 3440 3450  
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gi|4104750|gb|AF039533.1|
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gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
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gb|AF252550.1|:772-2115 C
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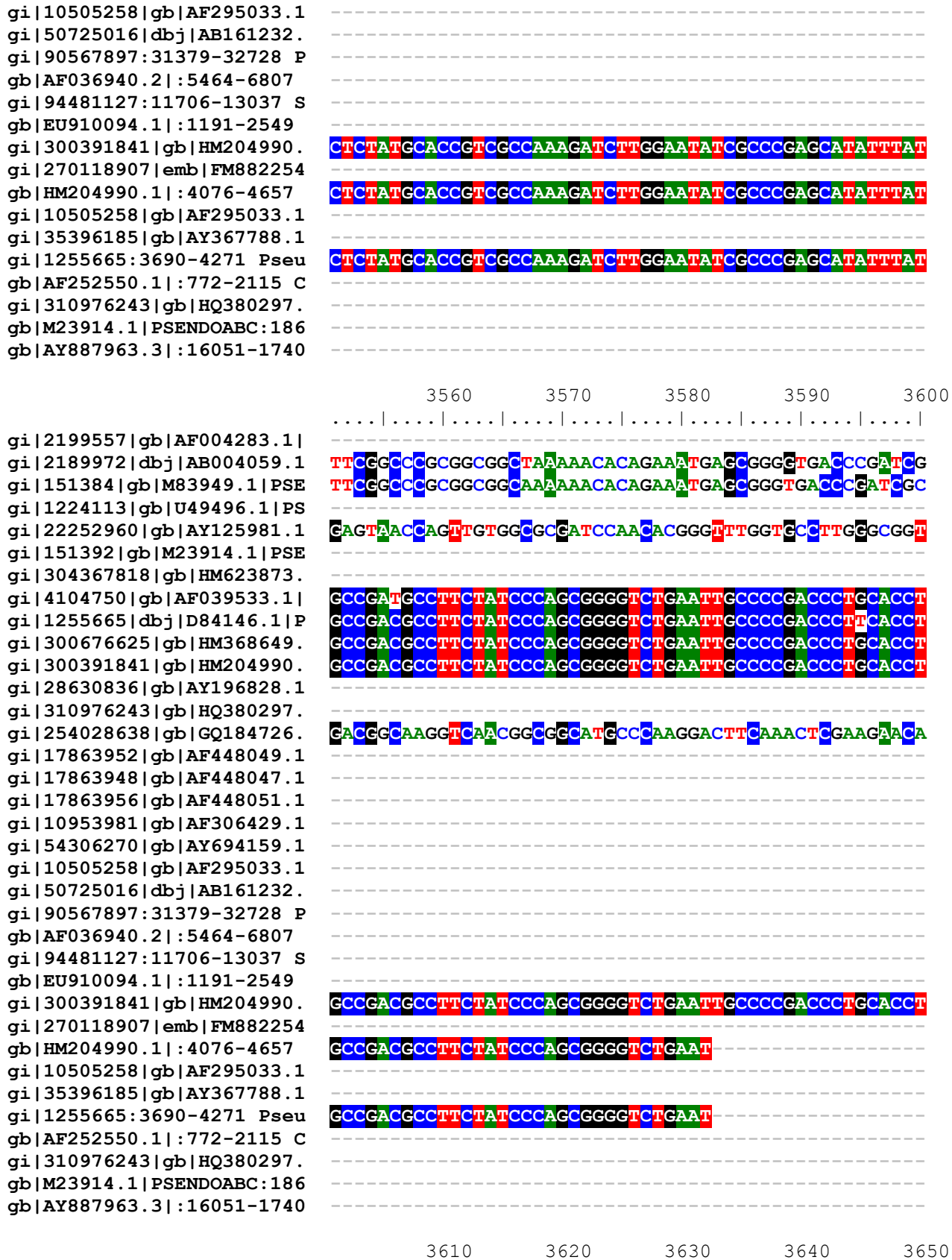
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gi|50725016|dbj|AB161232.  -----
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gi|151384|gb|M83949.1|PSE  -----
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gi|22252960|gb|AY125981.1  -----
gi|151392|gb|M23914.1|PSE  -----
gi|304367818|gb|HM623873.  -----
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gi|17863948|gb|AF448047.1  -----
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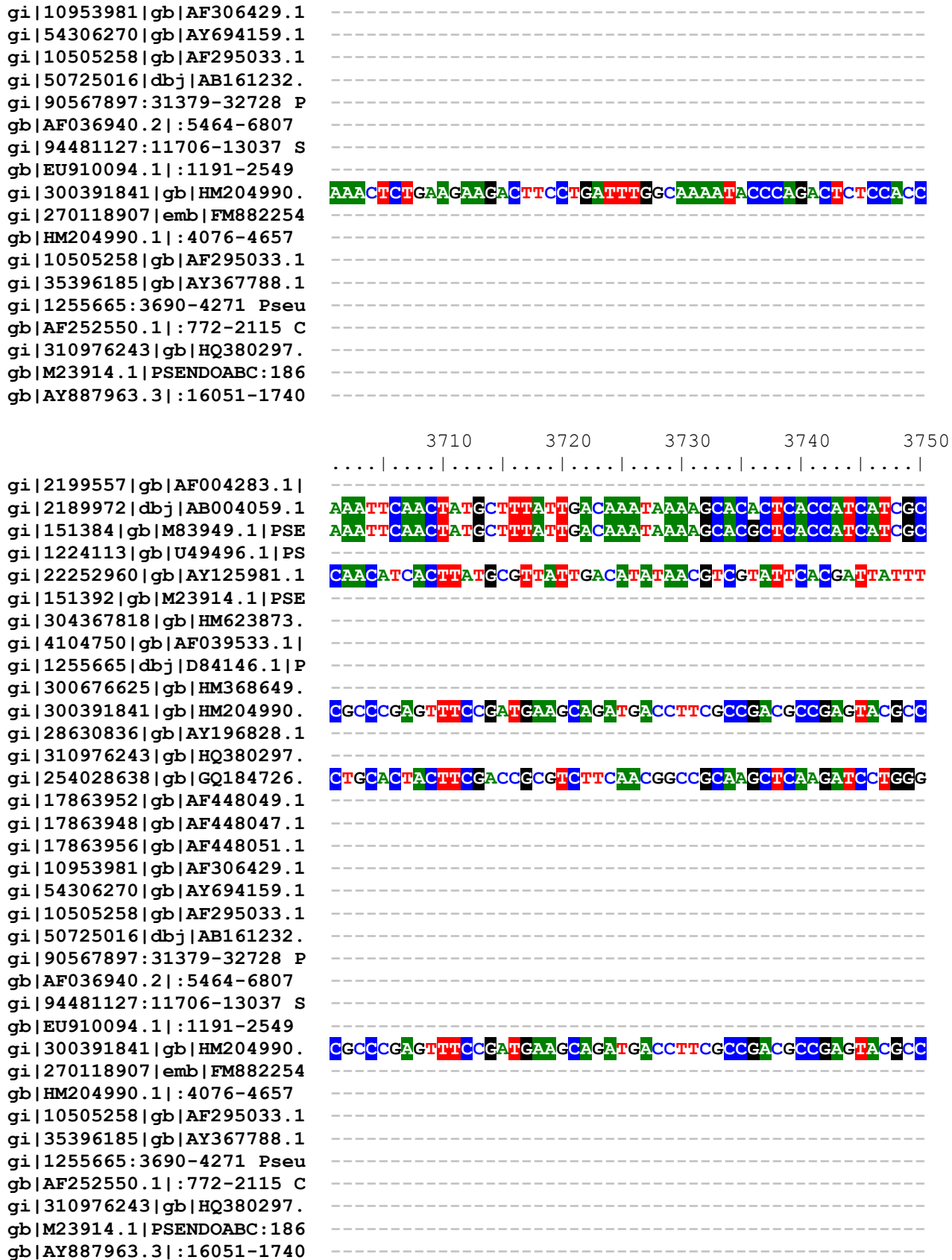
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3660 3670 3680 3690 3700
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gi|1224113|gb|U49496.1|PSTAAATTTCTGAAAGGGGAGCCAGGTTATGAGTATTCACATTCGGTGAATAAA
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gi|151392|gb|M23914.1|PSE
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gi | 1255665 : 3690-4271 Pseu
gb | AF252550.1 | : 772-2115 C
gi | 310976243 | gb | HQ380297.
gb | M23914.1 | PSENDOABC : 186
gb | AY887963.3 | : 16051-1740

                                3810      3820      3830      3840      3850
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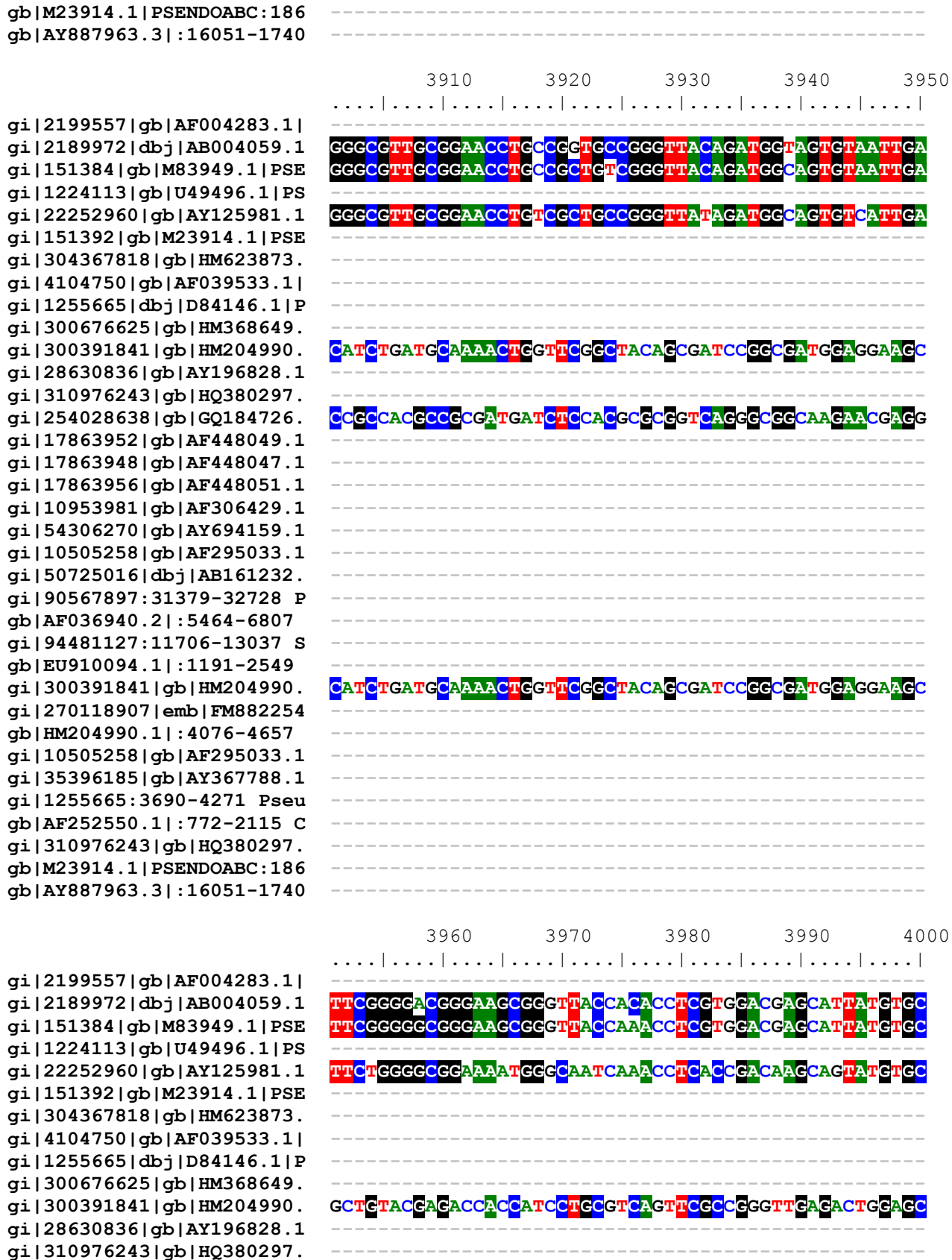
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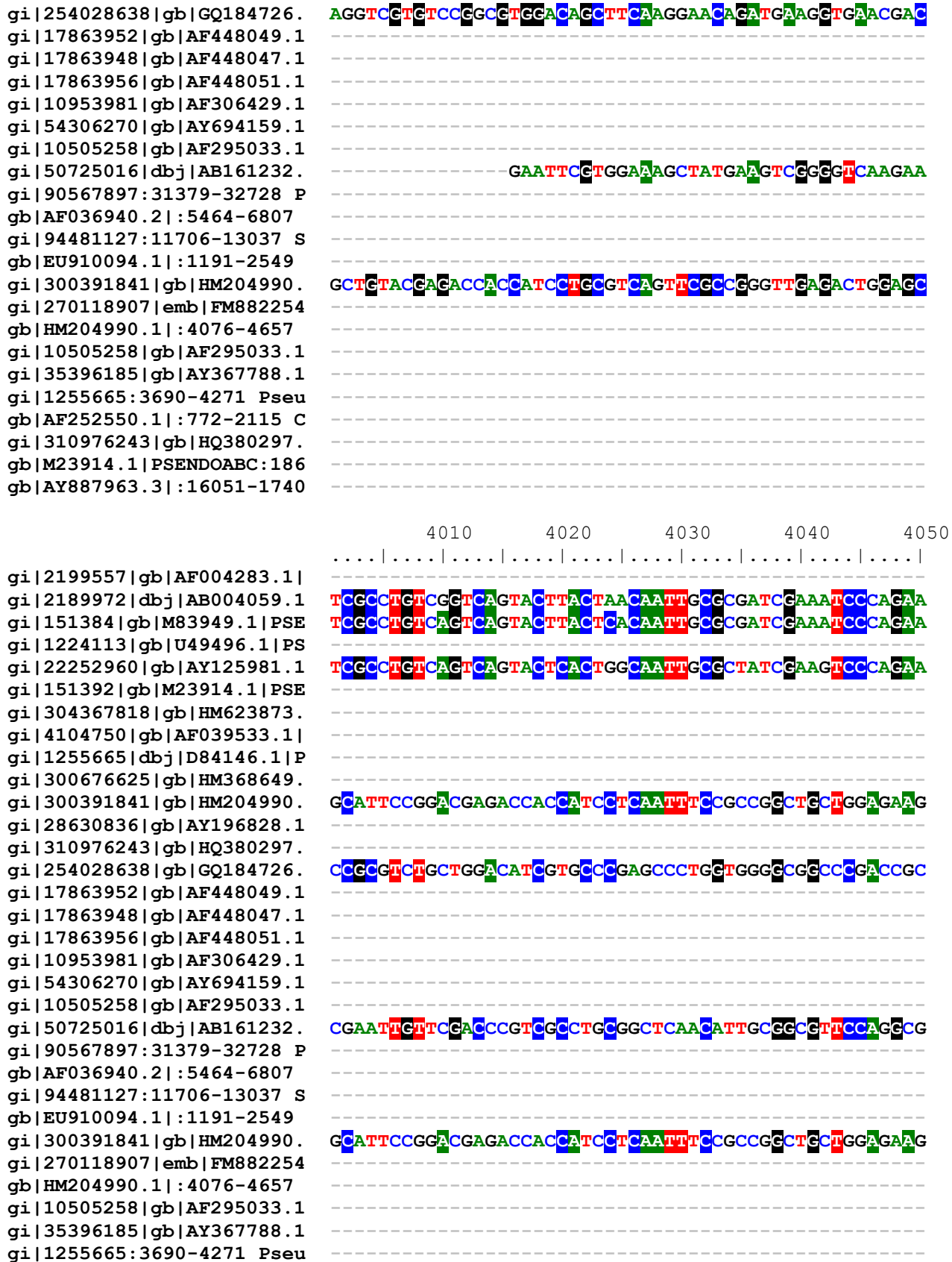
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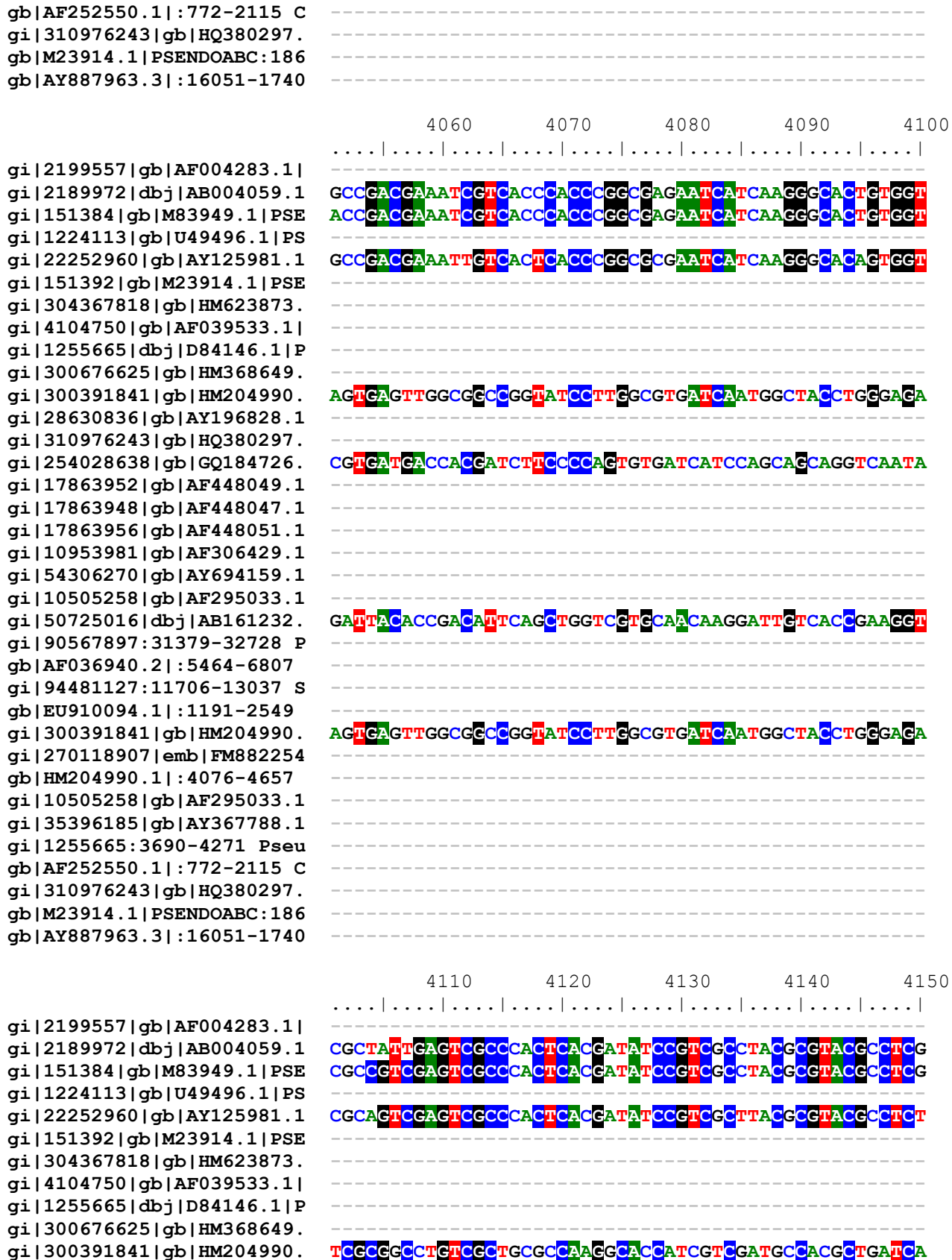
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gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. GGTTTCGTCGCCATGGAAAGGCTTTGATTGCGCTTGATTCGAGCCGTATTACCCCA
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     3860      3870      3880      3890      3900
                                     .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| TGAAGTGCCTTCGCGAGAACGGTGTGCTATTTCCCTACAGTTGATGTCT
gi|151384|gb|M83949.1|PSE TGAAGTGCCTTCGCGAAAACGGTGTGCTATTTCCCTACAGTTGATGTCT
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| TGAAGTGCCTTCGCGAGAACGGTGTAGCTATTTCCCTACAGTTGCTTGTCT
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. AGGGCGAAGGCGGCCGACCCGCTATCCGCTGATGGCGATGCTGCGCGTA
gi|28630836|gb|AY196828.1| -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. GGGCTCTGGCGCGCCGACAACAAGTCGGAACGAAAGATGGACGCCAAGTT
gi|17863952|gb|AF448049.1| -----
gi|17863948|gb|AF448047.1| -----
gi|17863956|gb|AF448051.1| -----
gi|10953981|gb|AF306429.1| -----
gi|54306270|gb|AY694159.1| -----
gi|10505258|gb|AF295033.1| -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. AGGGCGAAGGCGGCCGACCCGCTATCCGCTGATGGCGATGCTGCGCGTA
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1| -----
gi|35396185|gb|AY367788.1| -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----

```









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gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. GCGTATCGACGCGCCACATCCAGCCCAAACGGCCACGGCTTCCTTTGACTTC
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. TCGCAATCGGGTCTGTGCGGTATCCGGGGTATCGAGGTCGAAACGCAGG
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. TCGCGGCTCTCGCTGCGCCAAAGGCACCATCGTCTGATGCCACGCTGATCA
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                4160      4170      4180      4190      4200
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| CCAAGCCCTTCGAGTTCTCA CCCGGACAGTACGCGACATTGCAGTTCAGT
gi|151384|gb|M83949.1|PSE CTAAGCCCTTCGAGTTCTCA CCCGGACAGTACGCGACATTGCAGTTCAGT
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| CCAAGCCCTTCGAGTTCTCA CCCGGACAGTACGCGACATTGCAGTTCAGC
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. ATGCGCCGAGTTCTGACCAAGAA CAAGGACGGCAAACCGGACCCGGAGATG
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. GTCTGGA CCACTTTCGGCTTTCGAGGACGACACGAGGATTTGGA CCCAGCG
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. CGAAACTGGCTGACTTCTTACCATT CAGGGTGGCTTTGGCTATGTCGAT
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. ATGCGCCGAGTTCTGACCAAGAA CAAGGACGGCAAACCGGACCCGGAGATG
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----

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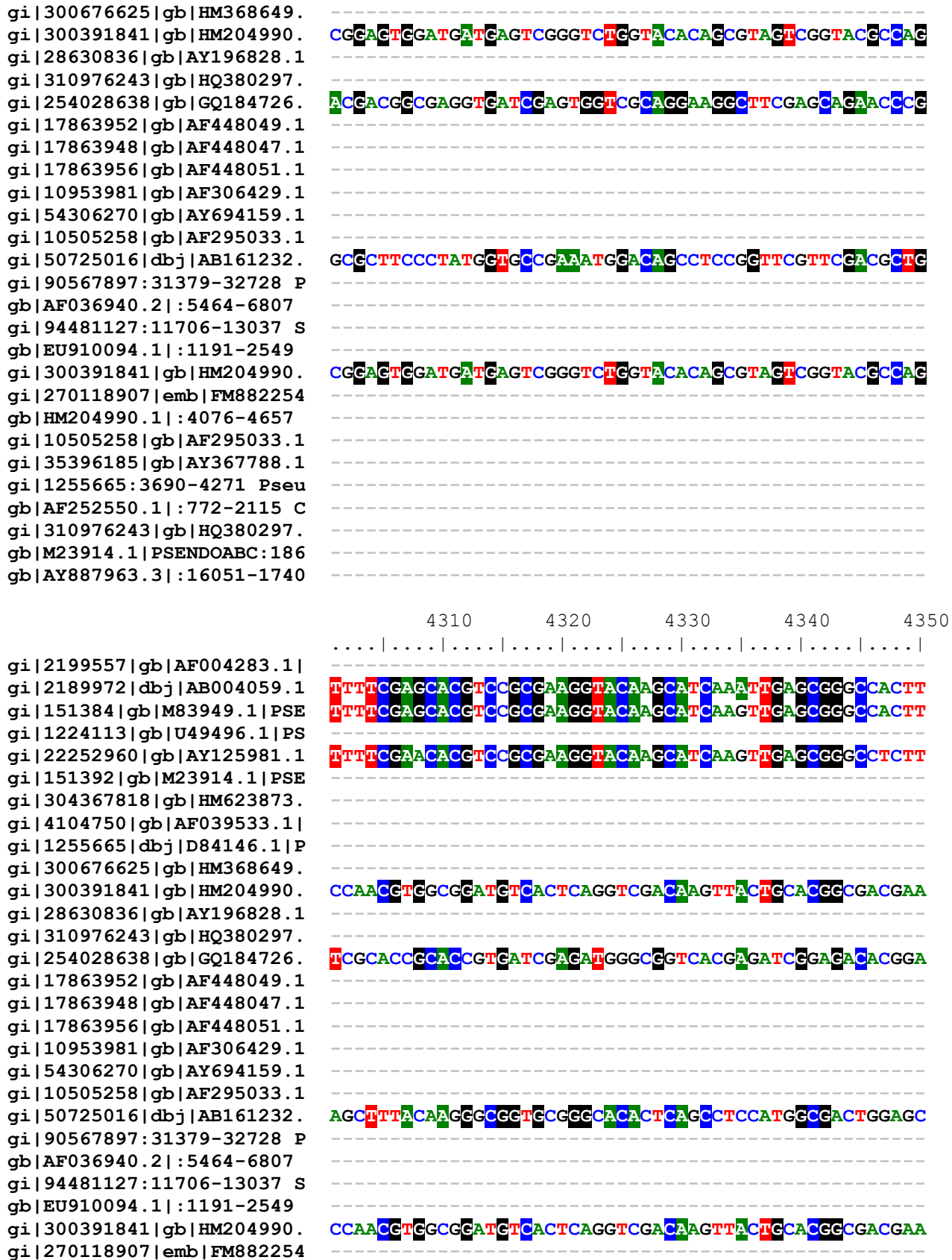
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gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                4210      4220      4230      4240      4250
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CCTGAGCATGCGCGTCCGTATTCAATGGCAGGCTTGCCAGATGACCAAGA
gi|151384|gb|M83949.1|PSE CCTGAGCATGCGCGTCCGTATTCAATGGCAGGCTTGCCAGATGACCAAGA
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| CCTGAGCATGCGCGTCCGTATTCAATGGCAGGTTTTCAGATGACCAAGA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.| CACCAGACCAAGAAGGGTAACCAATATTACTTCGGCATGAAGGCCCCACAT
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.| CCGCCTGATTCAGGCCAACCTGTTTCGGCCCGGGCAGGCTTCGTCTCGGCCG
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. | GCTATTACTCGGGAGGTTTCGCCGACTGCCCGCCCGGTGAACGTCAAATTC
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990. | CACCAGACCAAGAAGGGTAACCAATATTACTTCGGCATGAAGGCCCCACAT
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                4260      4270      4280      4290      4300
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| AATGGAGTTCCACATACGCAAGGTGCCGGGTGGCCGCTAACCTGAGTATG
gi|151384|gb|M83949.1|PSE AATGGAGTTCCACATACGCAAGGTGCCGGGTGGCCGCTAACGGAGTATG
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| AATGGAGTTCCACATACGCAAGGTGCCGGGTGGCCGCTCACGGAGTATG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P

```



```

gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

      4360      4370      4380      4390      4400
...|...|...|...|...|...|...|...|...|...|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GGTACGGCCTTATTTTACGTCAGAAACCACACCCGGCCCGATGCTTCTGTGTGGG
gi|151384|gb|M83949.1|PSE GGTACGGCCTTATTTTACGTCAGAAACCACACCCGGCCCGATGCTTCTGTGTGGG
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| GGTACGGCCTTATCTACGTCAGAAACCACACCCGGACCGATGCTGTGTGTAGG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990. AACGTCGTTTTCGCCGATGCCGGCTACCCGGGCGTCGAAAAACCGCTCCGA
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CCACATGGTCACCGAGACGCTGATCCGGGCATGTACGACTACTGTGGCGCA
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. TACAAGGGTGGCCACTTCAAGGACTCGATCAACTCGCCCGCGCTTTACCA
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990. AACGTCGTTTTCGCCGATGCCGGCTACCCGGGCGTCGAAAAACCGCTCCGA
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

      4410      4420      4430      4440      4450
...|...|...|...|...|...|...|...|...|...|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CGGTGGAAACGGACTAGCACC GGTGCTGTTCGATTATTCGCCGGCGCGCTGA
gi|151384|gb|M83949.1|PSE CGGTGGGACCGGACTAGCACC GGTGCTGTTCGATTATTCGCCGGCGCGCTGA
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TGGCGGGACCGGACTCGCACC GGTGCTGTTCGATTATTCGCCGGCGCGCTGA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

```

```

gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
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```

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AGGTGATGGGAGAGTGAACATGATCGACTTCAAGACGTACTTTGAACTGC

AGAAAGGTTACAGCGTGTGTTTGGCCGAACTTACGACTTACGAACTGCCCGGG

ACATGAAGGCCGGGCGGTGATCTGGCAGGTCGCGGCACGCCGCAGCACTTT

4460 4470 4480 4490 4500

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549

```

AGTTGGGTTATGACAAACCCCATCCTCCTTTTATTTTCGGAGTCCGCAGTCAG

AGTTGGGTTATGACAAACCCCATCCTCCTTTTATTTTCGGAGTCCGCAGTCAG

AGTCGGGTTATGACAAACCCCATCCTCCTTTTATTTTCGGGGTCCGCAGTCAG

ACAAGAAAGCTTGGCAAAGAGCAGCCCGCTCTACAAAGCCAAAGCGCAAGGTC

TGACCCCTGTACAGCGACTATGCCATGGTCTGCGACTCCGCCGATTGGGAG

ATAACTGGGATGTGAGCGTCCGGGGTCACGAACCTGACTGACAAGCCCTAT

```

gi|300391841|gb|HM204990.1|CAAGAAGCCTTGGCAAAGAGCAGCCCGCTCTACAAAGCCAAAGCGCAAGGTC
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

4510 4520 4530 4540 4550

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CAAGACCTCTTACGACCGCAGAGCGATTGCATTAACCTCGCCGGCTGATCACCC
gi|151384|gb|M83949.1|PSECAAGACCTCTTACGACCGCAGAGCGATTGCACAAACTCGCCGGCTGATCACCC
gi|1224113|gb|U49496.1|PSCAAGACCTCTTACGACCGCAGAGCGATTGCACAAACTCGCCGGCTGATCACCC
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.

```

```

GAGAAGGCCAAAGCCGCAGCTCCGGCCGAAAGGTCGAGCACCCGTTTCGGGT

```

```

gi|300391841|gb|HM204990.1|
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.1|CTCCTGGCCGGATATTTCGCAACTTCAACAAGACCAGCCGGCCGGCCGACTGGGGC
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549

```

```

AAGTGGCCCTGATTTTTTTTCATTGAGACCGGCACCCTACCGCCTGCAAGCCGGC

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GAGAAGGCCAAAGCCGCAGCTCCGGCCGAAAGGTCGAGCACCCGTTTCGGGT

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gi|300391841|gb|HM204990.1|
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

4560 4570 4580 4590 4600

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|TCAACTGACCGTACACACGGTAATCGCAATGGGCCCGATTAAATGAGAGTC
gi|151384|gb|M83949.1|PSETCAACTGACCGTACACACGGTAATCGCAATGGGCCCGATTAAATGAGAGTC
gi|1224113|gb|U49496.1|PSTCAACTGACCGTACACACGGTATTGCAAAGCCGGCCCGATTAAATGAGAGTC
gi|22252960|gb|AY125981.1|

```

```

gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. GATCAAGCGCCAGTTTGGTTACACCAAAGTTTCGCTTTTCGAGGGCTGGTGA
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. CGAGAACTTCGAGCAGGACTTGCCGCTGTGCTGCTGGCGCTGGAGAGCA
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. CTATTCTCGTCCTCGCGAGTGGTTCCCTCAAGCTTCGTTATCGTTATTGAA
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. GATCAAGCGCCAGTTTGGTTACACCAAAGTTTCGCTTTTCGAGGGCTGGTGA
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          4610          4620          4630          4640          4650
...|...|...|...|...|...|...|...|...|...|...|
gi|2199557|gb|AF004283.1| AGCGAGCCGGTCTAGTTACCGATGCGATCGAAAAAGACATCAGTTCGCTG
gi|2189972|dbj|AB004059.1 AGCGAGCCGGTCTAGTTACCGATGCGATCGAAAAAGACATCAGTTCGCTG
gi|151384|gb|M83949.1|PSE AGCGAGCCGGTCTAAATTACCGATGCGATCGAAAAAGACATCCTTTTCGCTG
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 AGCGAGCCGGTCTAAATTACCGATGCGATCGAAAAAGACATCCTTTTCGCTG
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P -----
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. AGAACACGGCGCAGTTAGTGACGCTGTTTCGCCCTGTCGAACCTGTGGATG
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. AGGCCATGATCCGTCACCGAGTGTACGGTGTCAAGGAAAACCATGTATCAC
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. CCGTTGAGCCAGAGGCAGGAAGGATCGGATTATTGCAATGGCTGGTCAATA
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gb|AF036940.2|:5464-6807 -----

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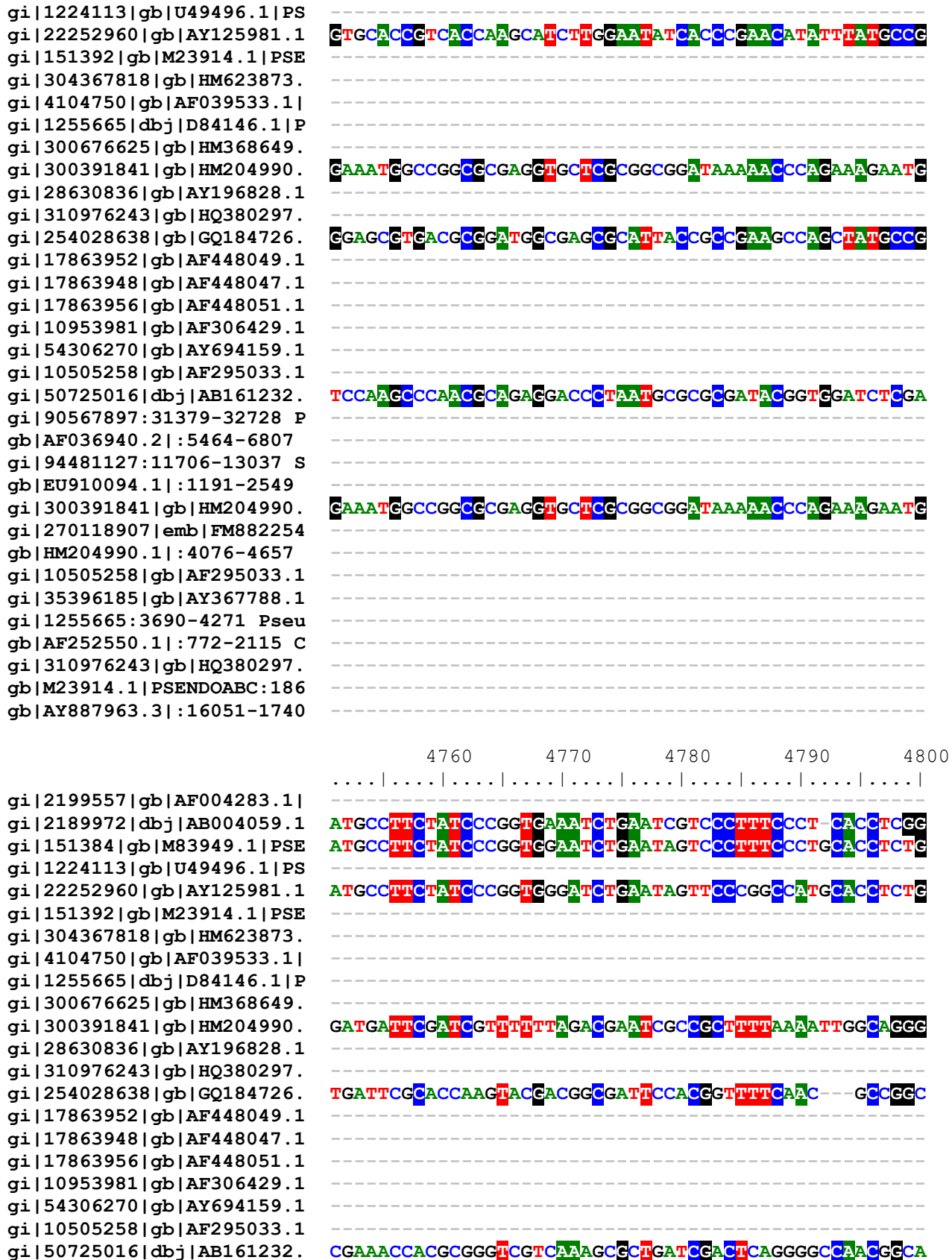
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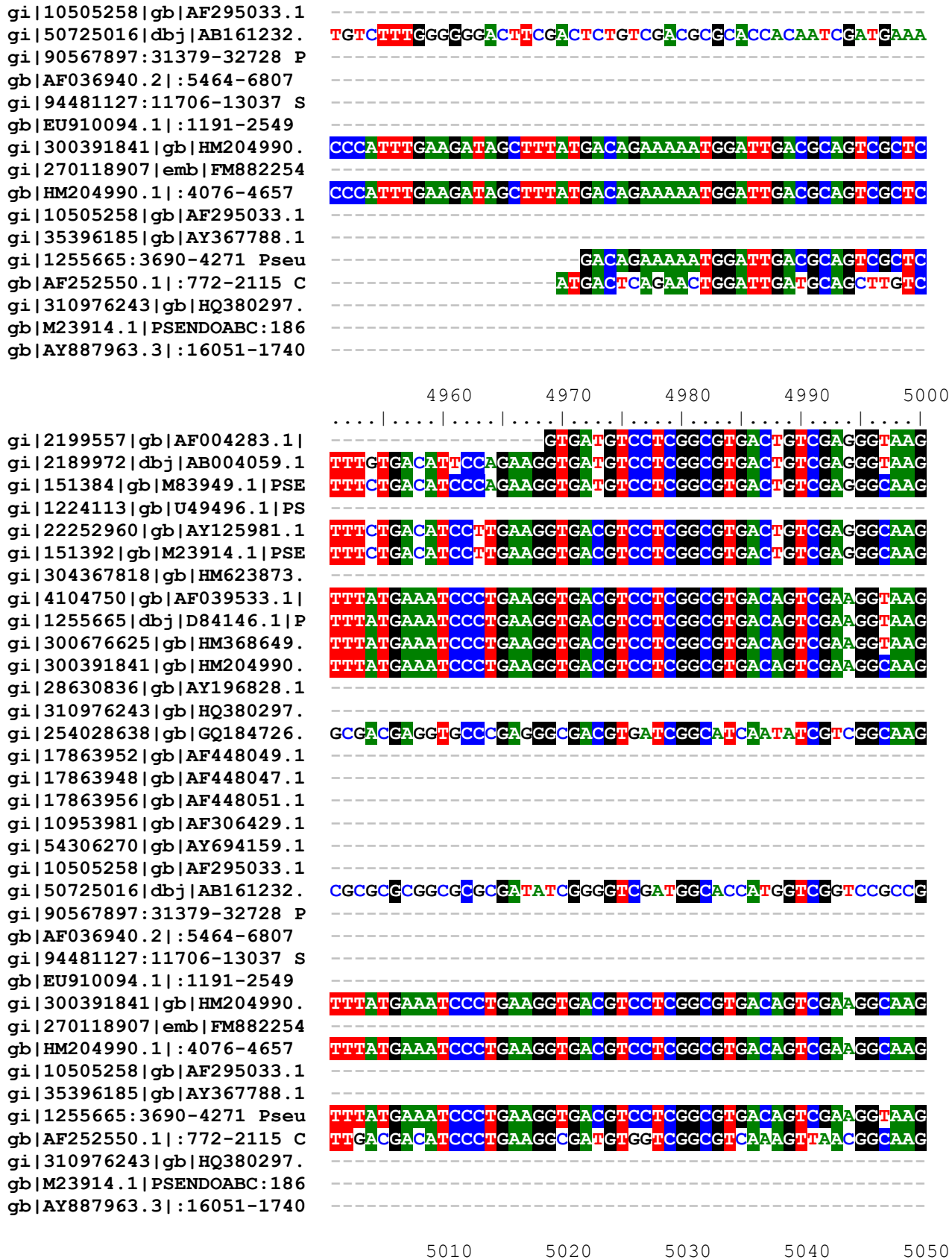
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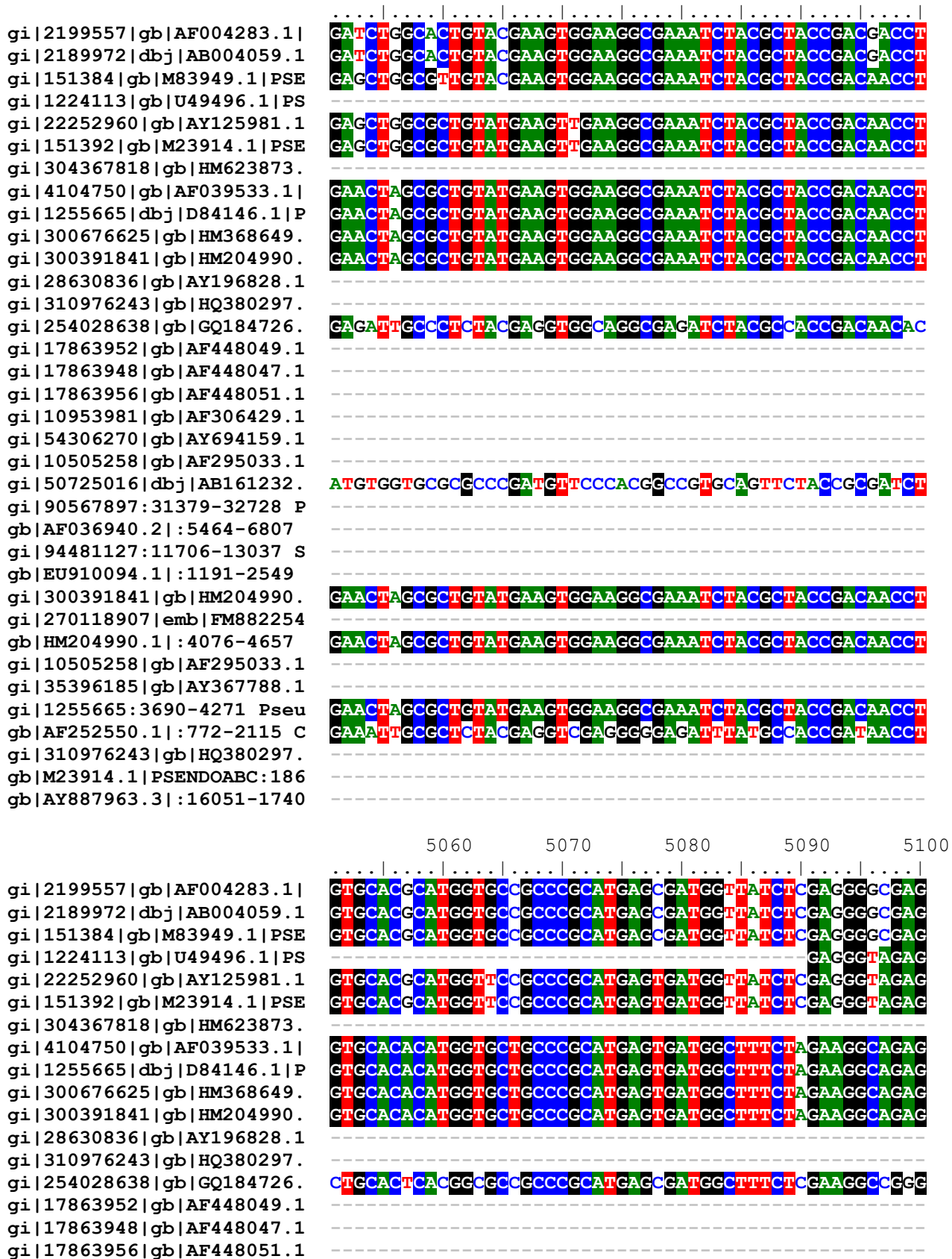
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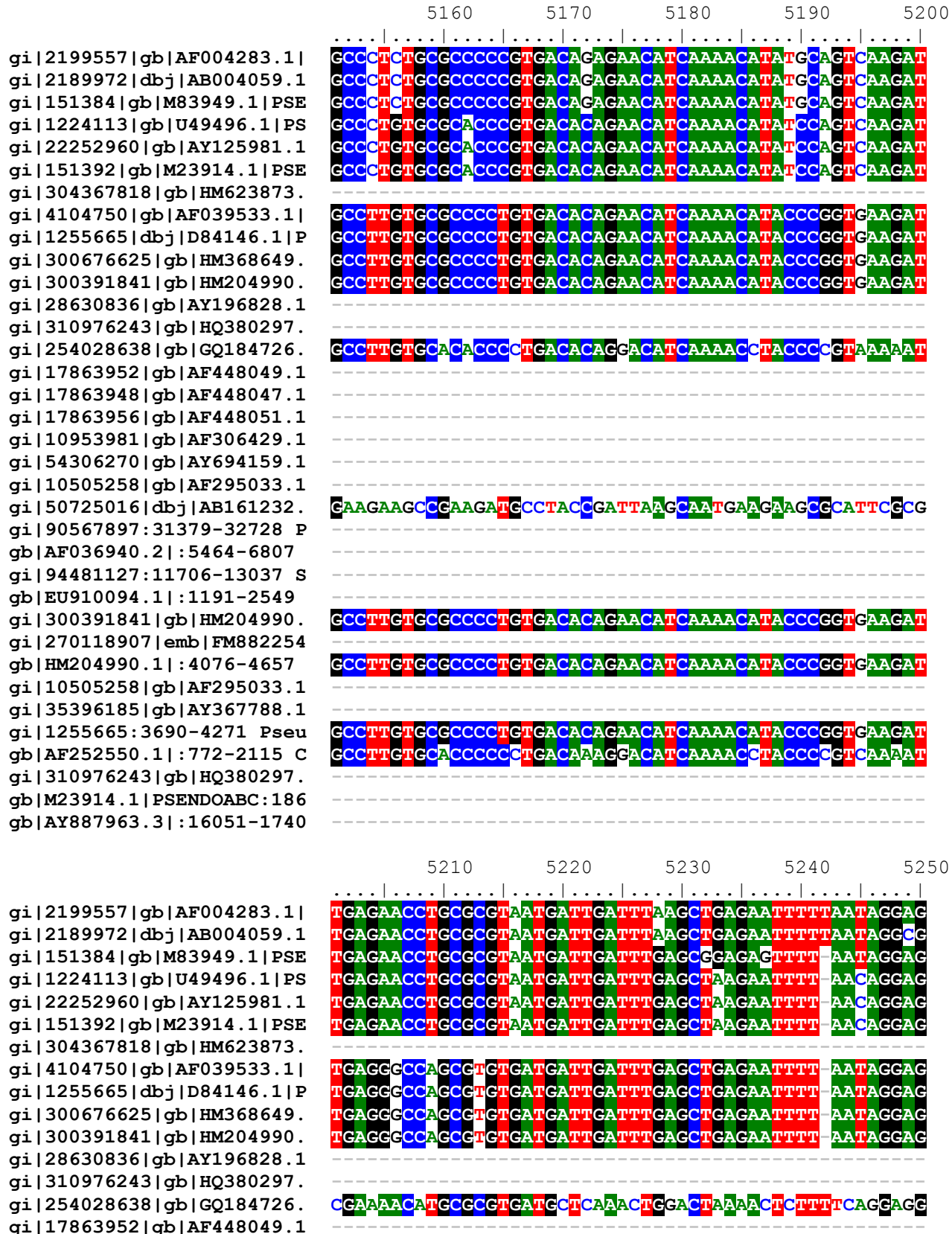


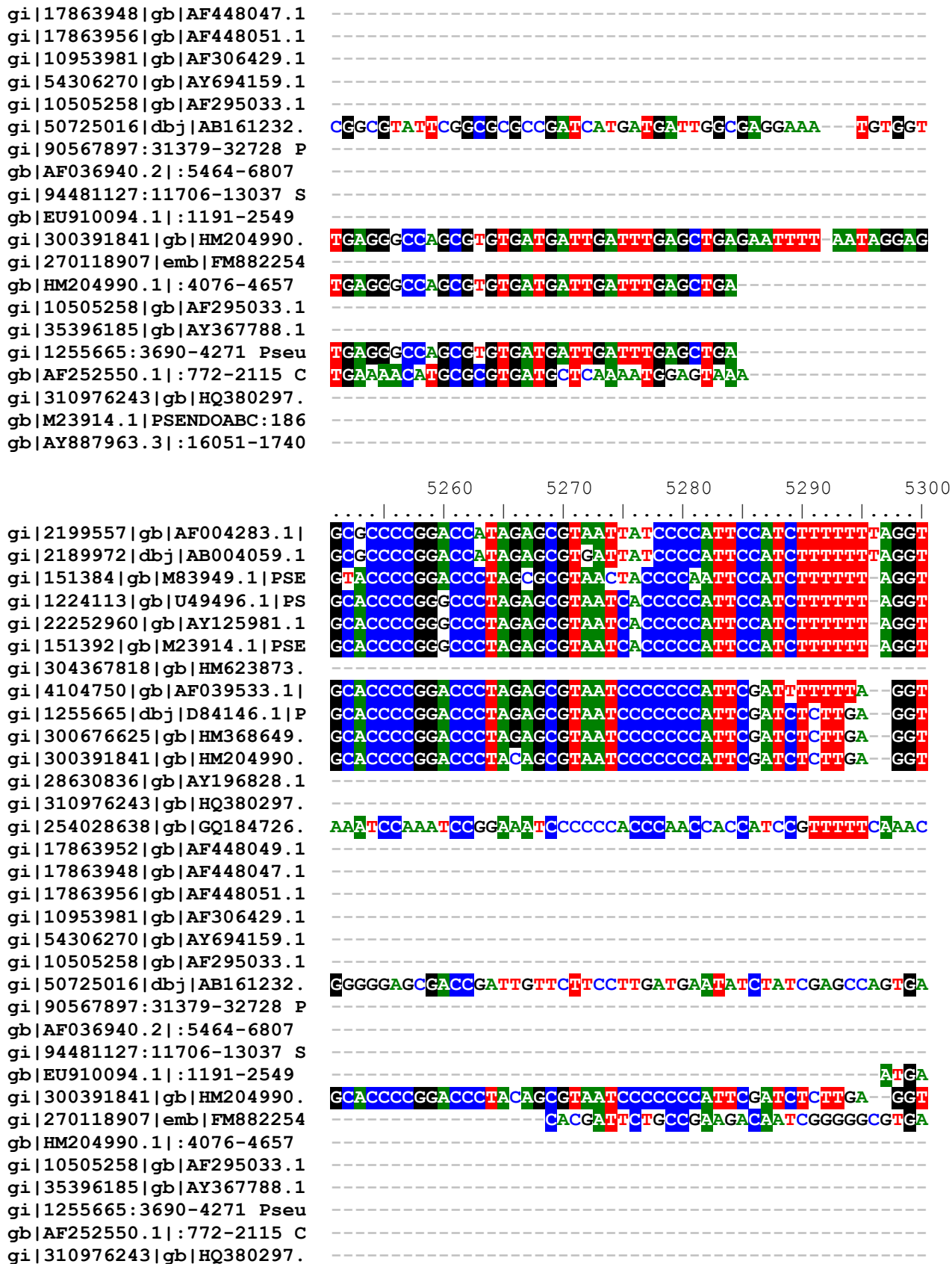
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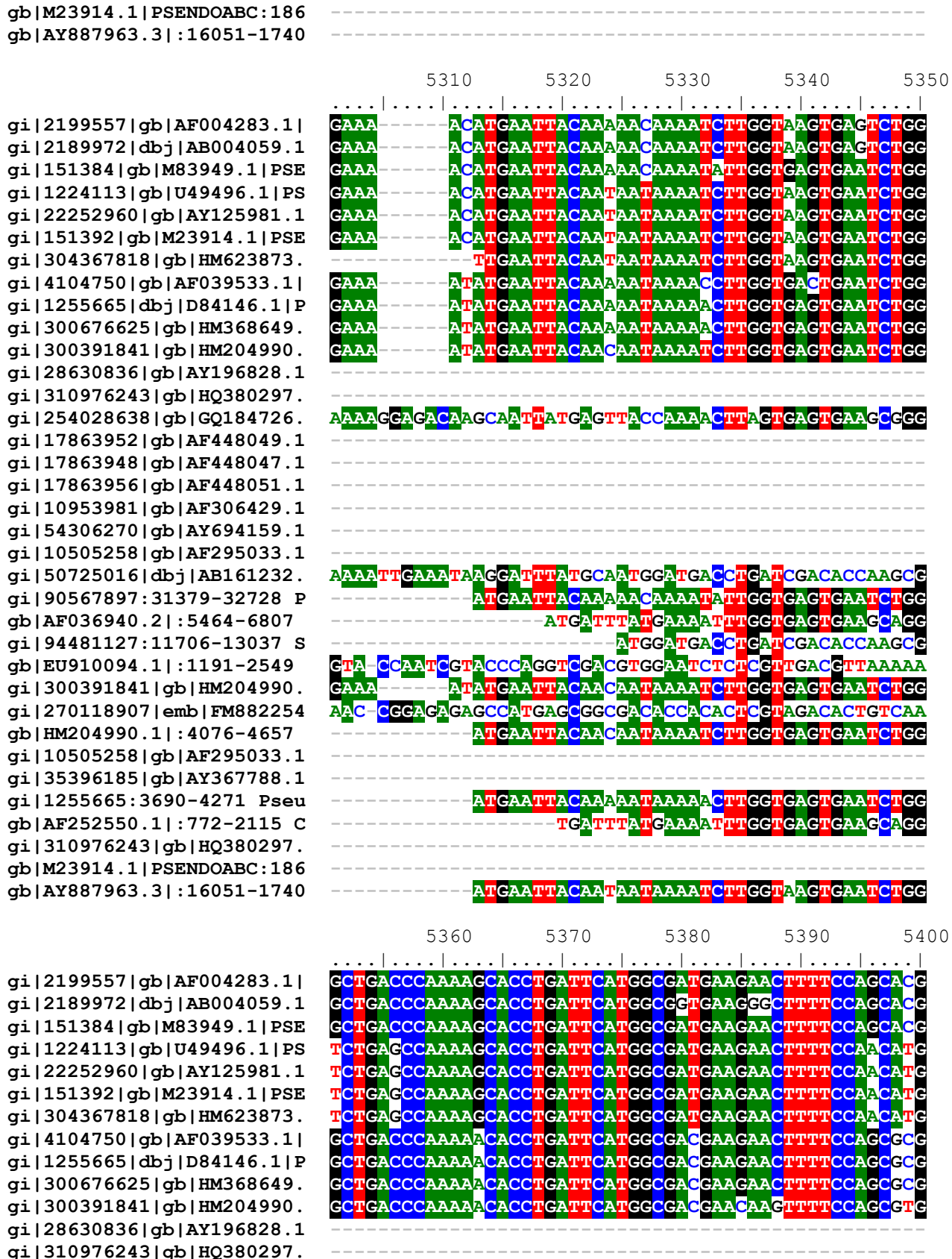
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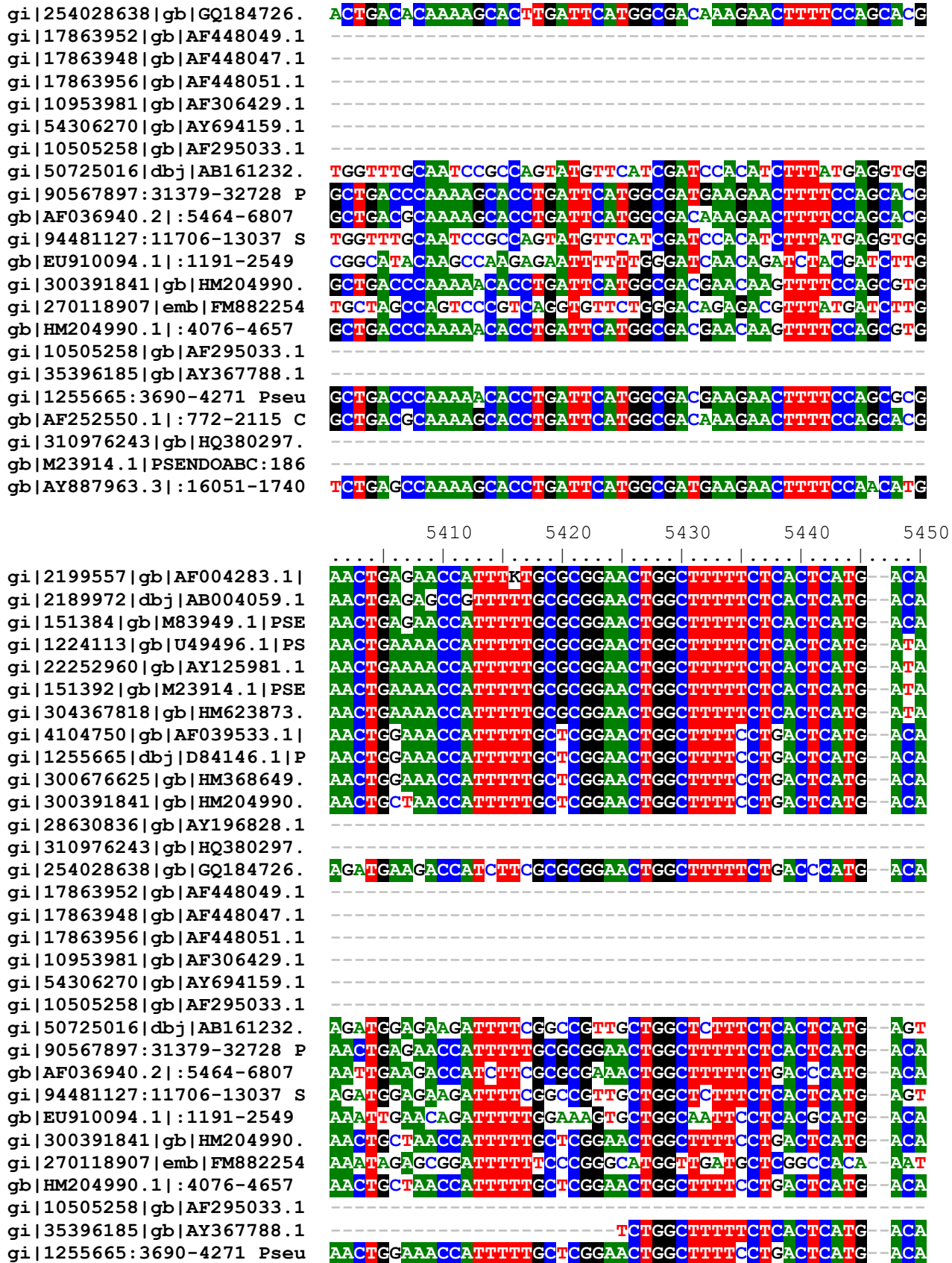
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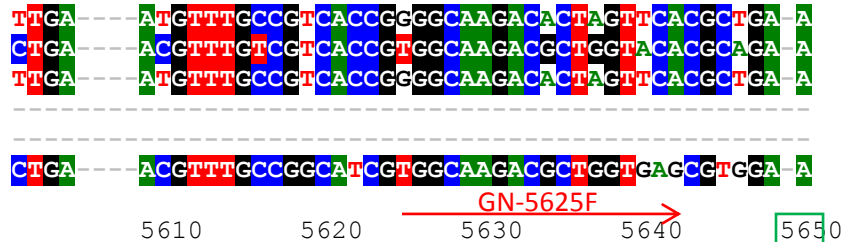
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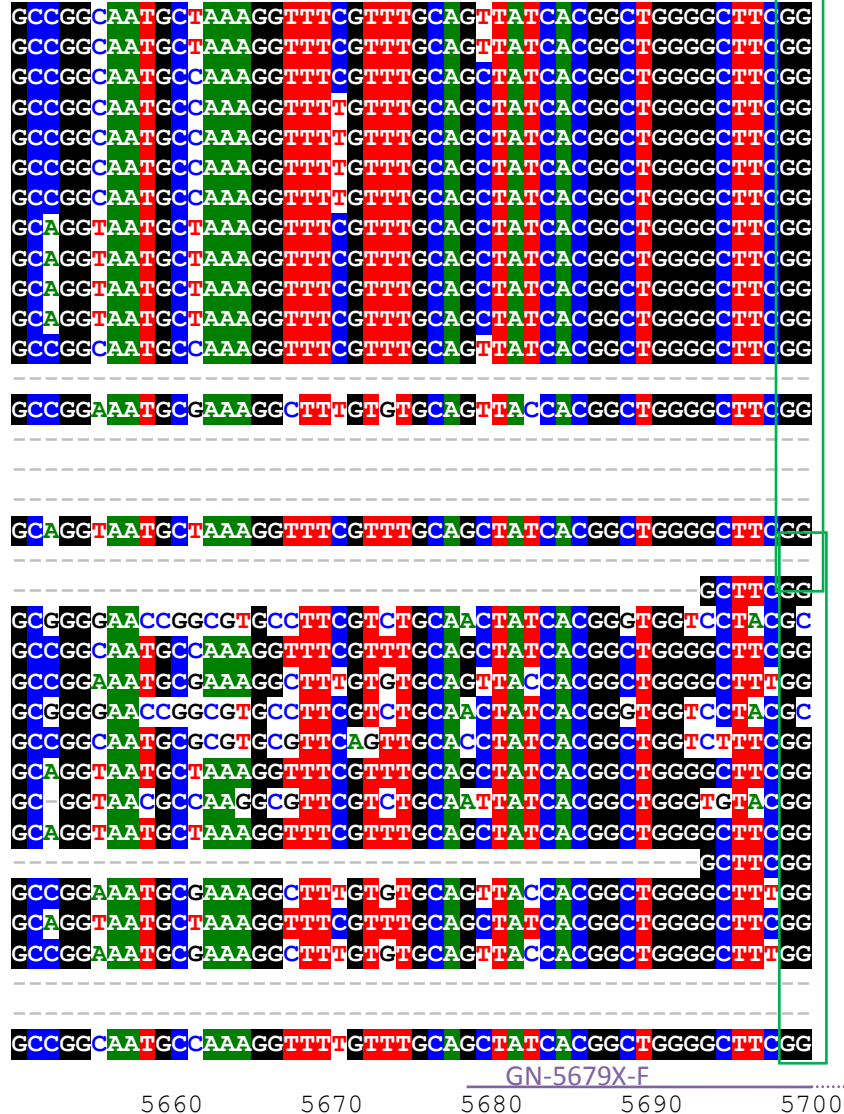
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gi|4104750|gb|AF039533.1| CTGA  --- ACGTTTGTCCGGCATTCTGGCAAGACGCTGGTGAAGCGTGGGA  A
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gi|300391841|gb|HM204990. CTGA  --- ACGTTTGTCCGGCATTCTGGCAAGACGCTGGTGAAGCGTGGGA  A
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gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1 CTGA  --- ACGTTTGTCCGGCATTCTGGCAAGACGCTGGTGAACGCGGA  A
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gi|50725016|dbj|AB161232. CTCA  --- ATGTTCTGTCCGGCACCCTGGTCTCCGCTATGCCCTGTTCGA  G
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gb|EU910094.1|:1191-2549 CTGA  --- ATGTTTGTCCGGCATTCTGGCAAGACGCTGGTGAAGCGTGGGA  A
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gi|270118907|emb|FM882254 ATCA  --- ATTCGTTGCACGCACCCTGGCAAGACGCTGGTGAAGCGTGGGA  A
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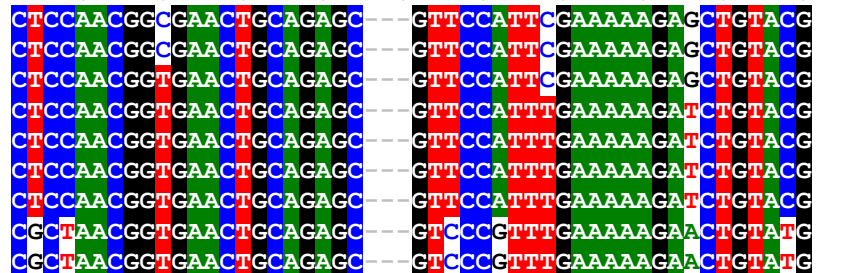


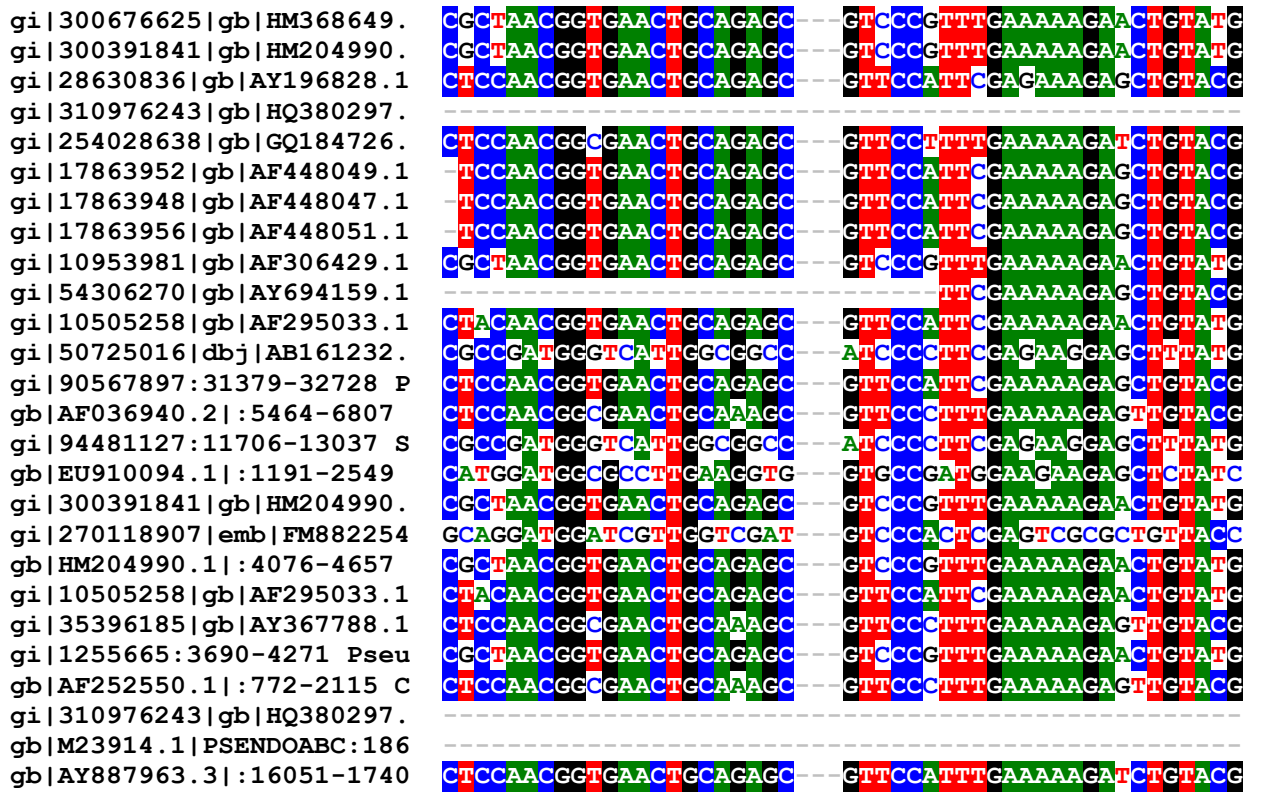
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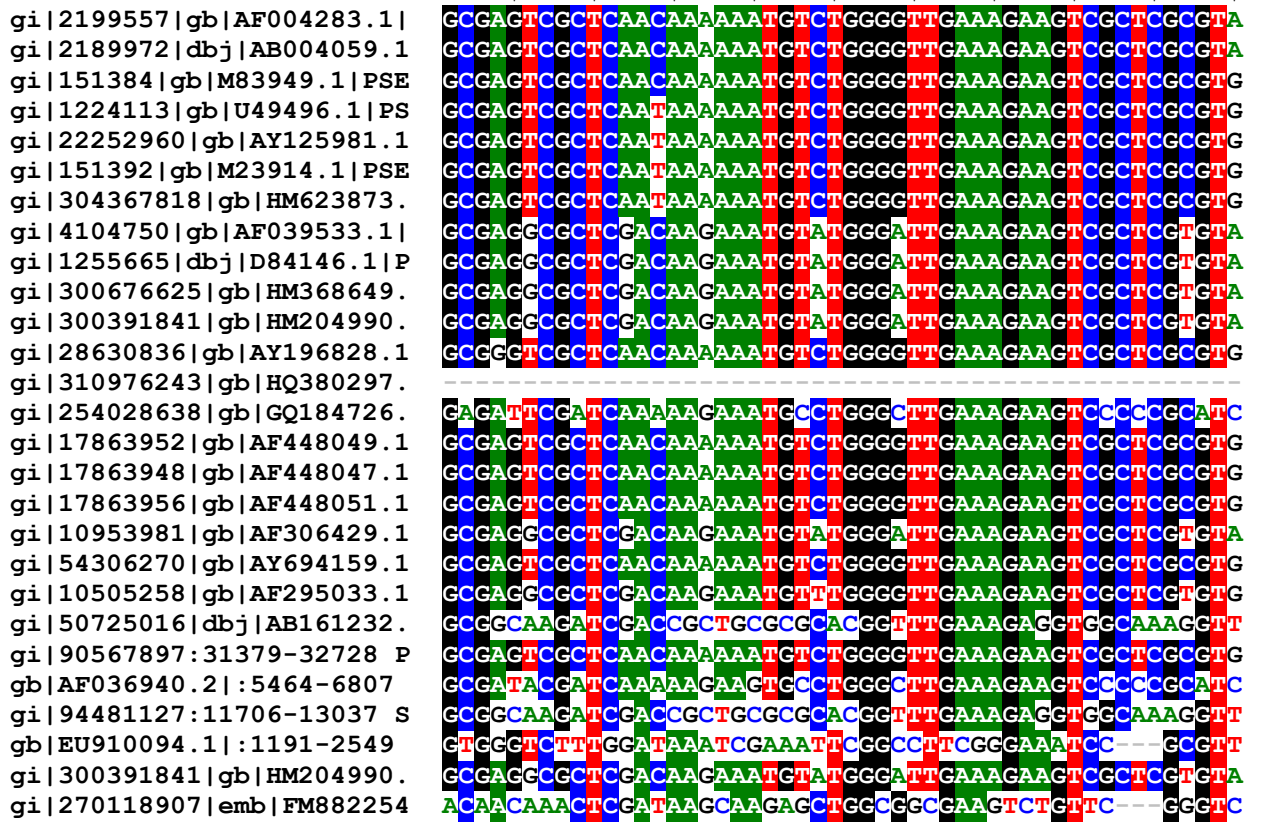
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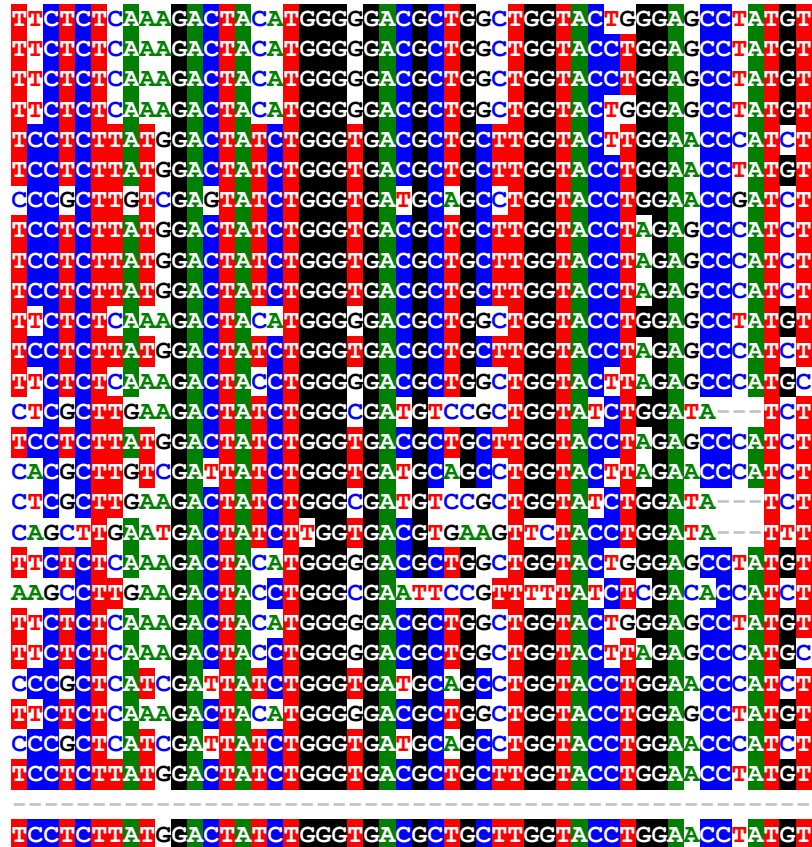
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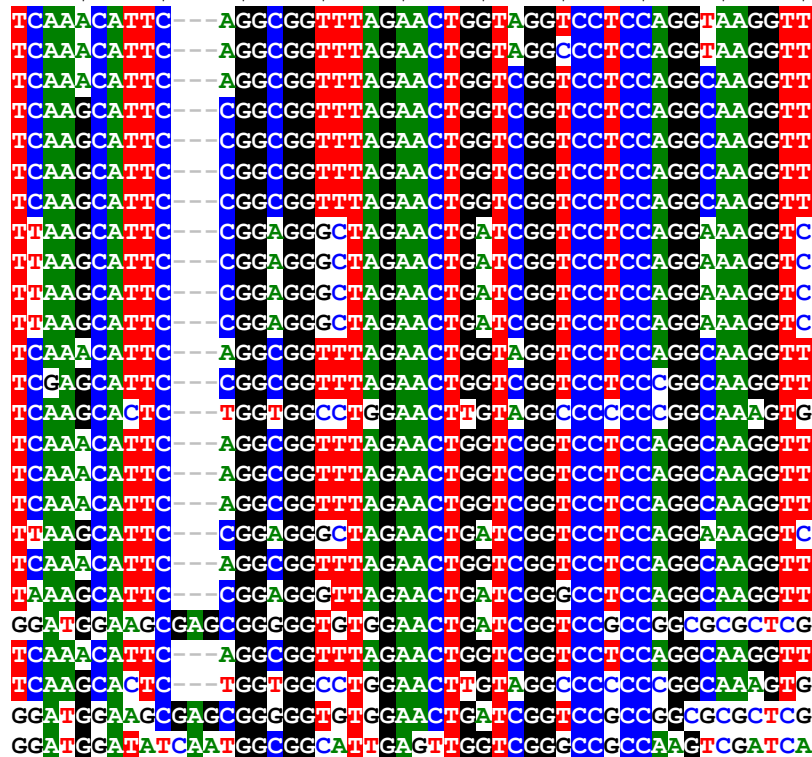
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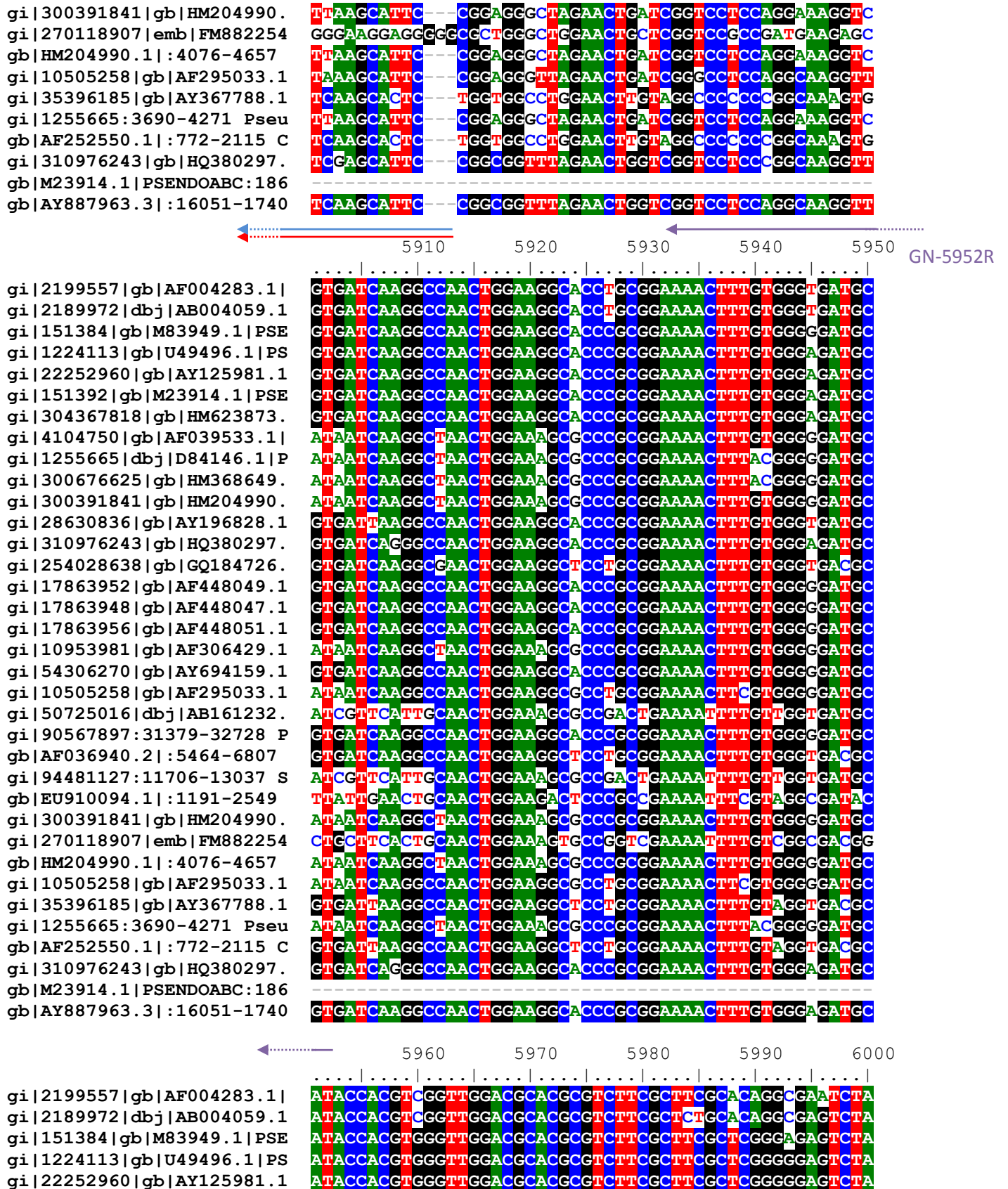
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6060 6070 6080 6090 6100

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gb|EU910094.1|:1191-2549 GGCTTGCAAATGACCAGCAAGTATGGCAG -- TGGAAATCGGCGTATTGTGG
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6110 6120 6130 6140 6150

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gi|151392|gb|M23914.1|PSE GACGGATATTCAGGTTGTGCATAGCG ---- CAGACTTGGTTCCGGAATT
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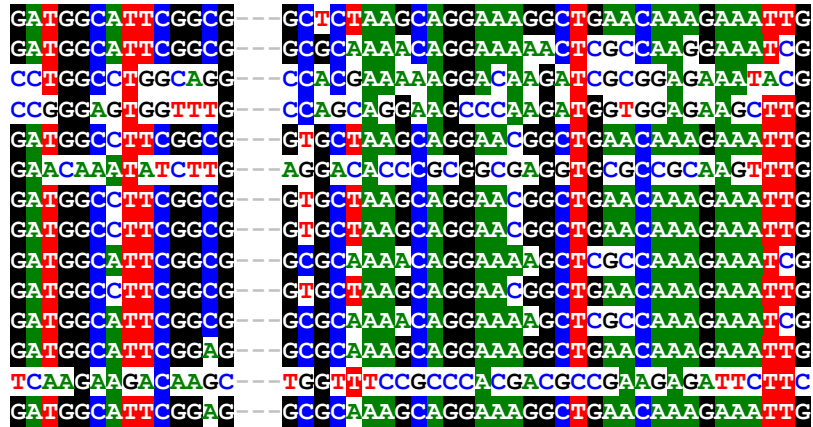
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gb|HM204990.1|:4076-4657
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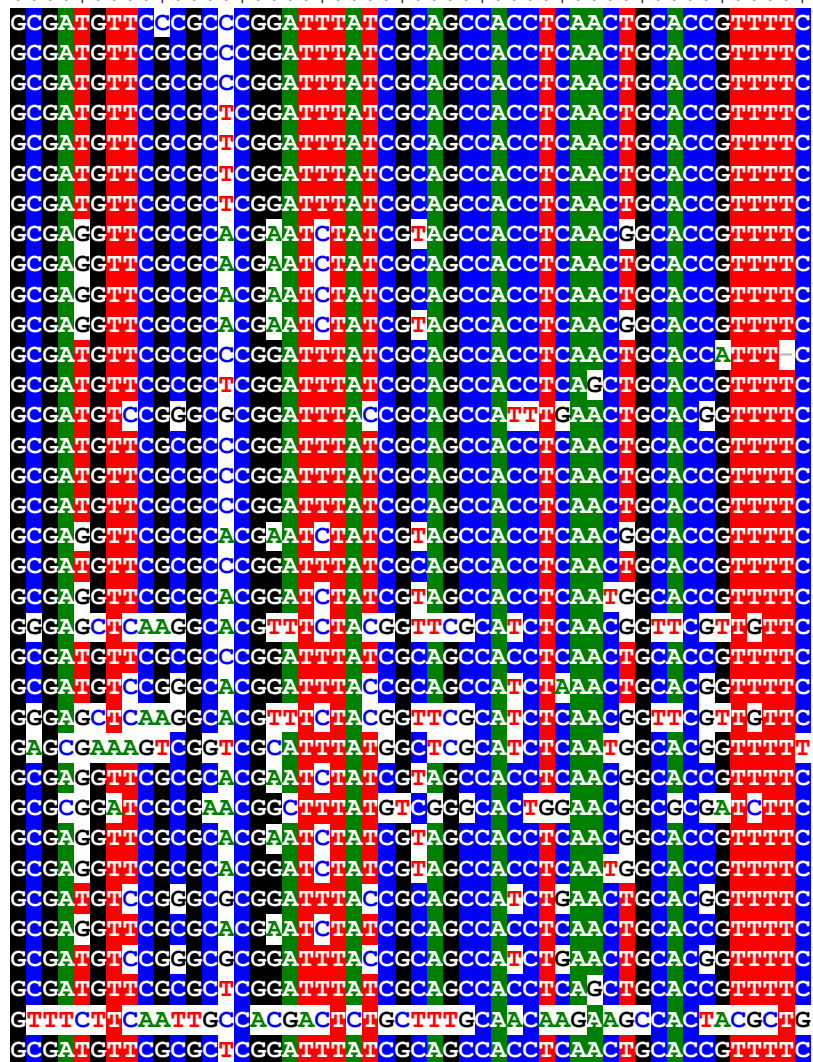


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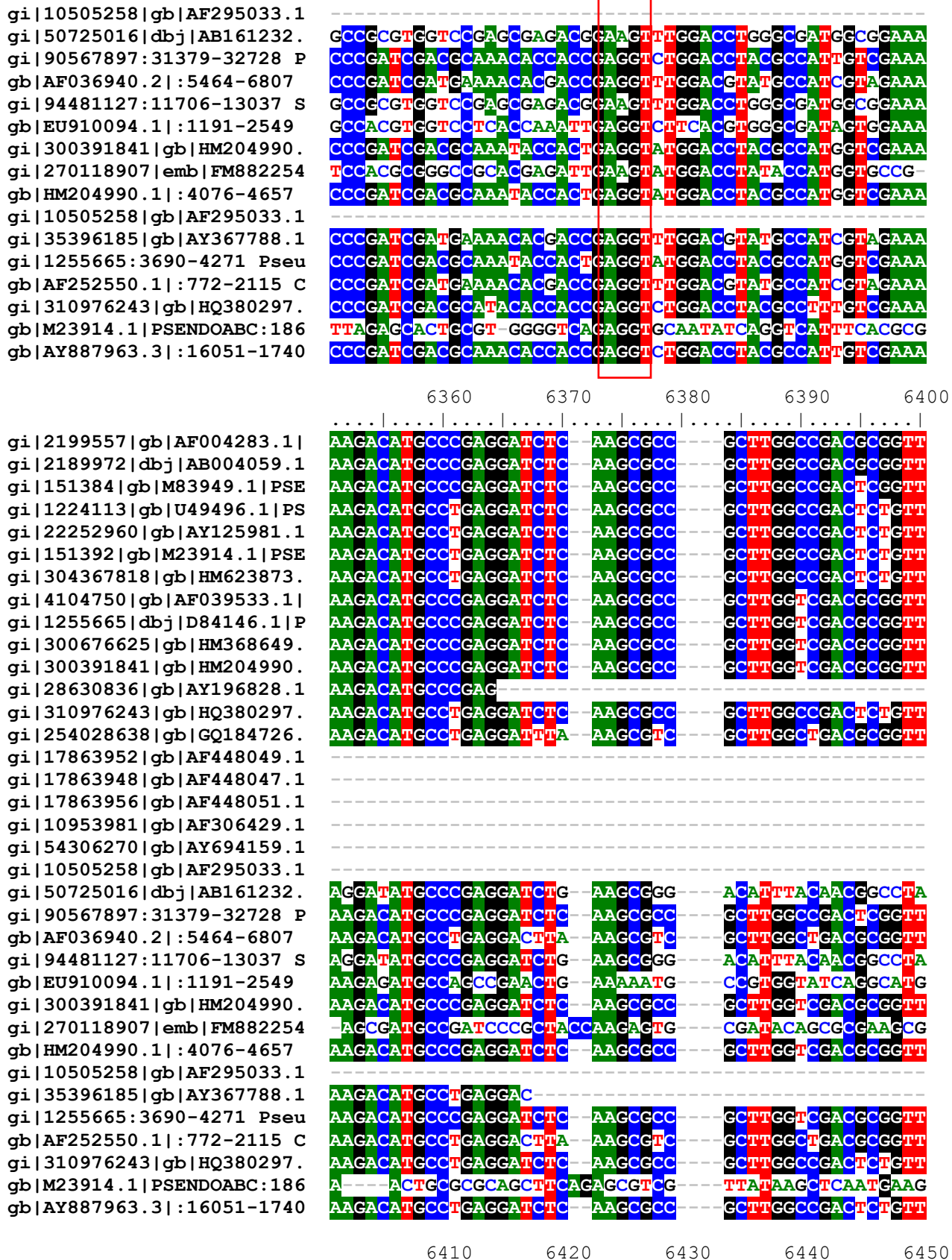
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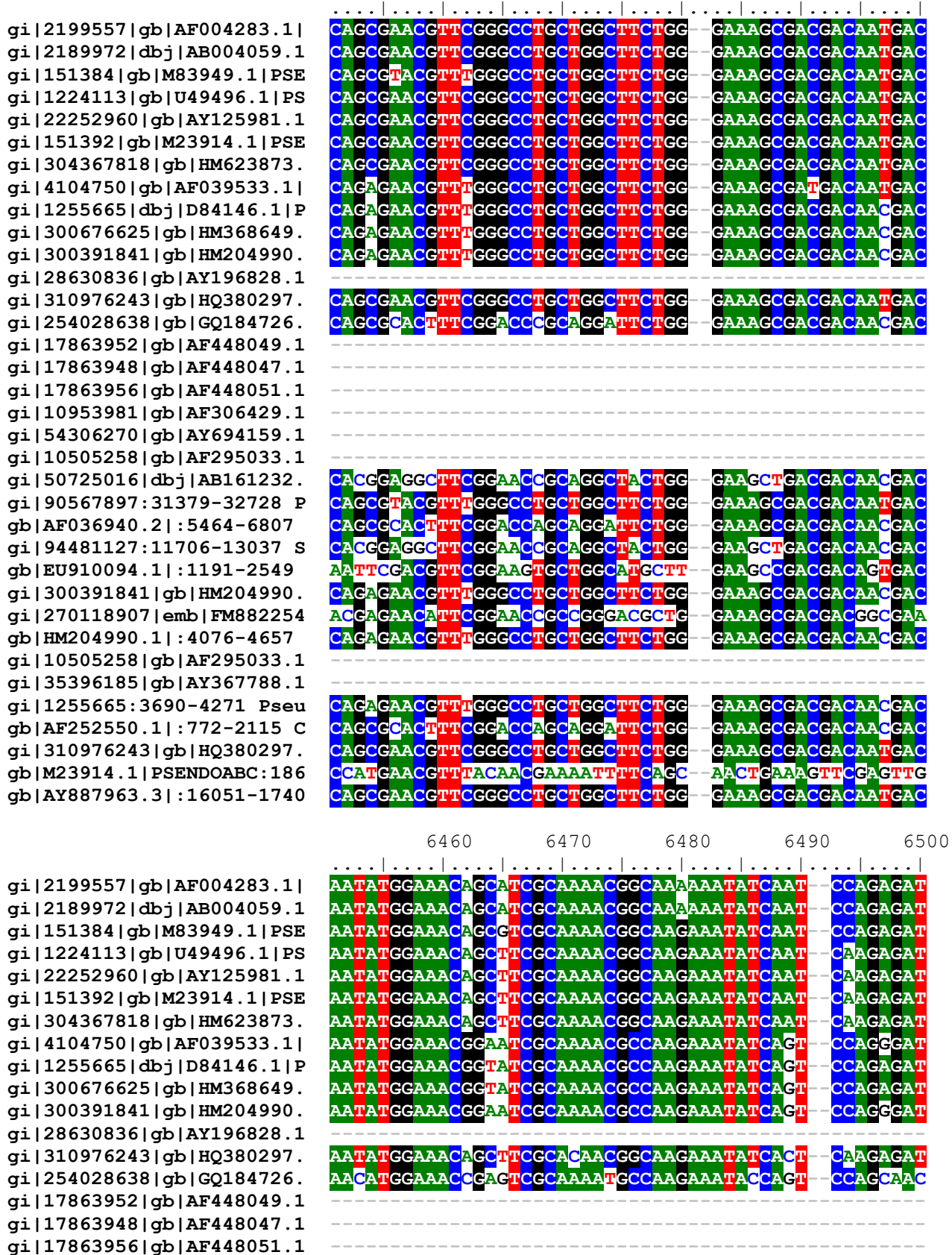
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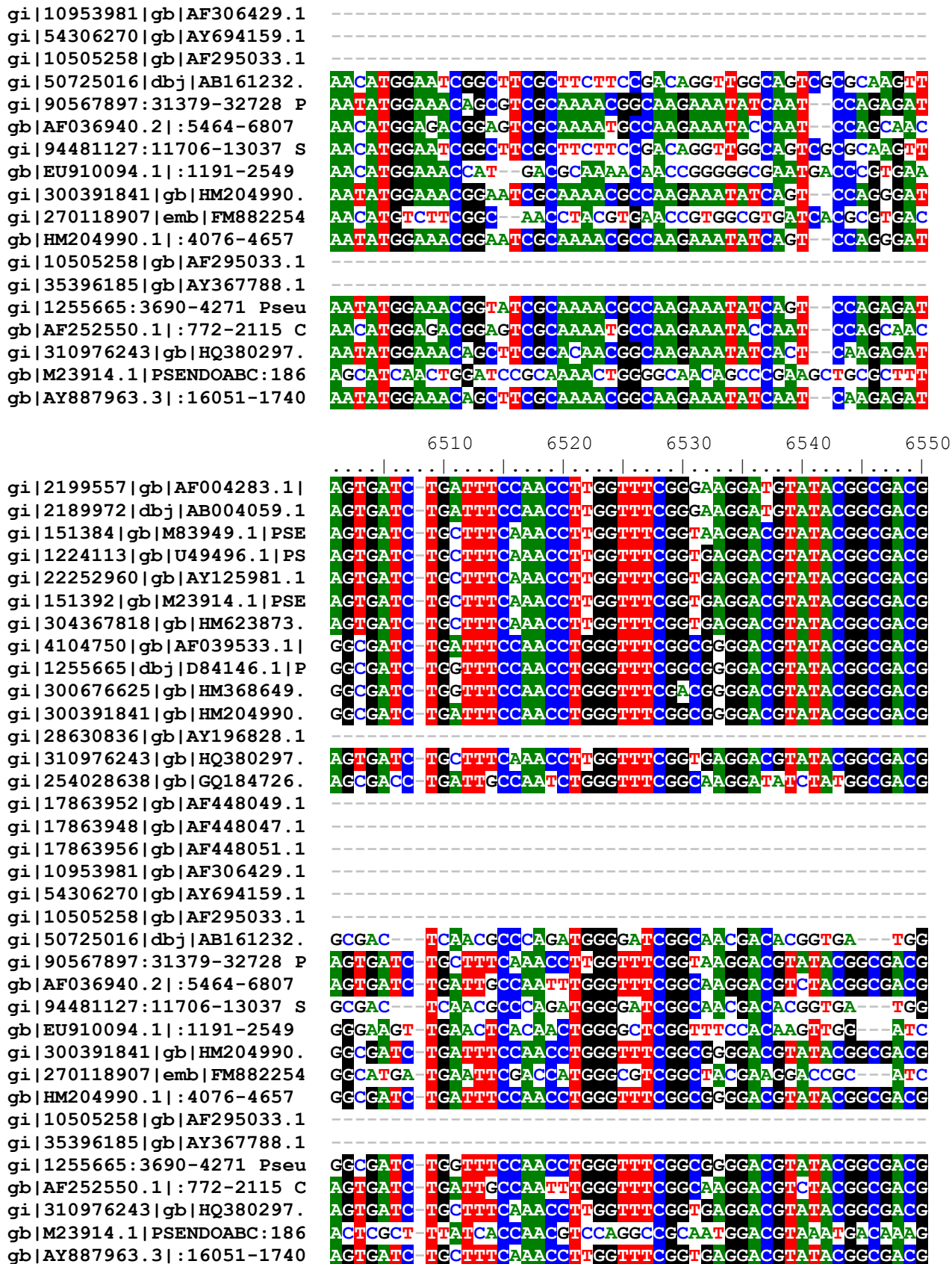
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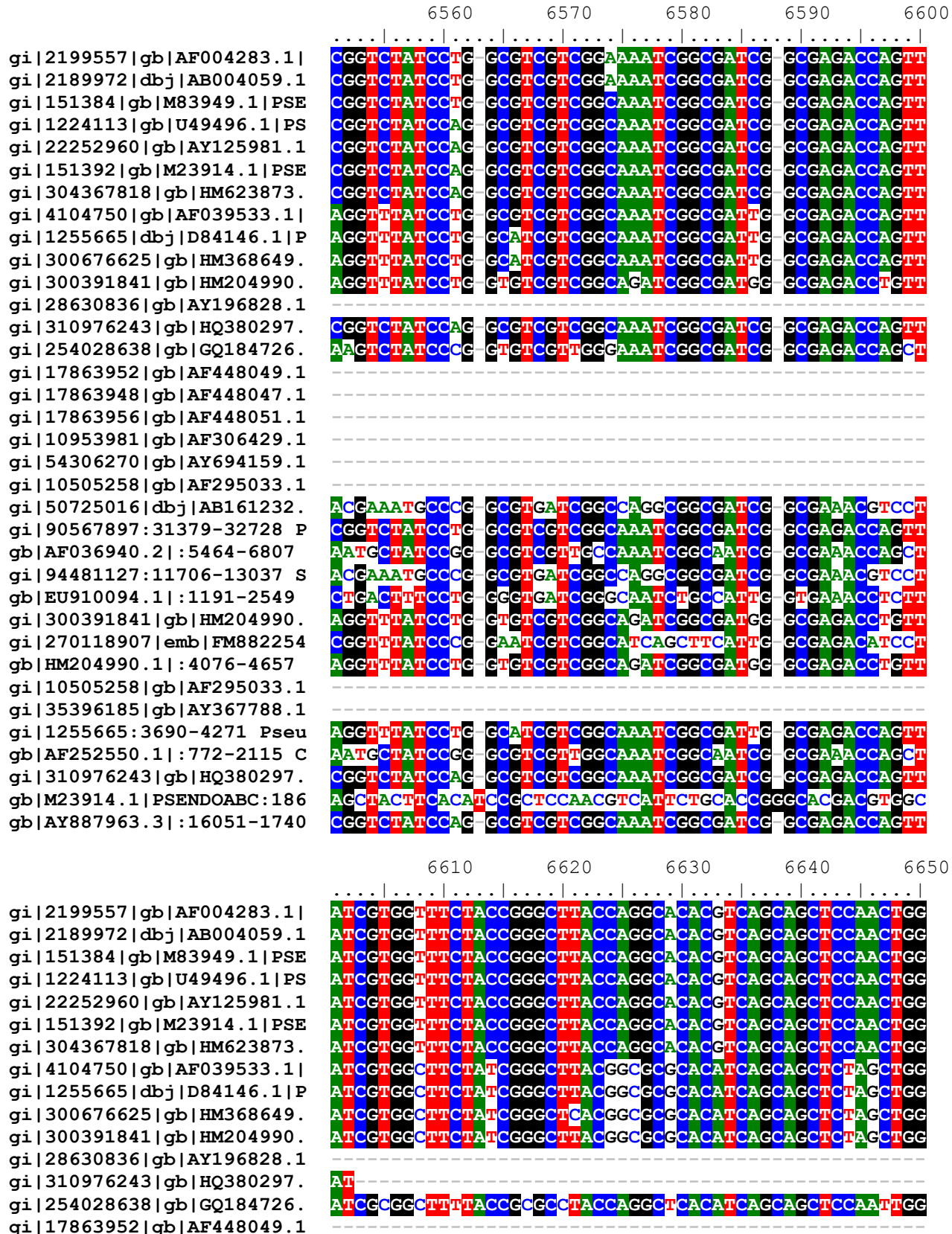
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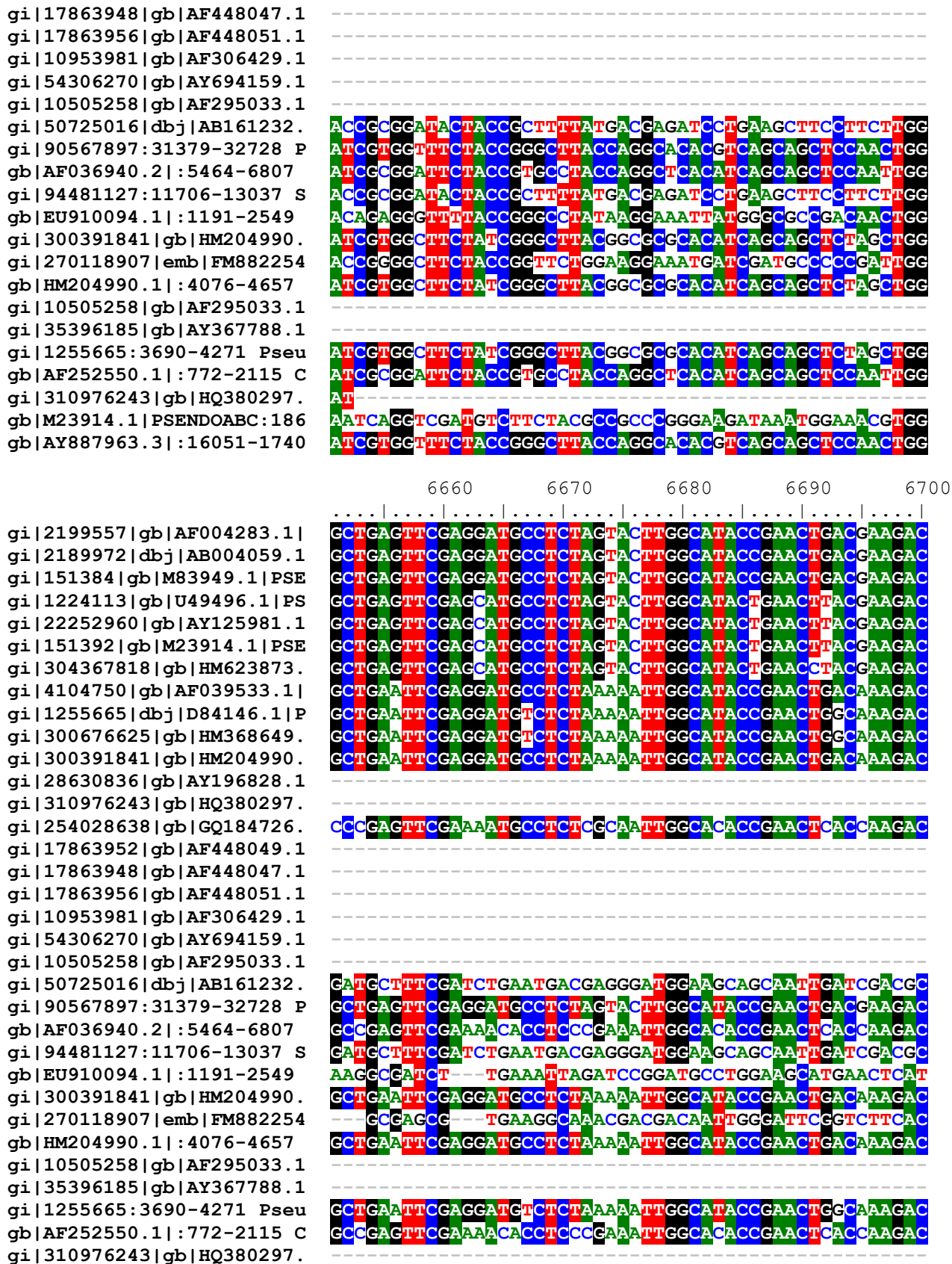


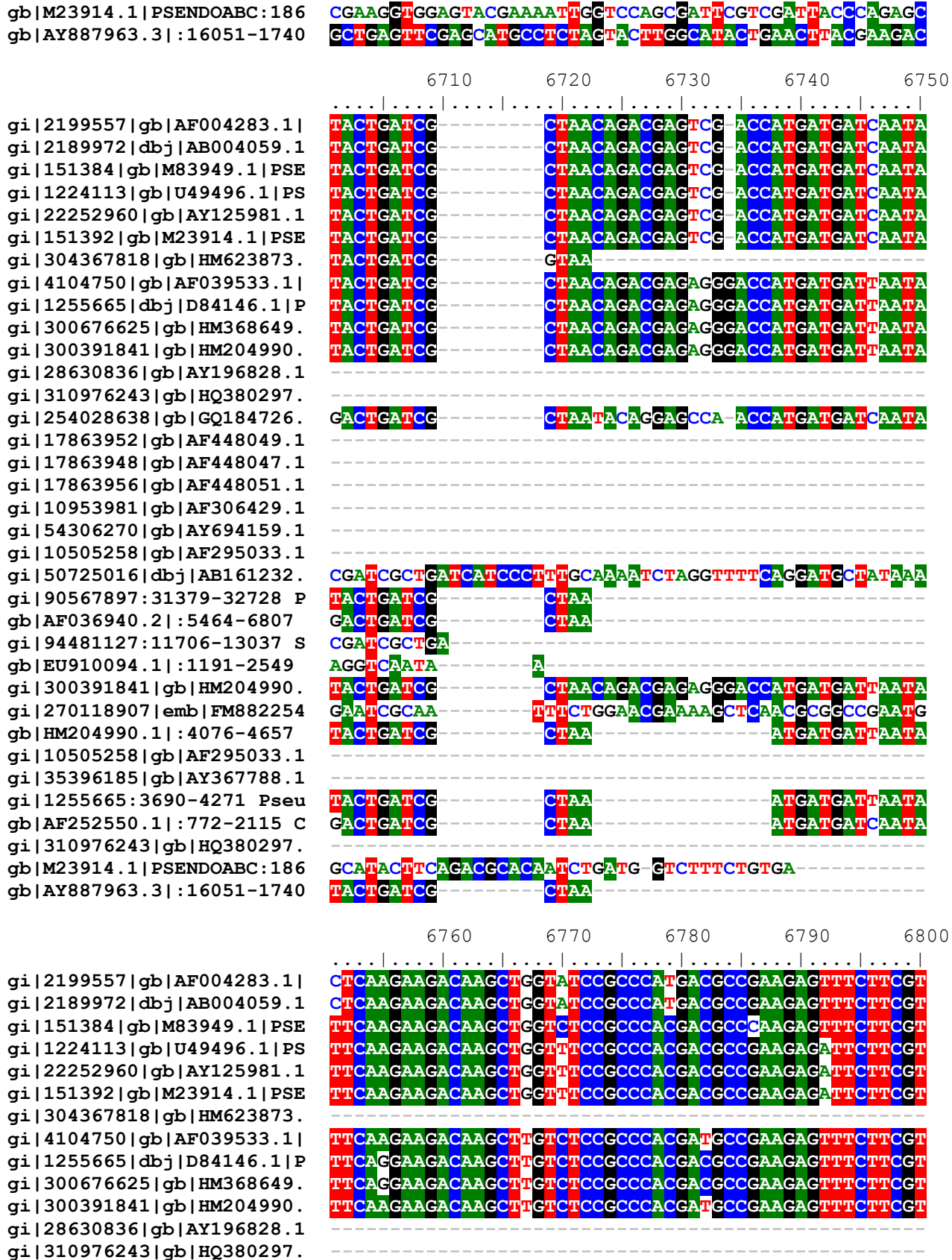












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gi|2199557|gb|AF004283.1|  
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 gi|151384|gb|M83949.1|PSE  
 gi|1224113|gb|U49496.1|PS  
 gi|22252960|gb|AY125981.1  
 gi|151392|gb|M23914.1|PSE  
 gi|304367818|gb|HM623873.  
 gi|4104750|gb|AF039533.1|  
 gi|1255665|dbj|D84146.1|P  
 gi|300676625|gb|HM368649.  
 gi|300391841|gb|HM204990.

6910 6920 6930 6940 6950

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gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
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gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
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gb|AY887963.3|:16051-1740

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TGGCTCGACGAGATGATCCATCCGACATTCGTTATGTCATAATCAGCCG

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6960 6970 6980 6990 7000

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gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
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gi|17863956|gb|AF448051.1
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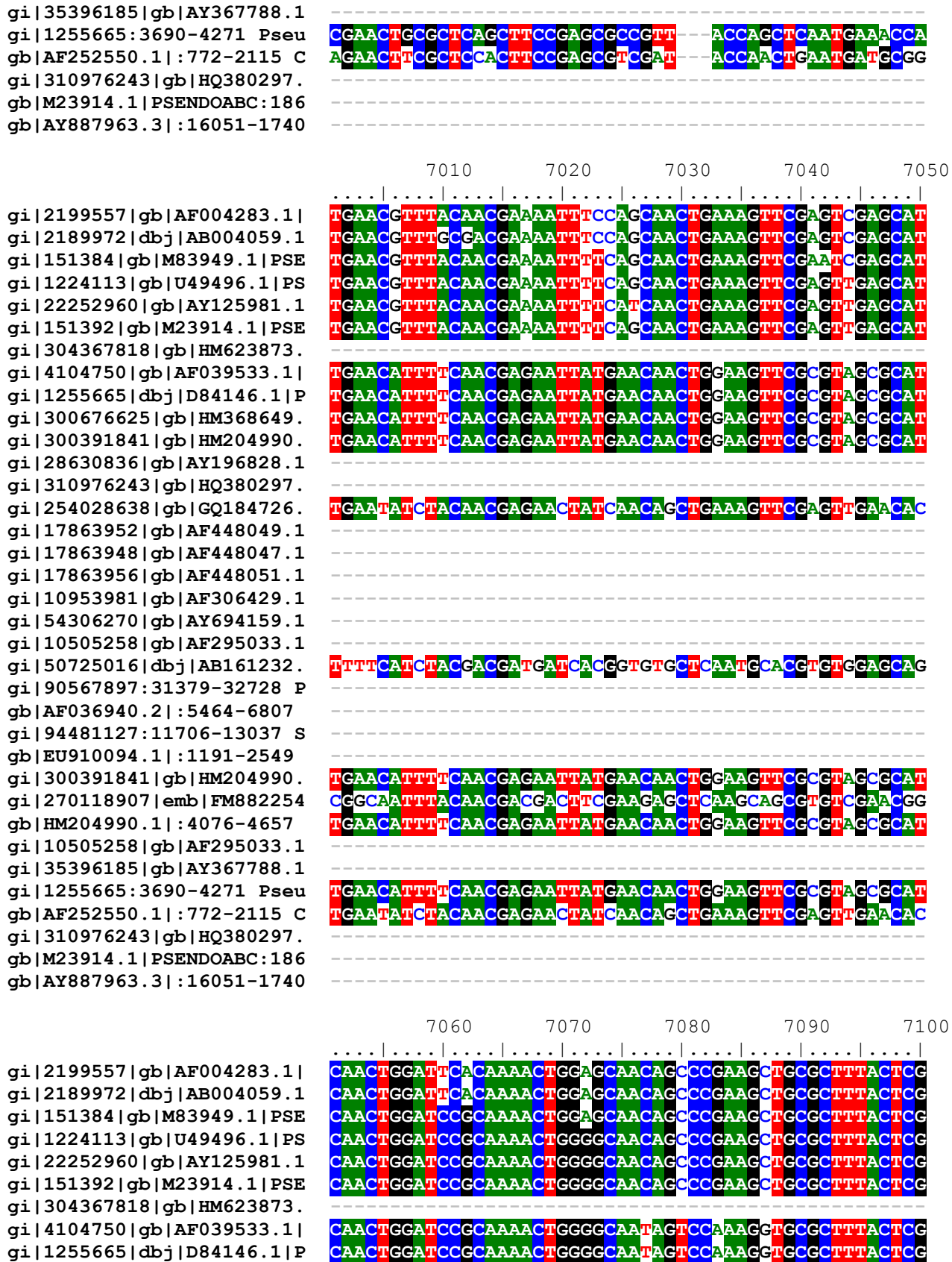
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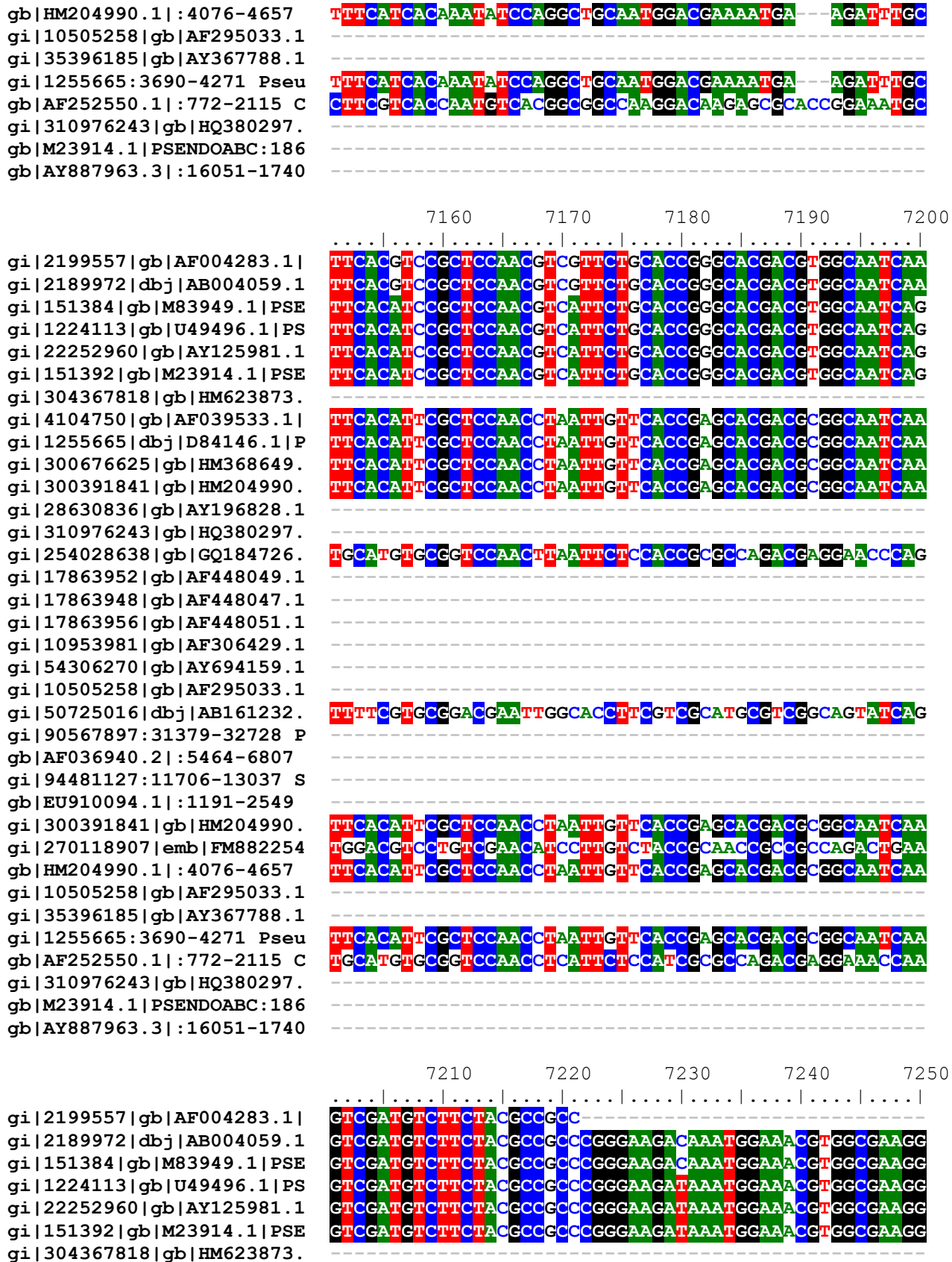
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gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CAGATGGATCCCTCAGAACTGGGC CCAACAGCCCGAAGATCCGCTTTCACCCG
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. CAGTTGCATCCGCAAACTGGGC CCAACAGCCCGAAGGTGCGCTTTCACCCG
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990. CAACTGGATCCGCAAAACTGGGGCAAAGTCCAAAGGTGCGCTTTACTCG
gi|270118907|emb|FM882254 CTTTATTCAGGTCAGGCTGGATGGAGGATCCGCCATCCAAAATCCGGTA
gb|HM204990.1|:4076-4657 CAACTGGATCCGCAAAACTGGGGCAAAGTCCAAAGGTGCGCTTTACTCG
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu CAACTGGATCCGCAAAACTGGGGCAAAGTCCAAAGGTGCGCTTTACTCG
gb|AF252550.1|:772-2115 C CAGATGGATCCCTCAGAACTGGGC CCAACAGCCCGAAGATCCGCTTTCACCCG
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gi|2189972|dbj|AB004059.1| CTTTCATCACCAATGTCCAGGCCGCAATCGAGCTAAAATGATGAAGATCTGC
gi|151384|gb|M83949.1|PSE CTTTCATCACCAATGTCCAGGCCGCAAGGGACGTACATGACGAAGAGCTTAC
gi|1224113|gb|U49496.1|PS CTTTATCACCAACGTCCAGGCCGCAATGGACGTAAAATGACAAAGAGCTTAC
gi|22252960|gb|AY125981.1| CTTTATCACCAACGTCCAGGCCGCAATGGACGTAAAATGACAAAGAGCTTAC
gi|151392|gb|M23914.1|PSE CTTTATCACCAACGTCCAGGCCGCAATGGACGTAAAATGACAAAGAGCTTAC
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TTTCATCACAAATATCCAGGCTGCAATGGACGAAAAATGA -- AGATTTGC
gi|1255665|dbj|D84146.1|P TTTCATCACAAATATCCAGGCTGCAATGGACGAAAAATGA -- AGATTTGC
gi|300676625|gb|HM368649. TTTCATCACAAATATCCAGGCTGCAATGGACGAAAAATGA -- AGATTTGC
gi|300391841|gb|HM204990. TTTCATCACAAATATCCAGGCTGCAATGGACGAAAAATGA -- AGATTTGC
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CTTTCATCACCAATGTTCACAGCGGCCAAGGACAAAGATCGCACCGGAAATGC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. GATCGGCACAAA CTTCCAGGTTTACCAAAGGTAGCGCAA -- AGACAGGC
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990. TTTCATCACAAATATCCAGGCTGCAATGGACGAAAAATGA -- AGATTTGC
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gi|4104750|gb|AF039533.1| GTCGATGTCCTTCTATGCCACTTCGGGAGGATAAAATGGAAGCGCGGC GAAGA
gi|1255665|dbj|D84146.1|P GTCGATGTCCTTCTATGCCACTTCGGGAGGATAAAATGGAAGCGCGGC GAAGA
gi|300676625|gb|HM368649. GTCGATGTCCTTCTATGCCACTTCGGGAGGATAAAATGGAAGCGCGGC GAAGA
gi|300391841|gb|HM204990. GTCGATGTCCTTCTATGCCACTTCGGGAGGATAAAATGGAAGCGCGGC GAAGA
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GTTGACGTCCTTCTATGCAACCGTGAAGACAAATGGAAGCGCATCGAAGG
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. ATTCGACGATTTTATCTATTCCCGACACGACGAGCTGGTCATCACCCGGA
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gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990. GTCGATGTCCTTCTATGCCACTTCGGGAGGATAAAATGGAAGCGCGGC GAAGA
gi|270118907|emb|FM882254 GTCACGGTGCATACATTGGGGCGTGAAGACAAATTTCGCCAGGACGG
gb|HM204990.1|:4076-4657 GTCGATGTCCTTCTATGCCACTTCGGGAGGATAAAATGGAAGCGCGGC GAAGA
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu GTTCGATGTCCTTCTATGCCACTTCGGGAGGATAAAATGGAAGCGCGGC GAAGA
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gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
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7260            7270            7280            7290            7300

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gi|151384|gb|M83949.1|PSE TGGAGTGGCAAAAATTGGTCCAGCGATTTCGTTGATTACCCAGAGCGCATAAC
gi|1224113|gb|U49496.1|PS TGGAGTACGAAAATTGGTCCAGCGATTTCGTTGATTACCCAGAGCGCATAAC
gi|22252960|gb|AY125981.1 TGGAGTACGAAAATTGGTCCAGCGATTTCGTTGATTACCCAGAGCGCATAAC
gi|151392|gb|M23914.1|PSE TGGAGTACGAAAATTGGTCCAGCGATTTCGTTGATTACCCAGAGCGCATAAC
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TGGAGCGCGTAAGTTGGTCCAACGATTGATTGATTATCCAGAGCGCACAT
gi|1255665|dbj|D84146.1|P TGGAGCGCGTAAGTTGGTCCAACGATTGATTGATTATCCAGAGCGCACAT
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gi|300391841|gb|HM204990. TGGAGCGCGTAAGTTGGTCCAACGATTGATTGATTATCCAGAGCGCACAT
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TGGTGGCATCAAATTGGTCCGAAACGCTTTGTTGACTACCCGGAGCGCATTC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. TCAGGGGTTCAAGTTTCGTTGAAGCGCTTCATTGCGTTCCGCGGAGCGCGGTG
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gi|1255665:3690-4271 PseuTGGAGCGCGTAAGTTGGTCCAACGATTGATTGATTATCCAGAGCGCACAT
gb|AF252550.1|:772-2115 CTGGTGGTATCCAACCTGGTGGAACGTTCTGTGGACTACCCGAGCGCATTC
gi|310976243|gb|HQ380297.1|
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gb|AY887963.3|:16051-1740

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7310 7320 7330 7340 7350

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gi|1224113|gb|U49496.1|PSETTCAGACGCACAATCTGATGGTCTTTCTGTGATCCAGTGACCACCTTTTAC
gi|22252960|gb|AY125981.1|TTCAGACGCACAATCTGATGGTCTTTCTGTGATCCAGTGACCACCTTTTAC
gi|151392|gb|M23914.1|PSETTCAGACGCACAATCTGATGGTCTTTCTGTGATCCAGTGACCACCTTTTAC
gi|304367818|gb|HM623873.1|
gi|4104750|gb|AF039533.1|TCCAGACGCACAATCTGATGATCTTTATGTGACCCCAATAATCGCCTTTAC
gi|1255665|dbj|D84146.1|PTCCAGACGCACAATCTGATGATCTTTATGTGACCCCAATAATCGCCTTTAC
gi|300676625|gb|HM368649.1|TCCAGACGCACAATCTGATGATCTTTATGTGACCCCAATAATCGCCTTTAC
gi|300391841|gb|HM204990.1|TCCAGACGCACAATCTGATGATCTTTATGTGACCCCAATAATCGCCTTTAC
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.1|

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gi|254028638|gb|GQ184726.1|TCCAGACCCACAATCTGATGACCTTCTCTGTGAAGAACCTTGGGGATGCCT
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gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
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gi|50725016|dbj|AB161232.1|TGCAGGGCCGTAATATGACGCTGTTCTCTGTAAGCGCCTGGCATAAAGCAA
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gi|94481127:11706-13037 Sgb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.1|TCCAGACGCACAATCTGATGATCTTTATGTGAC
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gb|AF252550.1|:772-2115 CTCCAGACCCACAATCTGTGACCTTCTGTGAC
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gb|M23914.1|PSENDOABC:186
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7360 7370 7380 7390 7400

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gi|1255665|dbj|D84146.1|P AAAATGGTGA CTGCTACAAAGCGGTCCCATTTGTTCAAAAAGGAAATTTATGTG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
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gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
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gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
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gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
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gb|HM204990.1|:4076-4657
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gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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7410 7420 7430 7440 7450  
 ....|....|....|....|....|....|....|....|....|....|

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gi|2189972|dbj|AB004059.1 TATGGGCAATCAACAAGTCGTTTCAATAAC CGGTGC CGGCTCAGGAATC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS TATGGGCAATCAACAAGTCGTTTTCGATAAC CGGTGC
gi|22252960|gb|AY125981.1 TATGGGCAATCAACAAGTCGTTTTCGATAAC CGGTGCAGGCTCAGGAATC
gi|151392|gb|M23914.1|PSE TAT
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TATGAGCAATCAACAAGTCGTTTTCGATAAC CGGTGC TGGCTCAGGAATT
gi|1255665|dbj|D84146.1|P TATGAGCAATCAACAAGTCGTTTTCGATAAC CGGTGC TGGCTCAGGAATT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CATGAGCAATCAGCAAGTTATTGCCATTAC TGGCGCCGGCTCGGGGATC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
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gi|94481127:11706-13037 S -----
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gi|270118907|emb|FM882254 TCAGGGCGGGGAATTCGTCCTCGACACCGTATCGCTCGAAGATCCTCGCG
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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7460 7470 7480 7490 7500

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gi|2189972|dbj|AB004059.1 GGTCTCGAACTGGTTCGATCCTTCAAGTCGGCCGGTTATTGCGTATCCGC
gi|151384|gb|M83949.1|PSE -----
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gi|22252960|gb|AY125981.1 GGTCTCGAACTGGTTCGTCCTTTAAGTCGGCCGGTTATTATCGTATCCGC
gi|151392|gb|M23914.1|PSE -----
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gi|4104750|gb|AF039533.1| GGTCTCGCACTGGTTCGATCCTTAAGTCCGCCGGTTATTGCGTATCCGC
gi|1255665|dbj|D84146.1|P GGTCTCGAACTGGTTCGATCCTTAAGTCCGCCGGTTATTGCGTATCCGC
gi|300676625|gb|HM368649. -----
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gi|17863948|gb|AF448047.1 -----
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gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
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gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TCTCGTACGAAACGAGGAGCAAAAGGCGAGCCCTTTGCAATGAGTTCAAGG
gi|1255665|dbj|D84146.1|P TCTCGTACGAAACGAGGAGCAAAAGGCGAGCCCTTTGCAATGAGTTCAAGG
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gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| ACGCACTCGAGATCGTTCGTGGGCGATGTCCGGGACCACGCAACAAATGAG
gi|1255665|dbj|D84146.1|P ACGCACTCGAGATCGTTCGTGGGCGATGTCCGGGACCACGCAACAAATGAG
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gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
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gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
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gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
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gi|300391841|gb|HM204990.
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gi|17863948|gb|AF448047.1
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gi|10953981|gb|AF306429.1
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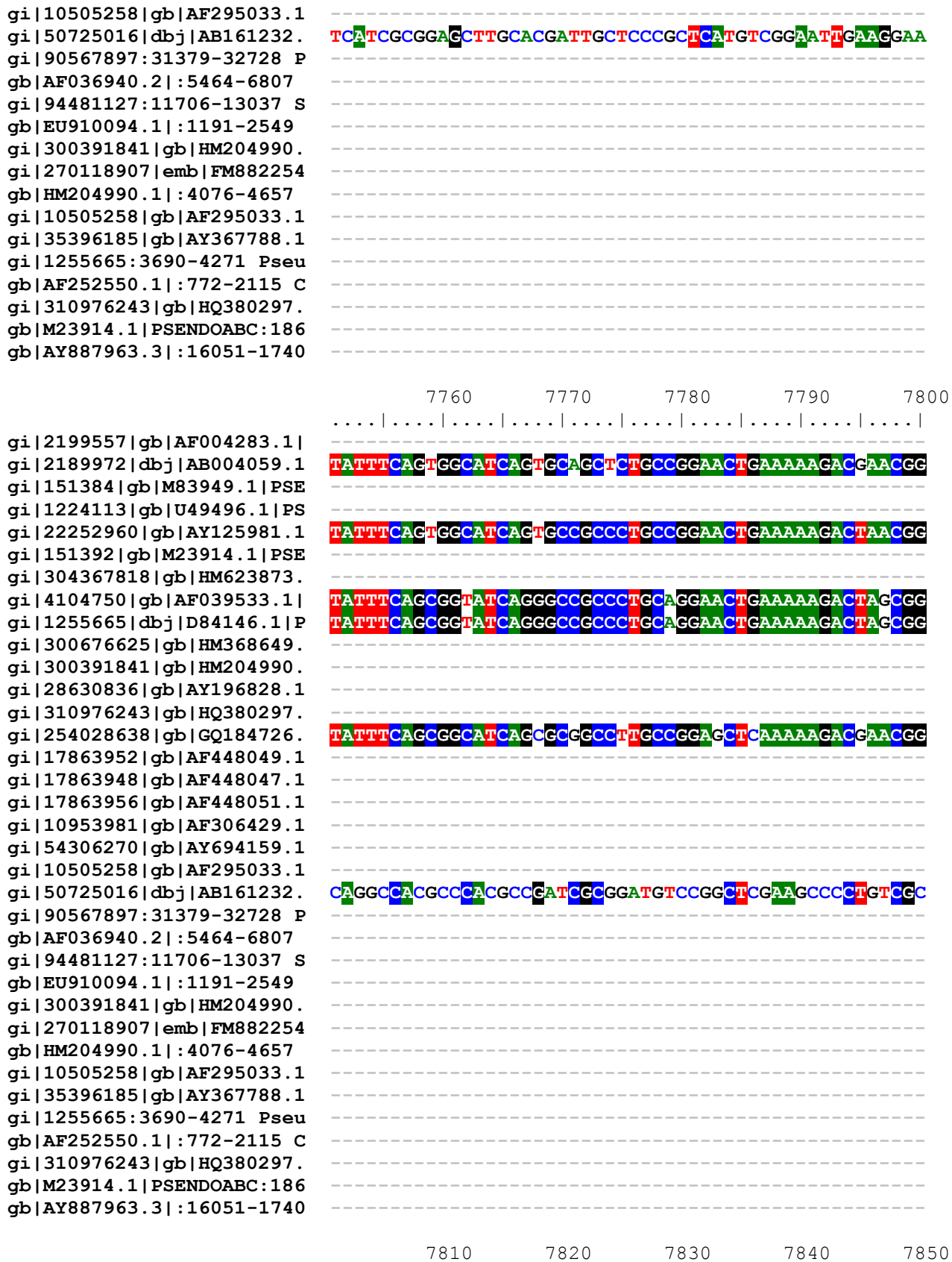


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gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
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gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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gi|151392|gb|M23914.1|PSE
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gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
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gi|22252960|gb|AY125981.1|ATCAGTGGTGATGACCGCTTCGGTGTTCGTCCCATGCGGTCGGTGGTGGTG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|ATCAGTGGTGATGACCGCTTCAGTGTTCGTCCCATGCGGTCGGTGGTGGTG
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gi|300391841|gb|HM204990.
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gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
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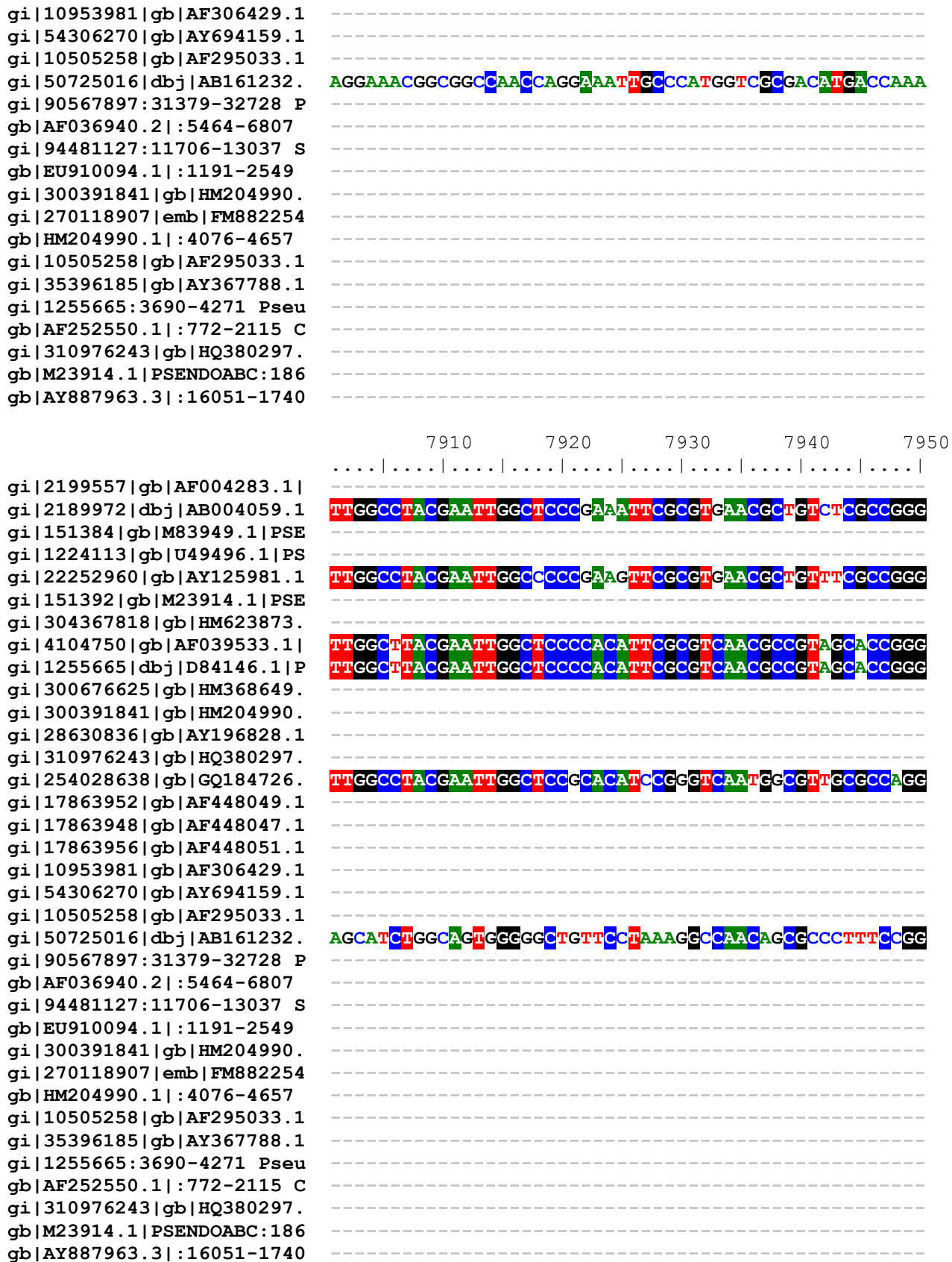
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gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|GTTCTTGCTACATCGCCAGCAAGCATGCGGTGCTCGGTATGGTTAAGGCT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|GTTCTTGCTACATCGCCAGCAAGCATGCGGTCTGGGCATGATGAAAGCT
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GTTCTTGCTACATCGCCAGCAAGCATGCGGTGCTGGGCATGGTCAAGGCT
gi|17863952|gb|AF448049.1
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gi|17863956|gb|AF448051.1

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gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
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gi|1255665|dbj|D84146.1|P CTCACATGGAAAACATGCCCGGTATTCGAGGACATGATCAAAGGGTCTAACG
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gi|300391841|gb|HM204990.
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gi|1224113|gb|U49496.1|PS
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gi|1255665|dbj|D84146.1|P GTTGGCGTCGCGAGATCAAGGGAAAATTCATTACCGGGACTGTCAATTAATA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GCTGGCTTCGCGAAAGCAAGGAAATTCATCACATGGCACCGTAATCGGCA
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. CATCCGGGGGCCGGAACATGCAAGATTCGCAAGTCGGCTGATAGCTTTG
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

      8160      8170      8180      8190      8200
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TTGATGGCGGTATGGCGCTCGGTCGCAAGTGAGCTTGCCAGCCGATCAAAG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TTGATGGCGGTATGGCGCTCGGTCGCAAGTGAGCTTGATAGCCGATCAGAA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TAGATGGAGGGATGGCGCTCGGTCGCAAGTAGGTTTGTCCCTTATCTTGA
gi|1255665|dbj|D84146.1|P TAGATGGAGGGATGGCGCTCGGTCGCAAGTAGGTTTGTCCCTTATCTTGA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.

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```

gi|254028638|gb|GQ184726.      TTTCATGGCGGCATGGCGCTCGGTCGAAAGTGAATTTTCAATCAAATCAGA
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.    CGGTGCTTGGCCCGTGGATGGTCACAGCGGACGAGATTGACGATCCGGGG
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

                                8210      8220      8230      8240      8250
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1    GTTATAGAAAACATTTTT-AGGTGACGCCCCATGAAGACAAAACCTGTTTAT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1    GTTATAGACACATTTTC-AGGTGACGCCCCATGAAGACAAAACCTGTTTAT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|    AATAATAACTTAAATTTTC-TGGTAAAACCGCATGAATACAAAATTGTTTAT
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.    TTTTTCGACCCCATTTCCAGGAGACAAACCCATGAAGACGAAATTGTTTCAAT
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.    TGTCTCGGCCTTGGAAATTCGGGTCAACGGCCAGATTTCGTCAAAGGCCAA
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu

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gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                8260      8270      8280      8290      8300
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CAACAACGCCTGGATCGATTCCAGTGACCAGCAGACCTTCGAGCGCAAGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| CAATAAACGCCTGGATCGATTCTAGTGACCAGCAGACCTTCGAGCGCAATAC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CAACAATGTTCTGGGTCGAATTCCAGTGACCAACAGACCTTCGAGCGAAAGC
gi|1255665|dbj|D84146.1|P CAACAATGTTCTGGATCAATTCCAGTGACCAACAGACCTTCGAGCGAAAGC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CAACAACAACCTGGAGCGCTTCGAGTGACAAAAGTTCATTTCGATTCGCAAGGC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. CACCCGCGATCTTGTCTACGACGTTCCCAAGCTGATCGAATACGCCTCCT
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

                                8310      8320      8330      8340      8350
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ACCCCGTCAAACAGCGGAGGTGATGACTGAGAGCGCAAACGCCACGGTGACG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| ACCCCGTCAGCAGCGGATGTTGGTGAAGTGAAGAGCGCAAACGCCACAGTGACG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| ACCCCGTCAGTGGTGAAGGTGATGACGGAGTGTGCAAACGCCACGGTGATG
gi|1255665|dbj|D84146.1|P ACCCCGTCAGTGGTGAAGGTGATGACGGAGTGTGCAAACGCCACGGTGATG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

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gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. ACCCTGTCAATGGCGCGGTCTGTGACCGAATGCGCGAACGCCACGGTGGAC
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. CGATGTATCAACTCAATCCTGGCGATGTCATTTTACTGGCACGCCGGAA
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     8360      8370      8380      8390      8400
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| GACCGGATAAAGGCCGCGCAAGTGGCCGAGGAGGCATTCAAGACCTGGAA
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| GACCGGATAAAGGCCGCGCAAGCGCCGAGGAGGCATTCAAGACCTGGAA
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GATGCGTTAAAGGCCGCGCAAGCTGCCCAAGAGGCATTCCAGACCTGGAA
gi|1255665|dbj|D84146.1|P GATGCGTTAAAGGCCGCGCAAGCTGCCCAAGAGGCATTCCAGACCTGGAA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. GATGCGGTCAATGCGGCTCGAGCCGCTCAAGAGGCATTCAAGTCTTGGAA
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. GGAGTCGGGCCCATCGAAGCGGAGATAGGATCGAGGCCGAGGATCAGCGA
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----

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gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                8410      8420      8430      8440      8450
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GGACGTTGGACCTTCGGAGCGTCGCCGCCCTTCTCCTGAAGGTCGCCGATG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| GGCCGTTGGACCTTCAGAGCGTCGCCGCCCTTCTCCTAAAGGTCGCCGATG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| GACTGTTGGACCTTCGGAGCGTCGCCGCCCTTCTGCTGAGGGTCGCTGAGG
gi|1255665|dbj|D84146.1|P GACTGTTGGACCTTCGGAGCGTCGCCGCCCTTCTGCTGAGGGTCGCTGAGG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GGCCGTCGCCCCCTTCGGAGCGGCGGCCGCCCTTCTTTTGAAGGTGGCAGACG
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. GATCGGCCGAAATTGCCGTCGATGTGGCTCTGAAATTGTCGCGCTTCCGC
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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                                8460      8470      8480      8490      8500
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TCATGGAAAGTAAAAACACCCAGTTTATCGAAGTGATGGCCATGGAGGTG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TCATGGAAAGTAAAAACACCCAGTTTATCGAAGTGATGGCCATGGAGGTG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TTATGGAAAGTAAAAACACCCGAGTTTATCGAAGTGATGGCCAAGGAGGTG
gi|1255665|dbj|D84146.1|P TTATGGAAAGTAAAAACACCCGAGTTTATCGAAGTGATGGCCAAGGAGGTG

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gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. TCATGGAGAGCAAAAACGCCCGAGTTCATCGAAGTGATGGCCAAGGAAGTG
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. GACACGATCCTGTTCTCGAGGAAATGCAATGCTTGAAATCGGCATGATCG
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

      8510      8520      8530      8540      8550
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| GGAGCTTCCGCTCTTTGGGCCGGATTCAACGTCCATGCGTCTGCCAATGT
gi|2189972|dbj|AB004059.1| GGAGCTTCCGCTCTTTGGGCCGGATTCAACGTCCATGCGTCTGCCAATGT
gi|151384|gb|M83949.1|PSE GGAGCTTCCGCTCTTTGGGCCGGATTCAACGTCCATGCGTCTGCCAATGT
gi|1224113|gb|U49496.1|PS GGAGCTTCCGCTCTTTGGGCCGGATTCAACGTCCATGCGTCTGCCAATGT
gi|22252960|gb|AY125981.1| GGAGCTTCCGCTCTTTGGGCCGGATTCAACGTCCATGCGTCTGCCAATGT
gi|151392|gb|M23914.1|PSE GGAGCTTCCGCTCTTTGGGCCGGATTCAACGTCCATGCGTCTGCCAATGT
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GGAGCCTCCGCTCTTTGGGCCGGCTTCAATGTCCAGATGTGAGCCAATGT
gi|1255665|dbj|D84146.1|P GGAGCCTCCGCTCTTTGGGCCGGCTTCAATGTCCAGATGTGAGCCAATGT
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. GGAGCCTCCGCTCTTTGGGCCGGCTTCAACGTGCACCTGTCGGCCAATGT
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. TCCAAGTCAAACCGATACGCAAGGATCGTGCAATGCGACGAAGCCGAAGGG
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----

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gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

      8560      8570      8580      8590      8600
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|GTTCCGGGAGGCTGCCTCGCTGGCCACTC AAAATTCAGGGCGAAAACCATCC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|GTTCCGAGAGGCTGCCTCGCTGGCTACCCAAAATTCAGGGGTGAAAACCATCC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|GTTCCGTGAAGCGGCATCGCTGGCTACACAAAATTCAGGGGGAAAAC TATTC
gi|1255665|dbj|D84146.1|PGTTCCGTGAAGCGGCATCGCTGGCTACACAAAATTCAGGGGGAAAAC TATTC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GTTCCGGGAAGCCGCCTCACTGGCCACGCAAATACAAAGGTGAAAACCATTC
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. TTGCTCGACGTGCTTCTTCGGGAAGGTC TGCCCATTTCTTACAGCTTGCAA
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

      8610      8620      8630      8640      8650
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CAACGGACAAAGCCGAAAACGCTCTCAATGACACTACGTCAGCCGGTCGGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|CAACGGACAAAGCCGAAAACGCTCTCAATGACACTACGTCAGCCGGTCGGC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

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gi|4104750|gb|AF039533.1|CGACAGACAAGTCTGACACGCTCTCAATGACGCTACGTCAGCCGGTCGGT
gi|1255665|dbj|D84146.1|P CGACAGACAAGTCTGACACGCTCTCAATGACGCTACGTCAGCCGGTCGGT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CGACGGACAAGGCTGACACCCTGTCGATGACGCTCCGTCAACCGGTCGGC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. GACCGGCAATTTCGGTATGTGCGAGGTGGAACCTTTTCGATCTGTTTGGCC
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

      8660      8670      8680      8690      8700
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CCGATCCTGAGCATCGTCCCATGGAACGGCACCAGTGTGGCGGCACG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| CCGATCCTAAGCATCGTTCCATGGAACGGCACCAGTGTGGCGGCACG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CCGATCCTGAGCATCGTCCCGTGGAAACGGCACCAGTGTGGCGGCACG
gi|1255665|dbj|D84146.1|P CCGATCCTGAGCATCGTCCCGTGGAAACGGCACCAGTGTGGCGGCACG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CCGATCTTGAGTATCGTGCCATGGAACGGCACCAGTGTGGCGGCACG
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. CCGATCGCCACAAGCAGTCTGTCTCTGATGCAAGAACAAGCCCTTCTTT
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549

```

```

gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

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      8710      8720      8730      8740      8750
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|AGCCATCGCGTATCCGCTGGTCTGTGGCAACACGGTGGTGTTCAAAGGCT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|AGCCATCGCCTTATCCGCTGGTCTGTGGCAACACGGTGGTGTTCAAAGGCT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|AGCCATCGCCTTATCCGCTGGTCTGCGGCAACCGGGTGGTATTCAAAGGTTT
gi|1255665|dbj|D84146.1|PAGCCATCGCCTTATCCGCTGGTCTGCGGCAACCGGGTGGTATTCAAAGGTTT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.

```

```

gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

GGCCATCGCGTATCCGCTGGTCTGCGGCAACCGGGTGGTGTTCAAAGGCT
GGTGCCTAAAGAAACATCTCGATGGACATGGGGGTGCTCTCCCATCGGT

```

```

      8760      8770      8780      8790      8800
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CTGAATTTAGTCCCAGCAGCATGCCCTGATCACCCAGTGCGTCCAGGAA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|CTGAATTTAGTCCCAGCAGCATGCCCTGATCACCCAGTGCGTCCAGGAA

```

```

gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

CTGAGTTTAGTCCC GCGACGCATGCCCTGATCACCCAGCGCGTGCAGGAA
CTGAGTTTAGTCCC GCGACGCATGCCCTGATCACCCAGTGCCTGCAGGAA

```

```

CCGAGTTCAGCCCCGCACGCACGCGTTGATCGCGAAGTGCCTACAGGAG

```

```

CAGACCGGCGGTGAACGTTCCCTTCCAGTATCATTCGCGGCCGGATCACTG

```

8810 8820 8830 8840 8850

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807

```

```

GCCGGGCTGCCCGTGGCGTGCTCAACTATCTCAACTCCTTCGCCTGACCG

```

```

GCCGGGCTGCCCGTGGCGTGCTCAAAATACTCAACTCTTCGCCTGACCG

```

```

GCCGGGCTGCCCTGCTGGCGTGCTCAACTATCTCAACTCTTCGCCTGACCG
GCCGGGCTGCCCTGCTGGCGTGCTCAACTATCTCAACTCTTCGCCTGACCG

```

```

GCCGGCCTGCCCGTGGCGTGCTCAAAATATCTGAACTCGTCCCGGACCG

```

```

CTCTTGAAAGAGATAGAGACCAACGTCAATCCAGTTTGACTTCGATATCGGG

```



```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

8860 8870 8880 8890 8900

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TTCGCCCGAGATCGCCGACGCACTGATCTCCGCAAGGAGATCCGCCGCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 TTCGCCCGAGATCGCTGACGCACTGATCTCTGCCAAGGAGATCCGCCGCA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TTCGCCCGAGATCGCCGACGCACTGATCTCAGCCAAGGAGATCCGACGAA
gi|1255665|dbj|D84146.1|P TTCGCCCGAGATCGCCGACGCACTGATCTCAGCCAAGGAGATCCGACGCA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CTCGCCCGATTATCGCCGATTCCGCTGATTTCTCTTAAAGAGATTTCGTCGCA
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. CGAAGGCCGGCGCTTTTTTCCAGGGCAGAAATATGCTCTTTCATGGA
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

8910 8920 8930 8940 8950

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TCAACTTCACGGGTTC AACCCGCTGGGCAGCATTATCGCGCAGAAGGCC
gi|151384|gb|M83949.1|PSE

```

```

gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 TCAACTTCACGGGTTCCACCCGCGTGGGCAGCATTATCGCGCAGAAAGCC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TCAACTTCACGGGCTCCACCCGCGTGGGCAGTATTATCGCGCAGAAAGGCC
gi|1255665|dbj|D84146.1|P TCAACTTCACGGGCTCCACCCGCGTGGGCAGTATTATCGCGCAGAAAGGCC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TCAACTTTACGGGCTCCACTCGCGTGGGGCGGCATCATCGCCAGAAAGCG
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. TCGGGGGCGCTCCCTCTCTCCCTGTTTCCCGCCAATGCACCTGGTCAAGTCGA
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

      8960      8970      8980      8990      9000
...|...|...|...|...|...|...|...|...|...|...|

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GCGCAACACCTCAAGCGCTGCCTACTGGAGCTCGGCGGCAAGTCCCCGCT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 GCGCAACACCTCAAGCGCTGCCTGCTGGAGCTCGGCGGCAAGTCCCCGCT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| GCGCAACACCTCAAGCGCTGCCTGCTGGAGCTCGGTGGCAAGTCCCCACT
gi|1255665|dbj|D84146.1|P GCGCAACACCTCAAGCGCTGCCTGCTGGAGCTCGGTGGCAAGTCCCCACT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GCCCAACATCTCAAGCGCTGCTTGGAGTTGGGTGGCAAGTCCCCGCT
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. CCTGAGCTTCTCTTCGAAGCAGACACAGAGCCACAGTTCCCTTGTTGAA

```

```

gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          9010          9020          9030          9040          9050
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TATTGTTCTGGATGACGCAAAACATTGACCGGGCGGTCAAGGCAGCGGTGT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 TATTGTTCTGGATGATGCAGACATCGATTGGCGGGTCAAGGCAGCGGTGT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TATTGTTCTGGATGACCGGGACATCGACCGAGCTGTCAAGGCAGCGGTGT
gi|1255665|dbj|D84146.1|P TATTGTTCTGGATGATGCAGACATCGATTGGCGGGTCAAGGCAGCGGTGT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GATCGTTCTGGACGACCGGGACATCGACCGGGCGGTCAAGGCAGCGGTGT
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232. TTGAAGAAGGGGATATCCGCCGGGCAGGAAATTC

```

```

gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          9060          9070          9080          9090          9100
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|

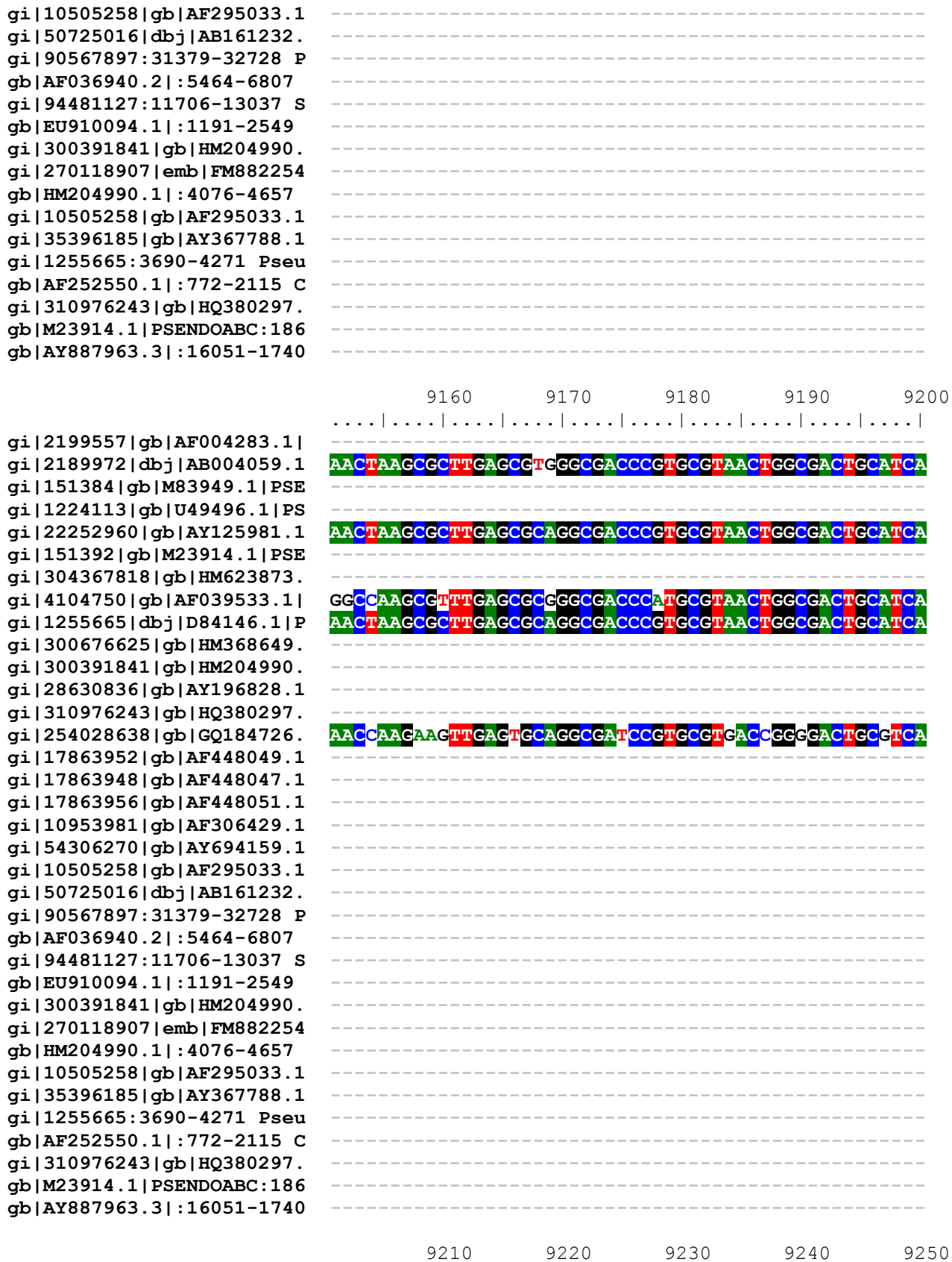
```

```

gi|2189972|dbj|AB004059.1 TCGGTAGCTTCCCTGTTCCAAGGTCAGATCTGCATGTCCACTGAGCGCTTG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 TCGGTAGCTTCCCTGTTCCAAGGTCAGATCTGCATGTCCACTGAGCGCTTG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TCGGTAGCTTCCCTGTTCCAAGGTCAGATCTGCATGTCCACTGAGCGCTTG
gi|1255665|dbj|D84146.1|P TCGGTAGCTTCCCTGTTCCAAGGTCAGATCTGCATGTCCACTGAGCGCTTG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TTGGCAGTTTCCCTGTTCCAAGGCCAGATCTGCATGTCCACCAGACGCCCTG
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

          9110          9120          9130          9140          9150
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GTGGTTGATGAGAAGATTGCCGACGAATTTGTTCGCCAAGTTTGTTCGAAAA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 ATCGTTGATGAGAAGATTGCCGACGAATTTGTTCGCCAATAATTTGTTCGAAAA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| GTGGTTGATGAGAAGATCGCCGACGAATTTGCCGCAAGTTTGCAGAAAA
gi|1255665|dbj|D84146.1|P ATCGTTGATGAGAAGATTGCCGACGAATTTGTTCGCCAATAATTTGTTCGAAAA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GTGGTTCGACGAGAAGATCGCCGACGAATTTGTTCGCCAAGTTTCGTTCGAGAA
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|TCGGCCCAATGGTCTCGCCAAATTCGGGCAGAGCGGATCAATGGTTTGTTTC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|TCGGCCCGATGGTCTCGCCAAATTCGGGTGAGCGGATCAATGGTTTGTTTC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|TCGGCCCAATGGTCTCGCCAAATTCAGGCGAGCGGATCAATGGTTTGTTTC
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|TTGGTCCGATGGTGTCGTCCAAATTCGGGGGACCGGATCAATGGCCCTGTTG
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
9260          9270          9280          9290          9300
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|AAAGGACGCGATCGATAAAGGGGGCCAAAGTTGTTTGCGGCGGCATGGCCCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|AAAGGACGCGATCGACAAAGGGGGCAAAAGTTGTTTGCGGCGGCATGGCCCA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|AAAGGACGCGATCGACAAAGGAGCCACAGTTGCCTGCGGCGGCATGGCCCA
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|AAAGATGCCATCGACAAGGGTGCCAAGGTCGTGTCGGTGGTATGGCCGA
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1

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gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     9310      9320      9330      9340      9350
                                     .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GGGTGGGGTCATGCCGGCCACGATCCTGGATCACGTGAAATCTGACATGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| AGGTGCGCTCATGCCGGCCACGATCCTGGATCACGTCAAATCTGACATGC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AGGTGCGGTTCATGCCGGCCACGATCCTGGATCACGTCAAATCCAACATGC
gi|1255665|dbj|D84146.1|P AGGTGCGCTCATGCCGGCCACGATCCTGGATCACGTCAAATCTGACATGC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GGGTGGGGTCATGCCCGCCACGATCCTGGACCACGTGACAGCCGACATGC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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          9360      9370      9380      9390      9400
    .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|GGATCTACGATGAGGAGACCTTTGGTCCCATCACAGTGGTGATCCGTTGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|GGATTTACGATGAGGAGACCTTTGGTCCCATCACCGTGGTAATCCGTTGT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|GGATCTACGATGAGGAGACCTTTGGTCCCATCACAGTGGTGATCCGTTGC
gi|1255665|dbj|D84146.1|PGGATTTACGATGAGGAGACCTTTGGTCCCATCACCGTGGTAATCCGTTGT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. |AGATCTACGATGAGGAAACCTTTGGTCCCATCACCGTGGTTATCCGGTGC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

          9410      9420      9430      9440      9450
    .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|AAAGGGGAAGCAGAGGCCATCCGCATTGCCAACGACAGCGTTTATGGTCT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|AAAGGGGAAGCAGAGGCCGTCGGCATTGCCAACGACAGCGTCTATGGCCT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|AGCGGCGAAGCAGAGGCCATTTCGGCATTGCCAGCGACAGCGCTTATGGCCT
gi|1255665|dbj|D84146.1|PAAAGGGGAAGCAGAGGCCGTCGGCATTGCCAACGACAGCGTCTATGGCCT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. |AAAGGGGAAGCAGACGCCATCCGCATTGCCAAAGACAGCGCTACGGCCT
gi|17863952|gb|AF448049.1

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gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          9460      9470      9480      9490      9500
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GTCGTCGGGCGTCTTTGGCCGCGACATCAACCGTGCTCTGCGAGTGGGTA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
GTCGTCGGGCGTATTTGGCCGCGACATCAACCGCGCTCTACGCGTGGGTA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
GTCGTCGGGCGTATTTGGCCGCGACATCAACCGTGCTTTTGGCCGTGGGCA
gi|1255665|dbj|D84146.1|P
GTCGTCGGGCGTATTTGGCCGCGACATCAACCGCGCTCTACGCGTGGGTA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
GTCATCGGGCGTCTTTGGCCGGGACGTGAACCGGGCTCTGCGCGTGGGCA
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.

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gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740
-----
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          9510      9520      9530      9540      9550
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TGTTCGATCGAATATGGTTCTCGTACACATCAACGGCTCGACCGTCCAGAAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TGTCCATCGAATATGGTTCTGTACACATCAACGGTTCGACCGTCCAGAAC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TGTCCATCGAATATGGTTCTAGTGCACATTAACGGATTCGACTTGTCCAAAGC
gi|1255665|dbj|D84146.1|P TGTCCATCGAATATGGTTCTGTACACATCAACGGTTCGACCGTCCAGAAC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TGGCGATCGAATACGGCTCGGTCATATCAACGGTCTTACCGTGCAGAAC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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          9560      9570      9580      9590      9600
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GAGGCGCAGGCTCCTTACGGAGGTACCAAGAACACCGGCTACGGGCGCTT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| GAGGCGCAGGCTCCTTACGGAGGCACCAAGAACACCGGCTACGGGCGCTT
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| GAGGCGCAGGCTCCATACGGAGGCACTAAGAACACTGGCTACGGGCGCTT
gi|1255665|dbj|D84146.1|P GAGGCGCAGGCTCCTTACGGAGGCACCAAGAACACCGGCTACGGGCGCTT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.

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gi|254028638|gb|GQ184726. GAGGCGCAGGCGCCCTTATGGCGGCACAAAGGCCACCCGGTTATGGCCGCTT
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

          9610      9620      9630      9640      9650
...|...|...|...|...|...|...|...|...|...|...|

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 CGACGGCCGTCGCTGGTCGACGAGTTCACAGAGCTCAAGTGGCTGACCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1 CGACGGCCGTCGCTGTAATCGACGAGTTCACAGAGATCAAGTGGCTGACCA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CGACGGCCGTCGCTGTGATCGATTGAGTTCACAGAGCTCAAGTGGCTGACCA
gi|1255665|dbj|D84146.1|P CGACGGCCGTCGCTGTAATCGACGAGTTCACAGAGATCAAGTGGCTGACCA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CGATTGGACCGCGCGGTGATCGACGAGTTCACCGGAGCTCAAATGGCTTAACCA
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu

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gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          9660      9670      9680      9690      9700
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TTTGAGCCATTTCGAGCAGCAATATCCCTTCTGAAAAGCACTAACTCCAAGGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TCGAACCTTTTCGAGCAGCAATATCCCTTCTGATAAGCACTAACTCCAGG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TCGAGCCTTTCGAGCAGCAGTATCCCTTCTTAATAAGCACTAACTCCATGG
gi|1255665|dbj|D84146.1|P TCGAACCTTTTCGAGCAGCAATATCCCTTCTGATAAGCACTAACTCCAGG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TTTGAACCGTTTCGAAACAGCAGTATCCCTTCTTAAAGCCGAAACAA CAAAGG
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          9710      9720      9730      9740      9750
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ATCAAAAGATGAGTAAACAAAGCTGCAGTTATCGAGCTCGGATACATGGGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| AATCAAACCTATGAGTAAGCAAGCTGCAGTTATCGAGCTCGGATACATGGG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AATCAAACCTATGAGTAAGCAAGCTGCAGTTATTGAACTCGGATACATGGG
gi|1255665|dbj|D84146.1|P AATCAAACCTATGAGTAAGCAAGCTGCAGTTATCGAGCTCGGATACATGGG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

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gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. AGTTAAACCATGAGCAAGCAAGCAGCAGTCATTGAACTAGGATACATGGG
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          9760      9770      9780      9790      9800
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ATCTCAGTCAAGGATCCTGATGCGTGGAAATCGTTTGCATGAATATGCT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TATCTCGGTCAAGGACCCGTGATGCGTGGAAATCATTTCGCCACGGATATGC
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CATCTCGGTCAAGGATCCTGATGCGTGGAAATCATTTCGCCACGAATATGC
gi|1255665|dbj|D84146.1|P TATCTCGGTCAAGGACCCGTGATGCGTGGAAATCATTTCGCCACGGATATGC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. CATTTTCGGTCAAGGATCCCACAACCGTGGAAATCCTTTGCCGCGAACATGC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1

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gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          9810      9820      9830      9840      9850
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GGGTCTGCAAGTACTCGATGAGGGTGAGAAAGGACCGTTTCTATCTGCGGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TAGGTCCTGCAAGTTCCTTGATGAGGGTGAGAAGGACCGTTTCTATCTGCGG
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TGGGCCTGCAAGTTCCTTGATGAAAGGTGAGAAGGACCGTTTCTATCTACGT
gi|1255665|dbj|D84146.1|P TAGGTCCTGCAAGTTCCTTGATGAGGGTGAGAAGGACCGTTTCTATCTGCGG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TGGGGCTTCAAGTCTCTCGATGAAAGGTGACAAGGACCGCTTCTATCTGCGA
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

          9860      9870      9880      9890      9900
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TGGATTACTGGCACCATCGTATCGTAGTTTCATCACGGCGGAGAGGACGAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| ATGGATTACTGGCATCATCGGATCGTAGTCCATCACAACGGACAGGACGA
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| ATGGATTACTGGCATCATCGAATCGTGGTCCATCAAGCGGCCAGGACGA
gi|1255665|dbj|D84146.1|P ATGGATTACTGGCATCATCGGATCGTAGTCCATCACAACGGACAGGACGA

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gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. ATGGATAATTGGCACCAAGAAATCGTGGTCCATCACAATGGTCAAAGATGA
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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9910 9920 9930 9940 9950

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 TTGGAAATATCTAGGCTGGCGTGTAGCCGGCAAAGCCGGAGTTCGAAGCTTT
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 CTTGGAGTACCTAGGCTGGCGTGTAGCCGGCAAAGCCGGAGTTCGAAGCTC
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CTTGGAAATACCTGGGCTGGCGTGTGTCCGGAACCCGGAGTTCGAAGCTC
gi|1255665|dbj|D84146.1|P CTTGGAGTACCTAGGCTGGCGTGTAGCCGGCAAAGCCGGAGTTCGAAGCTC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. CCTTGAATACCTTGGGTTGGCGTGTCTCCGGTCAAACCGGAATTCGATGCAT
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----

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gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          9960          9970          9980          9990          10000
...|...|...|...|...|...|...|...|...|...|...|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GGGGCAAAA GCTC -ATTGATGCCGGTTACAAGATCCGTGTCTTCCGACAAA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1| TGGGTCAAAAGCT -T
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TCGGTCAAAAACTCATTGACGCCGGTTACGATTGTTCCGGTCTGCGAATAAAA
gi|1255665|dbj|D84146.1|P TGGGTCAAAAGCTTATTGATGCCGGTTACAAGATCCGCATCTGCGACAAA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. TGGGCCAAAAGCTCCAGGACGCAGGCTACAAAGTCCACGTCTGCGACAAA
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

          10010          10020          10030          10040          10050
...|...|...|...|...|...|...|...|...|...|...|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GTTGAGGCTCAGGAGCGTATGGTGTGGGCCTGATGAAGACAGAAGATCC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

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gi|4104750|gb|AF039533.1| GCGGAGGCTCAGGAACGAATGGTGTGGGCTGATGAAGACAGTAGATCC
gi|1255665|dbj|D84146.1|P GTTGAGGCTCAGGAGCGTATGGTGTGGGCTGATGAAGACAGAAGATCC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GCGGAGGCTCAGGAACGAATGGTGTGGGCTGATGAAGACAGAAGATCC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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10060 10070 10080 10090 10100  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 AGGCGGCAACCCGACCGAGATATTTCTGGGGCCCCGGATCGACATGAGCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AGGCGGCAACCCGACCGAGATATTTCTGGGGCCCCGGATCGACATGAACA
gi|1255665|dbj|D84146.1|P GGGCGGCAACCCGACCGAGATATTTCTGGGGCCCCGGATCGACATGAGCA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GGGTGGCAACCCGACCGAGATATTTCTGGGGAACCCGGATAGACCTGAACA
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549

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gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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10110 10120 10130 10140 10150

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ATCCGTTCCATCCCGGCCGCCCTTGCACGGCAAGTTTGTGACCGGTGAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| ACCCGTTCCATCCCGGCCGCCCTTGCACGGCAAGTTTGTGACTGGTGAC
gi|1255665|dbj|D84146.1|P ACCCGTTCCATCCCGGTCCGCCCCCTGCACGGAAAGTTTGTGACCGGTGAC

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gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. ACCCTTTCCACCCCCGGTCCGCCCCCTTGCACGGCAAGTTCTTGACTGCTGAC
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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10160 10170 10180 10190 10200

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CAGGGCTTAGGTCATTGCATCGTTCGCCAAACCGACGTCGCTTCGGGCCCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1

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gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CAAGGCCTGGGTTCATTGCATTCGTTTCGCCAGACCGATTGTCGAAGCTGCCCA
gi|1255665|dbj|D84146.1|P CAAGGCTTGGGCCATTGCATTCGTTTCGCCAAAACCGACGTCGCAGAAAGCTCA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. CAAGGCCTGGGCCACTGCATAGTTCGTTTCAGAGCGACGTTGGAAGCGGCCTG
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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10210 10220 10230 10240 10250

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 TAAATTCTACAGCCTGCTGGGCTTCCGTGGGGACGTCGAATACCGCATTTC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CAAGTTCTATAGTCTTCTGGGCTTTCGTTGGGGACGTCGAATACCGGATCC
gi|1255665|dbj|D84146.1|P TAAGTTTATAGCCTGCTGGGCTTCCGTGGGGACGTCGAATACCGGATTTC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. CAAGTTCTACAGCCTGCTGGGCTTCCGTGGAGATTGTCGAGTACCGCCTTC
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----

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gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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10260 10270 10280 10290 10300

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CATTGCCCAACGGCATGACTGCCGAACTGTCATTTCATGCATTGCAACGCC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CGCTGCCCAACGGCATGACTGCCGAACTAACGTTTCATGCATTGCAATGGT
gi|1255665|dbj|D84146.1|P CGTTGCCCAACGGCATGACTGCCGAACTGTCGTTTCATGCATTGCAACGCC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. CTTTGCCCAACGGCATGACGGCTGAGTTGACGTTTCATGCATTGCAATGCT
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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10310 10320 10330 10340 10350

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CGTGATCACTCCATTGCGTTTGGTGCCATGCCGCTGCTGCCAAGCGGCTCAA
gi|151384|gb|M83949.1|PSE -----

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gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CGGGACCACTCCATTGGGTTTGGTGCCATGCCCGCTGAAAAGAAGGCTCAA
gi|1255665|dbj|D84146.1|P CGTGATCACTCCATTGCTTTTGGTGCCATGCCCGCTGCCAAACGACTCAA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. CGCGATCAATTCCATCGCTTTCGGTTCAATGCCGTGCGGCCAAGCGCTCAA
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          10360      10370      10380      10390      10400
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 TCACCTGATGCTTGAGTACACCCATATGGAAGACTTGGGATATACGCATC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| TCATCTGATGCTTGAGTACACCGACATAGAGGATCTGGGATACACCCATC
gi|1255665|dbj|D84146.1|P TCACCTGATGCTTGAGTACACCCATATGGAAGACTTGGGATACACGCACC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. TCATCTGATGATTGAAATACACTCATATCGAAGATTTGGGTACACACACC
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----

```

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gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          10410      10420      10430      10440      10450
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 AACAGTTTCGTGAAGAACGAAATTGACATCGCCTTGCAGCTTGGCATTAC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| AACAGTTTGTAAAGAACGACATTGACATTGCCTTGCAACTTGGCATTAC
gi|1255665|dbj|D84146.1|P AACAGTTTGTAAAGAACGAAATTGACATTGCCTTGCAGCTTGGCATTAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. AGCTTTTCACGAAGGAAAACATTGACATTGCCTTGCAATTGGCATTCCAT
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

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          10460      10470      10480      10490      10500
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

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gi|2199557|gb|AF004283.1| -----

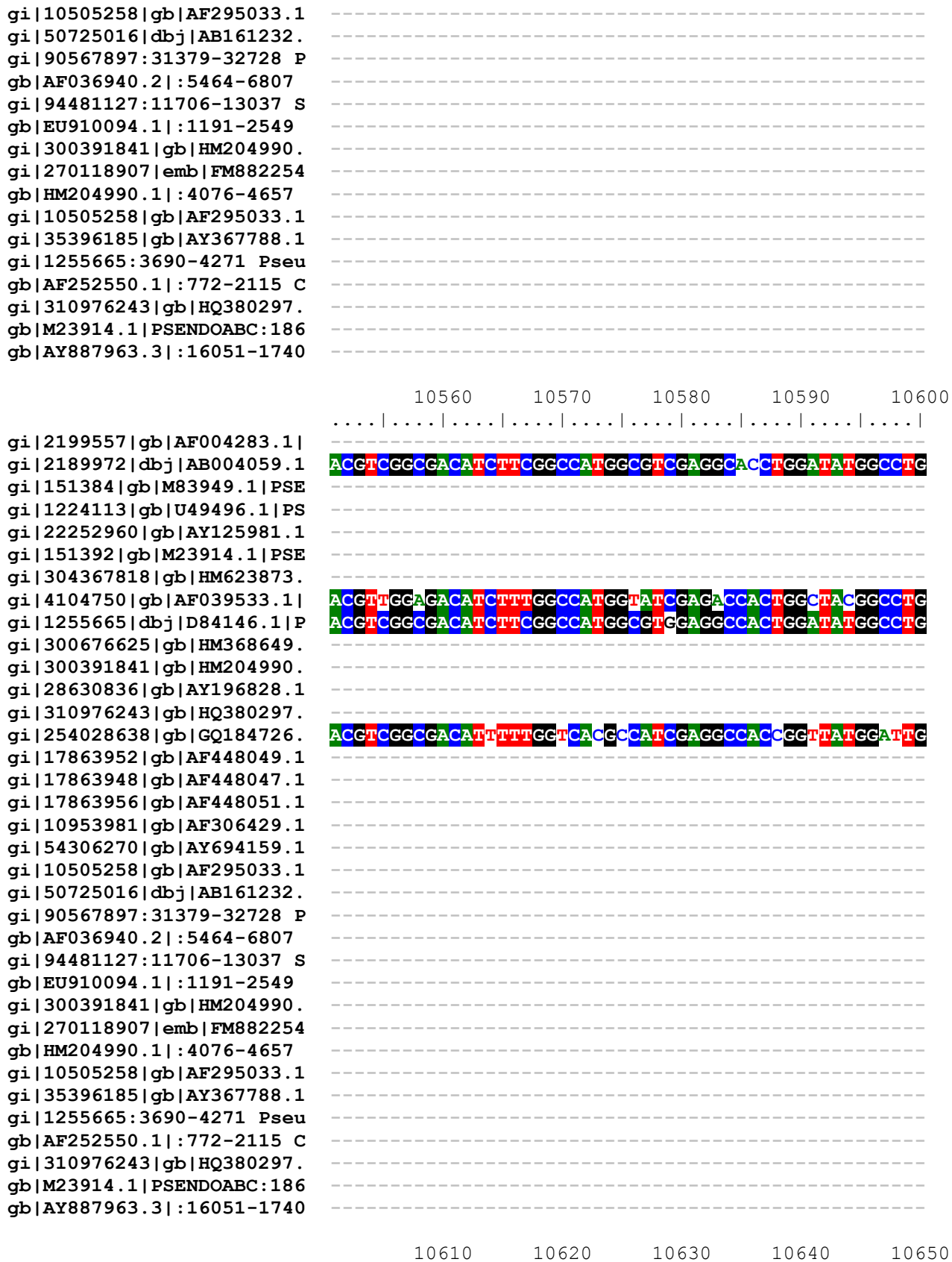
```

```

gi|2189972|dbj|AB004059.1  GCCAACGACAAGGCGTTGACGTTCTACGGCGCAACGCC TTCGGGCTGGCT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|  GCTAACGACAAGGCGCTGACGTTCTATGGCGCAACACCTTCCGGCTGGCT
gi|1255665|dbj|D84146.1|P  GCCAACGACAAGGCGTTGACGTTCTATGGTGCAACGCC TTCGGGCTGGCT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.  TCCAACGATAAAGGCGCTGTTCGTTCTACGGCGCAACACCTTCCGGCTGGCT
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

          10510      10520      10530      10540      10550
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1  TATCGAGCCC GGCTGGCGAGGTGCTACGGCCATAGACGAAGCGGAGTATT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|  CATTGAGCCC GGCTGGCGAGGTGCCAAGGCCATAGACGAAGCGGAGTACT
gi|1255665|dbj|D84146.1|P  CATTGAGCCC GGCTGGCGAGGTGCCACGGCCATAGATGAAGCGGAGTATT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.  GATCGAACC TGGGTGGCGAGGC GCCCCCGCCCATTTGCTGAATTCGGAATATT
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|GATGTTAAAACTGAGTTAAAAGCCGATTATGCGTTACATCGGGTTTCTGACGT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|GATGTTAAAACTGAGTTAAAACTACAACCAAAGTTACAGGCGCTGGCTCTC
gi|1255665|dbj|D84146.1|PGATGTTAAAACTGAGCTAAAGATGCGCGCTCGTTGGGCGAGGCTCTAGTCC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726. GACGTCAAACTAGCTAG
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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10660 10670 10680 10690 10700

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|TTTCTGCTTTCTATACAGCGCAAATAACAATAACAACTAAAGTGGGAATATT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|TTCCAGATATGCGTTGGGGAAAAATTACTTATGCTCCTGCAGTAAATTAAATT
gi|1255665|dbj|D84146.1|PAGCATCTTCATACGCAACCAACCTTGCAAGGCGATGAGATCAAAAGGACGT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|

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gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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10710 10720 10730 10740 10750  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| AATTAATGATAAAAAAACGTTTCTTTACATGCCTCGCTTTACTTTGTTTCC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TTCCCGATTTTGCTCCGGTTTCA CCTTCA CATCGGGGCTGTAATAGATTAT
gi|1255665|dbj|D84146.1|P TAAA GCGAAGGGGAA GTGGTT CGGGCCATGCGCATA CCGATCCATGACAT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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10760      10770      10780      10790      10800
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|TCAGCA CCGCAT TGGGCC GAAGAAT CACCTTGGAC ATACCGCAT CCGCAT TG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|GCAAGGATCGTGGCCGAATCAGGATGCTAGCCTCAGTCGCTCGATGCAGAT
gi|1255665|dbj|D84146.1|P TTGTTT CATAGTATATAGGTAGATTAGGTGAATCAAAGCGCTTAGTCAACTA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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10810      10820      10830      10840      10850
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|AGTAATATTTGCTTTTGTATACAAGCGCCAAAGTGTACTTTGGGAGGCCAGCG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|CATTCATGGGGCCCCAGCACTGCAA GTTTCATGTTTGACTTTAACGAGCGACTG
gi|1255665|dbj|D84146.1|P GTGCACA CATCTGTTTCCATGAGGCTATCTACTATCTATTCAAACAAGAA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|

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gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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10860 10870 10880 10890 10900  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| TGTCCCCGGGAGGAAGCGCTGACCGGAGCAATAACAACCGCGCTCACATTCG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GCTCGTTAGTATTGATATCCGGAAGCTGTTCCTTAAAACCGAACGTATAAA
gi|1255665|dbj|D84146.1|P TGATAAAATAGGATGAAAATAATAATGATAAAAAAGAACGATTTGTCTTGTG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----

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gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          10910      10920      10930      10940      10950
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ACTTCGGCTATGCCATCAACGACCAATGGAATGCACGTTTGGATTGTCGGT
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GGTGATTGGGCTCCAAGAGGCTACAGCTACGGTAACCTCAGATCCGTAAAT
gi|1255665|dbj|D84146.1|P TAATCCCTATCTGTGTGGCAAGCCCCACATGGGCCGAAGAGTCGCCTTG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          10960      10970      10980      10990      11000
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ATTCCACCTACAACATAAAGTTAAGGGCGCAGGCACACTTCCGGGCATTCA
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| TTGGAGTCGGTCGGATTGGACAACGATTTGACTAACCTAGTTCCAGCT
gi|1255665|dbj|D84146.1|P GACGTACCGTATTTGGTATGACTAAATGTAGCTTTTCGATGCTAGCCCAAAG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----

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gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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11010 11020 11030 11040 11050  
 ....|....|....|....|....|....|....|....|....|....|

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GCTGGGAAAAAATAACTTTATGCTCCAACAATTACTGACGTTAAACTATAACC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TTTTTTTACCTAACCAAGAGTGTCTCCATGTCGAATTAAACTATGAAACCAG
gi|1255665|dbj|D84146.1|P TATACTTAAATGGTCAGCGGGTCCAGGAGGAAGCGCTGATGCGGCGAT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu

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gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                11060      11070      11080      11090      11100
                ....|....|....|....|....|....|....|....|....|....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TCCGAGCTTTTGGGCCCGTTTCGTCCTCACATCGGTGCAGGAGTCAATTAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CGGCTTTACTGCCGAGGATATCCATGGTGTCTGGGCTATTATGCCAACG
gi|1255665|dbj|D84146.1|P AACCAACGCGCTTACATTCGACTTCGGCTACGCCATCAACGACCAGTGGAA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                11110      11120      11130      11140      11150
                ....|....|....|....|....|....|....|....|....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ACGCAATTTTGCAAAGCAAAGGACGCTAATCTAATAATCATTTCGATGCCGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CCGGCTACTCCGGATGCTTCTAACTGGCGCAGCACTAACACAGTTGACTT
gi|1255665|dbj|D84146.1|P TGTACGTGCGATTTCGGCTATTCGCCCTACAACATAAAGTACGGGCGCAG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

```

```

gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          11160      11170      11180      11190      11200
.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CCACGCTTGGTCCCCCGCGCTGCATGTTGGTGCCGATATTGACGTGAGTC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| AAACGAGACTGCTCGCATAGTTGAAGAACTGATTGCGGCTGGTGTCAACG
gi|1255665|dbj|D84146.1|P GCACACTTCTGGTATCCAGCTGGGGAAAAATACTTACGCTCCAACAGTA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----

```



```

gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          11210      11220      11230      11240      11250
.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GCAACTGGTTCGTCAGCATTGATATTCGGAAGTTATACCTGAAAACCGAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

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gi|4104750|gb|AF039533.1| GAAATTTTAAGTATGGGCACCTTTTGGCGAGTTCGCTACGTTGACCTGGGAG
gi|1255665|dbj|D84146.1|P TTTAACGTTGAACCTATAACCTCCCCGCTTTTGGTCCCGTTTCGCCCTCACAT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

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gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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          11260      11270      11280      11290      11300
.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GCATTCAGGTTTACTTAGGGCCACAAGGAGGCCTAAAGCAAAGGTAACCTTTGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

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gi|4104750|gb|AF039533.1| GAAAAACGTTGACTATGTTTCGACGATTGTCGAAACCAATTCGTTGGTCGGGT
gi|1255665|dbj|D84146.1|P AGGTTCGGGGAGTCAATTTACACGCGGATTTTGTGAAAGTCGGGACGCTAATC

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```

gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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11310 11320 11330 11340 11350  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| C C C A T T T G A T A A C A T C G A T C G C A A T C G G A C G C C A A T T T T T G A T G C C C C T T T
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| G C C T T A T T T C T G C G G C A C C A C G G C C T T G A A T A C C C G C G A A G T C A T C C G C C
gi|1255665|dbj|D84146.1|P T A A A A T C G T T C G A T G C C G A C C A C G C T T G G T C C C C C G C G C T A C A T G T T G G T
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----

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gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          11360      11370      11380      11390      11400
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TAAGGCTCTCTATCTATCTAACTGCAAAGGGTATTTTATGTTGAAATAAA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AAACCTCGTGGAGTTTATGGATATGGGCGCCACCGGTACCATGCTCCGGTGTTC
gi|1255665|dbj|D84146.1|P GCCCATATTGACGTTTAAACCGTGGTTGGTTTCGTTAGCATTTGATATCCGCAA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          11410      11420      11430      11440      11450
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ATTTAGTAAAACCGCGCGTCTTTACCGCTGAAGATAATCAATGGTCCCTGGAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

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gi|4104750|gb|AF039533.1| CCAATGTGGGTGAAGATGGACCTGCCACAGCGGTCCAGTTCCTATCGTGA
gi|1255665|dbj|D84146.1|P GTTATACCTGAAAAACCGACGCATCAGGGTACTTGGGGCCACAGGAGGCTA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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11460 11470 11480 11490 11500  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TATAATGCCACACCGTCGACGCCTGATGCTTCCTGATTGGCCACGACTA
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| TGTTCAGAGGGCGGTACCGGAGGCTGCCATTGCCATTACCTAACCGCTG
gi|1255665|dbj|D84146.1|P AAGCACGGGTAACTCTTGACCCATTACTTACTTCGATCGCGATCGGACGC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----

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gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          11510      11520      11530      11540      11550
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ACACTGTGGACTTAGACGAGACTGCCCGCATAGTTGAAGACTGATTGCT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AAGCCTTCAAGTTCGACTTCCCTTCGCCCTTCTGGGCAGAATGTCCAAA
gi|1255665|dbj|D84146.1|P CAATTCTGATGATTCTGTTTAAAGTTCTTTATCTATCTAACCGCAAAGGG

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gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          11560      11570      11580      11590      11600
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GCTGGTGTCAACGGTATTTTGAGTATGGGTACCTTTGGTGAGTGCGCCAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1

```

```

gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

-----
ATTCGGCAGGTAGTAACTGCCAAATATCTAGGCATCGGAATGCTTGACTT
TGTTTTCATGTCGGAATAAAATTAATGAAAACGTCGCGTCTTAACGCCGAAAG
-----

```

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
11610 11620 11630 11640 11650

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807

```

```

GTTGACCTGGGAGGAGAAACGTGATTATGTTTCGACGGTTGTTCGAGACCA

```

```

GGACCTGAAATTGGCACCCAAACATCCGCTTCCTTCCACACGAGGATGACT
ATATCAACGGCGCCTGGACTATAAATGCCACACCCCTCGACGCCTGATGCT

```

```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

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          11660      11670      11680      11690      11700
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TTCGCGGTCGTGTACCTTATTTCTGCGGCACGACGGCCCTGAATACCCGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AATTACGGGGCCGCACGCATCAATCCTTGAGCGATTACCGCGTTCTGGTCA
gi|1255665|dbj|D84146.1|P TCTGATTGGCGCAGCACTGCCACCGTGGACTTGAAGAGACTGCCCGCAT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807

```

```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

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          11710      11720      11730      11740      11750
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GAACTCATTTCGGCAGACCCGAGAGCTTATCGATAATTGGCGCTAACGGCAC
gi|151384|gb|M83949.1|PSE

```

```

gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| AGCGGCTCCATGTGCGGCCCGGCTACCGCCATCATGTTGCGTGTATGCAGT
gi|1255665|dbj|D84146.1|P AGTTGAAGAGCTGATTTGCAGCTGGTGTCAACGGTATTTCTAAGTATGGGTA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

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          11760      11770      11780      11790      11800
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CAATGCTAGGCGTGCCGATGTGGTTAAAGATGGACCTGCCACAAGCGGTCC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GGATCAGGCCAAAGAGCAGCGGTGACTGGATCAAGGCCAAAGCCATCTCCG
gi|1255665|dbj|D84146.1|P CTTTTGGTGTAGTTCGCCACGTTGACCTGGGATGAAAAACGTGATTATGTC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----

```



```

gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

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          11810      11820      11830      11840      11850
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 AGTTCTATCGTCGATGTTTCAGGCGCGGTAACCGGAGGCTGCCATTGCGATT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P ATGACATGCGCGCAGCCGATTTCGACATTGTTTCGGCGTGGCGACTTTTCG
TCGACGATTGTTCGAGACCATTTCGTGGTCGGTGCCTTATTTCTGTGGCAC

```

```

gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          11860      11870      11880      11890      11900
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

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gi|2199557|gb|AF004283.1|

```

```

gi|2189972|dbj|AB004059.1 TACGCCAACCCCGAAGCATTCCAAATTCGACTTCCCTCGCCCATTTTGGGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 AGAGATGCTCTAAAATTCCTCAGGTAGTGA CTGCCAAGTATCTAGGCATCG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1

```

```

gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

11960 11970 11980 11990 12000

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GAATGCTTGACTTGGACCTGAAATTGGCGCCTAAACATCCGCTTCCTTCCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| AAGACTATATTGCTGGCGCCCTTAAAGTCAGGCAAAAGCTTGGGCCGCACTG
gi|1255665|dbj|D84146.1|P GACCTGCGCTACAGCGGTTTCAGTTCTATTCGTGATGTTGCAGATGCGGTACC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

12010 12020 12030 12040 12050

```

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|CACGAGGACGACTTATTACCGCGGCCGCACGCATCAATCCGAGCGCATTTAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|CATGCTAAATACAGCAAGGAATTGAAGTAGTCCAACTCGATTGGTCTGGC
gi|1255665|dbj|D84146.1|PAGACGCTGCCATTTCGATTTTACGCCAACCCCGAAGCATTCAAGTTCGACT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

12060 12070 12080 12090 12100

```

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|TGGCTTCTGGTCAAGCGGGGCCATGTGCGGCCCGGCCTACCGCTTATTCGCGT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|GAAATGCTGCAAAAGACGCTGAGCGATTTCAGATATATTAGATTAAATCAT
gi|1255665|dbj|D84146.1|PTCCCTCGCCCATTTCTGGGCAGAGATGTCCAAAATTCCGAGGTTAGTGACT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|

```

```

gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

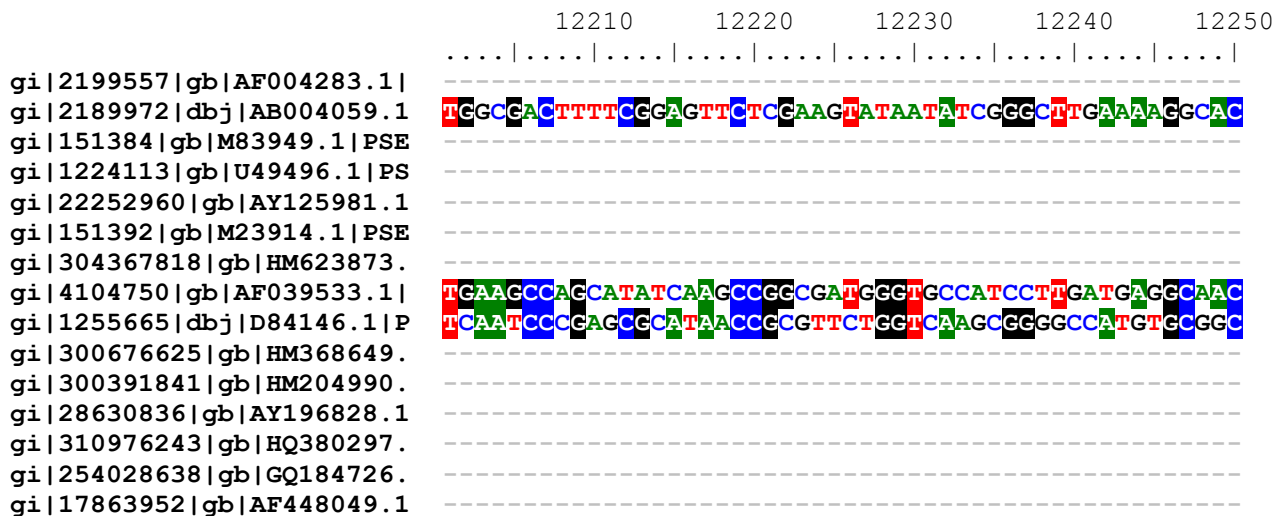
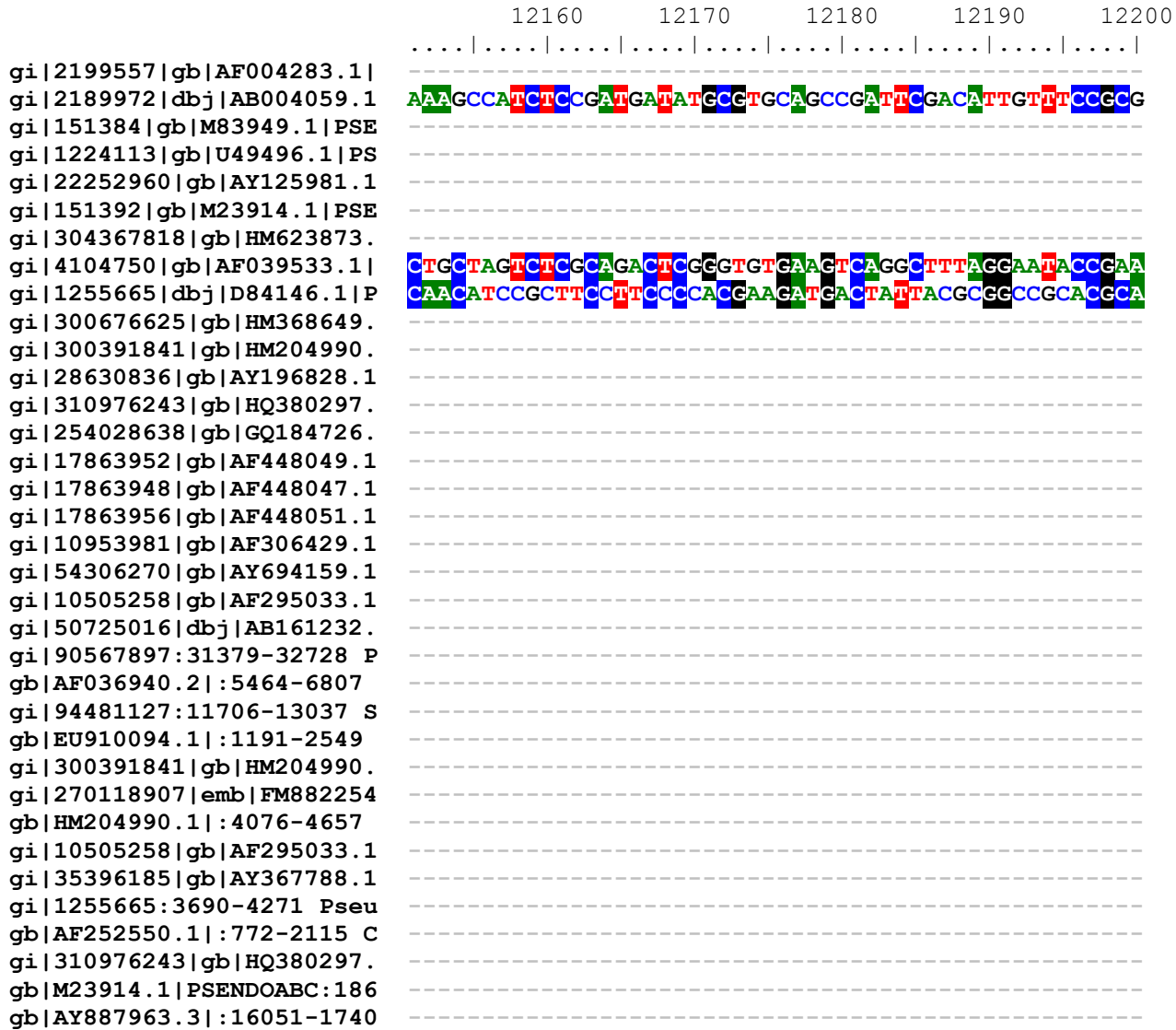
          12110      12120      12130      12140      12150
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TGCGGTGATGAAGTGGAGCGGGCCAAAGAGTACCGGTGACTGGATCAAGGCC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| ATTTCTTTCGCCTACTAGTAGCCGTCCGACGTTCCGCAAATTTAGCTAAGA
gi|1255665|dbj|D84146.1|P GCGAAGTATCTAGGCATCCGGAATGCTTGACTTGGACCTGAGA CTGGCACC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
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gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
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gb|AY887963.3|:16051-1740 -----

```



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gi|17863948|gb|AF448047.1 -----
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gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

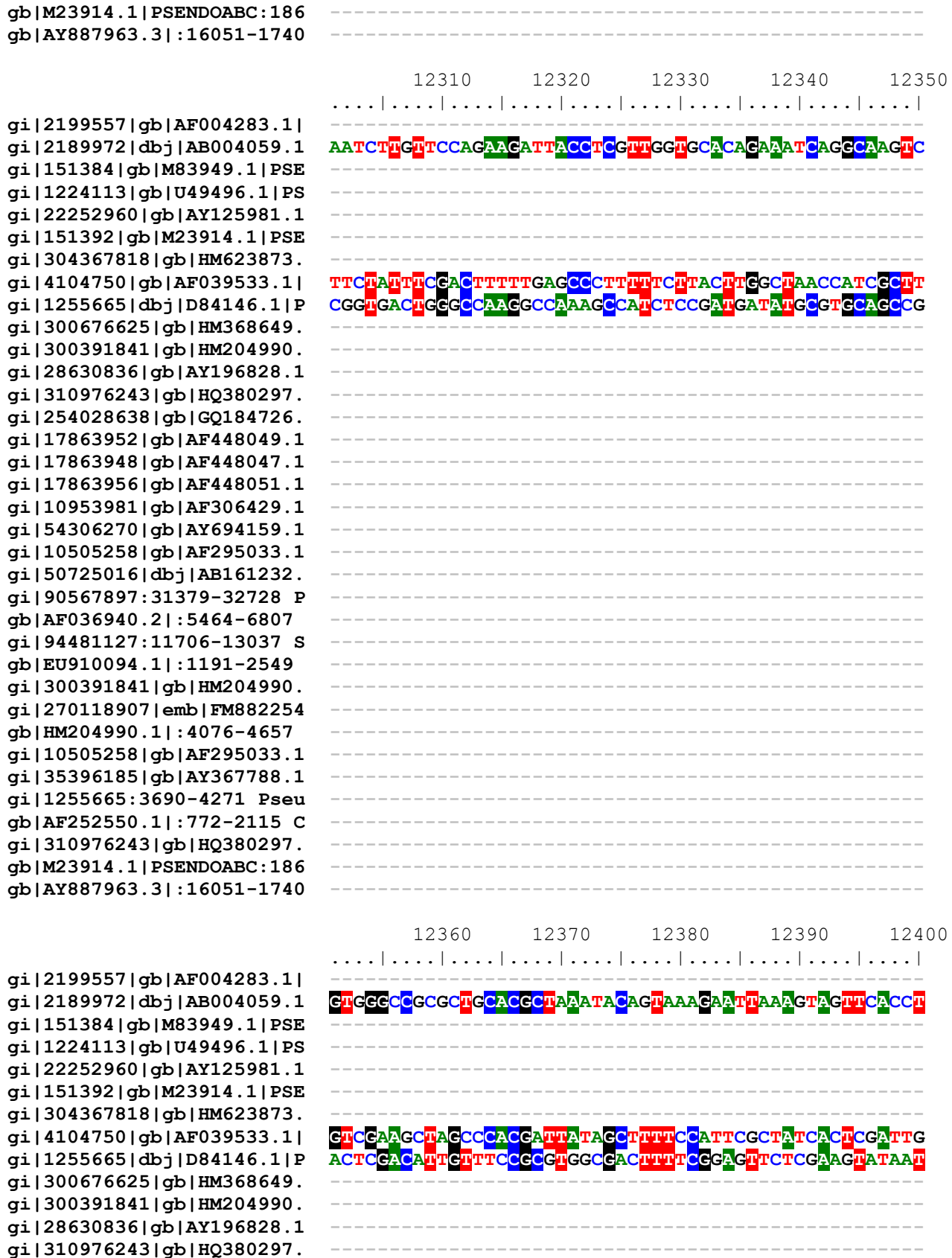
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12260 12270 12280 12290 12300  
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gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CCACTGTTGGTTGGCTTAGTTTGGAGTGTGTTGATTGTGATTGTTGAT
gi|1255665|dbj|D84146.1|P CCAGGCTACCAGCAATCAATGTTGCGTGACGAAATGGTGCGGGCCAAAGAGCAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1| -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1| -----
gi|17863948|gb|AF448047.1| -----
gi|17863956|gb|AF448051.1| -----
gi|10953981|gb|AF306429.1| -----
gi|54306270|gb|AY694159.1| -----
gi|10505258|gb|AF295033.1| -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1| -----
gi|35396185|gb|AY367788.1| -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----

```





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gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
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gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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12410 12420 12430 12440 12450  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 CCGCATGCTGAGCGCGAGGGGTGACGTAAACGCCGAGCGGTGCGGGAAG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| ATTTGGCGCGAGCCAAAATCGCCATCGGAAACGTAGGCCCCCTCCAATCGC
gi|1255665|dbj|D84146.1|P ATCGGGCTTGAAAGGACACGGATGGATCGGCTGGTTGGCTCAAGGCTGG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----

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```

gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          12460      12470      12480      12490      12500
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TAAAGTGAAGTTAGAGTTTCATTTCTTTGTTGCCAGGCACTGCTAGATCAGCAAA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

```

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gi|4104750|gb|AF039533.1| GATCTGAAAGTCAAACCTTGCCCTATTTTGATGGTTGGATTTTAAAACGCTGGGC
gi|1255665|dbj|D84146.1|P GCCCTGCCGTCCGCCCTACAACCTTGTTCAGAAAGACTACCTCGCTGGTG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

```

```

gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

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          12510      12520      12530      12540      12550
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GTTAGCTGATCTAGCAGTCTCCAAAATTTGGCCGAAAGCTGATCTTAGGA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

```

```

gi|4104750|gb|AF039533.1| CGAGCTGTACGGATTACCGTTTTTATTTCTGCCAAATACAATAGCCAAC
gi|1255665|dbj|D84146.1|P CACAGAAATCAGGCAAGGCTTTGGCCGCGCTGCACGCTAAAATACAGTAAT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

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```

gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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12560 12570 12580 12590 12600  
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gi|2199557|gb|AF004283.1| -----
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gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GGATGAATGCTGGGCTCTATTACTCGGGTGC CGGAAACGCAGACTGCTGCT
gi|1255665|dbj|D84146.1|P GAAATTGAAGTAGTTTACCTCCGCAGACCTGAGTGACAGGGTGGCGCAGAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
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gi|300391841|gb|HM204990. -----
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```

```

gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

12610 12620 12630 12640 12650  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE

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TGAACCAACCGCTATTTCGCCGCACCTTCTCTTCTTTCGGAGTGTGTTTGATTG

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gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
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gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

TACGTGAATACAGTATTCAATGCAGTTTGGGGGGAAGGTTATAGCTCTGGGA  
GCTGAGGGTGCAGGAATTAAAGTGGAGCTAAAAGCACATTTCTTTCGCCAGGC

12660 12670 12680 12690 12700  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE

```

TGATTGTCGATTTCTAATTTTCGATTTTTTTGAGTCCGTTCTCTTACCTTGGCC

```

gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P

```

CTCGAAAAGCCTGCTTGCCCTAGTGTGCGGGACTCTAGGGTGGGATCGCG  
ATTGCCAGATCAGCAAAGTTTGTGCTGATCTGGCAGTTTCAAAAATTTGGGC

```

gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

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          12710      12720      12730      12740      12750
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

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gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CTGCTTTCGAGGAGTTTCTCAGCCAGCGACTGCAACAAATGCGTATGAT
gi|1255665|dbj|D84146.1|P GAAAGCTCATATCAGGAATACGGGATAAAGGCAGTGCACCATTAACGACGG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254

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gb|HM204990.1|:4076-4657 -----
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gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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12760 12770 12780 12790 12800  
 ....|....|....|....|....|....|....|....|....|....|

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gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| G A G C A T A C C C A G G C C G C C A T C G A A C G T A A A G T A T T C G G T G T A C C A A C G A T
gi|1255665|dbj|D84146.1|P G G C C G T G C C A T T C G T G A T G A A C G A T T T T G C T A T T G T G C C G A C T T C T G
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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12810 12820 12830 12840 12850  
 ....|....|....|....|....|....|....|....|....|....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| C A T C T A A T C G C G A C T T T G G A A G T A A A A T T G G A C T A T T T G A A A G T A G A T T T G
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

```

```

gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

GTTTTTTGGGCGATCAAATGTTGGTGGGGCAACGACCGTCTATTTTATGCTCG  
TTTCTTGGACGTGTTTGAATTGTTGATTCGATTTTTTATTTTCGATTTTTTTGAC

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549

```

CAACGGTGGGCCAGCTTTTACGGAAATACCGCTGGTATTTCCAGCTAACTA

AGAACAACACTGAGGTGCGGCTGTAGTGCCTGGAATA GCCGCCCGGGGGAA  
TCCGTTCTCTTACTTGGCCAAACCATCGTTTTGTCAAAGCTTGCACAGACT

```

gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

12910 12920 12930 12940 12950

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| CAACAGCAGACGGATGAATACTGGGCTTTATTACTCGGAGGCCGAGGTGC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| ACCGGAGTAAAAACCGGTAAACAGAAAGGAGATGGAAATCAAAGCCGCAAATAG
gi|1255665|dbj|D84146.1|P ATGGCTTTTTCATTTCGTTATTACGCAATTCGATTTGGCCGAGTTAAAATA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

12960 12970 12980 12990 13000

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| AGGCCGCTGCCTATGTTGAATGTAGTATTTAATGCGATTTGGGGAGAAGGC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----

```



```

gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

TCCGTTAAAAAAACGGCCCATTTCTTATTCGGGCATGTTAGCTCTTAATGAGC
GCCATTCGGAAA CGTTGGTCCAATCTAAATCGCGACCTGATTAGTCAAGCTGGA

```

```

...|...|...|...|...|...|...|...|...|...|...|
13010 13020 13030 13040 13050
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807

```

```

ATAGCACCAGATTTGGAAAAGCTTGGCTGCCCTGGTATCTGAAAAGCTAGG

```

```

TGCAGTAGATCAAGTTCTCGTTATAATTGGTTCCGACCGGGTTGTGT CATA
CTATTTTGAAGTAGATTTGCAACGGTGGGCCGAGCTTTACGAAATACCGT

```

```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

13060 13070 13080 13090 13100  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 CTTGGGATCGTAGTGCCTTCGAGCGCTTTCCTCAGCAGCAACGCCGCAACAG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P CCGATCTGATTTGTCCGATCAGCAATTATCCGGTTCCTGCTCCCGATGGTT
gi|300676625|gb|HM368649. TGGTATTCCTCCAGCTAACTACAACAGCCGACGGATGAATACTGGGCTTTAT
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

13110 13120 13130 13140 13150  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 AGAGGTATGACGAGCAGACACATTTTCGCCATCGAGCGCAAGGTTGTTTCGGT
gi|151384|gb|M83949.1|PSE

```

```

gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

TTTAGGGGCATGAAGGGCCCTGGGTGTAAGTTCCTTGCTATTCAATCGTAAGCCTTC
TACTCGGGAGCCATGGCACAGACTGGTGCCTATGTGAATGTAGTATTTTAA

```

```

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
13160 13170 13180 13190 13200

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.

```

```

CTGCCAACCGATGTTTTTTTGGCCGATGAAATGTGGTGGGGGAAACGACCGTCT

```

```

GGGGAATCGTCGAAGATCAGTCGATTTTCAGATAATTTTTTATTCCGAGGTTG
TCCGGTTTTGGGGAGATGGCATAGCTCCAGATTGGAAAAGCTTGCCTGCTC

```

```

gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          13210      13220      13230      13240      13250
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 GTTTTATGCTCGAGAGCGCAATGGGGCCGCTTGTGCCGGAATAATGCCGATT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P GTTGAACCTTTATCGCCAGGGGAAGTTTCTATTTTACAAGCTAATTAAGTC
TGGTATCTGAAAAACTAGGCTGGGATCGTAGCGCCTTTCGAGGACTTTTATC

```

```

gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

          13260      13270      13280      13290      13300
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|

```

```

gi|2189972|dbj|AB004059.1 TTAAGTACTTTCATCTGATCCGTTATTTCGCTCGATGAGTTCGCTTTC AAGATCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TTTATCCTCTTTCAGGAAATCAATCGAGCCGCGGAAGACTCGGAAGAAGGGG
gi|1255665|dbj|D84146.1|P AGCAGCGATGCCGCAACAGAGAGGTTATGACGAGCAGACACATGCCGCGAT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| GCGGATACCTGAAAGTCAGCTTAAATGCCGGACTACTTTCAGGCCATGCTTCAG
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TCACGCTCAAGCCGGTTCCTCCATATTGGTTGAAACGTTGCCGTGGTAGGAA
gi|1255665|dbj|D84146.1|P CGAACGC AAAGTCTTCGGTGTGCCAACGATGTTTTTTGGCCGATGAAATGT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1

```

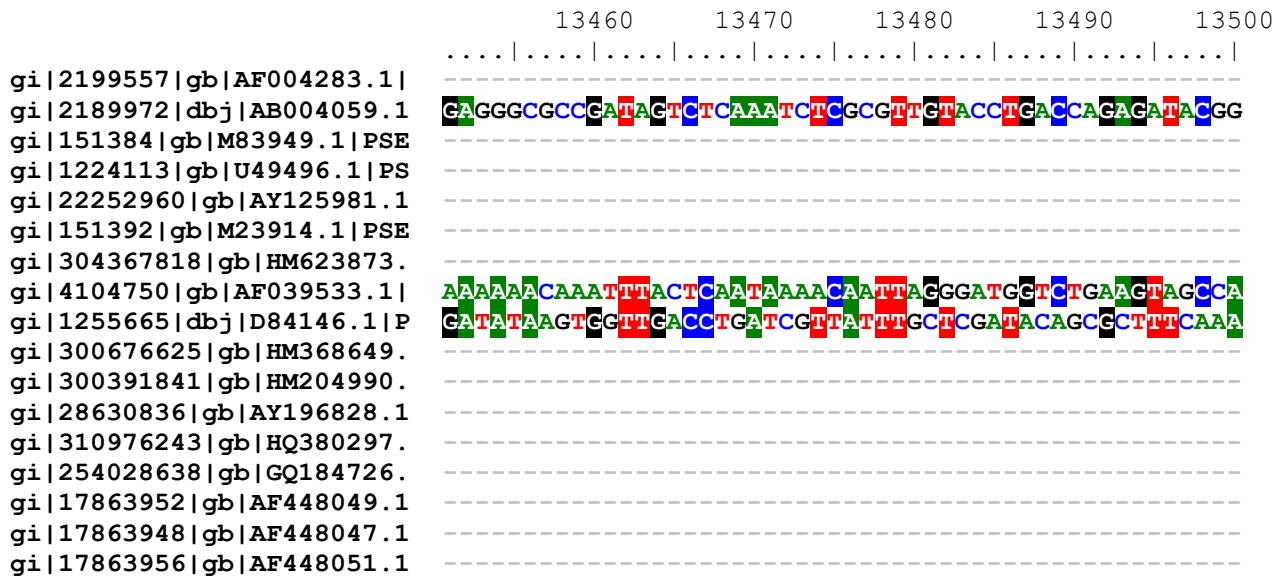
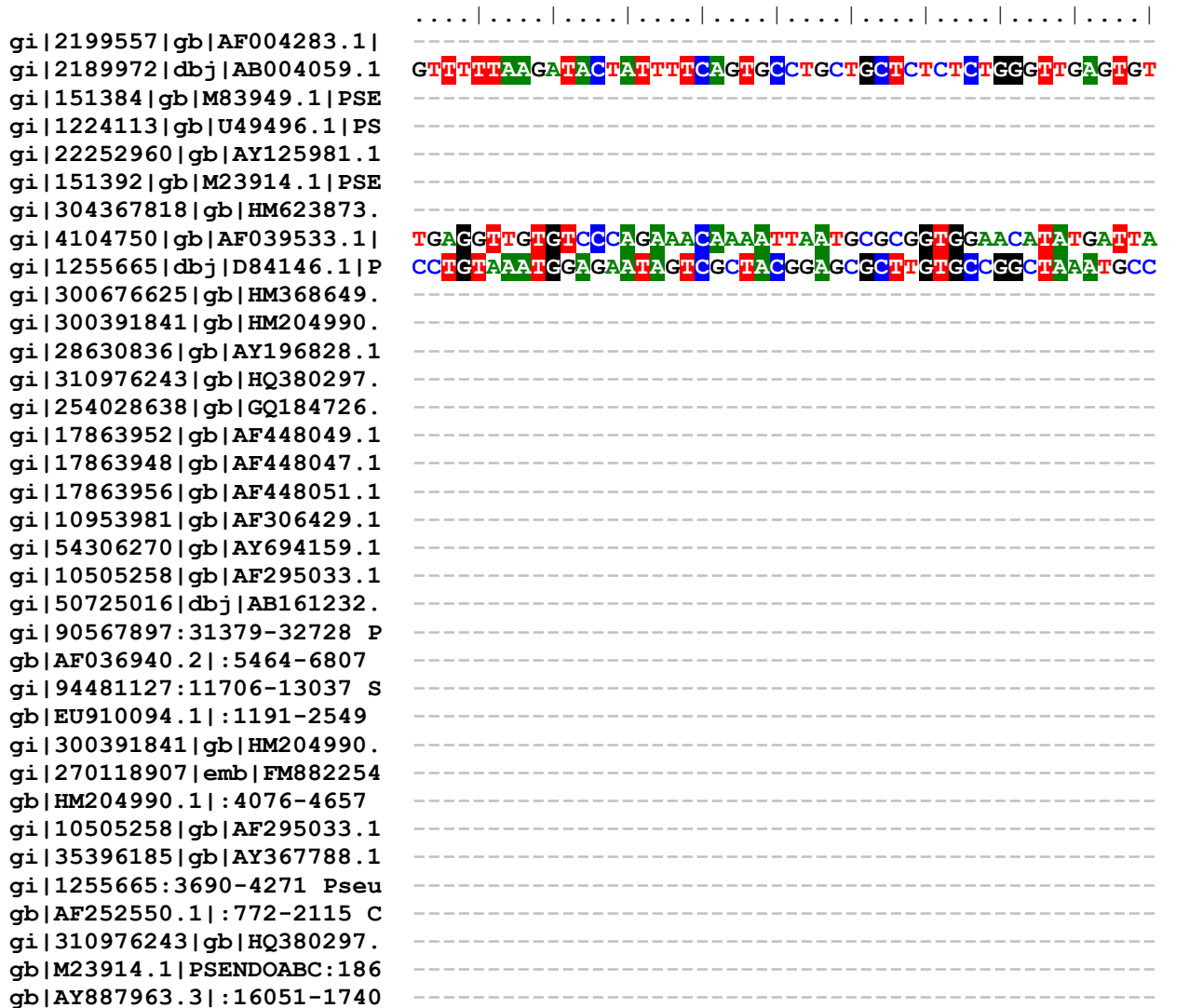
```

gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          13360      13370      13380      13390      13400
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GGGCGGTCAGGGCGGACTGGCGTGTGCACGGTAGTTGTTGCCGTGAGGCAT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TTACCGGGCTCGTGTGGGCTTTTCTTAGGGTTTGGGGCAGTTTGCCTTTTAG
gi|1255665|dbj|D84146.1|P GGTGGGAAACGACCGTCTATTTATGCTCGACAACGCAGTGGGAGGTGCG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          13410      13420      13430      13440      13450

```



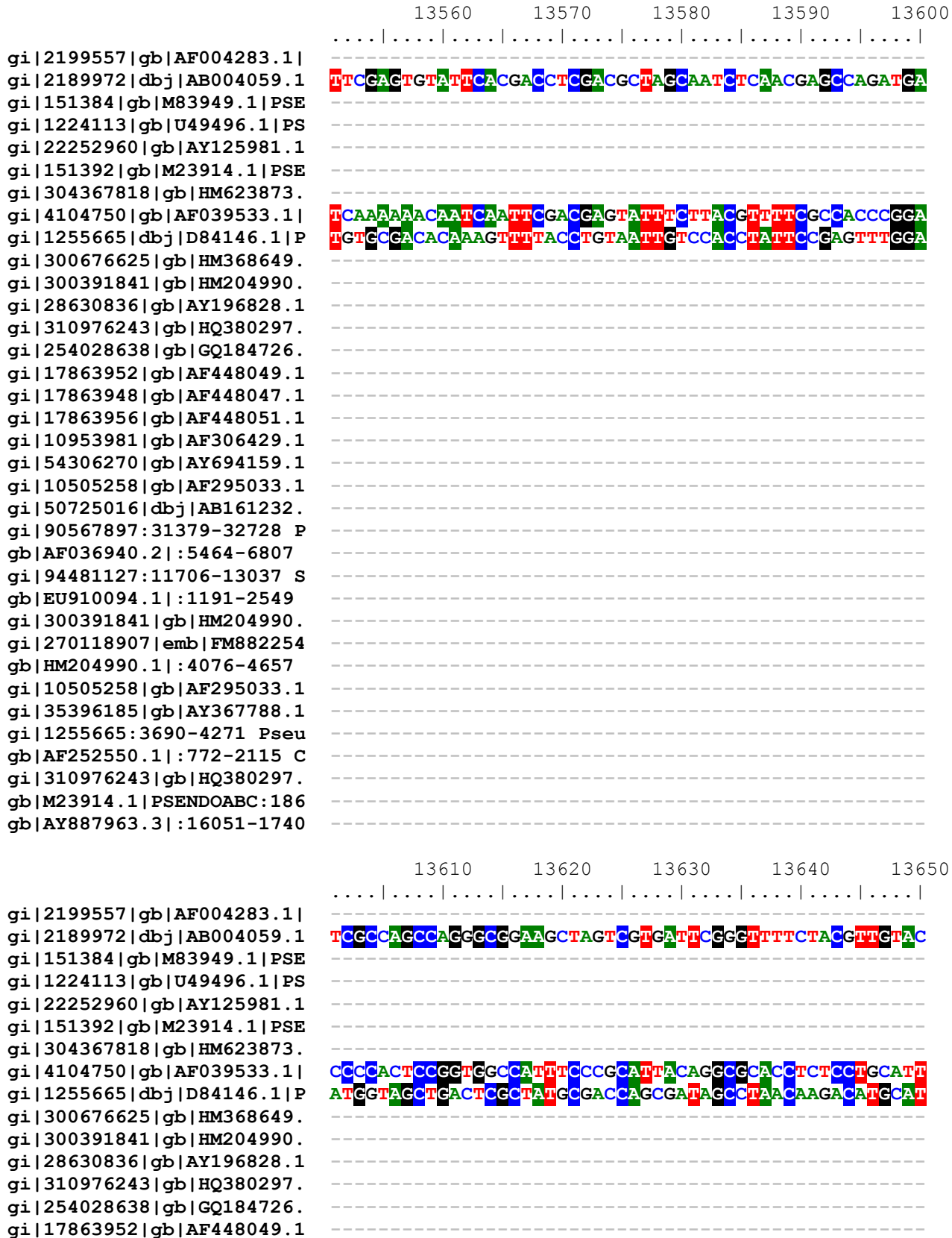
```

gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     13510      13520      13530      13540      13550
                                     .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| GGTGTTATGATGGCAATCGCTGGTACAGCGCAATGACGCCAATGCTGCTTCAC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TGTATTTCCTCCGGCAATACCACTAGCGCAACTTTTAAACTCGCCAAATGA
gi|1255665|dbj|D84146.1|P AATCAGCGGCTACTGAAGTCAGATAAAAAATGCGGACTACTTCAGGCATCC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```





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gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     13660      13670      13680      13690      13700
                                     .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CCGAATGCAATCCTGGTCTTAAACGGTCCACGCCCTTAAACGTTGGAATGCCA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CGTCAGTAAATGTTCCGGCGGCCCATCCACAGGTTTGGACAGAGCCGAACAGTTG
gi|1255665|dbj|D84146.1|P CACTGGTTAAACGGTTGGGGTGTGAAGCTTCCTGCCAACAAATGTTAGCCCCCTTGAT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----

```

```

gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

          13710      13720      13730      13740      13750
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| AATCTGCGATGTCGACATTGGCCCATATAATGTTTGGCTCTCCTCTAGT
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| TCACCCAGTTTCCGCGTGTGTTTGGCCAAGCCGC AAAAGCCGACCTTTGGTTG
gi|1255665|dbj|D84146.1|P GTGTGTAATTTGCTGCGAGGTGAAGCACAGATTGCTCGGAGCCGTACCGGC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          13760      13770      13780      13790      13800
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CAGAAATCAGTAAGGTGTGCATGGTGTATAACTGGTCAAAGCCGGGAATCAG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| TAAACCGAACTGGCGCTTGATTACCCGGAACGGATTGCTCGACCTTTGGCGG
gi|1255665|dbj|D84146.1|P TGTGGCGCTTAGGCTGGCAAGTATGACCAACGTAAGTGGGGTTGGGGCGC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----

```

```

gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     13810      13820      13830      13840      13850
                                     .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CGGAATCGCTGCCTTGGCCGCCACCTTGGCGATCAAACAGCGGTCAAATACTTA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CACCTGAGCCTTTGGCCTTTTTCAATCTTTGCCTTTGGCCTTTTGTACAGCACGC
gi|1255665|dbj|D84146.1|P AATTGGAACCAAAAAACCAACGCAAGCCTTTACCAGCCTCGTTCGGTGCCTT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu

```

```

gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          13860      13870      13880      13890      13900
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CCATTGAACTGGCCTAAGAGGGTGTGGACAAAAATAAAGTAAACTTCCTTGC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

```

```

gi|4104750|gb|AF039533.1| TCGCGTTTATTCGAGTTTTGTAGGTGCTGCCGGCTGCCGCCACCTGCCAG
gi|1255665|dbj|D84146.1|P CCATCCATGCCTCCGCCTCGATAAAGCAGCTCCGCATATTCGGCTTCCTGG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

```

```

gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

          13910      13920      13930      13940      13950
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CTCCTTTCTATGCAGCATTGAGCCATGCCCTAAAACTGGACGCCACCGTA
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

```

```

gi|4104750|gb|AF039533.1| ATAACTTCACGTCCTTCATGCTCGGGCCGCTTTTCGACACCGGTGTAGCC
gi|1255665|dbj|D84146.1|P CTGATCTCGGTTAGTAGGTCATGCAAGGTCTTTCAGCGCCTCGTTCGCT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

```

```

gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

                                13960      13970      13980      13990      14000
.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| ATCGCTACGCACCATTTACCCCTCTGCTGACCAGGCTCGCTCATACGCAGCC
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TGCATCGGCGCAAACACGTTTTCGTCGCCATGCAGCAATTTGTTCCACCT
gi|1255665|dbj|D84146.1|P CCGATTACGGAAATGGTTACGCTCGTAATGGCCGGTCTCCGACCGCTTTCATGC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1

```

```

gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          14010      14020      14030      14040      14050
.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TTAATTCAGTCAAGCCGAACTGGCCAGATTCCATGCAGAAACGGGCAT
gi|151384|gb|M83949.1|PSE

```

```

gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| GGGTGACATCCGCCACATTGGCCGCCGTGCCACTACGCTGTGCACCAGA
gi|1255665|dbj|D84146.1|P CCGTAGGGCTCCAGGCAGTAGCGCTCGATGTTCTCCGTGGCCCCGCTTCCGA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.

```

```

gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

          14060      14070      14080      14090      14100
.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CACCGCGCATCCCGACACCTTTGC AAAAGCGCTGAGACTGGCCGGGATCG
gi|151384|gb|M83949.1|PSE

```

```

gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| CCCGATTTCGTCATCGGCCCGCATGTGGGCCATTCATGCCAAAAATAATACTG
gi|1255665|dbj|D84146.1|P CCGCGCATCAACTTTCGCTGTTGTTCAACCACCGCCAGCCGCAAGGGTGACGGT

```

```

gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          14110      14120      14130      14140      14150
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| TTCGAGTAAAGGAGCGTGCCTAAAGGTAGCTTCCAGCCCTCCCGAGCCTCGT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| GTTTCCTTCTTGGTCTGGTGCATTTCCGGGTCCGCTTGCCGTCCTTGT
gi|1255665|dbj|D84146.1|P GGCCACCCGCTCCGACGGTTGACTCTGCCGGTGACCGGATATTGCGCTTTT
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----

```



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gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

                                14160      14170      14180      14190      14200
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| AAGTCTTATGGCTATACCGAGGCA CACCCGCGTCAGTTGCCGAGCAACG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TCTTGGTCGAAC TGGGCGCATTCATCAGCGTTGCATCGACGATGGTTGCC
gi|1255665|dbj|D84146.1|P GACCTCGCGCCAGGGCGCTCTTCTGGTACGTTCCCGATCTTCGACGCCACGG
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

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                                14210      14220      14230      14240      14250
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1| CTATCCAGTTGCCCTGACTGATGCAGAA TGGACGTTGGTCGCTGATTTAT
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.

```

```

gi|4104750|gb|AF039533.1| TGGCGCAGCGACAGGCCGCGGTCGCCAGATAGCCATTGATGACAGCGAG
gi|1255665|dbj|D84146.1|P TGGCGTAGGTAGCTGTACAGGGTGCCTCTTGGAGATGTGCAACTTCTCGCC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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14260 14270 14280 14290 14300  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TTTGAAGTCTCGGGAGGTCGCGGGGTACCCTCGCCACTCCCGACGCACTC
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GATGCCCGGCCCGCCAGCTCGTGTCTTCTCCAGCAAGCGGCCGGAAGTTGAGAA
gi|1255665|dbj|D84146.1|P GATGGCGCTGACGCTCAGCGCGGCCCTCGCGGTACAGGGTCTCCGCGCCA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----

```

```

gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

14310 14320 14330 14340 14350  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 TTTTGGAGCCCTGCTGTTATGTCGGTGCACAGGGTCTCCTGGCGAATG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1| TGGTGGTTTTCGTCGGGGATGCGCTCCAGGTTTCAAGCCCGGCAAACTGGCGC
gi|1255665|dbj|D84146.1|P TGGCGGTGGCCCTCGGCCCTTGGCTGGCAGGCCCTTTGGGACGGCGAATCCGATC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

14360 14370 14380 14390 14400  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1 CTGCTTCGCGAGTTTCCCTATTGGGACAATGTCCTATAAAACCTTTCGGCG
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1

```

```

gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

```

```

-----
AGGATCGTGGTTTCGTACAGCGCTTCCTCCATCGCTGGATCGCTGTAGCC
CGGCCCTCGAGTCCGTGCCGACAGGCCCGCCTGAGTCCGCTCGCGGAT
-----

```

```

          14410          14420          14430          14440          14450
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807

```

```

CTGGAGCGTCAGGGCAAGTTTGAGCAAATGCACGACCGGCTCCGTGCCCA
-----

```

```

GAAACAAGTTCTGCATCAGATTGCACACGCAGCATCGCCATCAACGGGTATG
CAGCTCCGCTCGAAGTGAACAGGTTGAAACACCAGGCGATCTTGGGCGTG
-----

```

```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

14460 14470 14480 14490 14500  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 ATGGCGAGAGCGGGTGGATCGTGATGAACGGCCGTCAGCCGCTGTTCCTGG
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| CCGGACGGCCACCTTTCACCCCTTCGGATTAATATGGCTCGATCAAAGCAATC
gi|1255665|dbj|D84146.1|P GGTGCTGTCAATGGGGTCTGTTCAAGGCTCTGCAAGCCGACCTTTGCGTGCAG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----

```

```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

14510 14520 14530 14540 14550  
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 ATTCCCAATCAACGCGCACGTCCTCCCAAGGCGGTGAAAGCGGTTACGAC
gi|151384|gb|M83949.1|PSE -----

```

```

gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| AAGCCCTTCCACGGCACCCACC CGATCCATCTCGATCAAGAACAACTCCTT
gi|1255665|dbj|D84146.1|P CCAGCTAGCCGACCAACTCAACCAAGGTGCTTGAGCGAGCGACCGAGGCGA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          14560      14570      14580      14590      14600
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 GCAGGCAAAAAG -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GGGGTTTGCTTTCGGCTTGCCAGCGTACTCGGCGTCGGCGAAGGTCATCT
gi|1255665|dbj|D84146.1|P TCCAGCTTCCAGATCACCCACGGCATCGCCCGCTCGAACATGGGCTAGCAA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----

```

```

gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          14610      14620      14630      14640      14650
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| GCTTCATCGGAAACTCGGGTGGGTGGAGAGTCTGGGCATTTTGCCAAATC
gi|1255665|dbj|D84146.1|P CTTGTCCTCAACTCCGGCCGCGCGCTTTTTGCGCCGCTGGCGATGCTTTGAT
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

```

          14660      14670      14680      14690      14700
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

```

gi|2199557|gb|AF004283.1| -----

```

```

gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1|P AGGAAAATCTTCTTCAGAGTTCCCTTAATGCTGCGATCTTGGGTATGCTCAA
gi|1255665|dbj|D84146.1|P AGATGCGTTTCGCACCCGGCCTGTTTCAGGGCATCGACCTGGAGGTCGGCG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

14710 14720 14730 14740 14750

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1|P -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1|P GCCCAGCGGTATCAAGGCC
gi|1255665|dbj|D84146.1|P TTCCTAATCCCGAGTGCTCACCCGCGTATAACCGATCTTCATAAAAAGTAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----

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gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     14760      14770      14780      14790      14800
                                     .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P CGTTTACTTGACTGCATTAGTAATAGTTGAACTTTGATTAAGCTTACCAG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                     14810      14820      14830      14840      14850

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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P TTATTTGAACCCTAGCGCAGGTGTAAGCGTCCAGCCGCCCCACCTCTACT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|
gi|10953981|gb|AF306429.1|
gi|54306270|gb|AY694159.1|
gi|10505258|gb|AF295033.1|
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1|
gi|35396185|gb|AY367788.1|
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740

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14860 14870 14880 14890 14900
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1|
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1|
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P CAGCTTGATGAACCGAGGGGCAGTAGTTCATCAATCCGGCTGTTAGGGAA
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1|
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1|
gi|17863948|gb|AF448047.1|
gi|17863956|gb|AF448051.1|

```

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gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                14910      14920      14930      14940      14950
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P ACTCTGAAGAAGACTTCCTGATTTTGGCAAAATGCCCGGATTTCACCCGC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                                14960      14970      14980      14990      15000
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|-----
gi|2189972|dbj|AB004059.1|-----
gi|151384|gb|M83949.1|PSE-----
gi|1224113|gb|U49496.1|PS-----
gi|22252960|gb|AY125981.1|-----
gi|151392|gb|M23914.1|PSE-----
gi|304367818|gb|HM623873.-----
gi|4104750|gb|AF039533.1|-----
gi|1255665|dbj|D84146.1|PCGAGTTTTCCAATGAAGCAGATGACCTTCCTCGACGCCGAGTATGCCGGT-----
gi|300676625|gb|HM368649.-----
gi|300391841|gb|HM204990.-----
gi|28630836|gb|AY196828.1|-----
gi|310976243|gb|HQ380297.-----
gi|254028638|gb|GQ184726.-----
gi|17863952|gb|AF448049.1|-----
gi|17863948|gb|AF448047.1|-----
gi|17863956|gb|AF448051.1|-----
gi|10953981|gb|AF306429.1|-----
gi|54306270|gb|AY694159.1|-----
gi|10505258|gb|AF295033.1|-----
gi|50725016|dbj|AB161232.-----
gi|90567897:31379-32728 P-----
gb|AF036940.2|:5464-6807-----
gi|94481127:11706-13037 S-----
gb|EU910094.1|:1191-2549-----
gi|300391841|gb|HM204990.-----
gi|270118907|emb|FM882254-----
gb|HM204990.1|:4076-4657-----
gi|10505258|gb|AF295033.1|-----
gi|35396185|gb|AY367788.1|-----
gi|1255665:3690-4271 Pseu-----
gb|AF252550.1|:772-2115 C-----
gi|310976243|gb|HQ380297.-----
gb|M23914.1|PSENDOABC:186-----
gb|AY887963.3|:16051-1740-----

                                15010      15020      15030      15040      15050
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|-----
gi|2189972|dbj|AB004059.1|-----
gi|151384|gb|M83949.1|PSE-----
gi|1224113|gb|U49496.1|PS-----
gi|22252960|gb|AY125981.1|-----
gi|151392|gb|M23914.1|PSE-----
gi|304367818|gb|HM623873.-----
gi|4104750|gb|AF039533.1|-----
gi|1255665|dbj|D84146.1|PAAGCGCAAACAGACCCGCAAAGAGCTGTTTCCTGATCGAGATGGATCGGGT-----
gi|300676625|gb|HM368649.-----
gi|300391841|gb|HM204990.-----
gi|28630836|gb|AY196828.1|-----
gi|310976243|gb|HQ380297.-----
gi|254028638|gb|GQ184726.-----
gi|17863952|gb|AF448049.1|-----

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gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSEND0ABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          15060      15070      15080      15090      15100
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GGT GCCG T GGAAGGG TTTT GATT GCC TTT GAT C GAT CCG CAT TTA CCCCCAAGG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----

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gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                15110      15120      15130      15140      15150
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GTGAGGGTGGCCCCGCCAGCCTATCCACTGACGGCAATGCTGCGGGTTTCAT
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1| -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1| -----
gi|17863948|gb|AF448047.1| -----
gi|17863956|gb|AF448051.1| -----
gi|10953981|gb|AF306429.1| -----
gi|54306270|gb|AY694159.1| -----
gi|10505258|gb|AF295033.1| -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1| -----
gi|35396185|gb|AY367788.1| -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                15160      15170      15180      15190      15200
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1| -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1| -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P CTGATGCATAAGTGGTTCGGCTACAGCGACCCGGCGATGGAGGAAGCGCT
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1| -----
gi|310976243|gb|HQ380297. -----

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gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          15210      15220      15230      15240      15250
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GTACGAGACGACCATCCTGCGCCAGTTTGCCGGGTTGAGCCTGGAGCGCA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----

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gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          15260      15270      15280      15290      15300
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P TTCCGGACTAAACCACCATCCCCAACTTCCGCCGGCTGCTGGAGAAACAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          15310      15320      15330      15340      15350
.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GAACTACCTACCGGCATCATGTTTGCTGAATTTTCGCCTTTGGCTTTGAG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----

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gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          15360      15370      15380      15390      15400
.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P TGCGGCATTCAACCGATACAGGTGTGGCATGACACGCCAAAGAAATCAAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----

```

```

gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                15410      15420      15430      15440      15450
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P CTTGGCGGCTAGAACACTTGTTCGATGAAGCGAACCAATCCGCAAACGTTAA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

                                15460      15470      15480      15490      15500
                                .....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GGCTACCAGGAAAAACCCAGGATGCGGTAGCCGATAGCCCGCGCGCGCAT

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```

gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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                                15510      15520      15530      15540      15550
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P TGGTCTCCTTCCGTCCAAGAGTGTCAAAGGATATTGGACTAATGCAGCAT
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----

```

```

gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          15560      15570      15580      15590      15600
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P GCCTCGACCACATGGCCGTGGTCCGTTCATCTGTTGGCCATACGTCATC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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          15610      15620      15630      15640      15650
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

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```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----

```

```

gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P GAAATCGGACGCGGGCGGCGACGACCTCGGGTTGTTGGCGTTCGGCCCCAGT
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549
gi|300391841|gb|HM204990.
gi|270118907|emb|FM882254
gb|HM204990.1|:4076-4657
gi|10505258|gb|AF295033.1
gi|35396185|gb|AY367788.1
gi|1255665:3690-4271 Pseu
gb|AF252550.1|:772-2115 C
gi|310976243|gb|HQ380297.
gb|M23914.1|PSENDOABC:186
gb|AY887963.3|:16051-1740
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|2199557|gb|AF004283.1|
gi|2189972|dbj|AB004059.1
gi|151384|gb|M83949.1|PSE
gi|1224113|gb|U49496.1|PS
gi|22252960|gb|AY125981.1
gi|151392|gb|M23914.1|PSE
gi|304367818|gb|HM623873.
gi|4104750|gb|AF039533.1|
gi|1255665|dbj|D84146.1|P CGATGAGCTCAGTCAGGGACGGCATTAGCGAAGTCCCGAGCGGGGTGAGC
gi|300676625|gb|HM368649.
gi|300391841|gb|HM204990.
gi|28630836|gb|AY196828.1
gi|310976243|gb|HQ380297.
gi|254028638|gb|GQ184726.
gi|17863952|gb|AF448049.1
gi|17863948|gb|AF448047.1
gi|17863956|gb|AF448051.1
gi|10953981|gb|AF306429.1
gi|54306270|gb|AY694159.1
gi|10505258|gb|AF295033.1
gi|50725016|dbj|AB161232.
gi|90567897:31379-32728 P
gb|AF036940.2|:5464-6807
gi|94481127:11706-13037 S
gb|EU910094.1|:1191-2549

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gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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15710 15720 15730 15740 15750

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P CCGTTAGCCGCACAGATGGGGGTGTCGAGGGCCGTTTACCTTCGCGCCAGATGAG
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

15760 15770 15780 15790 15800

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----

```

```

gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P TCCGTCGCGTTTCGAGGTGACGCAGCGTCTTCGGTCAGCATCCGGCGCGAAA
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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15810 15820 15830 15840 15850

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|

```

gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P TGTCGGGCACGGCGCGGGCCAGCGCATTGAATCGTTGCGGACCCCTGCGAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----

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```

gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

```

15860 15870

.....|.....|.....|.....|.....

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gi|2199557|gb|AF004283.1| -----
gi|2189972|dbj|AB004059.1 -----
gi|151384|gb|M83949.1|PSE -----
gi|1224113|gb|U49496.1|PS -----
gi|22252960|gb|AY125981.1 -----
gi|151392|gb|M23914.1|PSE -----
gi|304367818|gb|HM623873. -----
gi|4104750|gb|AF039533.1| -----
gi|1255665|dbj|D84146.1|P AAGGTGACCAGGATCAGCGTCGAC
gi|300676625|gb|HM368649. -----
gi|300391841|gb|HM204990. -----
gi|28630836|gb|AY196828.1 -----
gi|310976243|gb|HQ380297. -----
gi|254028638|gb|GQ184726. -----
gi|17863952|gb|AF448049.1 -----
gi|17863948|gb|AF448047.1 -----
gi|17863956|gb|AF448051.1 -----
gi|10953981|gb|AF306429.1 -----
gi|54306270|gb|AY694159.1 -----
gi|10505258|gb|AF295033.1 -----
gi|50725016|dbj|AB161232. -----
gi|90567897:31379-32728 P -----
gb|AF036940.2|:5464-6807 -----
gi|94481127:11706-13037 S -----
gb|EU910094.1|:1191-2549 -----
gi|300391841|gb|HM204990. -----
gi|270118907|emb|FM882254 -----
gb|HM204990.1|:4076-4657 -----
gi|10505258|gb|AF295033.1 -----
gi|35396185|gb|AY367788.1 -----
gi|1255665:3690-4271 Pseu -----
gb|AF252550.1|:772-2115 C -----
gi|310976243|gb|HQ380297. -----
gb|M23914.1|PSENDOABC:186 -----
gb|AY887963.3|:16051-1740 -----

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```

gb|AF082663.3|:4123-5535 GGGGAACACCTTCACA CTTCCGATGCCCTTACCACGGTTGGACCTACAGC
gi|47563680|dbj|AB179737. GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|37622236|gb|AY330102.1 GCTGTCCAATTCCTGT CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|37622232|gb|AY330100.1 GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|26080262|gb|AF548347.1 GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|26080258|gb|AF548345.1 GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|26080254|gb|AF548343.1 GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|11038551|gb|AF249301.2 GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|108743908|gb|DQ537941. GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|47563680|dbj|AB179737. GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gi|226359415:2760431-2761 GGGCAA GCGAACGGCTTCACCTGCCCGTATCACAGCTGGTCCGTACGCC
gi|316994385:945850-94720 GCGGAAAGAAAAAAGCGTTTACCTGTCCCTTACCATTGGATGGAGTTACAAT
gb|CP001878.2|:945850-947 GCGGAAAGAAAAAAGCGTTTACCTGTCCCTTACCATTGGATGGAGTTACAAT
gi|237825726|gb|FJ032196. GGGAAACACCCGCGCA CTTCCAATGCCCGTACCACGGCTGGGTGTACAGC
gb|GQ848233.3|:3483-4889 GGGGAACGCCTCACA CTTCCGGTGCCCGTACCACGGCTGGACCTACAGC
gi|27531091:2395-3873 Ter GGGCAACGCCTCGCA CTTCCGCTGCCCGTACCACGGCTGGTCCCTACCGC
gi|325961450:235907-23721 CGGCTCCACCG GTAAACCTCGTCTGCGGCTACCACCTCTGGACCTATTCC
gi|310976243|gb|HQ380297.

```

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          410          420          430          440          450
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|27657414|emb|AJ494745. AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gb|DQ846881.1|:4555-5967 AACACCCGGGAAGTCTGGTCGGTGTTCGGCCGGCAAGGATGCGTATGGCAA
gb|AF082663.3|:4123-5535 AACACCCGGGAAGTCTGGTCGGTGTTCGGCCGGCAAGGATGCGTATGGCAA
gi|47563680|dbj|AB179737. AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGACGGAGGCCATATCCCGG
gi|37622236|gb|AY330102.1 AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|37622232|gb|AY330100.1 AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|26080262|gb|AF548347.1 AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|26080258|gb|AF548345.1 AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|26080254|gb|AF548343.1 AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|11038551|gb|AF249301.2 AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|108743908|gb|DQ537941. AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|47563680|dbj|AB179737. AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGAGT GAGGCCATATCCCGG
gi|226359415:2760431-2761 CTCGACCGAAGTCTCGCGGAATCCC CTACCCCGACCGCTACGACGA
gi|316994385:945850-94720 TTAGATGGAGAATTGGTTGGTATCGTTTGCAGGGAATAAAGTATACGGTGA
gb|CP001878.2|:945850-947 TTAGATGGAGAATTGGTTGGTATCGTTTGCAGGGAATAAAGTATACGGTGA
gi|237825726|gb|FJ032196. AACACCCGGAGAGCTCGTCGGCGTGCCGGCGATGACGGAGGCCATATCCCGG
gb|GQ848233.3|:3483-4889 AACACCCGGGAAGTCTGGTCGGCGTGCCGGCCGGCAAGGACCGCTACGGCAA
gi|27531091:2395-3873 Ter AATGACGGGCGGATCGTCGGCTCCCATTTCCACCAAGA CCGTTACGGCGG
gi|325961450:235907-23721 CCAGAGGGCAA CTTGATCCACGCCTC CGCCCCGGCG AAGCCAA
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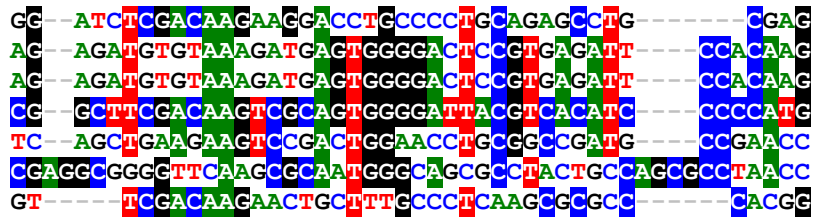
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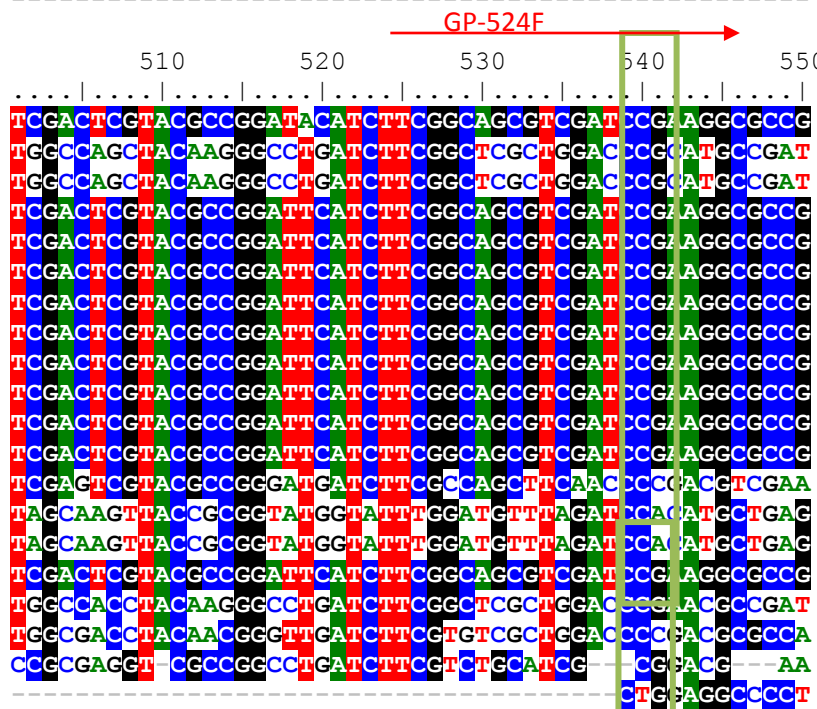
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.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
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gb|DQ846881.1|:4555-5967 TC AGCTGAAGAAATCCGACTGGAACCTACGGCCGATG CCGAATC
gb|AF082663.3|:4123-5535 TC AGCTGAAGAAATCCGACTGGAACCTACGGCCGATG CCGAATC
gi|47563680|dbj|AB179737. CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|37622236|gb|AY330102.1 CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|37622232|gb|AY330100.1 CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|26080262|gb|AF548347.1 CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|26080258|gb|AF548345.1 CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|26080254|gb|AF548343.1 CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|11038551|gb|AF249301.2 CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|108743908|gb|DQ537941. CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG
gi|47563680|dbj|AB179737. CG GCTTCGACAAGTCCGAGTGGGGATTACGTCACATC CCCCATG

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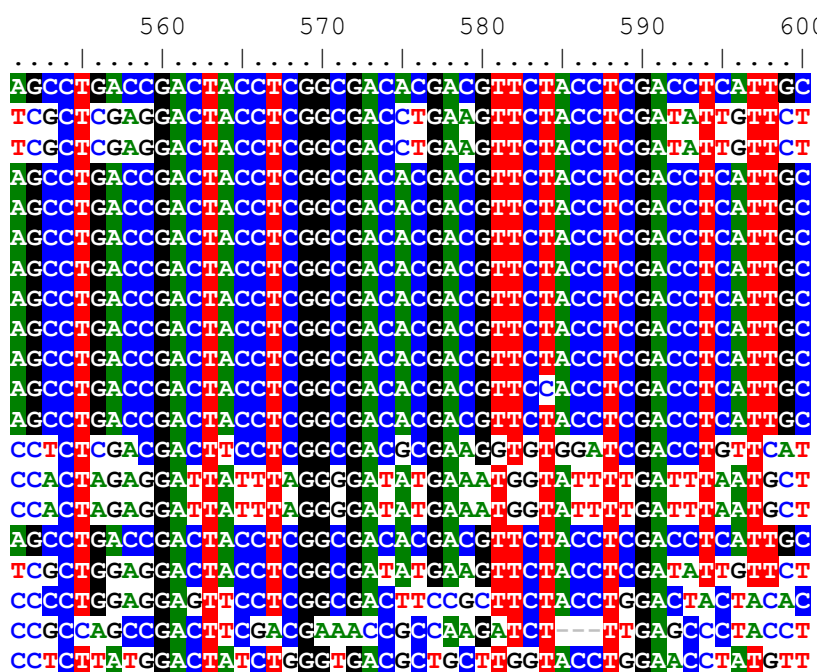
gi|226359415:2760431-2761  
 gi|316994385:945850-94720  
 gb|CP001878.2|:945850-947  
 gi|237825726|gb|FJ032196.  
 gb|GQ848233.3|:3483-4889  
 gi|27531091:2395-3873 Ter  
 gi|325961450:235907-23721  
 gi|310976243|gb|HQ380297.



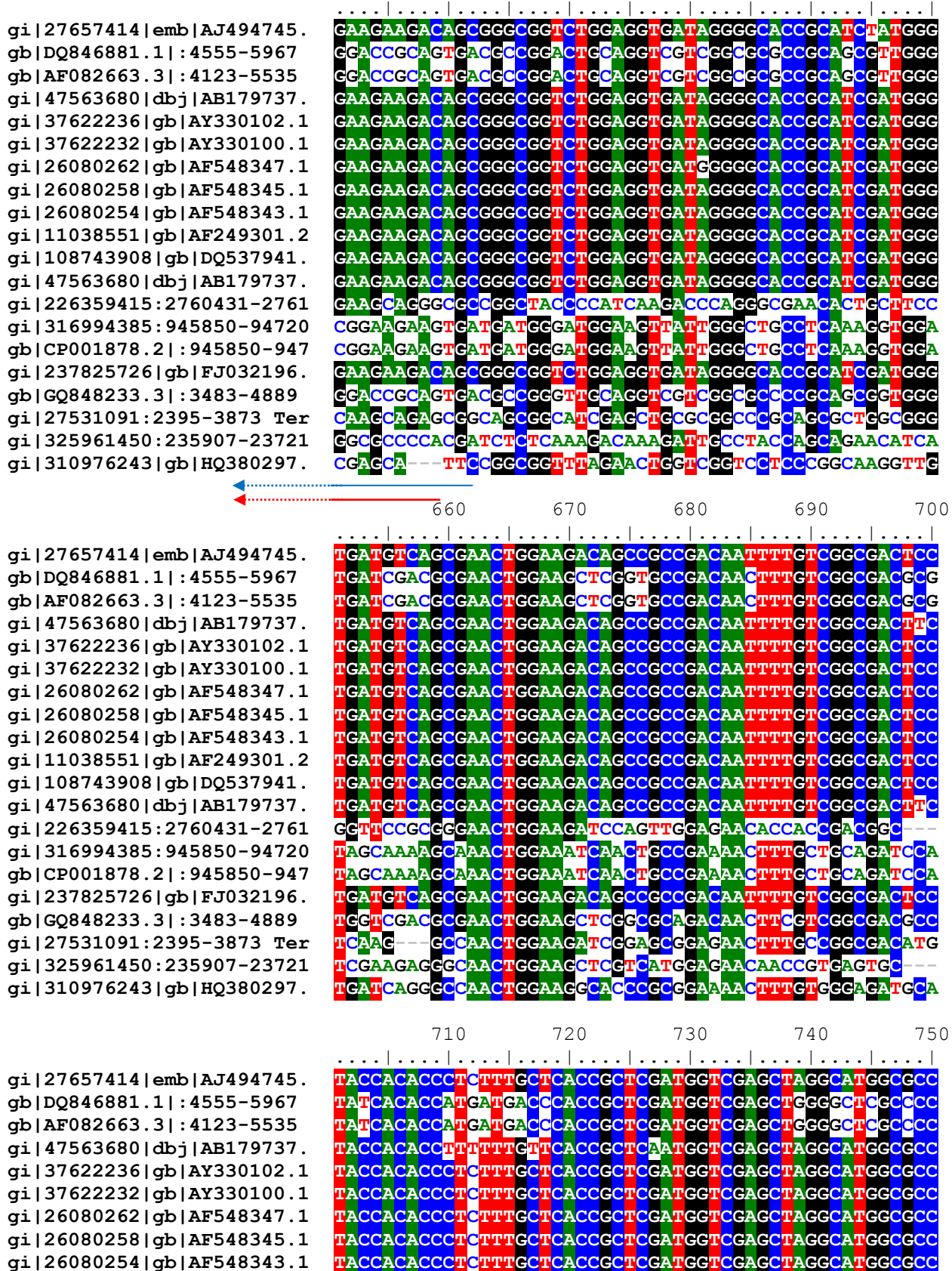
gi|27657414|emb|AJ494745.  
 gb|DQ846881.1|:4555-5967  
 gb|AF082663.3|:4123-5535  
 gi|47563680|dbj|AB179737.  
 gi|37622236|gb|AY330102.1  
 gi|37622232|gb|AY330100.1  
 gi|26080262|gb|AF548347.1  
 gi|26080258|gb|AF548345.1  
 gi|26080254|gb|AF548343.1  
 gi|11038551|gb|AF249301.2  
 gi|108743908|gb|DQ537941.  
 gi|47563680|dbj|AB179737.  
 gi|226359415:2760431-2761  
 gi|316994385:945850-94720  
 gb|CP001878.2|:945850-947  
 gi|237825726|gb|FJ032196.  
 gb|GQ848233.3|:3483-4889  
 gi|27531091:2395-3873 Ter  
 gi|325961450:235907-23721  
 gi|310976243|gb|HQ380297.



gi|27657414|emb|AJ494745.  
 gb|DQ846881.1|:4555-5967  
 gb|AF082663.3|:4123-5535  
 gi|47563680|dbj|AB179737.  
 gi|37622236|gb|AY330102.1  
 gi|37622232|gb|AY330100.1  
 gi|26080262|gb|AF548347.1  
 gi|26080258|gb|AF548345.1  
 gi|26080254|gb|AF548343.1  
 gi|11038551|gb|AF249301.2  
 gi|108743908|gb|DQ537941.  
 gi|47563680|dbj|AB179737.  
 gi|226359415:2760431-2761  
 gi|316994385:945850-94720  
 gb|CP001878.2|:945850-947  
 gi|237825726|gb|FJ032196.  
 gb|GQ848233.3|:3483-4889  
 gi|27531091:2395-3873 Ter  
 gi|325961450:235907-23721  
 gi|310976243|gb|HQ380297.



~ Start of RHDα  
 ~ End of RHDα  
 GP-524F  
 GP-659R  
 GP-662R



gi|11038551|gb|AF249301.2  
 gi|108743908|gb|DQ537941.1  
 gi|47563680|dbj|AB179737.1  
 gi|226359415:2760431-2761  
 gi|316994385:945850-94720  
 gb|CP001878.2|:945850-947  
 gi|237825726|gb|FJ032196.1  
 gb|GQ848233.3|:3483-4889  
 gi|27531091:2395-3873 Ter  
 gi|325961450:235907-23721  
 gi|310976243|gb|HQ380297.1

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TACCACACCCCTCTTTGCTCACCCTCGATGGTCGAGCTAGGCATGGCGCC
TACCACACCCCTTTTGTTCACCCGCTCAATGGTCGAGCTAGGCATGGCGCC
TACCACTTCCCGATCGTGCACCCGCTCCTGGATGTCGTCGTCGTCGCGCC
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TACCACACGCCGCGAGACCCACACCTCGGTGGTGGAGATCGGGCTGTTTC
TACCACATGC---GACGGCCACCCTGAGCTGGCCTGCTCCCTCTTCCCCAC
TACCACGTGGGTGGACGCACGCGTCTTCGCTTCGCTCGGG---GGAGTC
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760 770 780 790 800

gi|27657414|emb|AJ494745.1  
 gb|DQ846881.1|:4555-5967  
 gb|AF082663.3|:4123-5535  
 gi|47563680|dbj|AB179737.1  
 gi|37622236|gb|AY330102.1  
 gi|37622232|gb|AY330100.1  
 gi|26080262|gb|AF548347.1  
 gi|26080258|gb|AF548345.1  
 gi|26080254|gb|AF548343.1  
 gi|11038551|gb|AF249301.2  
 gi|108743908|gb|DQ537941.1  
 gi|47563680|dbj|AB179737.1  
 gi|226359415:2760431-2761  
 gi|316994385:945850-94720  
 gb|CP001878.2|:945850-947  
 gi|237825726|gb|FJ032196.1  
 gb|GQ848233.3|:3483-4889  
 gi|27531091:2395-3873 Ter  
 gi|325961450:235907-23721  
 gi|310976243|gb|HQ380297.1

```
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
GCCCGACCCGCAGTTTCGC---GCTCTATGCGGAACACATCCACACCCGGGCA
GCCCGACCCGCAGTTTCGC---GCTCTATGCGGAACACATCCACACCCGGGCA
CGGTGACCCAAACTTCGCGAAGCGCACCAACGGAAATCTCGCTGCAGA--A
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
CGGTGACCCAAACTTCGCGAAGCGCACCAACGGAAATCTCGCTGCAGA--A
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TGAAGATTCGTTTATACGCTGGATATGGTCATCAA-GTTGTAATGGATAA
TGAAGATTCGTTTATACGCTGGATATGGTCATCAA-GTTGTAATGGATAA
CGGTGACCCAAACTTCGCGAGCGCACCAGCGGAGATCTCGCTGCAGA--A
GCCCGACCCGCAGTTTCGC---GCTCTACGGAAGCACTCCACACCGAGCA
CGGGAGCCCAAGCCGAGAAAGCCAAAGGACGGGG---CCACCTACTGG-G
CTGGGGCCATGACGG---AGGGCTGATCCCGCCGATCTTTGAG
TATCTTCTCGTCGCTCGCTGGCAATGCGCC---CTCCACCTGA---
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810 820 830 840 850

gi|27657414|emb|AJ494745.1  
 gb|DQ846881.1|:4555-5967  
 gb|AF082663.3|:4123-5535  
 gi|47563680|dbj|AB179737.1  
 gi|37622236|gb|AY330102.1  
 gi|37622232|gb|AY330100.1  
 gi|26080262|gb|AF548347.1  
 gi|26080258|gb|AF548345.1  
 gi|26080254|gb|AF548343.1  
 gi|11038551|gb|AF249301.2  
 gi|108743908|gb|DQ537941.1  
 gi|47563680|dbj|AB179737.1  
 gi|226359415:2760431-2761  
 gi|316994385:945850-94720  
 gb|CP001878.2|:945850-947  
 gi|237825726|gb|FJ032196.1  
 gb|GQ848233.3|:3483-4889  
 gi|27531091:2395-3873 Ter  
 gi|325961450:235907-23721

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CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGGGCACGGCTTGGGTATCATT---GGTCCGCGCCGGGT---ATGCC
CGGGCACGGCTTGGGTATCATT---GGTCCGCGCCGGGT---ATGCC
CGGCCACGGGGTCGGCGTACTC---GGCTTTCCGCCCACG---CTTGCC
CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGCTCTCGGCAACGGTCACAGC---GTCGCCATCATGG---TCCC
TGACATGGTATTAATGTCATC---ACTTCAAAAACGGG---CCGGT
TGACATGGTATTAATGTCATC---ACTTCAAAAACGGG---CCGGT
CGGCCACGGCGTCGGCGTACTC---GGCTTTCCGCCCACG---CTCGCC
CGGTACGGCTTGGGCATCATT---GGTCCGCGCCGGGT---ATGCC
CGGGCGCCGGGGCGGGGACGACCTACAAAGCTCCCCGAGGGCGACCTCGAC
GAAGTGTGGGACCGGAACAAGC---AGGCCAGTCCCTCC---CTCGAG
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gi | 310976243 | gb | HQ380297.  -AGGCGCAGGCTTGCAAAATGACC-----TCCAAATAAGGCAGCGGCATG
                                     860      870      880      890      900
gi | 27657414 | emb | AJ494745.  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gb | DQ846881.1 | : 4555-5967    G--TTGCCGGAGTTCATGGGCCTTCCGGA  GAAATCGTTGAAGAGTTGG
gb | AF082663.3 | : 4123-5535    G--TTGCCGGAGTTCATGGGCCTTCCGGA  GAAATCGTTGAAGAGTTGG
gi | 47563680 | dbj | AB179737.  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 37622236 | gb | AY330102.1  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 37622232 | gb | AY330100.1  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 26080262 | gb | AF548347.1  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 26080258 | gb | AF548345.1  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 26080254 | gb | AF548343.1  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 11038551 | gb | AF249301.2  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 108743908 | gb | DQ537941.  GATTTTCCCGAGTACGAGGGATACCCCGG  CGAAGTCGTCGACCAGATGG
gi | 47563680 | dbj | AB179737.  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gi | 226359415 : 2760431-2761  GAGCACGTCGATCTCG-----ACCACGA  CGACGGCAGCGAGAAGATTTC
gi | 316994385 : 945850-94720  CTAGGGCAAAGTATCAAGGGATGCCGTGAATCGATGTGGCCGAT--GTTTTC
gb | CP001878.2 | : 945850-947  CTAGGGCAAAGTATCAAGGGATGCCGTGAATCGATGTGGCCGAT--GTTTTC
gi | 237825726 | gb | FJ032196.  GATTTTCCCGAGTACGAGGGATACCCCGA  CGAAGTCGTCGACCAGATGG
gb | GQ848233.3 | : 3483-4889    G--CTGCCGGAGTTCATGGGCATGCCGGA  GAAATCGTCGAGGAGTTGG
gi | 27531091 : 2395-3873 Ter  GAAACGGCTGCGCTACGTCGGGTATCCGCA  GGAATGGTGGACCGGATGA
gi | 325961450 : 235907-23721  GAGCGTTGCGCCGCTACGGCCTTCCCTA  CGAGGTGGTGGAGCAGCCTTG
gi | 310976243 | gb | HQ380297.  GGTGTGTTGGGGGACG--GATATTCAGGTGTGCATAG  CGCAGACTTGG

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```

                                     910      920      930      940      950
gi | 27657414 | emb | AJ494745.  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAG
gb | DQ846881.1 | : 4555-5967    AACGTCGGCTCACGCCGGAGCAGGTCGAAAATCTTCCGGCCACTGCCTTC
gb | AF082663.3 | : 4123-5535    AACGTCGGCTCACGCCGGAGCAGGTCGAAAATCTTCCGGCCACTGCCTTC
gi | 47563680 | dbj | AB179737.  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 37622236 | gb | AY330102.1  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 37622232 | gb | AY330100.1  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 26080262 | gb | AF548347.1  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAG
gi | 26080258 | gb | AF548345.1  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 26080254 | gb | AF548343.1  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 11038551 | gb | AF249301.2  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 108743908 | gb | DQ537941.  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 47563680 | dbj | AB179737.  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gi | 226359415 : 2760431-2761  AGGCGCGTTCG--ACCAATCGTCGAGGAACTGTGAAAGCATGCCCGC
gi | 316994385 : 945850-94720  AGAGGAATTTATCATCAGAACA--AAGAGATATACTAGACCG--GGTTAC
gb | CP001878.2 | : 945850-947  AGAGGAATTTATCATCAGAACA--AAGAGATATACTAGACCG--GGTTAC
gi | 237825726 | gb | FJ032196.  CGACGTCCTACCCGTC--GCCGGTACACAAGGACCTGATGCGACGCTCAT
gb | GQ848233.3 | : 3483-4889    GGCGTCGGCTCACGCCGGAGCAGGTCGAGATCTTCCGGCCCAATGCCTTC
gi | 27531091 : 2395-3873 Ter  AGCAGCATTTTGTCTCCGATCAGCTCAAGGTTATCCGGCAGCAGCGCTTC
gi | 325961450 : 235907-23721  ACACCCGCAATTGCCGGAATCCGTATTTTACGGGAATCACTCGATGGCGAG
gi | 310976243 | gb | HQ380297.  TTCGGAAATTGATGGC--ATTCCGAGGCGCAAAGCAGGAAAG--GCTGAA

```

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                                     960      970      980      990      1000
gi | 27657414 | emb | AJ494745.  --CCTTTATTACGGCACC  GTGTTCCCGAATTTGTCGTTTCATCAACG--T
gb | DQ846881.1 | : 4555-5967    --ATC-----CATGGCACC  GTGTTCCCGAATCTATCGATCGGCAACT--T
gb | AF082663.3 | : 4123-5535    --ATC-----CATGGCACC  GTGTTCCCGAATCTATCGATCGGCAACT--T
gi | 47563680 | dbj | AB179737.  --CCTTTATTACGGCACC  GTGTTCCCGAATTTGTCGTTTCATCAACG--T
gi | 37622236 | gb | AY330102.1  --CCTTTATTACGGCACC  GTGTTCCCGAATTTGTCGTTTCATCAACG--T
gi | 37622232 | gb | AY330100.1  --CCTTTATTACGGCACC  GTGTTCCCGAATTTGTCGTTTCATCAACG--T

```



```

gi|26080262|gb|AF548347.1 -- CCTTTATTACGGCACC GTGTTCCCGAATTTGTCGTTTCATCAACG T
gi|26080258|gb|AF548345.1 -- CCTTTATTACGGCACC GTGTTCCCGAATTTGTCGTTTCATCAACG T
gi|26080254|gb|AF548343.1 -- CCTTTATTACGGCACC GTGTTCCCGAATTTGTCGTTTCATCAACG T
gi|11038551|gb|AF249301.2 -- CCTTTATTACGGCACC GTGTTCCCGAATTTGTCGTTTCATCAACG T
gi|108743908|gb|DQ537941. -- CCTTTATTACGGCACC GTGTTCCCGAATTTGTCGTTTCATCAACG T
gi|47563680|dbj|AB179737. -- CCTTTATTACGGCACC GTGTTCCCGAATTTGTCGTTTCATCAACG T
gi|226359415:2760431-2761 CGACCAGGTCGGCCGCATTC GTCCGCTCGA ----- TGCACGGTGCCG G
gi|316994385:945850-94720 AGTTTTTTGTCGGTGGGGTTT --- TACCCTAATCTTTTCCTTCGTCAGCCCT
gb|CP001878.2|:945850-947 AGTTTTTTGTCGGTGGGGTTT --- TACCCTAATCTTTTCCTTCGTCAGCCCT
gi|237825726|gb|FJ032196. -- CCTTTATTACGGCACC GTGTTCCCGAATTTGTCGTTTCATCAACG T
gb|GQ848233.3|:3483-4889 -- ATC----- CATGGCACC GTGTTCCCGAATCTGTGATCGGCAACT T
gi|27531091:2395-3873 Ter -- ATGATCAGCGCGCGTCTATCTACCCGAACTTTCCCTCGTGCACA --
gi|325961450:235907-23721 -GGTGAGTCATTCTCCGCTGACGGGCGAGGCTTTCCAAAGAACTGTGTTG
gi|310976243|gb|HQ380297. CAAAGAAATTGGCATGTTT -CGCGCTCGGATTTATTCGCA -GCCACCTCA

```

1010 1020 1030 1040 1050

```

.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
gi|27657414|emb|AJ494745. GACCATCGCGCCGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gb|DQ846881.1|:4555-5967 CCTGATGGGGAAGGAAAGCCTCTCTACTGCAACT GCATTCCCTGACGCTG
gb|AF082663.3|:4123-5535 CCTGATGGGGAAGGATCACCTCTCTGCGCCGACT GCATTCCCTGACGCTG
gi|47563680|dbj|AB179737. GACCCCTCGCGCAGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gi|37622236|gb|AY330102.1 GACCCCTCGCGCAGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gi|37622232|gb|AY330100.1 GACCCCTCGCGCAGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gi|26080262|gb|AF548347.1 GACCATCGCGCCGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gi|26080258|gb|AF548345.1 GACCCCTCGCGCAGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gi|26080254|gb|AF548343.1 GACCCCTCGCGCAGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gi|11038551|gb|AF249301.2 GACCCCTCGCGCAGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
gi|108743908|gb|DQ537941. GACCCCTCGCGCAGGACCACATGTCGCCCCCTACC CCCTTCATCACGTTTC
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gb|GQ848233.3|:3483-4889 CCTGATGGCCAGGGATCACCTCTCCCGCCGTCG CCCTTCCTGACGCTG
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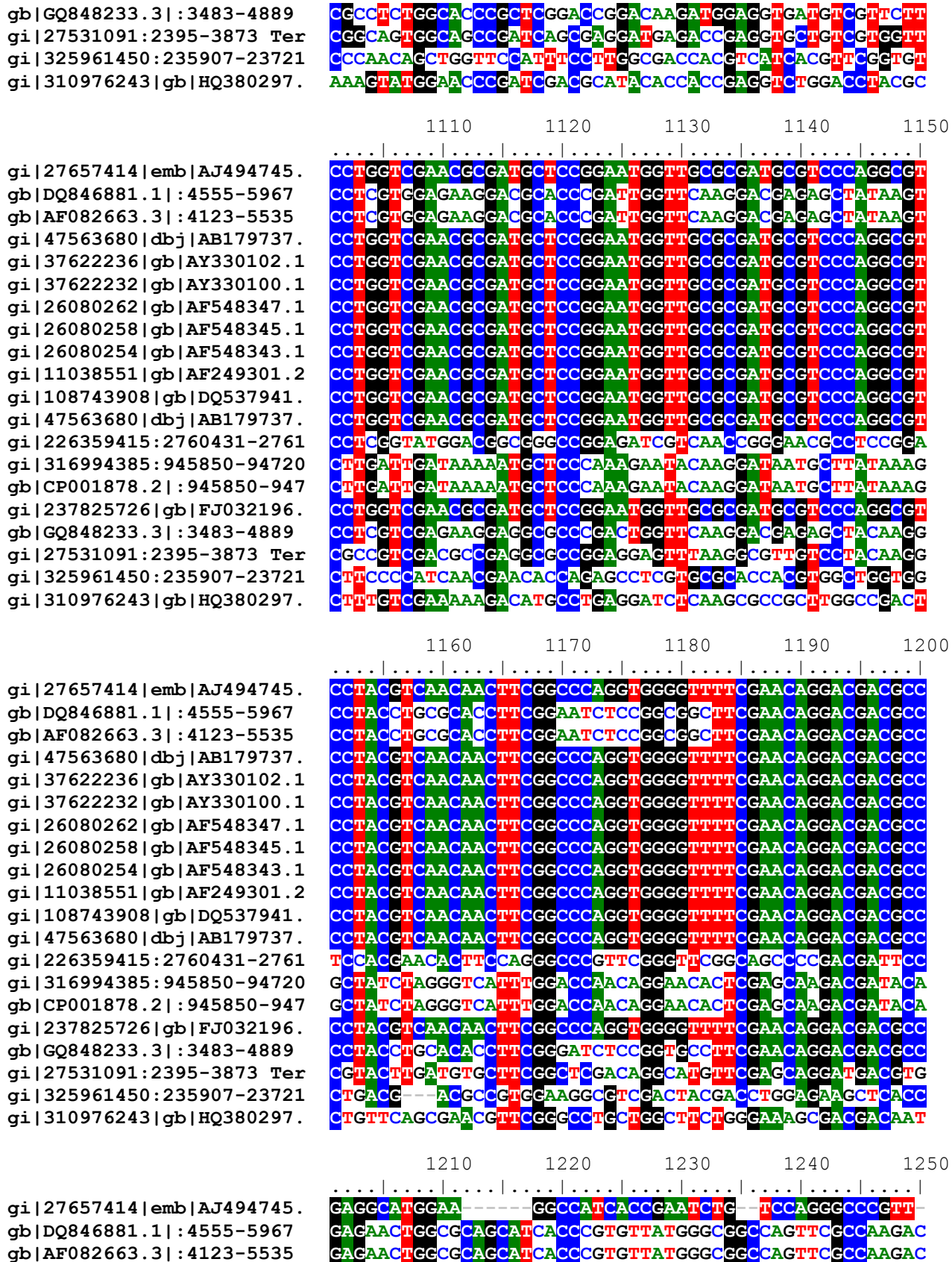
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gi|37622232|gb|AY330100.1 CGGGTATGGCATCCGCTCTCCCATGATCGGATGGAGATCCTCTCCTGGTT
gi|26080262|gb|AF548347.1 CGGGTATGGCATCCGCTCTCCCATGATCGGATGGAGATCCTCTCCTGGTT
gi|26080258|gb|AF548345.1 CGGGTATGGCATCCGCTCTCCCATGATCGGATGGAGATCCTCTCCTGGTT
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gi|27531091:2395-3873 Ter GAGAACTGGGTC TCTCTG ACCAACACCG CGGCCGGCTCCAT TGGCCCCCG
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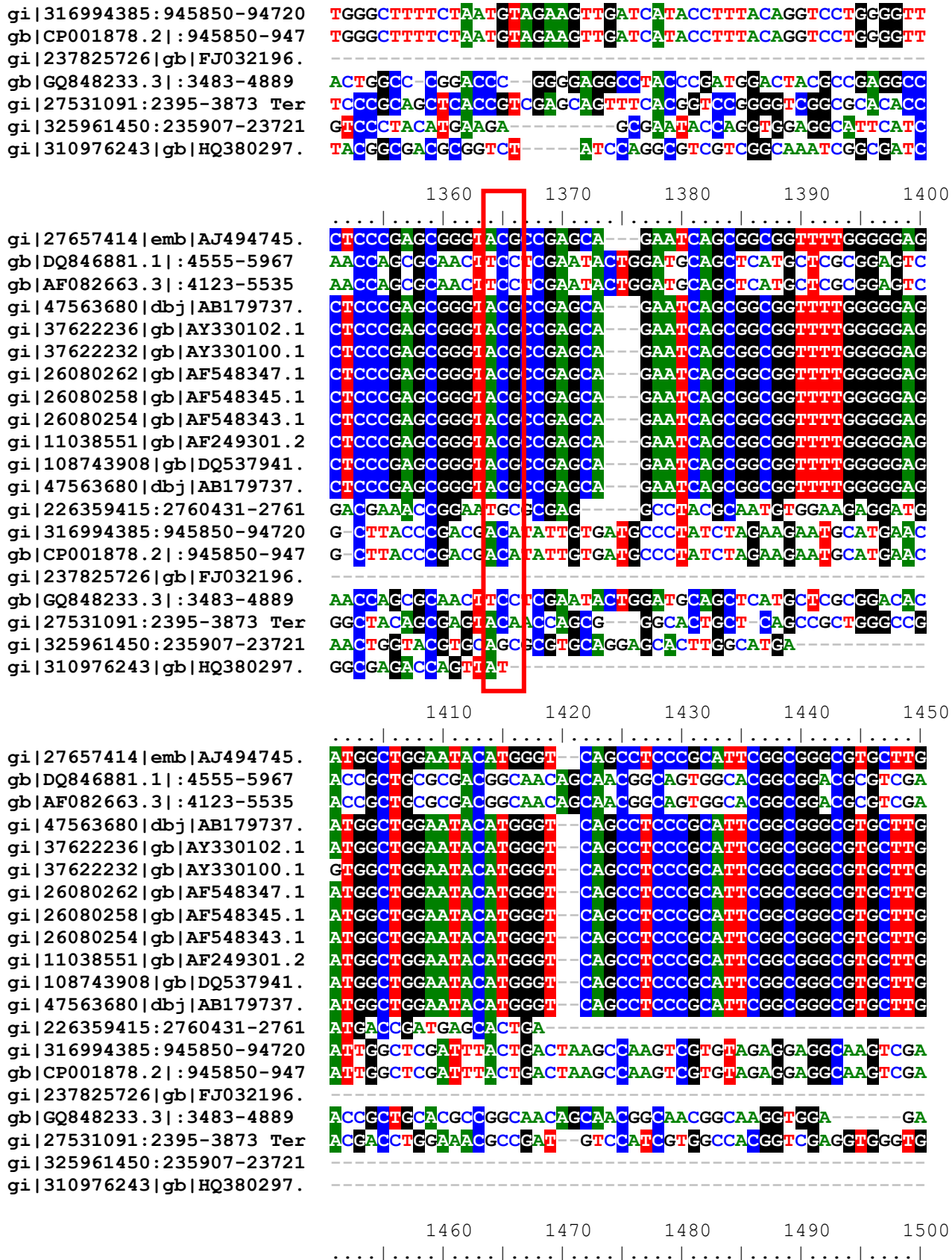
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gi|47563680|dbj|AB179737. --- CGCCGGTGAA GGCCCTGCTGAACTAC --- GAAATGGGCATGGACTTGA
gi|37622236|gb|AY330102.1 --- CGCCGGTGAA GGCCCTGCTGAACTAC --- GAAATGGGCATGGACTTGA
gi|37622232|gb|AY330100.1 --- CGCCGGTGAA GGCCCTGCTGAACTAC --- GAAATGGGCATGGACTTGA
gi|26080262|gb|AF548347.1 --- CGCCGGTGAA GGCCCTGCTGAACTAC --- GAAATGGGCATGGACTTGA
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gb|CP001878.2|:945850-947 --- TGATCGCAACAAAGAATTAAATTAATAATATGTTAGTAATTATTTAA
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gi|27531091:2395-3873 Ter ACTGCCGTTGAACAGCCGCATGGGCATCCTTCAGGACGACACTGAGGTGA
gi|325961450:235907-23721 AACTCTGCCAGC --- AGGGTGCCGG --- CAGCCCCGCTACGAGCCTG
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gi|47563680|dbj|AB179737. CTCCGC --- TCACCG --- ACTGGCCAGGGCCGGGAGAGGCC
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gi|47563680|dbj|AB179737. A
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gi|37622232|gb|AY330100.1 A
gi|26080262|gb|AF548347.1 A
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gi|26080254|gb|AF548343.1 A
gi|11038551|gb|AF249301.2 A
gi|108743908|gb|DQ537941. A
gi|47563680|dbj|AB179737. A
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gi|316994385:945850-94720 TGA
gb|CP001878.2|:945850-947 TGA
gi|237825726|gb|FJ032196.
gb|GQ848233.3|:3483-4889 CATCGGCGCGGCCTCCCCAAGACCCCAGCGAAAAGCGGAGGCGTAGATG
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1510

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gi|26080262|gb|AF548347.1
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