

Mon Feb 03, 2014 13:04 -0500

synthetic wt P99.txt.xdna from 1 to 1185

Alignment to

P99-Y241A-A-CJ13.seq-- Matches:571; Mismatches:21; Gaps:1022; Unattempted:0

P99-Y241G-A-CJ13.seq-- Matches:569; Mismatches:20; Gaps:1011; Unattempted:0

P99-Y241W-A-CJ13.seq-- Matches:570; Mismatches:20; Gaps:981; Unattempted:0

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* * * * *
1>ATGATCGGTAAATCTCTTTGTTGTGCATTACTCTTAGGTATCTCTTGTTCAGCATTAGCCACGCCCGTCTCAGAAAAACAATTAGCCGAAGTTGTAGCAA>100
0>----->0
0>----->0
0>----->0

* * * * *
101>ACACCATCACCCCTTAATGAAAGCCCAATCCGTACCAGGCATGGCCGTCCGACTCATTATCAAGGCAAAACCCATTATTATACTTTTGGCAAAGCAGA>200
0>----->0
0>----->0
0>----->0

* * * * *
201>TATCGCAGCTAATAAACCTGTCACTCCGCAACGTTGTTGAACTGGTCTATCTCAAAAACTTCACTGGTGTACTGGGTGGAGATGCAATCGCGCT>300
0>----->0
0>----->0
0>----->0

* * * * *
301>GGTGAATCTCAC'TGGATGATGCAGTTACCCGCTACTGGCTCAACTGACTGGAAAACAATGGCAAGGCATCCGCATGTTAGATCTCGCAACCTATACCG>400
0>----->0
0>----->0
0>----->0

* * * * *
401>CCGGTGGTCTCCCGTTACAAGTTCCCGATCAAGTTACAGATAAATGCGTCTTATTACGTTTTTACCAGAATTGGCAACACAGTGGAAACCCGGTACAAC>500
0>----->0
0>----->0
0>----->0

* * * * *
501>TCGTTTATACGCCAACCCCTCAATCGGCTTTTCGGAGCTCTCGCAGTCAAACCTAGTGGCATGCCATACGAAACAAGCCATGACAACCCGCGTACTCAA>600
1>-----~NNNNNN~7
1>-----~NNNN~4
1>-----~NNNN~5

* * * * *
601>CCCTAAAAATTAGATCACACTTGGATTAACGTCCCTAAAGCAGAAGAAGCCCACTATGCATGGGGTTACCGCGATGGAAAAGCGGTTCTGTGCAGCCCCG>700
8>NNNNNAAANNNNNATCACACTTGGANTAACGTCCCTAAAGCAGMAGAGCCCACTATGCATGGGGTTACCGCGATGGAAAAGCGGTTCTGTGCAGCCCCG>107
5>NNNNNNNNNNNNATCACACTTGGATTAACGTCCCTAAAGCAGAAGAAGCCCACTATGCATGGGGTTACCGCGATGGAAAAGCGGTTCTGTGCAGCCCCG>104
6>NNNNNNNNNNNNATCACACTTGGATTAACGTCCCTAAAGCAGAAGAAGCCCACTATGCATGGGGTTACCGCGATGGAAAAGCGGTTCTGTGCAGCCCCG>105

* * * * *
701>GAATGTTAGATGCTCAAGCCATGAGTAAACAAACGTACAAGATATGGCAAATGGGGTAAATGGCAAATATGGCCCCAGAAAACGTTGCAGATGCGTC>800
108>GAATGTTAGATGCTCAAGCCCGGAGTAAACAAACGTACAAGATATGGCAAATGGGGTAAATGGCAAATATGGCCCCAGAAAACGTTGCAGATGCGTC>207
105>GAATGTTAGATGCTCAAGCCCTGCACTTAAACAAACGTACAAGATATGGCAAATGGGGTAAATGGCAAATATGGCCCCAGAAAACGTTGCAGATGCGTC>204
106>GAATGTTAGATGCTCAAGCCGAGTAAACAAACGTACAAGATATGGCAAATGGGGTAAATGGCAAATATGGCCCCAGAAAACGTTGCAGATGCGTC>205

* * * * *
801>TTTAAAAACAAGGTTATTCACATCGCACAGTACCGCTACTGGCGCATGGGCTCTATGTATCAAGGTCTCGGTGGGAAATGTTGAACCTGGCCGGTCAAGCT>900
208>TTTAAAAACAAGGTTATTCACATCGCACAGTACCGCTACTGGCGCATGGGCTCTATGTATCAAGGTCTCGGTGGGAAATGTTGAACCTGGCCGGTCAAGCT>307
205>TTTAAAAACAAGGTTATTCACATCGCACAGTACCGCTACTGGCGCATGGGCTCTATGTATCAAGGTCTCGGTGGGAAATGTTGAACCTGGCCGGTCAAGCT>304
206>TTTAAAAACAAGGTTATTCACATCGCACAGTACCGCTACTGGCGCATGGGCTCTATGTATCAAGGTCTCGGTGGGAAATGTTGAACCTGGCCGGTCAAGCT>305

* * * * *
901>AACACAGTAGTAGAAGGTAGCGATTGAAAGTGGCATTAGCTCCCTTACCCGTAGCAGAAGTCAATCCCCCGGCTCCTCTGTCAAGCATCCTGGGTT>1000
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WT  
Y241A  
Y241G  
Y241W



308>AACACAGTAGTAGAAGGTAGCGATTGAAAGTGGCATTAGCTCCCTTACCCGTAGCAGAAGTCAATCCCCGGCTCCTCCTGTCAAAGCATCCTGGGTTCC>407  
305>AACACAGTAGTAGAAGGTAGCGATTGAAAGTGGCATTAGCTCCCTTACCCGTAGCAGAAGTCAATCCCCGGCTCCTCCTGTCAAAGCATCCTGGGTTCC>404  
306>AACACAGTAGTAGAAGGTAGCGATTGAAAGTGGCATTAGCTCCCTTACCCGTAGCAGAAGTCAATCCCCGGCTCCTCCTGTCAAAGCATCCTGGGTTCC>405

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1001>ATAAGACTGGCTCAACCGGTGGTTTCGGTTCCTATGTTGGGTTTATCCAGAAAAACAATGGTATTGTTATGCTTGCTAACACCTCTTATCCAAATCC>1100  
408>ATAAGACTGGCTCAACCGGTGGTTTCGGTTCCTATGTTGGGTTTATCCAGAAAAACAATGGTATTGTTATGCTTGCTAACACCTCTTATCCAAATCC>507  
405>ATAAGACTGGCTCAACCGGTGGTTTCGGTTCCTATGTTGGGTTTATCCAGAAAAACAATGGTATTGTTATGCTTGCTAACACCTCTTATCCAAATCC>504  
406>ATAAGACTGGCTCAACCGGTGGTTTCGGTTCCTATGTTGGGTTTATCCAGAAAAACAATGGTATTGTTATGCTTGCTAACACCTCTTATCCAAATCC>505

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1101>AGCTCGTGTAGAAGCGGCCTACCATATTTCTCGAAGCACTGCAAAAGCTTGGCGCCGCACTCGAGCACCACCACCACCACCCTGA~>1185  
508>AGCTCGTGTAGAAGCGGCCTACCATATTTCTCGAAGCACTGCAAAAGCTTGGCGCCGCACTCGAGCACCACCACCACCACCCTGAGATCCGGCTGCTAAC>607  
505>AGCTCGTGTAGAAGCGGCCTACCATATTTCTCGAAGCACTGCAAAAGCTTGGCGCCGCACTCGAGCACCACCACCACCACCCTGAGATCCGGCTGCTAAC>604  
506>AGCTCGTGTAGAAGCGGCCTACCATATTTCTCGAAGCACTGCAAAAGCTTGGCGCCGCACTCGAGCACCACCACCACCACCCTGAGATCCGGCTGCTAAC>605

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1185>~>1185  
608>AAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCCTCTAAACGGGCTTTGAGGGGTTTTTGTGTA>707  
605>AAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGNNGCCTCTAAACGGGCTTTGAGGGGTTTTTGTGTA>704  
606>AAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCCTCTAAACGGGCTTTGAGGGGTTTTTGTGTA>705

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1185>~>1185  
708>AAGGAGGAACATATATCCGGATTGGCGAATGGGACGCGCCCTGTAGCGGCGCATTAAGCGCGGCGGGTGTGGTGGTTACGGCGAGCGTGACCGCTACACTT>807  
705>AAGGAGGAACATATATCCGGATTGGCGAATGGGACGCGCCCTGTAGCGGCGCATTAAGCGCGGCGGGTGTGGTGGTTACGGCGAGCGTGACCGCTACACTT>804  
706>AAGGAGGAACATATATCCGGATTGGCGAATGGGACGCGCCCTGTAGCGGCGCATTAAGCGCGGCGGGTGTGGTGGNTACGGCGAGCGTGACCGCTACACTT>805

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1185>~>1185  
808>GCCAGCGCCCTAGCGCCCGCTCCTTTTCGCTTCTTCCCTCCTTTCGCGCAGCTTCGCGCGGCTTCCCGTCAAGCTCTAAATCGGGGCTCCCTTTAGG>907  
805>GCCAGCGCCCTAGCGCCCGCTCCTTTTCGCTTCTTCCCTCCTTTCGCGCAGCTTCGCGCGGCTTNCCTCGTAAATCGGGGCTNCCTTTAGGG>904  
806>GCCAGCGCCCTAGCGCCCGCTCCTTTTCGCTTCTTCCCTCCTTTCGCGCAGCTTCGCGCGGCTTNCCTCGTAAATCGGGGCTNCCTTTAGGN>905

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1185>~>1185  
908>GTNCNATTTAGTCTTTANNNTTCGACCCAAAAANTNNTAGGNGATGNNANGTNNNGNNTCNCNGNANNANGNTTTCNCCCTTGANGTNGNANTCC>1007  
905>NNCNANTTANNGCTTTANGCNCNCNNGNNAAACTGATNNNNANGNACGTTNNGNNTCNCNGANNANGTTTCNCCCTTGACGTNGNANTCNCNCTN>1004  
906>ATTTAGTCTTTACGGNNTCGACCCCAAAACTTGATNGGGANGGNTCNCNTNNGGNCATCNCCTN~>976

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1185>~>1185  
1008>NNNTTCTTANNAN>1021  
1004>~>1004  
976>~>976