

U51151.1
polished
unpolished

GCTTATCTGGTTGATCCTGCCAGTAGTCATACGCTCGTCTCAAAGATTAAGCCATGCATG
---AACCTGGTTGATCCTGCCAGTAGTCATACGCTCGTCTCAAAGATTAAGCCATGCATG
---AACCTGGTTGATCCTGCCAGTAGTCATACGCTCGTCTCAAAGATTAAGCCATGCATG
1.....10.....20.....30.....40.....50.....

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TGTAAGTGTAATATACTAGTTTGGAACTGCGAATGGCTCATTATATCAGTTATAGTTTA
TGTAAGTGTAATATACTAGTTTGGAACTGCGAATGGCTCATTATATCAGTTATAGTTTA
61.....70.....80.....90.....100.....110.....

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TTTGGTGAAGTGTAATACTTGGATAAACCGTAGTAATTCTAGGGCTAATACATGAGAAAGT
TTTGGTGAAGTGTAATACTTGGATAAACCGTAGTAATTCTAGGGCTAATACATGAGAAAGT
TTTGGTGAAGTGTAATACTTGGATAAACCGTAGTAATTCTAGGGCTAATACATGAGAAAGT
121.....130.....140.....150.....160.....170.....

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CCTCTGGTGAGGTGTGTTTATTAGAATGAAAACCATATGCTTCGGCATGATAGTGAGTAA
CCTCTGGTGAGGTGTGTTTATTAGAATGAAAACCATATGCTTCGGCATGATAGTGAGTAA
CCTCTGGTGAGGTGTGTTTATTAGAATGAAAACCATATGCTTCGGCATGATAGTGAGTAA
181.....190.....200.....210.....220.....230.....

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TAGTAACCTATCGTATCGCATGCTTAATGTAGCGATGAGTCTTTCAAGTTTCTGCCCTAT
TAGTAACCTATCGTATCGCATGCTTAATGTAGCGATGAGTCTTTCAAGTTTCTGCCCTAT
TAGTAACCTATCGTATCGCATGCTTAATGTAGCGATGAGTCTTTCAAGTTTCTGCCCTAT
241.....250.....260.....270.....280.....290.....

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CAGCTTTTCGATGGTAGTATATGGGCCTACCATGGCAGTAACGGGTAACGAAGAATTTGGG
CAGCTTTTCGATGGTAGTATATGGGCCTACCATGGCAGTAACGGGTAACGAAGAATTTGGG
CAGCTTTTCGATGGTAGTATATGGGCCTACCATGGCAGTAACGGGTAACGAAGAATTTGGG
301.....310.....320.....330.....340.....350.....

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TTCGATTTTCGGAGAGGGAGCCTGAGAGATGGCTACCACATCCAAGGAAGGCAGCAGGCGC
TTCGATTTTCGGAGAGGGAGCCTGAGAGATGGCTACCACATCCAAGGAAGGCAGCAGGCGC
TTCGATTTTCGGAGAGGGAGCCTGAGAGATGGCTACCACATCCAAGGAAGGCAGCAGGCGC
361.....370.....380.....390.....400.....410.....

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GTAAATTACCCAATCCTGACACAGGGAGGTAGTGACAATAAATCACAATGCGGGACTATC
GTAAATTACCCAATCCTGACACAGGGAGGTAGTGACAATAAATCACAATGCGGGACTATC
GTAAATTACCCAATCCTGACACAGGGAGGTAGTGACAATAAATCACAATGCGGGACTATC
421.....430.....440.....450.....460.....470.....

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AGTCTTGCAATTGGATTGAGAACAATGTACAACCTCTTATCGATAAGCCATTGGAGGGCAA
AGTCTTGCAATTGGATTGAGAACAATGTACAACCTCTTATCGATAAGCCATTGGAGGGCAA
AGTCTTGCAATTGGATTGAGAACAATGTACAACCTCTTATCGATAAGCCATTGGAGGGCAA
481.....490.....500.....510.....520.....530.....

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GTCTGGTGCCAGCAGCCGCGGTAATTCCAGCTCCAATAGCGTATATTAACGTTGTTGCAG
GTCTGGTGCCAGCAGCCGCGGTAATTCCAGCTCCAATAGCGTATATTAACGTTGTTGCAG
GTCTGGTGCCAGCAGCCGCGGTAATTCCAGCTCCAATAGCGTATATTAACGTTGTTGCAG
541.....550.....560.....570.....580.....590.....

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TTAAAAAGCTCGTAGTTGAAGTGTTGGGTGATCGCTGTTGTGAGACTTCGGTCTCTCGACA
TTAAAAAGCTCGTAGTTGAAGTGTTGGGTGATCGCTGTTGTGAGACTTCGGTCTCTCGACA
TTAAAAAGCTCGTAGTTGAAGTGTTGGGTGATCGCTGTTGTGAGACTTCGGTCTCTCGACA
601.....610.....620.....630.....640.....650.....

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unpolished

GTAAGTCAACCCCTTCCAGTATCCAGTAGTGGGTATTACAGTTACTTACTACTGTGTGTTG
GTAAGTCAACCCCTTCCAGTATCCAGTAGTGGGTATTACAGTTACTTACTACTGTGTGTTG
GTAAGTCAACCCCTTCCAGTATCCAGTAGTGGGTATTACAGTTACTTACTACTGTGTGTTG
661.....670.....680.....690.....700.....710.....

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unpolished

GTCCTTTACTGTGAGAAAATTAGAGTGTTCAAAGCAGGCGTTTGCTTGAATAGATTAGCA
GTCCTTTACTGTGAGAAAATTAGAGTGTTCAAAGCAGGCGTTTGCTTGAATAGATTAGCA
GTCCTTTACTGTGAGAAAATTAGAGTGTTCAAAGCAGGCGTTTGCTTGAATAGATTAGCA
721.....730.....740.....750.....760.....770.....

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unpolished

TGGAATAATAATTGAAGGCTTTCGTGTTTCGATTTGATTGGTTTGTTCATGGAAGCAAGGT
TGGAATAATAATTGAAGGCTTTCGTGTTTCGATTTGATTGGTTTGTTCATGGAAGCAAGGT
TGGAATAATAATTGAAGGCTTTCGTGTTTCGATTTGATTGGTTTGTTCATGGAAGCAAGGT
781.....790.....800.....810.....820.....830.....

U51151.1 polished unpolished	TAAAAGGAACAGTTGGGGGTATTTCATATTCCTAGTTAGAGGTGAAATTCTCGGATTTAT TAAAAGGAACAGTTGGGGGTATTTCATATTCCTAGTTAGAGGTGAAATTCTCGGATTTAT TAAAAGGAACAGTTGGGGGTATTTCATATTCCTAGTTAGAGGTGAAATTCTCGGATTTAT 841.....850.....860.....870.....880.....890.....
U51151.1 polished unpolished	GGAAGATGAACAAGTGC GAAAGCATTTACCAAGGATGTTTTTCATTAATCAAGAACGAAAG GGAAGATGAACAAGTGC GAAAGCATTTACCAAGGATGTTTTTCATTAATCAAGAACGAAAG GGAAGATGAACAAGTGC GAAAGCATTTACCAAGGATGTTTTTCATTAATCAAGAACGAAAG 901.....910.....920.....930.....940.....950.....
U51151.1 polished unpolished	CTAGGGGATCGAAGAGGATTAGATACCCTCGTAGTCTTAGCTATAAACGATACCGACTAG CTAGGGGATCGAAGAGGATTAGATACCCTCGTAGTCTTAGCTATAAACGATACCGACTAG CTAGGGGATCGAAGAGGATTAGATACCCTCGTAGTCTTAGCTATAAACGATACCGACTAG 961.....970.....980.....990.....1000.....1010.....
U51151.1 polished unpolished	GGGTTAGTAGAGGTCAAAGTGTCTTTATTAGTACCTTATGAGAAATCAAAGTCTTTGGGT GGGTTAGTAGAGGTCAAAGTGTCTTTATTAGTACCTTATGAGAAATCAAAGTCTTTGGGT GGGTTAGTAGAGGTCAAAGTGTCTTTATTAGTACCTTATGAGAAATCAAAGTCTTTGGGT 1021.....1030.....1040.....1050.....1060.....1070.....
U51151.1 polished unpolished	TCCGGGGGAGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACCACCA TCCGGGGGAGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACCACCA TCCGGGGGAGTATGGTCGCAAGGCTGAAACTTAAAGGAATTGACGGAAGGGCACCACCA 1081.....1090.....1100.....1110.....1120.....1130.....
U51151.1 polished unpolished	GGAGTGGAGCCTGCGGCTTAATTTGACTCAACACGGGGAACTTACCAGGTCCAGACATA GGAGTGGAGCCTGCGGCTTAATTTGACTCAACACGGGGAACTTACCAGGTCCAGACATA GGAGTGGAGCCTGCGGCTTAATTTGACTCAACACGGGGAACTTACCAGGTCCAGACATA 1141.....1150.....1160.....1170.....1180.....1190.....
U51151.1 polished unpolished	GGAAGGATTGACAGATTGATAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTT GGAAGGATTGACAGATTGATAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTT GGAAGGATTGACAGATTGATAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTT 1201.....1210.....1220.....1230.....1240.....1250.....
U51151.1 polished unpolished	CTTAGTTGGTGGAGTGATTTGTCTGGCTAATTCCGATAACGAACGAGACCTCCGCCTTTA CTTAGTTGGTGGAGTGATTTGTCTGGCTAATTCCGATAACGAACGAGACCTCCGCCTTTA CTTAGTTGGTGGAGTGATTTGTCTGGCTAATTCCGATAACGAACGAGACCTCCGCCTTTA 1261.....1270.....1280.....1290.....1300.....1310.....
U51151.1 polished unpolished	ACTAGTGACGTGTATTGTGATATGCGTTGCTTCTTATAGGGACACTATATGTAAAATGTA ACTAGTGACGTGTATTGTGATATGCGTTGCTTCTTATAGGGACACTATATGTAAAATGTA ACTAGTGACGTGTATTGTGATATGCGTTGCTTCTTATAGGGACACTATATGTAAAATGTA 1321.....1330.....1340.....1350.....1360.....1370.....
U51151.1 polished unpolished	GGGAAGCTGGAGGCAATAACAGGTCTGTGATGCCCTTAGATGTTCTGGGCTGCACGCGCG GGGAAGCTGGAGGCAATAACAGGTCTGTGATGCCCTTAGATGTTCTGGGCTGCACGCGCG GGGAAGCTGGAGGCAATAACAGGTCTGTGATGCCCTTAGATGTTCTGGGCTGCACGCGCG 1381.....1390.....1400.....1410.....1420.....1430.....
U51151.1 polished unpolished	CGACACTGATCTATTCAACGAGTGGCTGGGTCGAGAGACTTGGCAAATCTTGTGAAAGTA CGACACTGATCTATTCAACGAGTGGCTGGGTCGAGAGACTTGGCAAATCTTGTGAAAGTA CGACACTGATCTATTCAACGAGTGGCTGGGTCGAGAGACTTGGCAAATCTTGTGAAAGTA 1441.....1450.....1460.....1470.....1480.....1490.....
U51151.1 polished unpolished	GATCGTGATGGGGATTGATGCTTGTAATTGTTTCATCATGAACGAGGAATTCCTAGTAAAC GATCGTGATGGGGATTGATGCTTGTAATTGTTTCATCATGAACGAGGAATTCCTAGTAAAC GATCGTGATGGGGATTGATGCTTGTAATTGTTTCATCATGAACGAGGAATTCCTAGTAAAC 1501.....1510.....1520.....1530.....1540.....1550.....
U51151.1 polished unpolished	GCAAGTCATCAACTTGCATTGATTACGTCCCTGCCCTTTGTACACACCGCCCGTCGCACC GCAAGTCATCAACTTGCATTGATTACGTCCCTGCCCTTTGTACACACCGCCCGTCGCACC GCAAGTCATCAACTTGCATTGATTACGTCCCTGCCCTTTGTACACACCGCCCGTCGCACC 1561.....1570.....1580.....1590.....1600.....1610.....
U51151.1 polished unpolished	TACCGATTGAATGGTCCGGTGAACACTTTGGATTTGAGATTGGTTGTCTGTAAAGGATG TACCGATTGAATGGTCCGGTGAACACTTTGGATTTGAGATTGGTTGTCTGTAAAGGATG TACCGATTGAATGGTCCGGTGAACACTTTGGATTTGAGATTGGTTGTCTGTAAAGGATG 1621.....1630.....1640.....1650.....1660.....1670.....

U51151.1 GTTAATCTGGGAGAAGTCGTGTAAATCTTATCATTTAGAGGAAGGTGAAGTCGTAACAAG
polished GTTAATCTGGGAGAAGTCGTGTAAATCTTATCATTTAGAGGAAGGTGAAGTCGTAACAAG
unpolished GTTAATCTGGGAGAAGTCGTGTAAATCTTATCATTTAGAGGAAGGTGAAGTCGTAACAAG
1681.....1690.....1700.....1710.....1720.....1730.....

U51151.1 GTTTCCGTAGGTGAACCTGCGGAAGGATCA-----
polished GTTTCCGTAGGTGAACCTGCGGAAGGATCA-----
unpolished GTTTCCGTAGGTGAACCTGCGGAAGGATCACCTGCAGGTGAAACCTTGTTTTGACTTCAC
1741.....1750.....1760.....1770.....1780.....1790.....

U51151.1 -----
polished -----
unpolished CTTCTCTAAATGATAAGATTACACGACTTCTCCAGATTAACCATCCTTTACAGACAA
1801.....1810.....1820.....1830.....1840.....1850.....

U51151.1 -----
polished -----
unpolished CCAATCTCAAATCAAAGTGTTACCCGGACCATTCAATCGGCAGGTGCGACGAGCGGTGTG
1861.....1870.....1880.....1890.....1900.....1910.....

U51151.1 -----
polished -----
unpolished TACAAAGGGCAGGGACGTAATCAATGCAAGTTGATGACTTGCGTTTACTA
1921.....1930.....1940.....1950.....1960.....