Appendix A: Database Fingerprint Image Samples

Figure A.1: Fingerprint file **f0001_01.pct** from *NIST Special Database 4.*
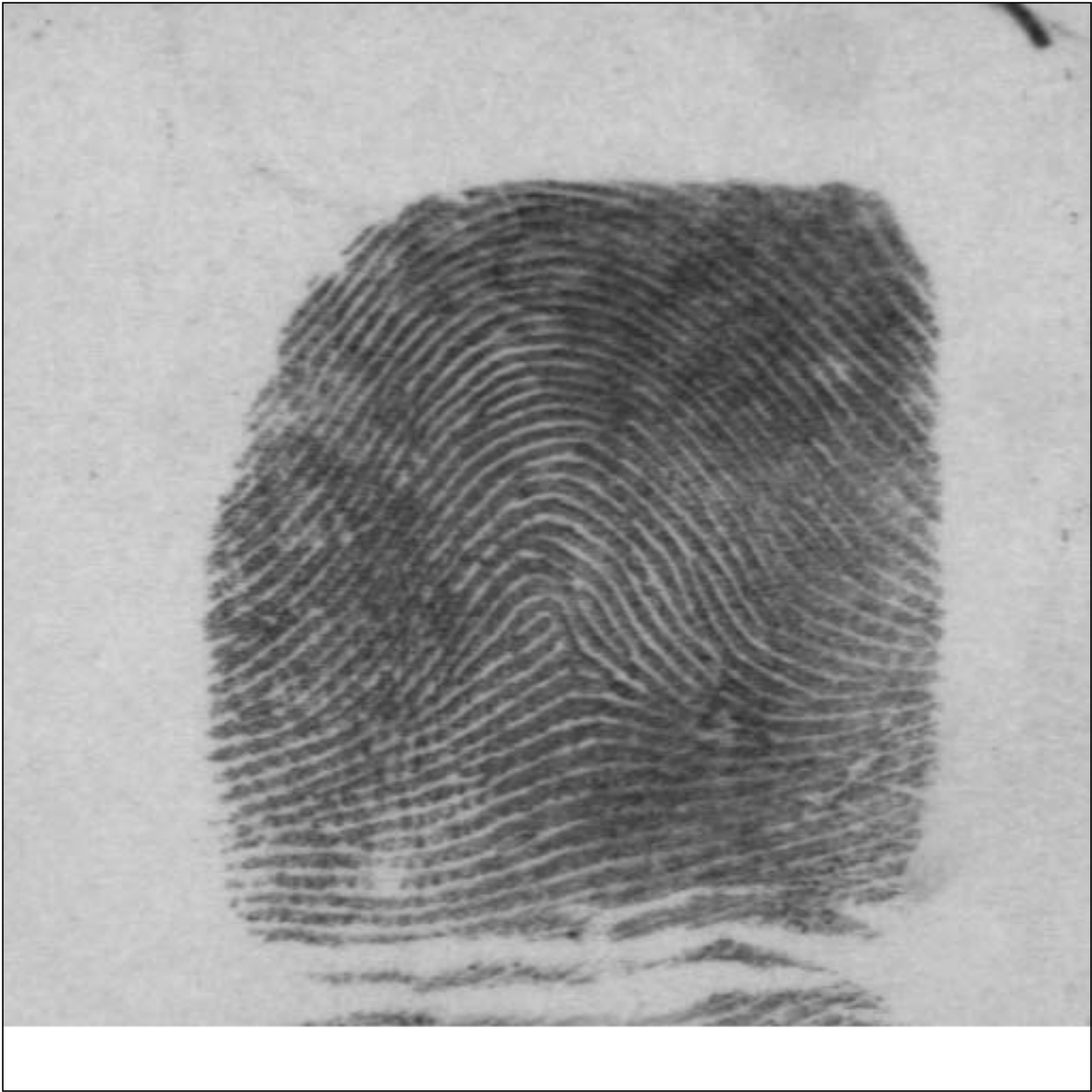
Figure A.2: Fingerprint file **f0008_10.pct** from *NIST Special Database 4.*

Appendix B: Database Reflectance and Resolution Calibration

Database Resolution Calibration

The resolution of the scanner used to create the database was calibrated using a NBS 1010A resolution chart[1]. A portion of this image is shown below (Figure B.2) after being magnified for viewing (Note: Printing has reduced the overall quality of this image.). The scan of the table showed that the vertical resolution was approximately 8.0 line pairs/mm and the horizontal resolution was approximately 6.3 line pairs/mm.
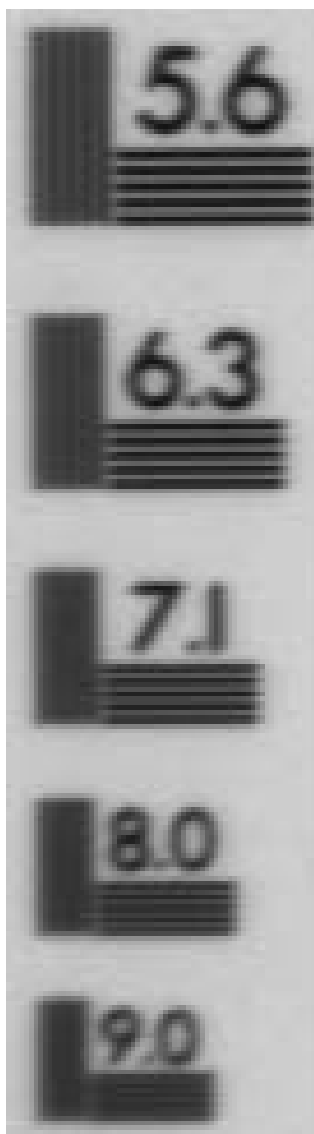

Figure B.2: Scan of Resolution Calibration Table.

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1. National Bureau of Standards, Microcopy Resolution Test Chart, Standard Reference Material 1010a, ANSI and ISO test chart No. 2.

Appendix C: Chart of Referenced Fingerprints

f0008_10.pct (crid) = L :: s0008_10.pct (crid) = L
f0026_03.pct (crid) = R :: s0026_03.pct (crid) = R
f0028_08.pct (crid) = L :: s0028_08.pct (crid) = L
f0036_04.pct (crid) = R :: s0036_04.pct (crid) = R
f0038_02.pct (crid) = L :: s0038_02.pct (crid) = L
f0039_03.pct (crid) = R :: s0039_03.pct (crid) = R
f0047_01.pct (crid) = A :: s0047_01.pct (crid) = A
f0049_03.pct (crid) = R :: s0049_03.pct (crid) = R
f0050_01.pct (crid) = A :: s0050_01.pct (crid) = A
f0053_04.pct (crid) = R :: s0053_04.pct (crid) = R
f0054_03.pct (crid) = R :: s0054_03.pct (crid) = R
f0070_10.pct (crid) = T :: s0070_10.pct (crid) = T
f0073_07.pct (crid) = L :: s0073_07.pct (crid) = L
f0076_07.pct (crid) = R :: s0076_07.pct (crid) = R
f0087_03.pct (crid) = A :: s0087_03.pct (crid) = A
f0091_10.pct (crid) = T :: s0091_10.pct (crid) = T
f0103_10.pct (crid) = T :: s0103_10.pct (crid) = T
f0105_03.pct (crid) = R :: s0105_03.pct (crid) = R
f0108_03.pct (crid) = R :: s0108_03.pct (crid) = R
f0110_08.pct (crid) = T :: s0110_08.pct (crid) = T
f0112_02.pct (crid) = R :: s0112_02.pct (crid) = R
f0123_06.pct (crid) = T :: s0123_06.pct (crid) = T
f0126_10.pct (crid) = A :: s0126_10.pct (crid) = A
f0127_04.pct (crid) = R :: s0127_04.pct (crid) = R
f0132_07.pct (crid) = L :: s0132_07.pct (crid) = L
f0134_03.pct (crid) = R :: s0134_03.pct (crid) = R
f0140_08.pct (crid) = A :: s0140_08.pct (crid) = A
f0146_08.pct (crid) = L :: s0146_08.pct (crid) = L
f0154_08.pct (crid) = T :: s0154_08.pct (crid) = T
f0160_08.pct (crid) = A :: s0160_08.pct (crid) = A
f0163_03.pct (crid) = R :: s0163_03.pct (crid) = R
f0171_08.pct (crid) = T :: s0171_08.pct (crid) = T
f0172_08.pct (crid) = R :: s0172_08.pct (crid) = R
f0177_02.pct (crid) = R :: s0177_02.pct (crid) = R
f0178_02.pct (crid) = A :: s0178_02.pct (crid) = A
f0186_04.pct (crid) = A :: s0186_04.pct (crid) = A
f0187_08.pct (crid) = L :: s0187_08.pct (crid) = L
f0195_07.pct (crid) = L :: s0195_07.pct (crid) = L
f0207_05.pct (crid) = T :: s0207_05.pct (crid) = T
f0208_03.pct (crid) = A :: s0208_03.pct (crid) = A
f0210_09.pct (crid) = T :: s0210_09.pct (crid) = T
f0212_04.pct (crid) = T :: s0212_04.pct (crid) = T
f0217_02.pct (crid) = R :: s0217_02.pct (crid) = R
f0225_10.pct (crid) = L :: s0225_10.pct (crid) = L
f0229_08.pct (crid) = A :: s0229_08.pct (crid) = A
f0233_08.pct (crid) = L :: s0233_08.pct (crid) = L

f0241_04.pct (crid) = T :: s0241_04.pct (crid) = T
f0243_08.pct (crid) = A :: s0243_08.pct (crid) = A
f0246_02.pct (crid) = R :: s0246_02.pct (crid) = R
f0259_10.pct (crid) = T :: s0259_10.pct (crid) = T
f0260_02.pct (crid) = L :: s0260_02.pct (crid) = L
f0267_07.pct (crid) = T :: s0267_07.pct (crid) = T
f0268_09.pct (crid) = T :: s0268_09.pct (crid) = T
f0280_02.pct (crid) = R :: s0280_02.pct (crid) = R
f0282_03.pct (crid) = A :: s0282_03.pct (crid) = A
f0283_02.pct (crid) = A :: s0283_02.pct (crid) = A
f0295_07.pct (crid) = L :: s0295_07.pct (crid) = L
f0300_08.pct (crid) = A :: s0300_08.pct (crid) = A
f0303_03.pct (crid) = R :: s0303_03.pct (crid) = R
f0304_08.pct (crid) = A :: s0304_08.pct (crid) = A
f0314_04.pct (crid) = T :: s0314_04.pct (crid) = T
f0316_03.pct (crid) = R :: s0316_03.pct (crid) = R
f0317_05.pct (crid) = T :: s0317_05.pct (crid) = T
f0321_05.pct (crid) = A :: s0321_05.pct (crid) = A
f0344_06.pct (crid) = A :: s0344_06.pct (crid) = A
f0347_02.pct (crid) = L :: s0347_02.pct (crid) = L
f0348_08.pct (crid) = T :: s0348_08.pct (crid) = T
f0349_09.pct (crid) = T :: s0349_09.pct (crid) = T
f0351_08.pct (crid) = L :: s0351_08.pct (crid) = L
f0353_03.pct (crid) = R :: s0353_03.pct (crid) = R
f0355_08.pct (crid) = A :: s0355_08.pct (crid) = A
f0371_05.pct (crid) = R :: s0371_05.pct (crid) = R
f0386_02.pct (crid) = R :: s0386_02.pct (crid) = R
f0394_07.pct (crid) = A :: s0394_07.pct (crid) = A
f0400_02.pct (crid) = R :: s0400_02.pct (crid) = R
f0403_07.pct (crid) = A :: s0403_07.pct (crid) = A
f0406_04.pct (crid) = A :: s0406_04.pct (crid) = A
f0419_08.pct (crid) = L :: s0419_08.pct (crid) = L
f0423_02.pct (crid) = R :: s0423_02.pct (crid) = R
f0424_03.pct (crid) = R :: s0424_03.pct (crid) = R
f0429_04.pct (crid) = T :: s0429_04.pct (crid) = T
f0435_10.pct (crid) = A :: s0435_10.pct (crid) = A
f0456_06.pct (crid) = L :: s0456_06.pct (crid) = L
f0461_03.pct (crid) = R :: s0461_03.pct (crid) = R
f0466_10.pct (crid) = L :: s0466_10.pct (crid) = L
f0469_07.pct (crid) = A :: s0469_07.pct (crid) = A
f0486_10.pct (crid) = L :: s0486_10.pct (crid) = L
f0500_02.pct (crid) = T :: s0500_02.pct (crid) = T
f0509_07.pct (crid) = T :: s0509_07.pct (crid) = T
f0510_07.pct (crid) = L :: s0510_07.pct (crid) = L
f0513_07.pct (crid) = L :: s0513_07.pct (crid) = L
f0516_02.pct (crid) = R :: s0516_02.pct (crid) = R

f0537_09.pct (crid) = L :: s0537_09.pct (crid) = L
f0539_02.pct (crid) = R :: s0539_02.pct (crid) = R
f0540_08.pct (crid) = T :: s0540_08.pct (crid) = T
f0550_02.pct (crid) = R :: s0550_02.pct (crid) = R
f0551_08.pct (crid) = R :: s0551_08.pct (crid) = R
f0559_09.pct (crid) = T :: s0559_09.pct (crid) = T
f0560_08.pct (crid) = A :: s0560_08.pct (crid) = A
f0561_08.pct (crid) = A :: s0561_08.pct (crid) = A
f0568_07.pct (crid) = A :: s0568_07.pct (crid) = A
f0571_02.pct (crid) = A :: s0571_02.pct (crid) = A
f0574_09.pct (crid) = R :: s0574_09.pct (crid) = R
f0581_04.pct (crid) = R :: s0581_04.pct (crid) = R
f0586_02.pct (crid) = T :: s0586_02.pct (crid) = T
f0595_08.pct (crid) = A :: s0595_08.pct (crid) = A
f0598_08.pct (crid) = A :: s0598_08.pct (crid) = A
f0610_04.pct (crid) = R :: s0610_04.pct (crid) = R
f0616_08.pct (crid) = L :: s0616_08.pct (crid) = L
f0617_01.pct (crid) = A :: s0617_01.pct (crid) = A
f0624_03.pct (crid) = A :: s0624_03.pct (crid) = A
f0646_09.pct (crid) = T :: s0646_09.pct (crid) = T
f0659_10.pct (crid) = L :: s0659_10.pct (crid) = L
f0660_02.pct (crid) = R :: s0660_02.pct (crid) = R
f0664_03.pct (crid) = T :: s0664_03.pct (crid) = T
f0668_02.pct (crid) = R :: s0668_02.pct (crid) = R
f0674_04.pct (crid) = R :: s0674_04.pct (crid) = R
f0676_02.pct (crid) = R :: s0676_02.pct (crid) = R
f0684_02.pct (crid) = R :: s0684_02.pct (crid) = R
f0692_02.pct (crid) = L :: s0692_02.pct (crid) = L
f0693_03.pct (crid) = A :: s0693_03.pct (crid) = A
f0697_07.pct (crid) = L :: s0697_07.pct (crid) = L
f0698_08.pct (crid) = R :: s0698_08.pct (crid) = R
f0702_08.pct (crid) = L :: s0702_08.pct (crid) = L
f0703_02.pct (crid) = A :: s0703_02.pct (crid) = A
f0708_03.pct (crid) = R :: s0708_03.pct (crid) = R
f0713_03.pct (crid) = T :: s0713_03.pct (crid) = T
f0721_03.pct (crid) = R :: s0721_03.pct (crid) = R
f0727_07.pct (crid) = L :: s0727_07.pct (crid) = L
f0728_09.pct (crid) = A :: s0728_09.pct (crid) = A
f0731_02.pct (crid) = R :: s0731_02.pct (crid) = R
f0733_08.pct (crid) = L :: s0733_08.pct (crid) = L
f0741_03.pct (crid) = A :: s0741_03.pct (crid) = A
f0742_07.pct (crid) = L :: s0742_07.pct (crid) = L
f0743_07.pct (crid) = R :: s0743_07.pct (crid) = R
f0744_08.pct (crid) = R :: s0744_08.pct (crid) = R
f0746_10.pct (crid) = L :: s0746_10.pct (crid) = L
f0757_10.pct (crid) = T :: s0757_10.pct (crid) = T

f0758_07.pct (crid) = A :: s0758_07.pct (crid) = A
f0760_06.pct (crid) = L :: s0760_06.pct (crid) = L
f0765_07.pct (crid) = R :: s0765_07.pct (crid) = R
f0769_04.pct (crid) = T :: s0769_04.pct (crid) = T
f0771_03.pct (crid) = R :: s0771_03.pct (crid) = R
f0780_05.pct (crid) = R :: s0780_05.pct (crid) = R
f0781_02.pct (crid) = T :: s0781_02.pct (crid) = T
f0796_08.pct (crid) = A :: s0796_08.pct (crid) = A
f0804_03.pct (crid) = A :: s0804_03.pct (crid) = A
f0806_04.pct (crid) = T :: s0806_04.pct (crid) = T
f0844_03.pct (crid) = R :: s0844_03.pct (crid) = R
f0850_07.pct (crid) = A :: s0850_07.pct (crid) = A
f0856_02.pct (crid) = R :: s0856_02.pct (crid) = R
f0862_08.pct (crid) = L :: s0862_08.pct (crid) = L
f0864_05.pct (crid) = R :: s0864_05.pct (crid) = R
f0868_07.pct (crid) = R :: s0868_07.pct (crid) = R
f0877_02.pct (crid) = T :: s0877_02.pct (crid) = T
f0884_03.pct (crid) = R :: s0884_03.pct (crid) = R
f0891_07.pct (crid) = L :: s0891_07.pct (crid) = L
f0894_06.pct (crid) = A :: s0894_06.pct (crid) = A
f0897_08.pct (crid) = R :: s0897_08.pct (crid) = R
f0905_03.pct (crid) = R :: s0905_03.pct (crid) = R
f0909_07.pct (crid) = L :: s0909_07.pct (crid) = L
f0910_07.pct (crid) = R :: s0910_07.pct (crid) = R
f0916_09.pct (crid) = T :: s0916_09.pct (crid) = T
f0922_07.pct (crid) = L :: s0922_07.pct (crid) = L
f0934_10.pct (crid) = W :: s0934_10.pct (crid) = W
f0938_06.pct (crid) = T :: s0938_06.pct (crid) = T
f0941_02.pct (crid) = R :: s0941_02.pct (crid) = R
f0948_02.pct (crid) = T :: s0948_02.pct (crid) = T
f0950_02.pct (crid) = R :: s0950_02.pct (crid) = R
f0958_09.pct (crid) = L :: s0958_09.pct (crid) = L
f0959_07.pct (crid) = R :: s0959_07.pct (crid) = R
f0964_03.pct (crid) = R :: s0964_03.pct (crid) = R
f0983_03.pct (crid) = T :: s0983_03.pct (crid) = T
f0993_08.pct (crid) = A :: s0993_08.pct (crid) = A
f0994_04.pct (crid) = A :: s0994_04.pct (crid) = A
f0998_06.pct (crid) = T :: s0998_06.pct (crid) = T
f1000_07.pct (crid) = A :: s1000_07.pct (crid) = A
f1001_05.pct (crid) = R :: s1001_05.pct (crid) = R
f1003_04.pct (crid) = R :: s1003_04.pct (crid) = R
f1008_08.pct (crid) = A :: s1008_08.pct (crid) = A
f1010_02.pct (crid) = R :: s1010_02.pct (crid) = R
f1042_03.pct (crid) = R :: s1042_03.pct (crid) = R
f1045_04.pct (crid) = R :: s1045_04.pct (crid) = R
f1074_04.pct (crid) = R :: s1074_04.pct (crid) = R

f1082_08.pct (crid) = L :: s1082_08.pct (crid) = L
f1083_02.pct (crid) = A :: s1083_02.pct (crid) = A
f1087_02.pct (crid) = R :: s1087_02.pct (crid) = R
f1088_03.pct (crid) = R :: s1088_03.pct (crid) = R
f1095_09.pct (crid) = T :: s1095_09.pct (crid) = T
f1098_02.pct (crid) = R :: s1098_02.pct (crid) = R
f1099_05.pct (crid) = T :: s1099_05.pct (crid) = T
f1106_07.pct (crid) = A :: s1106_07.pct (crid) = A
f1115_03.pct (crid) = R :: s1115_03.pct (crid) = R
f1119_02.pct (crid) = R :: s1119_02.pct (crid) = R
f1123_08.pct (crid) = L :: s1123_08.pct (crid) = L
f1138_10.pct (crid) = T :: s1138_10.pct (crid) = T
f1143_03.pct (crid) = R :: s1143_03.pct (crid) = R
f1146_03.pct (crid) = R :: s1146_03.pct (crid) = R
f1149_09.pct (crid) = R :: s1149_09.pct (crid) = R
f1163_03.pct (crid) = L :: s1163_03.pct (crid) = L
f1174_07.pct (crid) = R :: s1174_07.pct (crid) = R
f1179_10.pct (crid) = L :: s1179_10.pct (crid) = L
f1181_10.pct (crid) = A :: s1181_10.pct (crid) = A
f1182_02.pct (crid) = A :: s1182_02.pct (crid) = A
f1185_03.pct (crid) = R :: s1185_03.pct (crid) = R
f1186_07.pct (crid) = L :: s1186_07.pct (crid) = L
f1190_04.pct (crid) = T :: s1190_04.pct (crid) = T
f1203_04.pct (crid) = R :: s1203_04.pct (crid) = R
f1206_02.pct (crid) = R :: s1206_02.pct (crid) = R
f1207_02.pct (crid) = R :: s1207_02.pct (crid) = R
f1214_02.pct (crid) = L :: s1214_02.pct (crid) = L
f1220_02.pct (crid) = R :: s1220_02.pct (crid) = R
f1228_02.pct (crid) = A :: s1228_02.pct (crid) = A
f1230_04.pct (crid) = T :: s1230_04.pct (crid) = T
f1232_09.pct (crid) = T :: s1232_09.pct (crid) = T
f1233_04.pct (crid) = W :: s1233_04.pct (crid) = W
f1234_08.pct (crid) = L :: s1234_08.pct (crid) = L
f1238_09.pct (crid) = T :: s1238_09.pct (crid) = T
f1240_03.pct (crid) = R :: s1240_03.pct (crid) = R
f1249_08.pct (crid) = L :: s1249_08.pct (crid) = L
f1255_07.pct (crid) = R :: s1255_07.pct (crid) = R
f1261_07.pct (crid) = A :: s1261_07.pct (crid) = A
f1268_02.pct (crid) = R :: s1268_02.pct (crid) = R
f1277_08.pct (crid) = T :: s1277_08.pct (crid) = T
f1292_07.pct (crid) = T :: s1292_07.pct (crid) = T
f1294_07.pct (crid) = L :: s1294_07.pct (crid) = L
f1300_08.pct (crid) = L :: s1300_08.pct (crid) = L
f1306_08.pct (crid) = L :: s1306_08.pct (crid) = L
f1316_09.pct (crid) = T :: s1316_09.pct (crid) = T
f1317_07.pct (crid) = L :: s1317_07.pct (crid) = L

f1323_03.pct (crid) = A :: s1323_03.pct (crid) = A
f1326_07.pct (crid) = A :: s1326_07.pct (crid) = A
f1330_03.pct (crid) = T :: s1330_03.pct (crid) = T
f1333_08.pct (crid) = L :: s1333_08.pct (crid) = L
f1335_08.pct (crid) = L :: s1335_08.pct (crid) = L
f1341_03.pct (crid) = R :: s1341_03.pct (crid) = R
f1360_02.pct (crid) = R :: s1360_02.pct (crid) = R
f1363_08.pct (crid) = R :: s1363_08.pct (crid) = R
f1366_06.pct (crid) = L :: s1366_06.pct (crid) = L
f1367_02.pct (crid) = R :: s1367_02.pct (crid) = R
f1371_08.pct (crid) = R :: s1371_08.pct (crid) = R
f1384_07.pct (crid) = R :: s1384_07.pct (crid) = R
f1395_02.pct (crid) = T :: s1395_02.pct (crid) = T
f1396_07.pct (crid) = L :: s1396_07.pct (crid) = L
f1399_06.pct (crid) = A :: s1399_06.pct (crid) = A
f1413_07.pct (crid) = R :: s1413_07.pct (crid) = R
f1433_07.pct (crid) = R :: s1433_07.pct (crid) = R
f1437_07.pct (crid) = L :: s1437_07.pct (crid) = L
f1442_07.pct (crid) = R :: s1442_07.pct (crid) = R
f1448_10.pct (crid) = T :: s1448_10.pct (crid) = T
f1449_07.pct (crid) = A :: s1449_07.pct (crid) = A
f1455_03.pct (crid) = R :: s1455_03.pct (crid) = R
f1472_08.pct (crid) = L :: s1472_08.pct (crid) = L
f1479_10.pct (crid) = A :: s1479_10.pct (crid) = A
f1484_02.pct (crid) = A :: s1484_02.pct (crid) = A
f1486_03.pct (crid) = R :: s1486_03.pct (crid) = R
f1498_03.pct (crid) = L :: s1498_03.pct (crid) = L
f1502_04.pct (crid) = R :: s1502_04.pct (crid) = R
f1508_10.pct (crid) = L :: s1508_10.pct (crid) = L
f1513_06.pct (crid) = L :: s1513_06.pct (crid) = L
f1514_01.pct (crid) = A :: s1514_01.pct (crid) = A
f1515_02.pct (crid) = A :: s1515_02.pct (crid) = A
f1518_02.pct (crid) = L :: s1518_02.pct (crid) = L
f1523_05.pct (crid) = W :: s1523_05.pct (crid) = W
f1524_08.pct (crid) = R :: s1524_08.pct (crid) = R
f1536_02.pct (crid) = L :: s1536_02.pct (crid) = L
f1543_03.pct (crid) = R :: s1543_03.pct (crid) = R
f1544_05.pct (crid) = R :: s1544_05.pct (crid) = R
f1553_08.pct (crid) = L :: s1553_08.pct (crid) = L
f1558_07.pct (crid) = R :: s1558_07.pct (crid) = R
f1560_02.pct (crid) = L :: s1560_02.pct (crid) = L
f1570_09.pct (crid) = T :: s1570_09.pct (crid) = T
f1575_08.pct (crid) = L :: s1575_08.pct (crid) = L
f1576_06.pct (crid) = L :: s1576_06.pct (crid) = L
f1584_03.pct (crid) = R :: s1584_03.pct (crid) = R
f1588_07.pct (crid) = R :: s1588_07.pct (crid) = R

f1592_02.pct (crid) = R :: s1592_02.pct (crid) = R
f1593_04.pct (crid) = T :: s1593_04.pct (crid) = T
f1599_04.pct (crid) = T :: s1599_04.pct (crid) = T
f1603_08.pct (crid) = A :: s1603_08.pct (crid) = A
f1606_03.pct (crid) = A :: s1606_03.pct (crid) = A
f1607_08.pct (crid) = A :: s1607_08.pct (crid) = A
f1629_08.pct (crid) = L :: s1629_08.pct (crid) = L
f1634_09.pct (crid) = L :: s1634_09.pct (crid) = L
f1635_02.pct (crid) = L :: s1635_02.pct (crid) = L
f1639_06.pct (crid) = A :: s1639_06.pct (crid) = A
f1663_08.pct (crid) = L :: s1663_08.pct (crid) = L
f1669_03.pct (crid) = R :: s1669_03.pct (crid) = R
f1674_02.pct (crid) = L :: s1674_02.pct (crid) = L
f1679_09.pct (crid) = T :: s1679_09.pct (crid) = T
f1682_05.pct (crid) = R :: s1682_05.pct (crid) = R
f1684_03.pct (crid) = T :: s1684_03.pct (crid) = T
f1689_08.pct (crid) = R :: s1689_08.pct (crid) = R
f1693_08.pct (crid) = L :: s1693_08.pct (crid) = L
f1699_07.pct (crid) = A :: s1699_07.pct (crid) = A
f1702_03.pct (crid) = R :: s1702_03.pct (crid) = R
f1719_02.pct (crid) = A :: s1719_02.pct (crid) = A
f1726_02.pct (crid) = R :: s1726_02.pct (crid) = R
f1729_02.pct (crid) = A :: s1729_02.pct (crid) = A
f1732_04.pct (crid) = R :: s1732_04.pct (crid) = R
f1733_02.pct (crid) = R :: s1733_02.pct (crid) = R
f1736_08.pct (crid) = L :: s1736_08.pct (crid) = L
f1740_07.pct (crid) = T :: s1740_07.pct (crid) = T
f1745_09.pct (crid) = L :: s1745_09.pct (crid) = L
f1748_02.pct (crid) = L :: s1748_02.pct (crid) = L
f1751_08.pct (crid) = A :: s1751_08.pct (crid) = A
f1759_09.pct (crid) = L :: s1759_09.pct (crid) = L
f1763_10.pct (crid) = T :: s1763_10.pct (crid) = T
f1766_08.pct (crid) = A :: s1766_08.pct (crid) = A
f1772_04.pct (crid) = R :: s1772_04.pct (crid) = R
f1773_07.pct (crid) = A :: s1773_07.pct (crid) = A
f1791_03.pct (crid) = R :: s1791_03.pct (crid) = R
f1793_07.pct (crid) = R :: s1793_07.pct (crid) = R
f1801_03.pct (crid) = A :: s1801_03.pct (crid) = A
f1809_08.pct (crid) = T :: s1809_08.pct (crid) = T
f1816_03.pct (crid) = R :: s1816_03.pct (crid) = R
f1817_07.pct (crid) = R :: s1817_07.pct (crid) = R
f1831_08.pct (crid) = L :: s1831_08.pct (crid) = L
f1834_02.pct (crid) = L :: s1834_02.pct (crid) = L
f1836_02.pct (crid) = L :: s1836_02.pct (crid) = L
f1843_10.pct (crid) = L :: s1843_10.pct (crid) = L
f1861_07.pct (crid) = R :: s1861_07.pct (crid) = R

f1862_09.pct (crid) = T :: s1862_09.pct (crid) = T
f1864_07.pct (crid) = A :: s1864_07.pct (crid) = A
f1868_02.pct (crid) = L :: s1868_02.pct (crid) = L
f1878_05.pct (crid) = R :: s1878_05.pct (crid) = R
f1879_02.pct (crid) = R :: s1879_02.pct (crid) = R
f1882_03.pct (crid) = R :: s1882_03.pct (crid) = R
f1885_03.pct (crid) = R :: s1885_03.pct (crid) = R
f1897_07.pct (crid) = L :: s1897_07.pct (crid) = L
f1905_08.pct (crid) = A :: s1905_08.pct (crid) = A
f1916_09.pct (crid) = A :: s1916_09.pct (crid) = A
f1925_03.pct (crid) = T :: s1925_03.pct (crid) = T
f1928_02.pct (crid) = L :: s1928_02.pct (crid) = L
f1931_01.pct (crid) = R :: s1931_01.pct (crid) = R
f1932_09.pct (crid) = T :: s1932_09.pct (crid) = T
f1934_07.pct (crid) = L :: s1934_07.pct (crid) = L
f1945_10.pct (crid) = L :: s1945_10.pct (crid) = L
f1947_07.pct (crid) = A :: s1947_07.pct (crid) = A
f1952_02.pct (crid) = A :: s1952_02.pct (crid) = A
f1953_03.pct (crid) = A :: s1953_03.pct (crid) = A
f1960_06.pct (crid) = T :: s1960_06.pct (crid) = T
f1966_07.pct (crid) = R :: s1966_07.pct (crid) = R
f1969_03.pct (crid) = T :: s1969_03.pct (crid) = T
f1971_04.pct (crid) = T :: s1971_04.pct (crid) = T
f1972_03.pct (crid) = R :: s1972_03.pct (crid) = R
f1975_02.pct (crid) = R :: s1975_02.pct (crid) = R
f1981_08.pct (crid) = T :: s1981_08.pct (crid) = T
f1984_08.pct (crid) = L :: s1984_08.pct (crid) = L
f2000_10.pct (crid) = L :: s2000_10.pct (crid) = L