

On-line Table 1: ADC histogram descriptive statistics for diffuse midline gliomas based on presence of the histone H3-K27M mutation^a

Histogram Parameter ^b	Overall	H3-K27M Mutant	Wild-Type	P Value
Mean	1222.99 (1106.14–1339.84)	1234.83 (1091.42–1378.24)	1177.61 (964.01–1391.2)	.69
Median	1225.34 (1102.25–1348.44)	1235.64 (1085.79–1385.49)	1185.85 (938.14–1433.56)	.74
Minimum	682.89 (626.45–739.34)	689.71 (621.31–758.11)	656.78 (540.99–772.56)	.64
Maximum	1901.42 (1699.76–2103.08)	1929.04 (1698.19–2159.89)	1795.55 (1217.93–2373.17)	.59
First percentile	797.97 (736.01–859.94)	810.23 (734.67–885.79)	750.98 (641.25–860.70)	.44
Fifth percentile	911.00 (831.37–990.64)	933.71 (836.27–1031.14)	823.98 (715.99–931.96)	.26
10th percentile	985.46 (890.68–1080.25)	1013.73 (897.21–1130.26)	877.1 (769.83–984.37)	.24
25th percentile	1098.1 (989.38–1206.81)	1124.89 (989.48–1260.32)	995.38 (890.59–1100.17)	.33
75th percentile	1343.78 (1208.23–1479.33)	1343.71 (1182.05–1505.37)	1344.03 (1018.43–1669.64)	.99
90th percentile	1456.43 (1313.59–1599.28)	1454.77 (1286.15–1623.39)	1462.82 (1098.23–1827.41)	.96
95th percentile	1530.02 (1381.88–1678.17)	1529.95 (1355.08–1704.83)	1530.28 (1152.10–1908.46)	.99
99th percentile	1667.74 (1506.56–1828.92)	1668.77 (1483.22–1854.31)	1663.8 (1199.92–2127.68)	.98
Variance	43349.1	37439.0	66004.6	.18
Skewness	0.15	0.17	0.07	.82
Kurtosis	4.28	4.71	2.67	.21

^a ADC values units are $10^{-6}\text{mm}^2/\text{s}$.

^b Data in parentheses are 95% CIs.

On-line Table 2: Histogram descriptive statistics for diffuse midline gliomas based on overall survival status at 12 months after biopsy^a

Histogram Parameter ^b	Overall	Alive at 12 Months	Not Alive at 12 Months	P Value
Mean	1312.25 (1146.65–1477.86)	1417.62 (1189.75–1645.48)	1119.09 (929.35–1308.83)	.07
Median	1313.79 (1135.58–1491.99)	1430.11 (1185.63–1674.58)	1100.53 (903.57–1297.48)	.06 ^c
Minimum	699.22 (613.93–784.50)	719.52 (602.14–836.91)	661.99 (498.02–825.96)	.51
Maximum	2105.89 (1830.89–2380.89)	2254.85 (1902.54–2607.15)	1832.82 (1332.68–2332.96)	.12
First percentile	843.92 (759.61–928.24)	878.77 (769.88–987.65)	780.04 (610.99–949.08)	.25
Fifth percentile	960.34 (843.95–1076.73)	1021.97 (862.91–1181.04)	847.35 (671.18–1023.51)	.13
10th percentile	1038.58 (897.67–1179.49)	1119.59 (924.08–1315.11)	890.05 (708.10–1072.01)	.09
15th percentile	1090.38 (938.06–1242.70)	1179.55 (966.39–1392.70)	926.90 (745.27–1108.53)	.09
20th percentile	1130.54 (973.43–1287.64)	1223.50 (1002.54–1444.46)	960.11 (782.74–1137.48)	.09
25th percentile	1165.84 (1005.59–1326.09)	1262.99 (1038.53–1487.46)	987.73 (809.78–1165.68)	.08
30th percentile	1199.42 (1036.75–1362.09)	1301.11 (1074.65–1527.58)	1012.98 (835.59–1190.38)	.07
35th percentile	1227.66 (1061.92–1393.39)	1331.47 (1101.42–1561.52)	1037.32 (853.17–1221.48)	.07
40th percentile	1259.15 (1089.90–1428.41)	1367.80 (1134.58–1601.02)	1059.97 (871.73–1248.21)	.06
45th percentile	1285.9 (1112.12–1459.68)	1397.93 (1158.55–1637.31)	1080.52 (888.72–1272.31)	.06
55th percentile	1339.78 (1158.48–1521.08)	1457.89 (1208.89–1706.89)	1123.25 (923.62–1322.88)	.06 ^c
60th percentile	1366.15 (1180.63–1551.67)	1486.62 (1231.50–1741.74)	1145.3 (941.40–1349.20)	.06 ^c
65th percentile	1392.27 (1203.98–1580.57)	1514.2 (1255.00–1773.40)	1168.74 (962.07–1375.41)	.06
75th percentile	1449.71 (1256.03–1643.39)	1573.59 (1305.76–1841.42)	1222.6 (1011.30–1433.90)	.06
80th percentile	1483.46 (1286.26–1680.67)	1609.27 (1335.88–1882.67)	1252.81 (1040.67–1464.95)	.07
85th percentile	1523.10 (1324.61–1721.58)	1647.57 (1370.46–1924.68)	1294.89 (1084.89–1504.90)	.07
90th percentile	1580.21 (1383.30–1777.13)	1695.61 (1417.34–1973.88)	1368.65 (1150.36–1586.94)	.09
95th percentile	1670.77 (1471.48–1870.07)	1767.61 (1495.16–2040.06)	1493.24 (1172.47–1814.02)	.17
99th percentile	1831.7 (1616.87–2046.53)	1937.94 (1677.67–2198.20)	1636.93 (1181.71–2092.16)	.16
Variance	57023.39	65048.77	42310.21	.43
Skewness	0.22	0.07	0.48	.45
Kurtosis	4.74	5.40	3.53	.43

^a ADC values units are $10^{-6}\text{mm}^2/\text{s}$.

^b Data in parentheses are 95% CIs.

^c Significant.