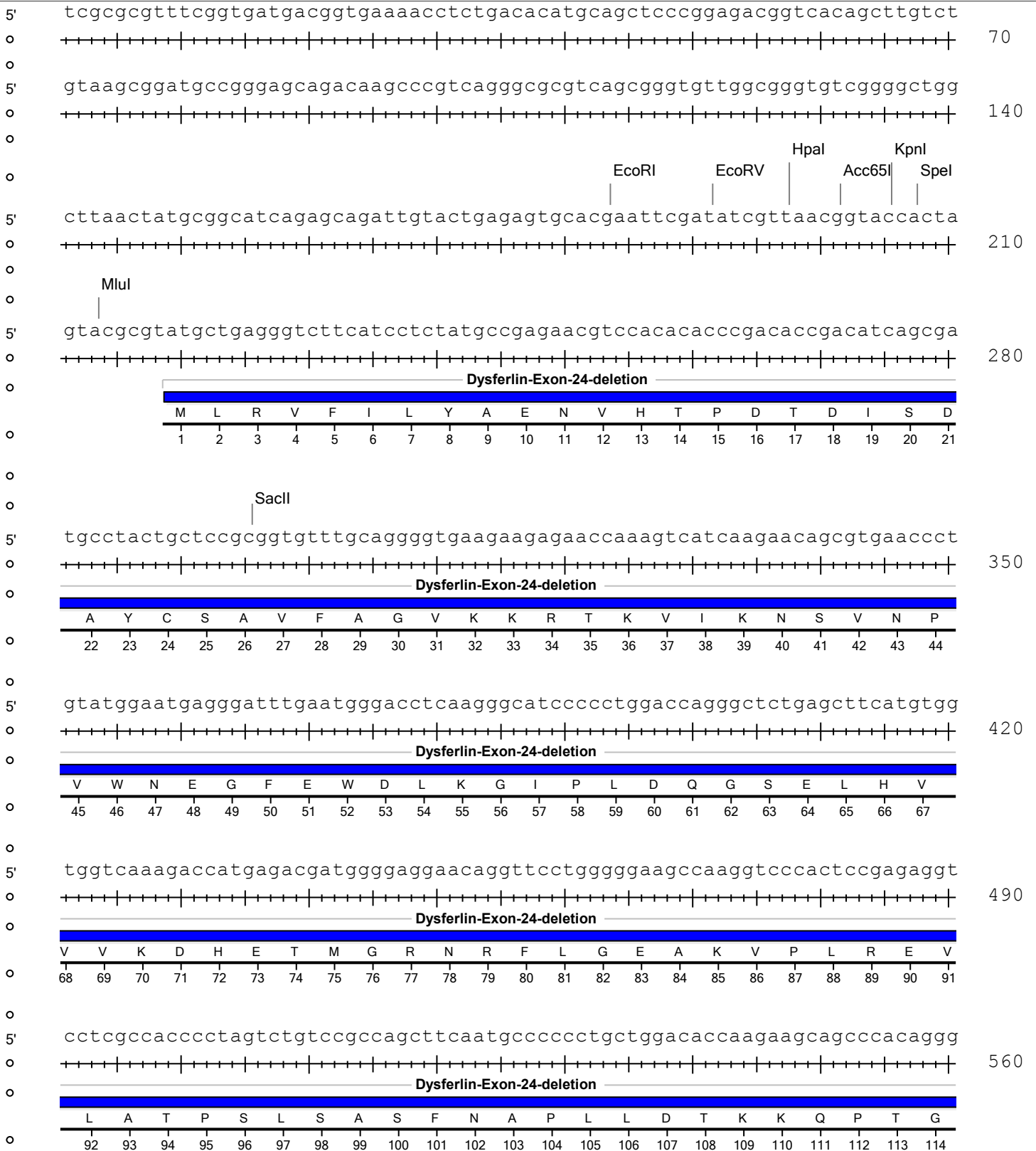
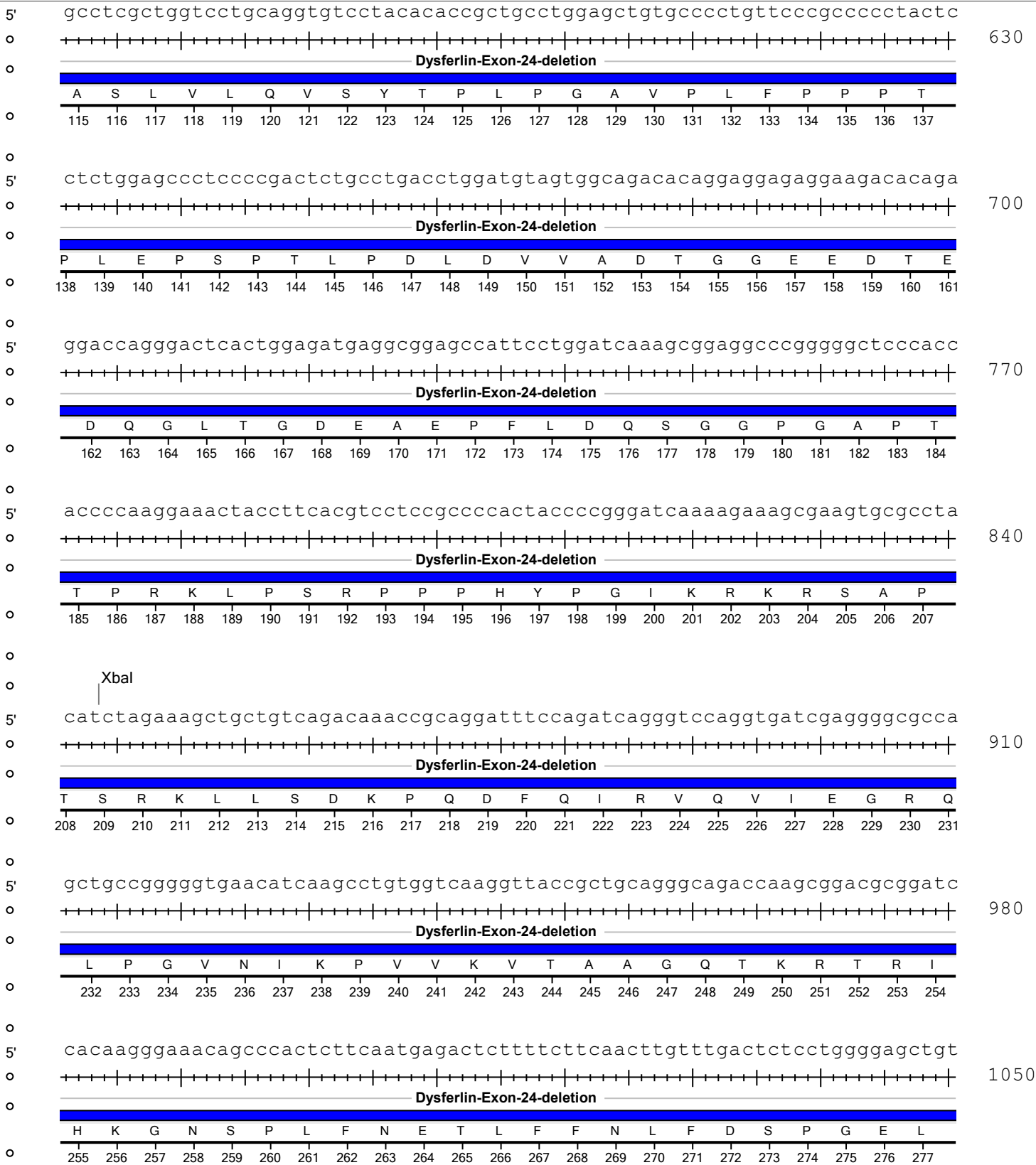


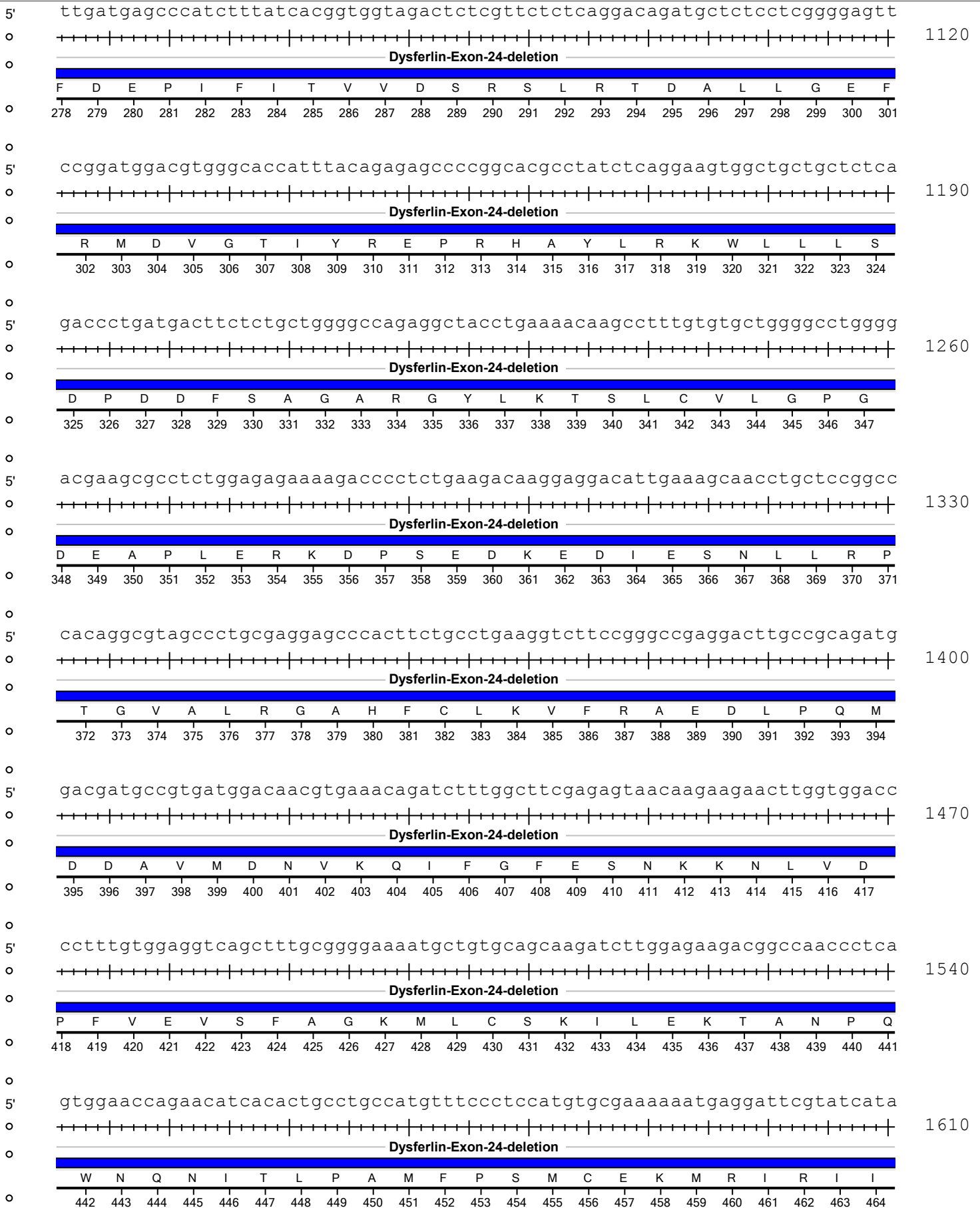
Dysferlin exon 24 deletion in pUC57-Kan



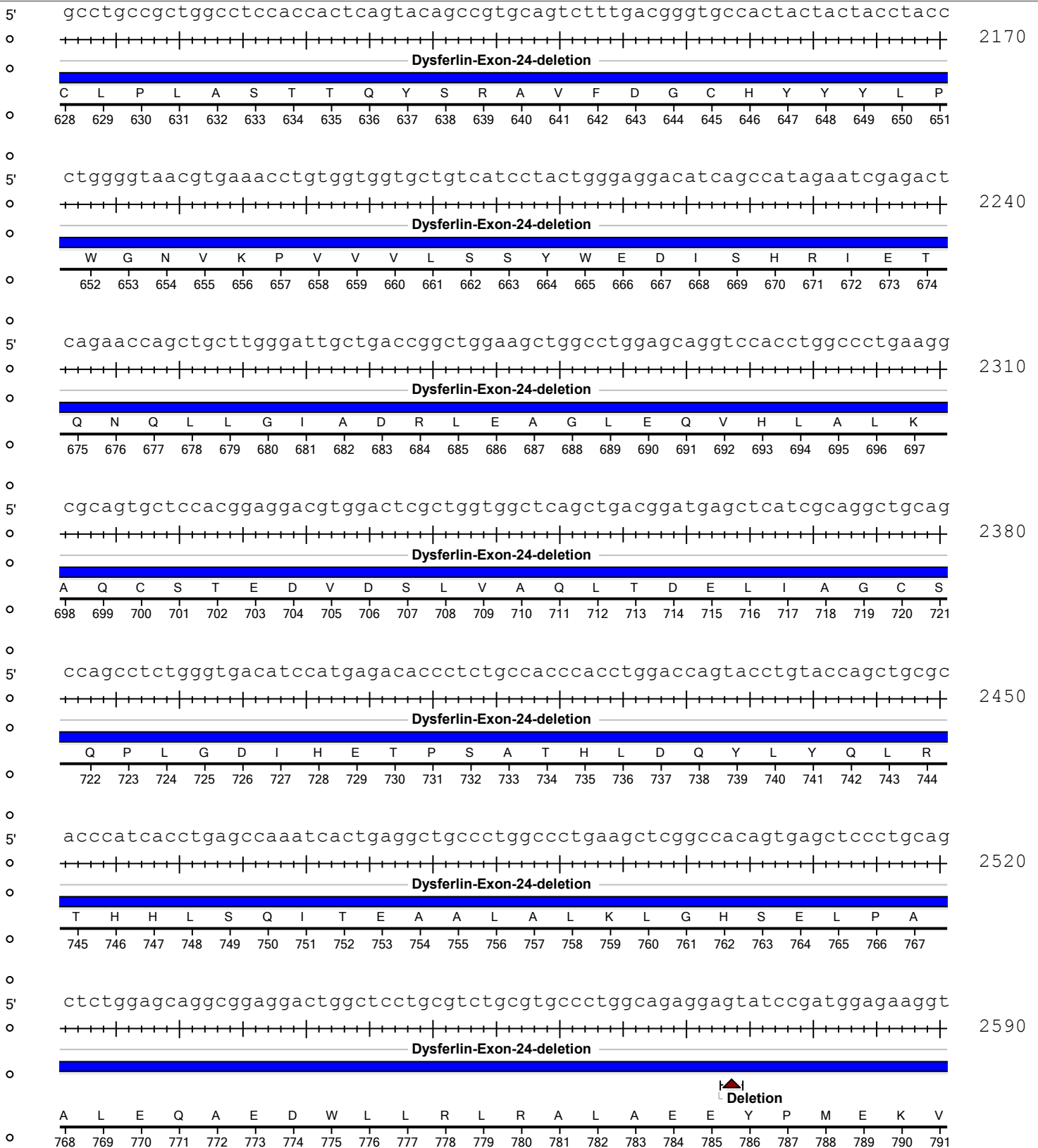
Dysferlin exon 24 deletion in pUC57-Kan



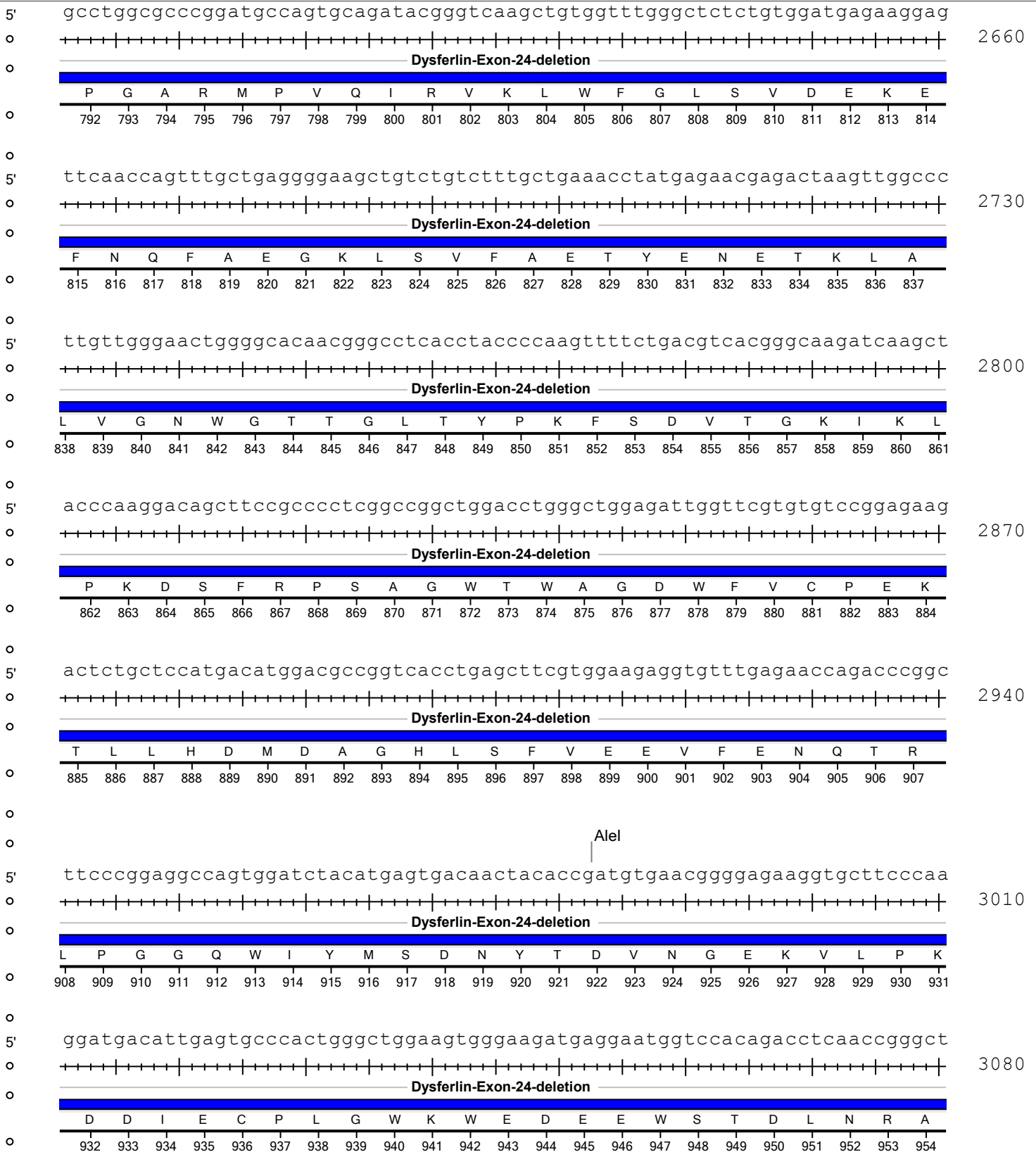
Dysferlin exon 24 deletion in pUC57-Kan



Dysferlin exon 24 deletion in pUC57-Kan



Dysferlin exon 24 deletion in pUC57-Kan



Dysferlin exon 24 deletion in pUC57-Kan

5' gtcgatgagcaaggctgggagtatagcatcaccatccccccggagcgggaagccgaagcactgggtcctg 3150
o
o
Dysferlin-Exon-24-deletion
V D E Q G W E Y S I T I P P E R K P K H W V P
955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977

5' ctgagaagatgtactacacacaccgacggcggcgtgggtgcgcttgcgcaggagggatctcagccaaat 3220
o
o
Dysferlin-Exon-24-deletion
A E K M Y Y T H R R R R W V R L R R R D L S Q M
978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001

5' ggaagcactgaaaaggcacaggcaggcggaggcggagggcgagggctgggagtacgcctctcttttggc 3290
o
o
Dysferlin-Exon-24-deletion
E A L K R H R Q A E A E G E G W E Y A S L F G
1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024

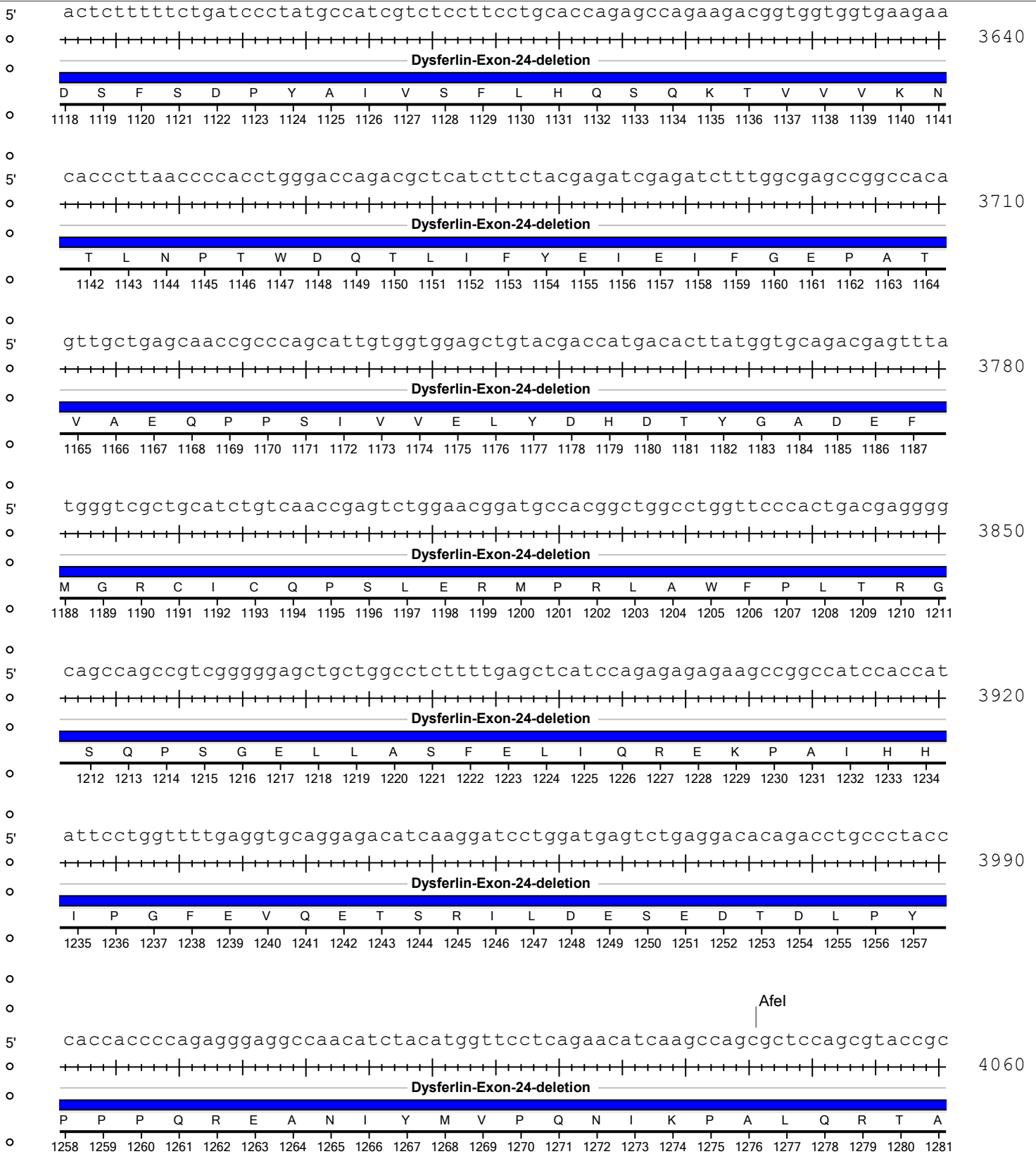
5' tggaaattccacctcgagtaccgcaagacagatgccttccgcccgcgctggcgccgtcgcgatggagc 3360
o
o
Dysferlin-Exon-24-deletion
W K F H L E Y R K T D A F R R R R W R R R M E
1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047

5' cactggagaagacggggcctgcagctgtgtttgcccttgagggggccctgggcggtgatggatgacaa 3430
o
o
Dysferlin-Exon-24-deletion
P L E K T G P A A V F A L E G A L G G V M D D K
1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071

5' gagtgaagattccatgtccgtctccaccttgagcttcgggtgtgaacagaccacgatttctgcatattc 3500
o
o
Dysferlin-Exon-24-deletion
S E D S M S V S T L S F G V N R P T I S C I F
1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094

5' gactatgggaaccgctaccatctacgctgctacatgtaccaggcccgggacctggctgcatggacaagg 3570
o
o
Dysferlin-Exon-24-deletion
D Y G N R Y H L R C Y M Y Q A R D L A A M D K
1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117

Dysferlin exon 24 deletion in pUC57-Kan



Dysferlin exon 24 deletion in pUC57-Kan

5' catcgagatcctggcatggggcctgcggaacatgaagagttaccagctggccaacatctcctccccagc 4130
o
o
Dysferlin-Exon-24-deletion
I E I L A W G L R N M K S Y Q L A N I S S P S
o 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304

5' ctctgtgtagagtgtggggccagacggtgcagtcctgtgtcatcaggaacctccggaagaaccccaact 4200
o
o
Dysferlin-Exon-24-deletion
L V V E C G G Q T V Q S C V I R N L R K N P N
o 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327

5' ttgacatctgcaccctcttcatggaagtgatgctgccagggaggagctctactgccccccatcacgct 4270
o
o
Dysferlin-Exon-24-deletion
F D I C T L F M E V M L P R E E L Y C P P I T V
o 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351

5' caaggatcatcgataaccgcccagtttgcccgccggcctgtggtgggcccagtggtaccatccgctccctggag 4340
o
o
Dysferlin-Exon-24-deletion
K V I D N R Q F G R R P V V G Q C T I R S L E
o 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374

5' agcttctgtgtgacccctactcggcggagagtgccatccccacaggggtggcccagacgatgtgagcctac 4410
o
o
Dysferlin-Exon-24-deletion
S F L C D P Y S A E S P S P Q G G P D D V S L
o 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397

5' tcagtcctggggaagacgtgctcatcgacattgatgacaaggagccccctatccccatccaggaggaaga 4480
o
o
Dysferlin-Exon-24-deletion
L S P G E D V L I D I D D K E P L I P I Q E E E
o 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421

5' gttcatcgattggtggagcaaattctttgcctccataggggagagggaaaagtgcggctcctacctggag 4550
o
o
Dysferlin-Exon-24-deletion
F I D W W S K F F A S I G E R E K C G S Y L E
o 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444

Dysferlin exon 24 deletion in pUC57-Kan

5' gtgagacggctcgacctggagaacaggctgctgtccaagtttggggctcgtgtggactcccacagac 5110
o
o
o **Dysferlin-Exon-24-deletion**
o G E T V V D L E N R L L S K F G A R C G L P Q T
o 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631

5' ctactgtgtctctggaccgaaccagtgggcgggaccagctccgccctcccagctcctccacctcttctgc 5180
o
o
o **Dysferlin-Exon-24-deletion**
o Y C V S G P N Q W R D Q L R P S Q L L H L F C
o 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654

o
o BaeI TstI BaeI TstI
5' cagcagcatagagtcaaggcacctgtgtaccggacagaccgtgtaatgtttcaggataaagaatattcca 5250
o
o
o **Dysferlin-Exon-24-deletion**
o Q Q H R V K A P V Y R T D R V M F Q D K E Y S
o 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677

5' ttgaagagatagaggctggcaggatcccaaaccacacctgggcccagtgaggagcgtctggctctgca 5320
o
o
o **Dysferlin-Exon-24-deletion**
o I E E I E A G R I P N P H L G P V E E R L A L H
o 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701

o
o PmlI BsaAI
5' tgtgcttcagcagcagggcctgggtcccggagcacgtggagtcacggcccctctacagccccctgcagcca 5390
o
o
o **Dysferlin-Exon-24-deletion**
o V L Q Q Q G L V P E H V E S R P L Y S P L Q P
o 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724

5' gacatcgagcaggggaagctgcagatgtgggtcgacctatttccgaaggccctggggcggcctggacctc 5460
o
o
o **Dysferlin-Exon-24-deletion**
o D I E Q G K L Q M W V D L F P K A L G R P G P
o 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747

5' ccttcaacatcaccacacggagagccagaaggtttttccctgcgttgattatctggaataccagagatgt 5530
o
o
o **Dysferlin-Exon-24-deletion**
o P F N I T P R R A R R F F L R C I I W N T R D V
o 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771

Dysferlin exon 24 deletion in pUC57-Kan

5' gatcctggatgacctgagcctcacgggggagaagatgagcgcacatttatgtgaaagggttgatgattggc 5600
o
o
Dysferlin-Exon-24-deletion
I L D D L S L T G E K M S D I Y V K G W M I G
o
1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794

5' ttgaagaacacaagcaaaagacagacgtgcattatcgttccctgggaggtgaaggcaacttcaactgga 5670
o
o
Dysferlin-Exon-24-deletion
F E E H K Q K T D V H Y R S L G G E G N F N W
o
1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817

o
o
BsrDI
5' ggttcattttccccttcgactacctgccagctgagcaagtctgtaccattgccaagaaggatgccttctg 5740
o
o
Dysferlin-Exon-24-deletion
R F I F P F D Y L P A E Q V C T I A K K D A F W
o
1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841

5' gaggctggacaagactgagagcaaaatcccagcagagtggtgttccagatctgggacaatgacaagttc 5810
o
o
Dysferlin-Exon-24-deletion
R L D K T E S K I P A R V V F Q I W D N D K F
o
1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864

o
o
SphI
5' tcctttgatgattttctgggctccctgcagctcgatctcaaccgcatgcccagccagccaagacagcca 5880
o
o
Dysferlin-Exon-24-deletion
S F D D F L G S L Q L D L N R M P K P A K T A
o
1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887

5' agaagtgctccttgaccagctggatgatgctttccaccagaatggtttgtgtcccttttgagcagaa 5950
o
o
Dysferlin-Exon-24-deletion
K K C S L D Q L D D A F H P E W F V S L F E Q K
o
1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911

5' aacagtgaagggtggtggccctgtgtagcagaagaggggtgagaagaaaatactggcgggcaagctggaa 6020
o
o
Dysferlin-Exon-24-deletion
T V K G W W P C V A E E G E K K I L A G K L E
o
1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934

Dysferlin exon 24 deletion in pUC57-Kan

