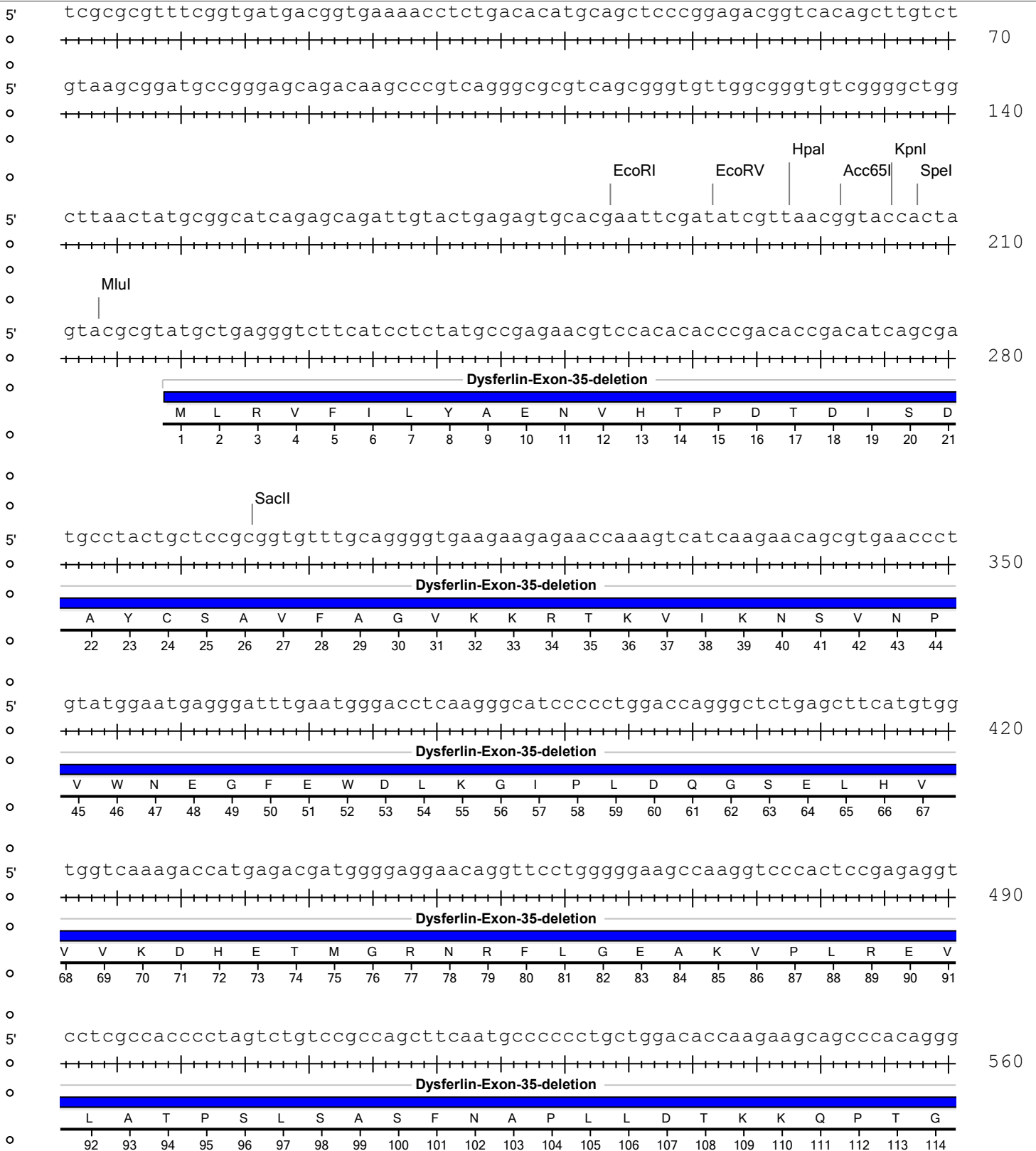
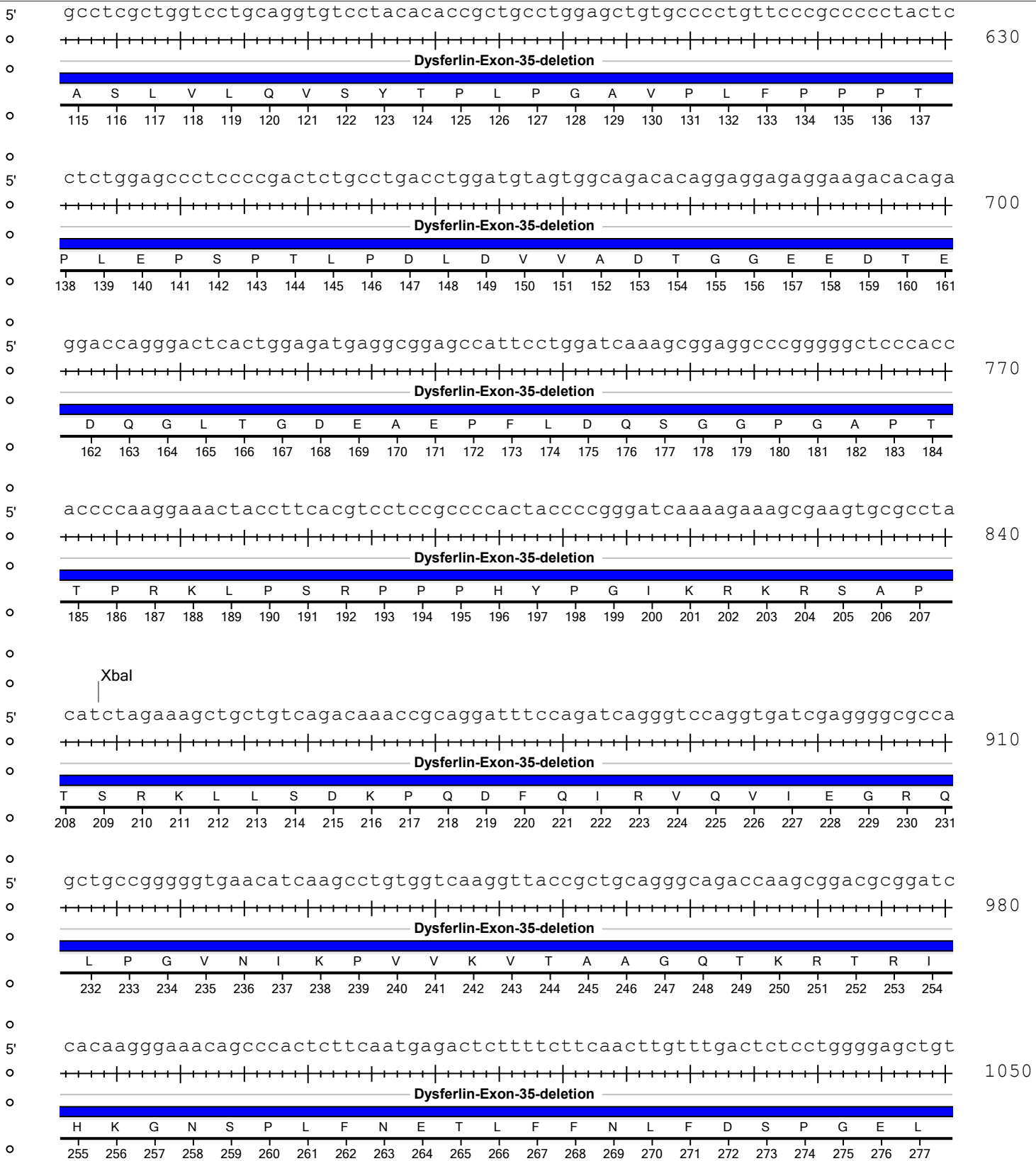


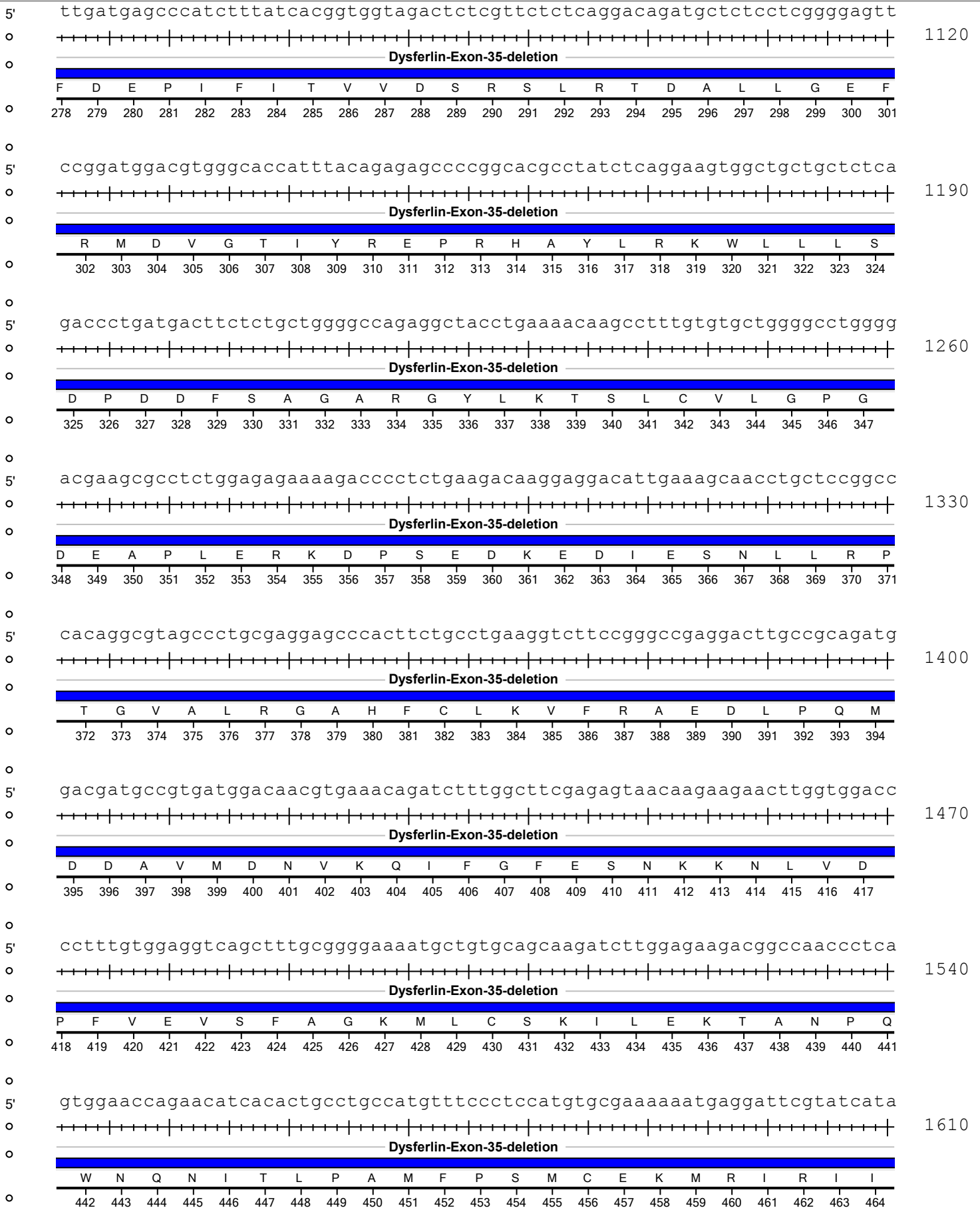
Dysferlin-Exon-35-deletion_in_pUC57-Kan



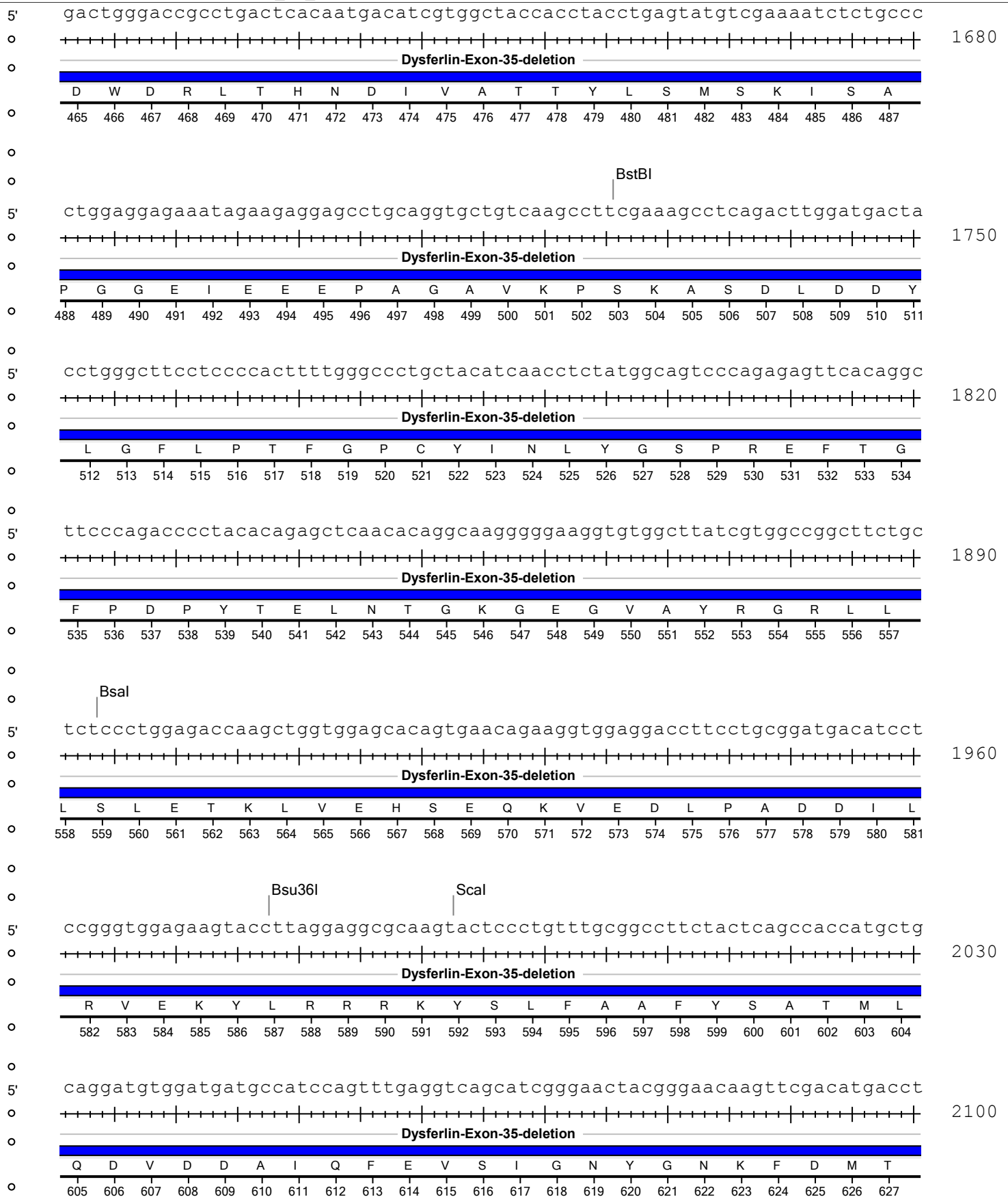
Dysferlin-Exon-35-deletion_in_pUC57-Kan



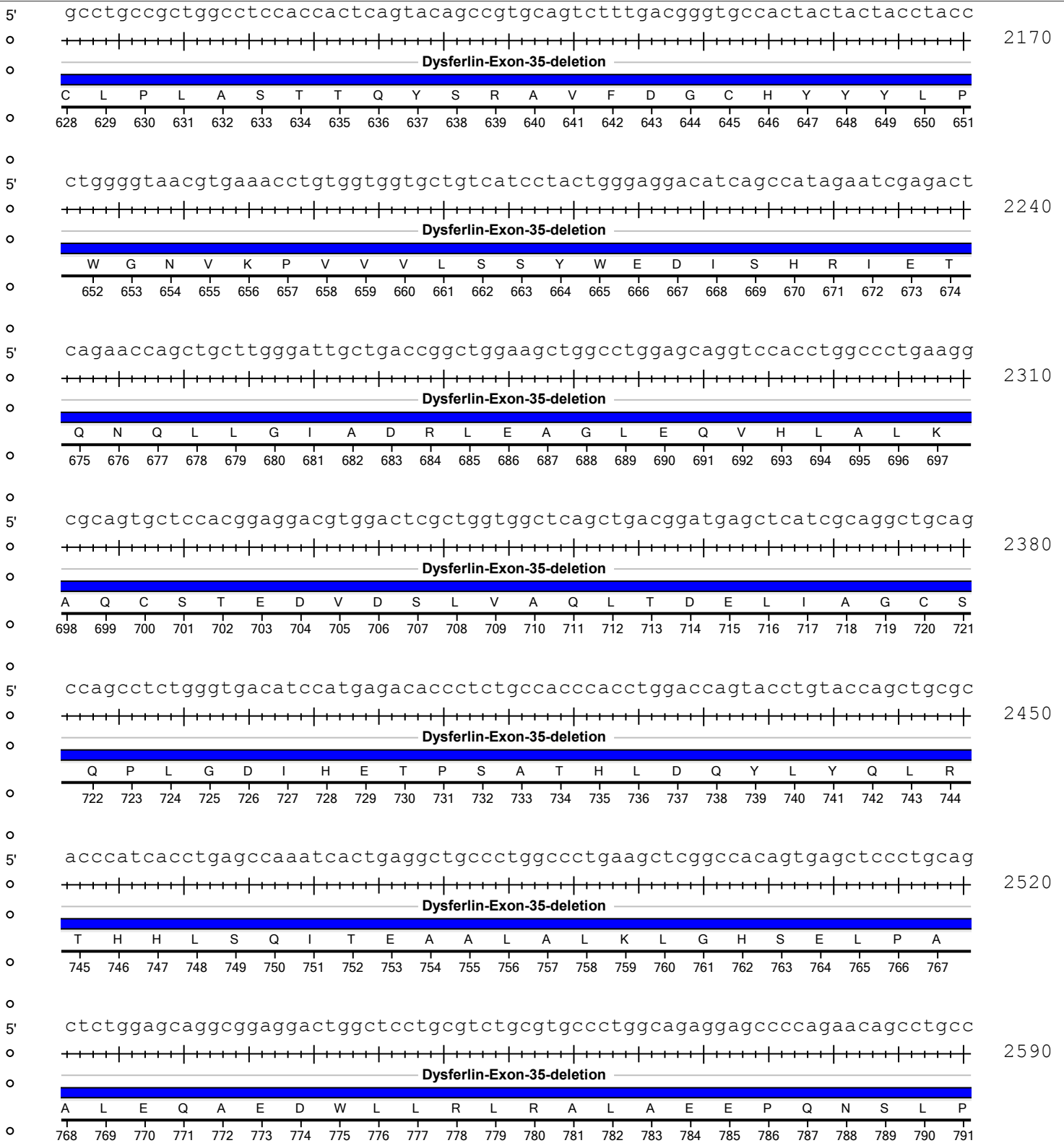
Dysferlin-Exon-35-deletion_in_pUC57-Kan



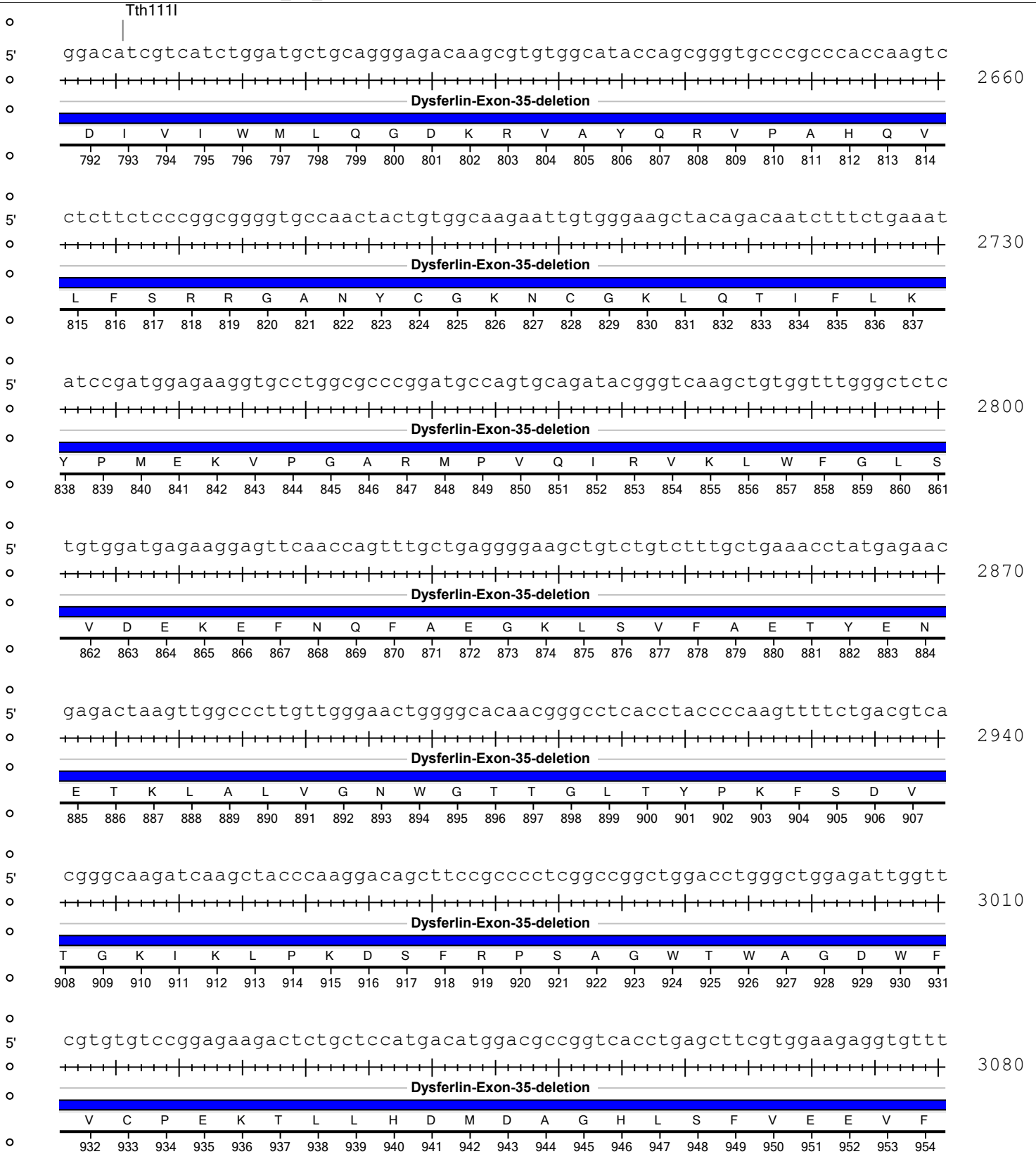
Dysferlin-Exon-35-deletion_in_pUC57-Kan



Dysferlin-Exon-35-deletion_in_pUC57-Kan



Dysferlin-Exon-35-deletion_in_pUC57-Kan



Dysferlin-Exon-35-deletion_in_pUC57-Kan

AleI

5' gagaaccagaccggcttccccggaggccagtggatctacatgagtgacaactacaccgatgtgaacgggg 3150
Dysferlin-Exon-35-deletion
E N Q T R L P G G Q W I Y M S D N Y T D V N G
955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977

5' agaaggtgcttcccaaggatgacattgagtgccactgggctggaagtgggaagatgaggaatggtccac 3220
Dysferlin-Exon-35-deletion
E K V L P K D D I E C P L G W K W E D E E W S T
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' agacctcaaccgggctgtcgatgagcaaggctgggagtatagcatcaccatccccccggagcgggaagccg 3290
Dysferlin-Exon-35-deletion
D L N R A V D E Q G W E Y S I T I P P E R K P
1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024

5' aagcactgggtccctgctgagaagatgtactacacacaccgacggcggcgctgggtgcgctgcgagga 3360
Dysferlin-Exon-35-deletion
K H W V P A E K M Y Y T H R R R R W V R L R R
1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047

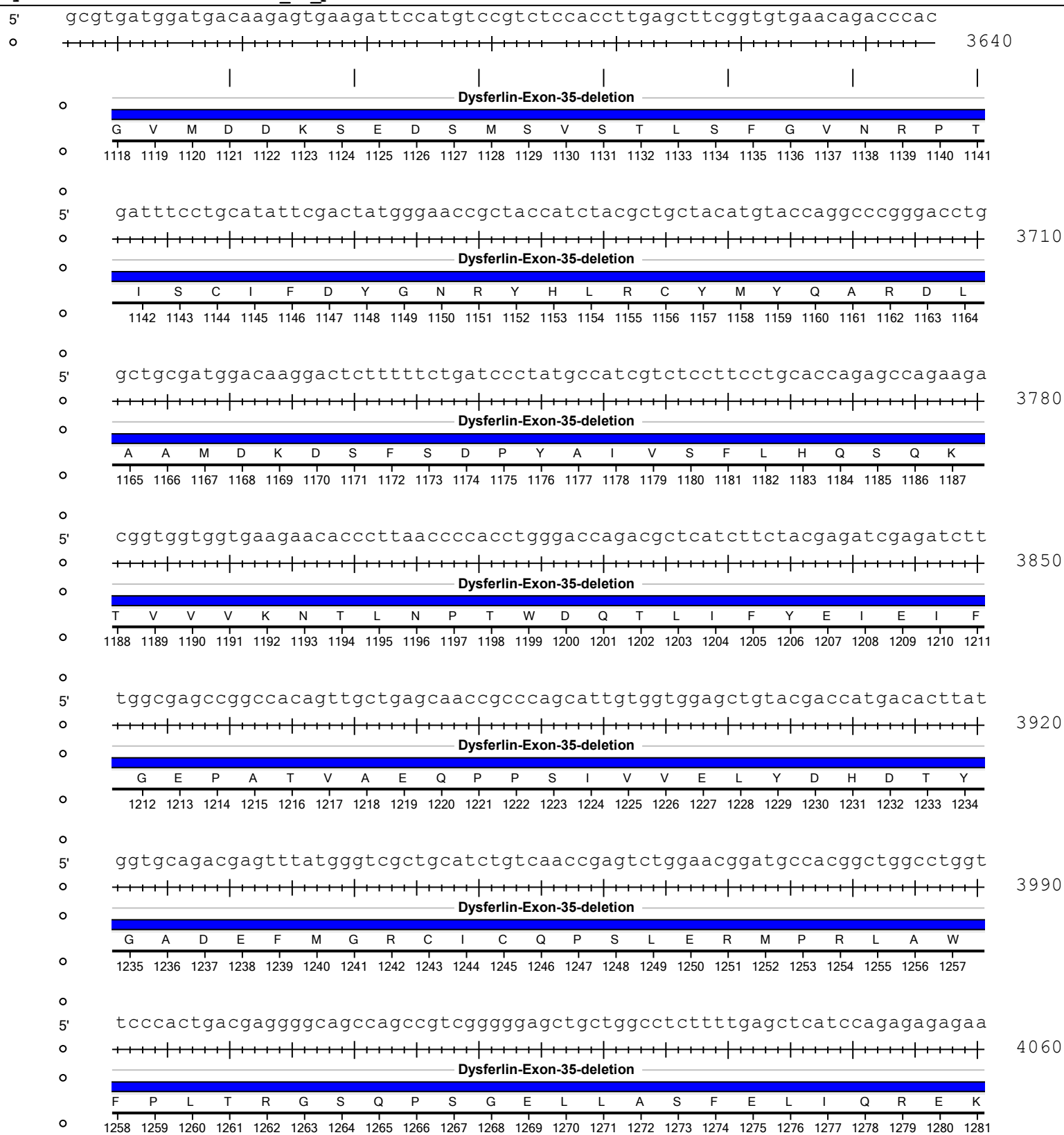
5' gggatctcagccaaatggaagcactgaaaaggcacaggcaggcggaggcgagggcgagggctgggagta 3430
Dysferlin-Exon-35-deletion
R D L S Q M E A L K R H R Q A E A E G E G W E Y
1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071

PspXI
XhoI

5' cgctctcttttggctggaagtccacctcgagtaccgcaagacagatgccttccgcccgcggcctgg 3500
Dysferlin-Exon-35-deletion
A S L F G W K F H L E Y R K T D A F R R R R W
1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094

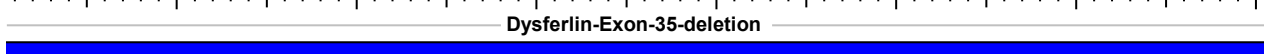
5' cgccgtcgcattggagccactggagaagacggggcctgcagctgtgtttgccttgagggggccctgggcg 3570
Dysferlin-Exon-35-deletion
R R R M E P L E K T G P A A V F A L E G A L G
1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117

Dysferlin-Exon-35-deletion_in_pUC57-Kan



Dysferlin-Exon-35-deletion_in_pUC57-Kan

5' ggtgcaggagacatcaaggatcctggatgagtgctgaggacacagacctgccctaccaccaccacccagagg 4130

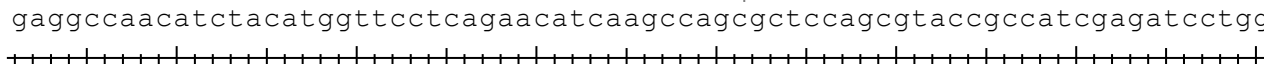


V Q E T S R I L D E S E D T D L P Y P P P Q R

1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304

gaggccaacatctacatggttcctcagaacatcaagccagcgcctccagcgtaccgccatcgagatcctgg 4200

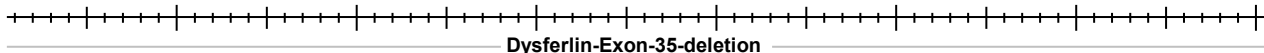
Afel



E A N I Y M V P Q N I K P A L Q R T A I E I L

1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327

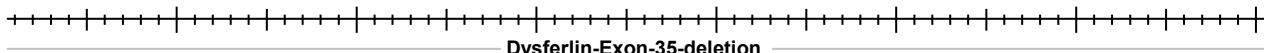
5' catggggcctgcggaacatgaagagttaccagctggccaacatctcctccccagcctcgtggtagagtg 4270



A W G L R N M K S Y Q L A N I S S P S L V V E C

1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351

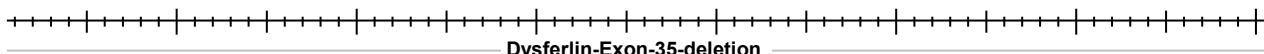
5' tggggggccagacggtgcagtcctgtgtcatcaggaacctccggaagaaccaactttgacatctgcacc 4340



G G Q T V Q S C V I R N L R K N P N F D I C T

1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374

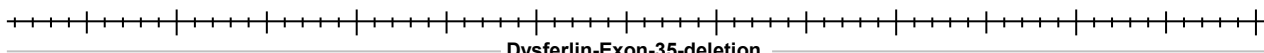
5' ctcttcatggaagtgatgctgcccaggaggagctctactgccccccatcaccgtcaaggatcatcgata 4410



L F M E V M L P R E E L Y C P P I T V K V I D

1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397

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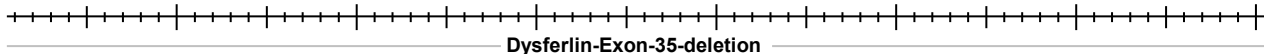


N R Q F G R R P V V G Q C T I R S L E S F L C D

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' ccctactcggcggagagtcacatccccacagggtgggccagacgatgtgagcctactcagtccctggggaa 4550

Dralll



P Y S A E S P S P Q G G P D D V S L L S P G E

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-35-deletion_in_pUC57-Kan

o
o
5' gacgtgctcatcgacattgatgacaaggagcccctcatccccatccaggaggaagagttcatcgattggt 4620
o
o
o **Dysferlin-Exon-35-deletion**
o
o D V L I D I D D K E P L I P I Q E E E F I D W
o 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467

Alol'

o
o
o Alol
5' ggagcaaattctttgcctccataggggagaggaaaagtgcggctcctacctggagaaggattttgacac 4690
o
o
o **Dysferlin-Exon-35-deletion**
o
o W S K F F A S I G E R E K C G S Y L E K D F D T
o 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491

Stul

o
o
5' cctgaaggctctatgacacacagctggagaatgtggaggcctttgagggcctgtctgacttttgtaacacc 4760
o
o
o **Dysferlin-Exon-35-deletion**
o
o L K V Y D T Q L E N V E A F E G L S D F C N T
o 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514

o
o
5' ttcaagctgtaccggggcaagacgcaggaggagacagaagatccatctgtgattggtgaatttaagggcc 4830
o
o
o **Dysferlin-Exon-35-deletion**
o
o F K L Y R G K T Q E E T E D P S V I G E F K G
o 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537

o
o
5' tttcaaaatttatcccctcccagaagaccagccatccccatgcccccaagacagttccaccagctggc 4900
o
o
o **Dysferlin-Exon-35-deletion**
o
o L F K I Y P L P E D P A I P M P P R Q F H Q L A
o 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561

o
o
5' cgcccagggaccccaggagtgccttggtccgtatctacattgtccgagcatttggcctgcagcccgaaggac 4970
o
o
o **Dysferlin-Exon-35-deletion**
o
o A Q G P Q E C L V R I Y I V R A F G L Q P K D
o 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584

o
o
5' cccaatggaaagtgtgatccttacatcaagatctccatagggagaagaatcagtgagtgaccaggataact 5040
o
o
o **Dysferlin-Exon-35-deletion**
o
o P N G K C D P Y I K I S I G K K S V S D Q D N
o 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607

Dysferlin-Exon-35-deletion_in_pUC57-Kan

5' acatccccctgcacgctggagccccgtatTTTggaagatgTTCgagctgacctgcactctgcctctggagaa 5110
o
o
Dysferlin-Exon-35-deletion
Y I P C T L E P V F G K M F E L T C T L P L E K
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' ggacctaaagatcactctctatgactatgacctcctctccaaggacgaaaagatcggtgagacggtcgtc 5180
o
o
Dysferlin-Exon-35-deletion
D L K I T L Y D Y D L L S K D E K I G E T V V
o 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654

5' gacctggagaacaggctgctgtccaagTTTggggctcgtgtggactccacagacctactgtgtctctg 5250
o
o
Dysferlin-Exon-35-deletion
D L E N R L L S K F G A R C G L P Q T Y C V 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' gaccgaaccagtggcgggaccagctccgccccctccagctcctccacctcttctgccagcagcatagagt 5320
o
o
Dysferlin-Exon-35-deletion
G P N Q W R D Q L R P S Q L L H L F C Q Q H R V
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

5' caaggcacctgtgtaccggacagaccgtgtaatgTTTcaggataaagaatattccattgaagagatagag 5390
o
o
Dysferlin-Exon-35-deletion
K A P V Y R T D R V M F Q D K E Y S I E E I E
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' gctggcaggatcccaaaccacacctgggcccagtgaggagcgtctggctctgcatgtgcttcagcagc 5460
o
o
Dysferlin-Exon-35-deletion
A G R I P N P H L G P V E E R L A L H V L Q Q
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' agggcctggtccccggagcacgtggagtcacggccccctctacagccccctgcagccagacatcgagcaggg 5530
o
o
Dysferlin-Exon-35-deletion
Q G L V P E H V E S R P L Y S P L Q P D I E Q G
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-35-deletion_in_pUC57-Kan

5' gaagctgcagatgtgggtcgacctatctccgaaggccctggggcggcctggacctcccttcaacatcacc 5600
o
o
o **Dysferlin-Exon-35-deletion**
o K L Q M W V D L F P K A L G R P G P P F N I T
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' ccacggagagccagaaggttttccctgcggttgattatctggaataccagagatgtgatcctggatgacc 5670
o
o
o **Dysferlin-Exon-35-deletion**
o P R R A R R F F L R C I I W N T R D V I L D D
o 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817

5' tgagcctcacgggggagaagatgagcgcacatttatgtgaaagggttgatgattggccttgaagaacacaa 5740
o
o
o **Dysferlin-Exon-35-deletion**
o L S L T G E K M S D I Y V K G W M I G F E E H K
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' gcaaaagacagacgtgcattatcgttccctgggaggtgaaggcaacttcaactggaggttcattttcccc 5810
o
o
o **Dysferlin-Exon-35-deletion**
o Q K T D V H Y R S L G G E G N F N W R F I F P
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
o BsrDI
5' ttcgactacctgccagctgagcaagtctgtaccattgccaagaaggatgccttctggaggctggacaaga 5880
o
o
o **Dysferlin-Exon-35-deletion**
o F D Y L P A E Q V C T I A K K D A F W R L D K
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' ctgagagcaaaatcccagcagcagtggtgttccagatctgggacaatgacaagttctcctttgatgattt 5950
o
o
o **Dysferlin-Exon-35-deletion**
o T E S K I P A R V V F Q I W D N D K F S F D D F
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

o
o
o SphI
5' tctgggctccctgcagctcgatctcaaccgcatgcccgaagccagccaagacagccaagaagtgctccttg 6020
o
o
o **Dysferlin-Exon-35-deletion**
o L G S L Q L D L N R M P K P A K T A K K C S L
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-35-deletion_in_pUC57-Kan

5' gaccagctggatgatgctttccaccagaatggtttgtgtcccttttgagcagaaaacagtgaagggtc 6090
 o
 o
 Dysferlin-Exon-35-deletion
 D Q L D D A F H P E W F V S L F E Q K T V K G
 o 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957

5' ggtggccctgtgtagcagaagaggggtgagaagaaaatactggcgggcaagctggaaatgaccttgagat 6160
 o
 o
 Dysferlin-Exon-35-deletion
 W W P C V A E E G E K K I L A G K L E M T L E I
 o 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981

5' ttagcagagagtgagcatgaggagcggcctgctggccagggccgggatgagcccaacatgaaccctaag 6230
 o
 o
 Dysferlin-Exon-35-deletion
 V A E S E H E E R P A G Q G R D E P N M N P K
 o 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

HindIII

5' cttaggacccaaggcgccccgacacctccttctgtggttacctccccatacaagaccatgaagtta 6300
 o
 o
 Dysferlin-Exon-35-deletion
 L E D P R R P D T S F L W F T S P Y K T M K F
 o 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027

5' tcctgtggcggcggttccgggtgggccatcatcctcttcatcctcctcttcatcctgctgctgttcctggc 6370
 o
 o
 Dysferlin-Exon-35-deletion
 I L W R R F R W A I I L F I I L F I L L L F L A
 o 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051

BclI

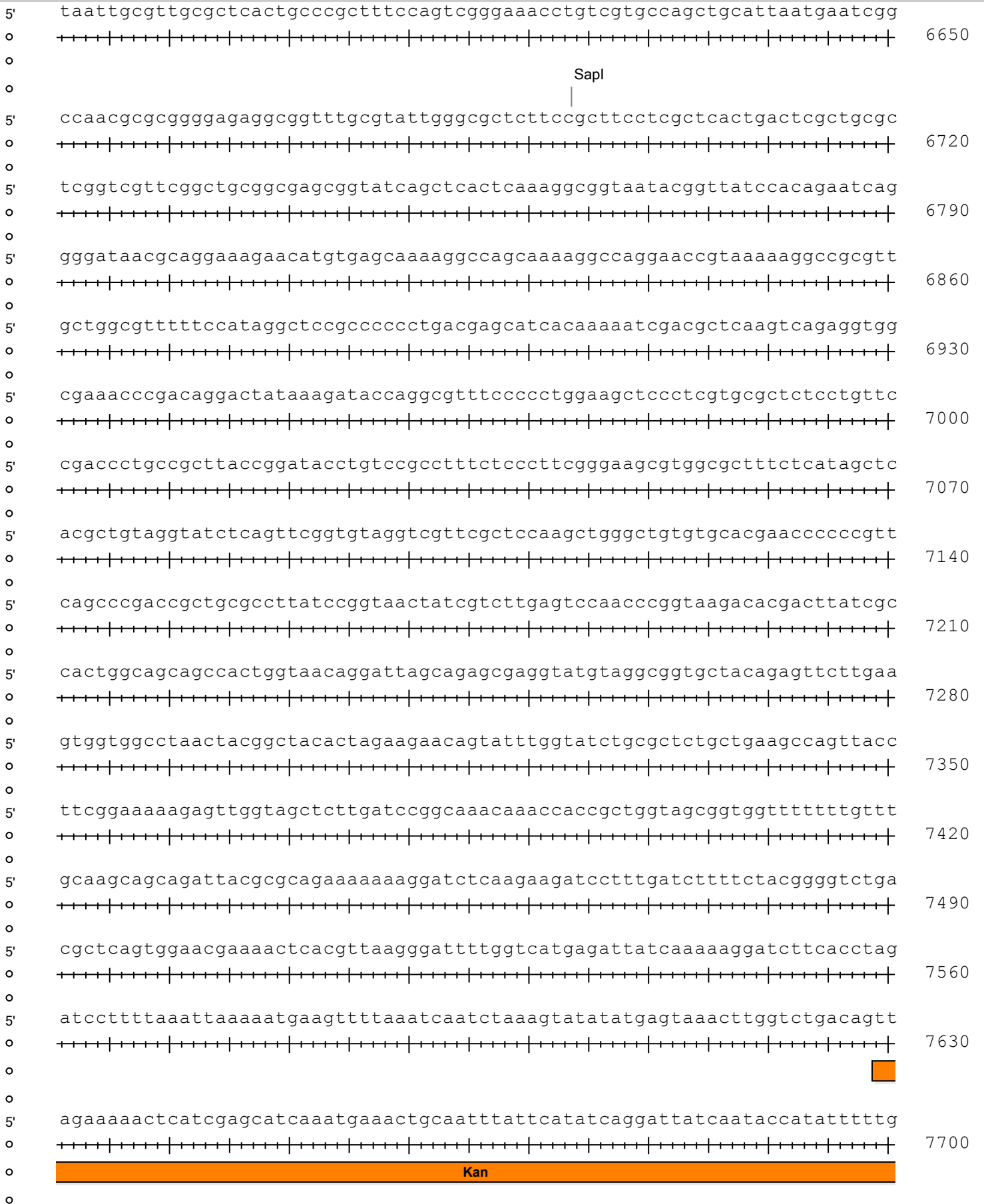
5' catcttcatctacgccttcccgaactatgctgcatgaagctggtgaagcccttcagctgatgatcacca 6440
 o
 o
 Dysferlin-Exon-35-deletion
 I F I Y A F P N Y A A M K L V K P F S
 o 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071

5' tggcatatggctagcgcggccgccaatggcatagctgtttcctgtgtgaaattgttatccgctcacaatt 6510
 o
 o

5' ccacacaacatacgagccggaagcataaagtgtaaagcctggggtgcctaataatgagtgagctaactcacat 6580
 o
 o

NdeI NheI BmtI NotI

Dysferlin-Exon-35-deletion_in_pUC57-Kan



Dysferlin-Exon-35-deletion_in_pUC57-Kan

