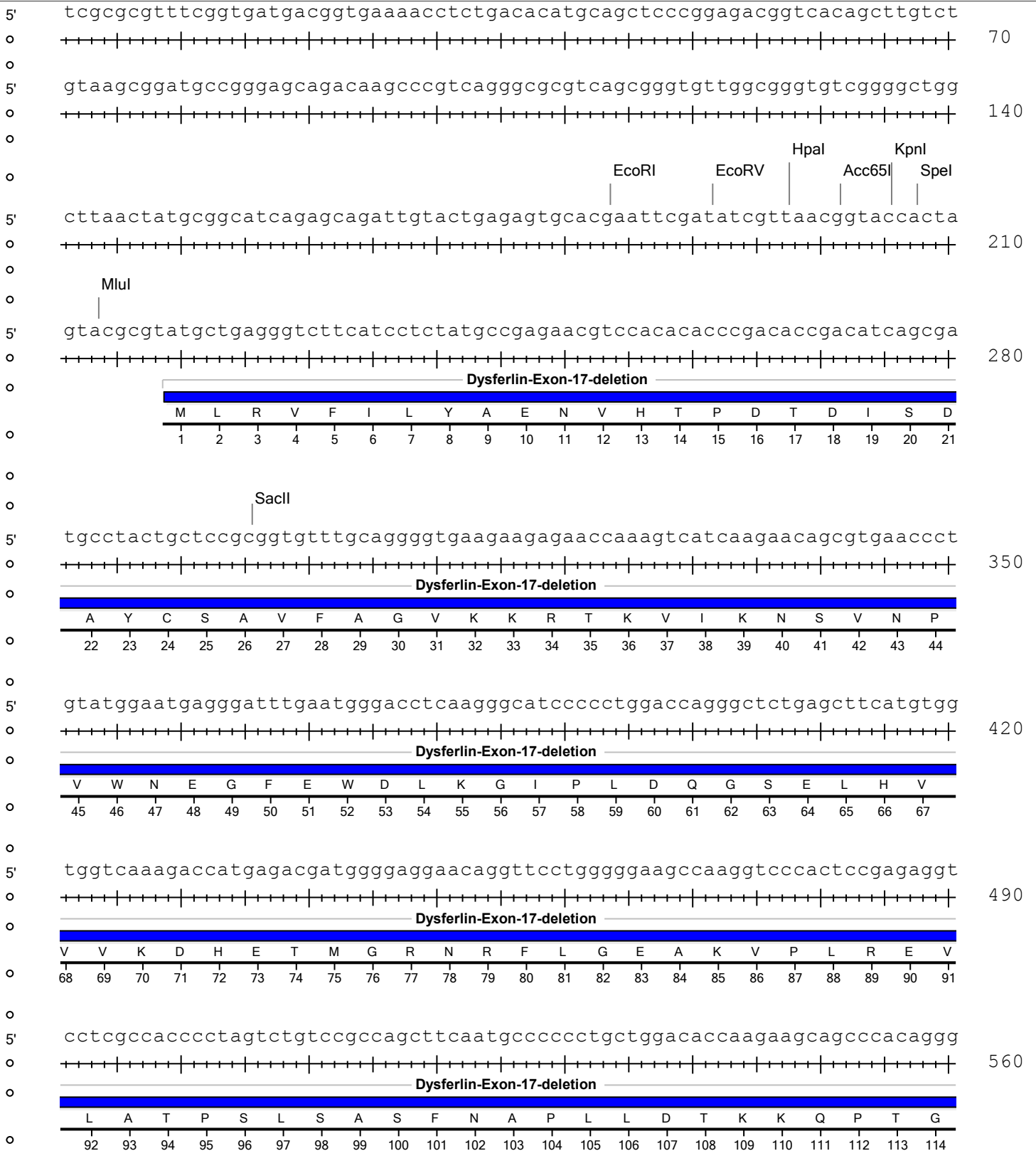
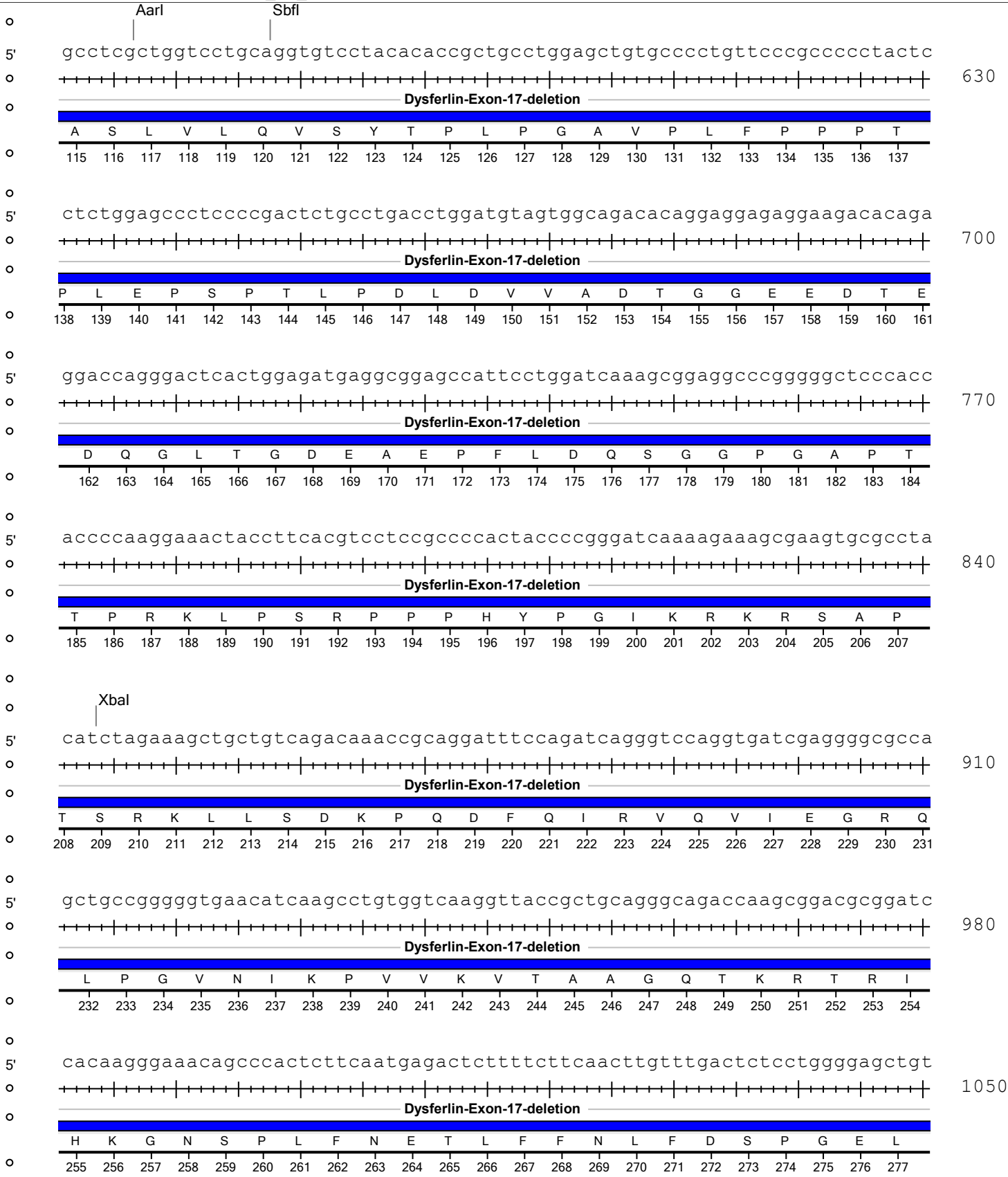


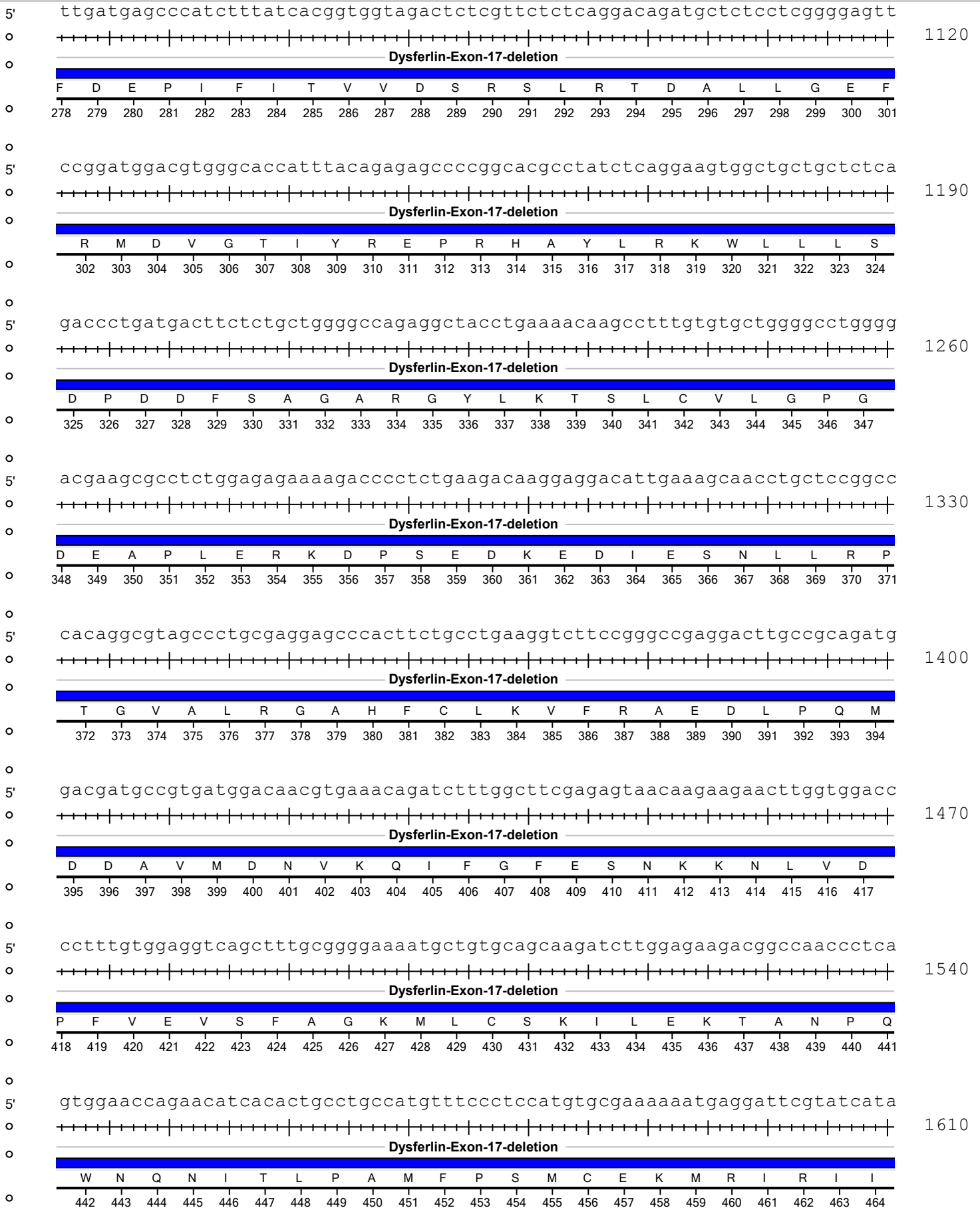
Dysferlin-Exon-17-deletion\_in\_pUC57-Kan



Dysferlin-Exon-17-deletion\_in\_pUC57-Kan



Dysferlin-Exon-17-deletion\_in\_pUC57-Kan



Dysferlin-Exon-17-deletion\_in\_pUC57-Kan

5' gactgggaccgacctgactcacaatgacatcgtggctaccacctacctgagtatgtcgaaaatctctgccc 1680  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o D W D R L T H N D I V A T T Y L S M S K I S A  
o 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487

5' ctggaggagaaatagaagtggatgactacctgggcttccctcccacttttgggcccctgctacatcaacct 1750  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o P G G E I E V D D Y L G F L P T F G P C Y I N L  
o 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511

5' ctatggcagtcccagagagttcacaggcttcccagaccctacacagagctcaacacaggcaagggggaa 1820  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o Y G S P R E F T G F P D P Y T E L N T G K G E  
o 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534

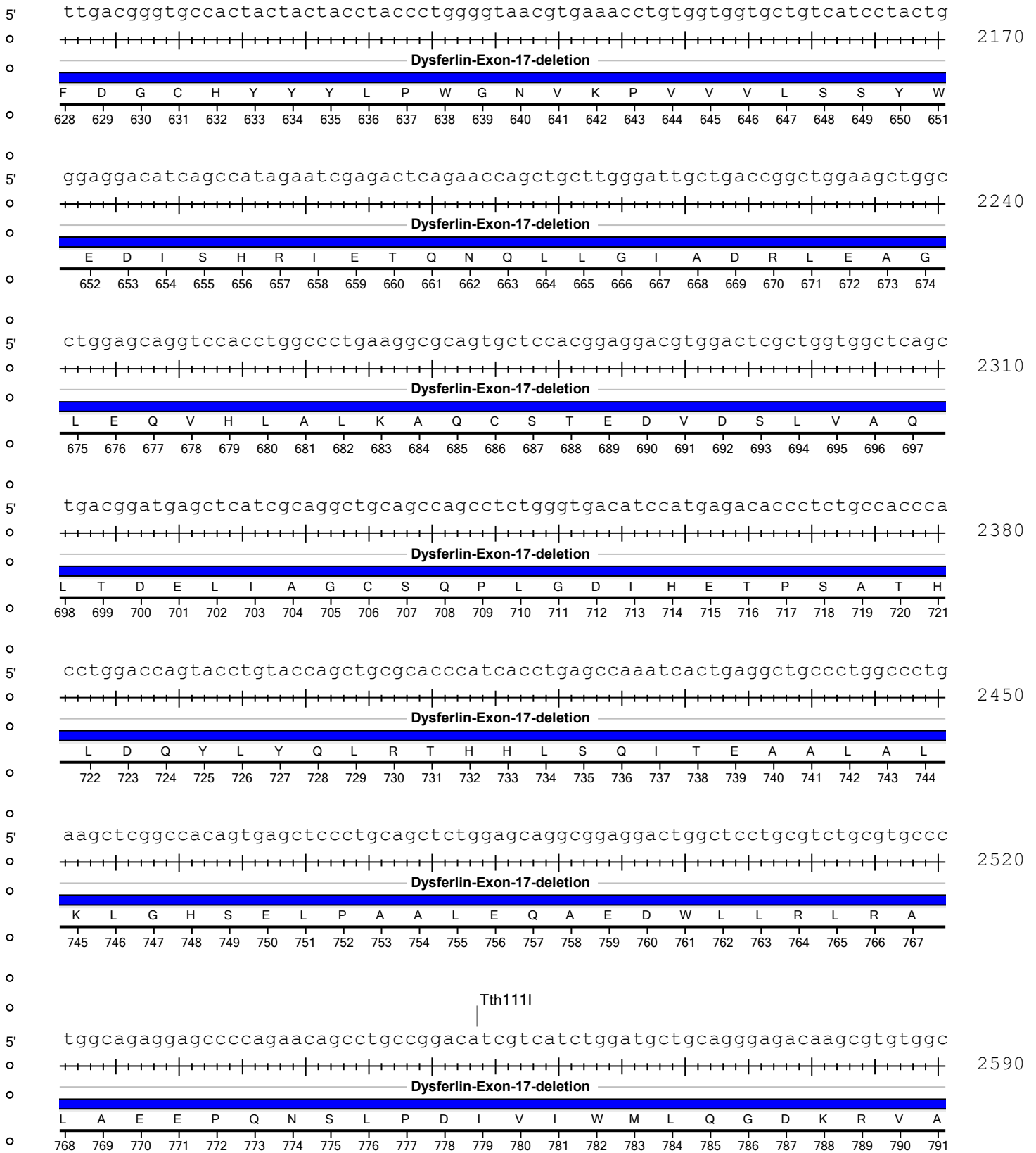
5' ggtgtggcttatcgtggccggcttctgctctccctggagaccaagctggtggagcacagtgaacagaagg 1890  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o G V A Y R G R L L L S L E T K L V E H S E Q K  
o 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557

5' tggaggaccttctgaggatgacatcctcgggtggagaagtaccttaggaggcgcaagtaactccctggt 1960  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o V E D L P A D D I L R V E K Y L R R R K Y S L F  
o 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581

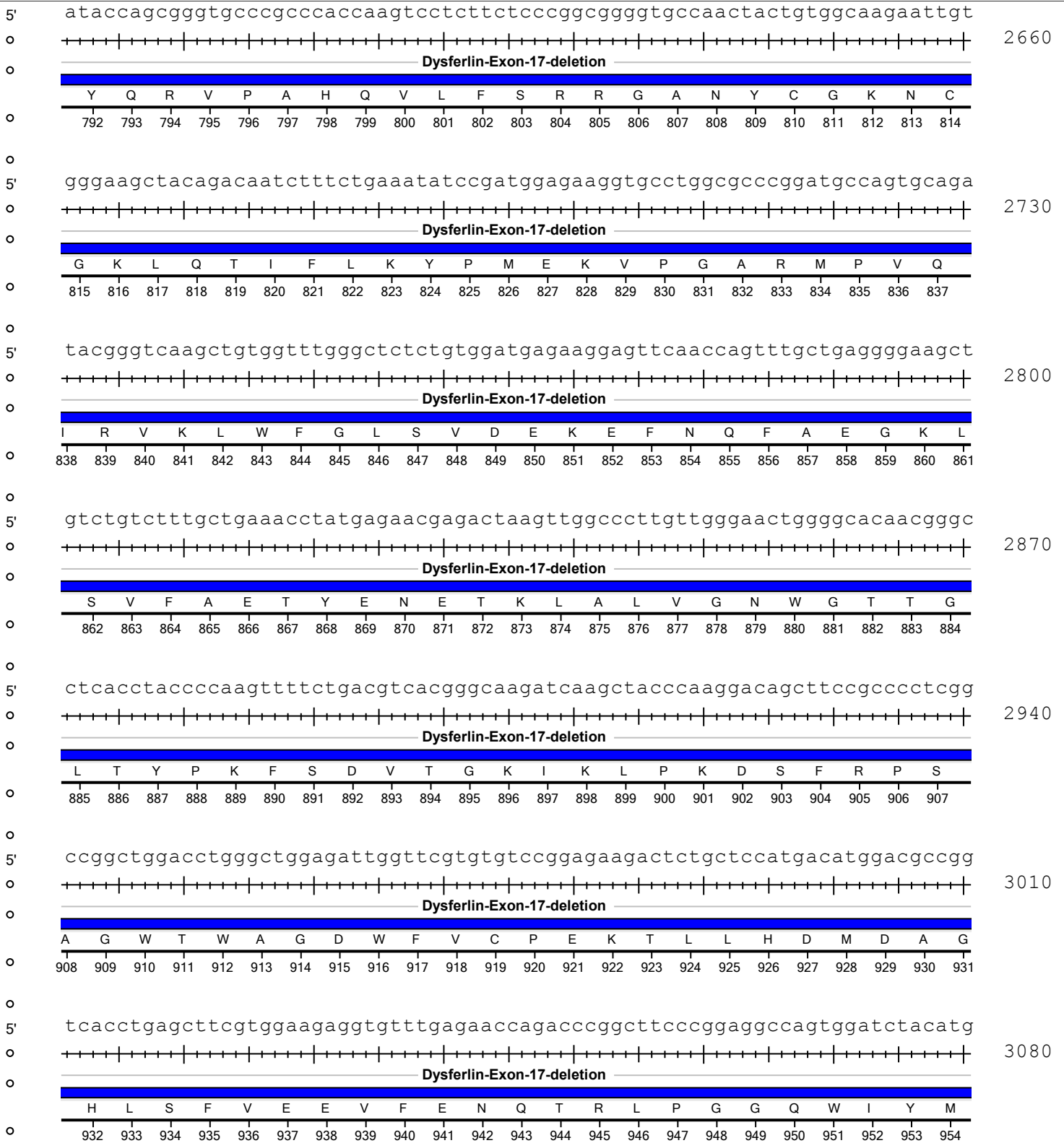
5' tgcggccttctactcagccaccatgctgcaggatgtggatgatgccatccagtttgaggtcagcatcggg 2030  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o A A F Y S A T M L Q D V D D A I Q F E V S I G  
o 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604

5' aactacgggaacaagttcgacatgacctgcctgccgctggcctccaccactcagtacagccgtgcagtct 2100  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o N Y G N K F D M T C L P L A S T T Q Y S R A V  
o 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627

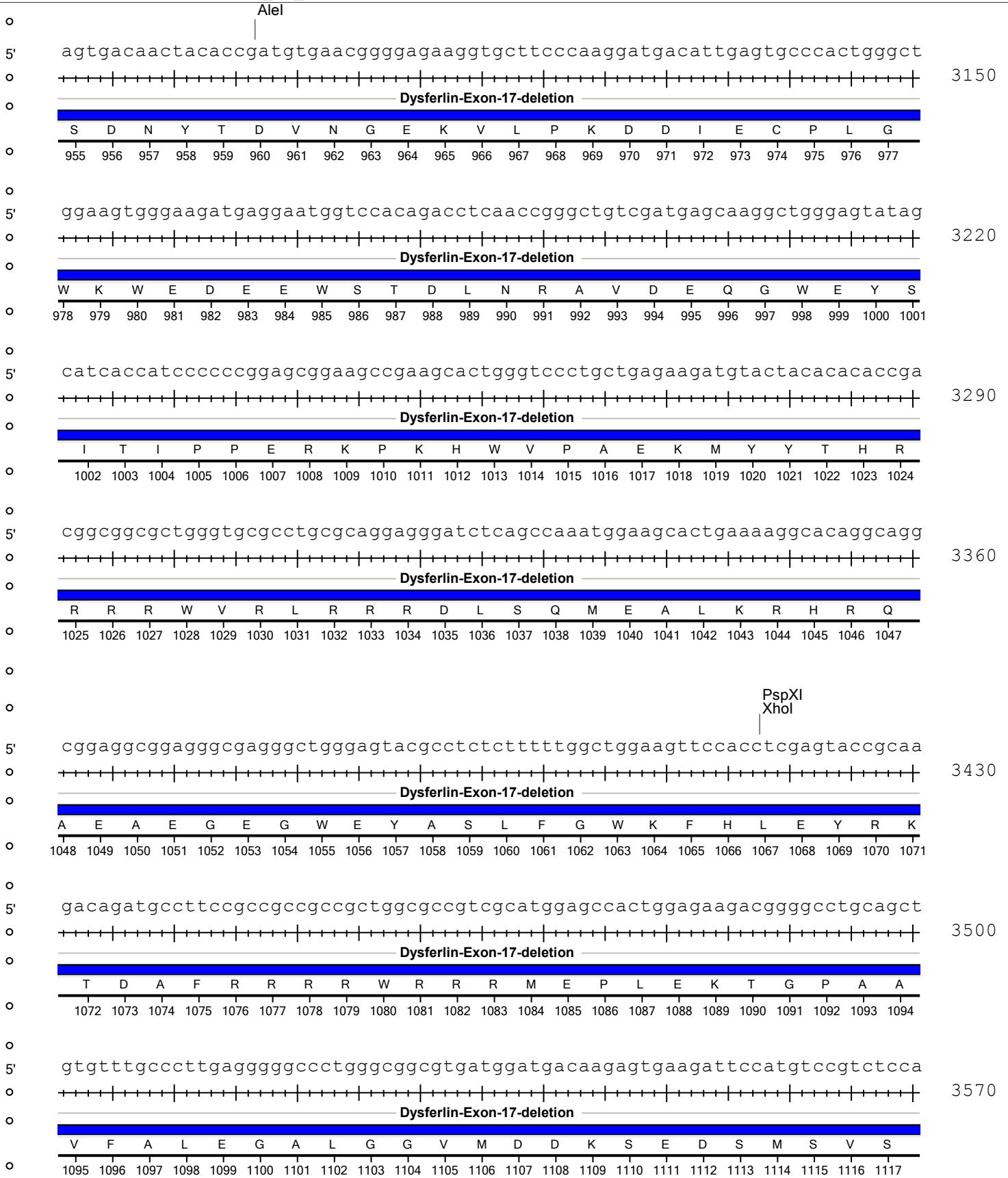
Dysferlin-Exon-17-deletion\_in\_pUC57-Kan



Dysferlin-Exon-17-deletion\_in\_pUC57-Kan

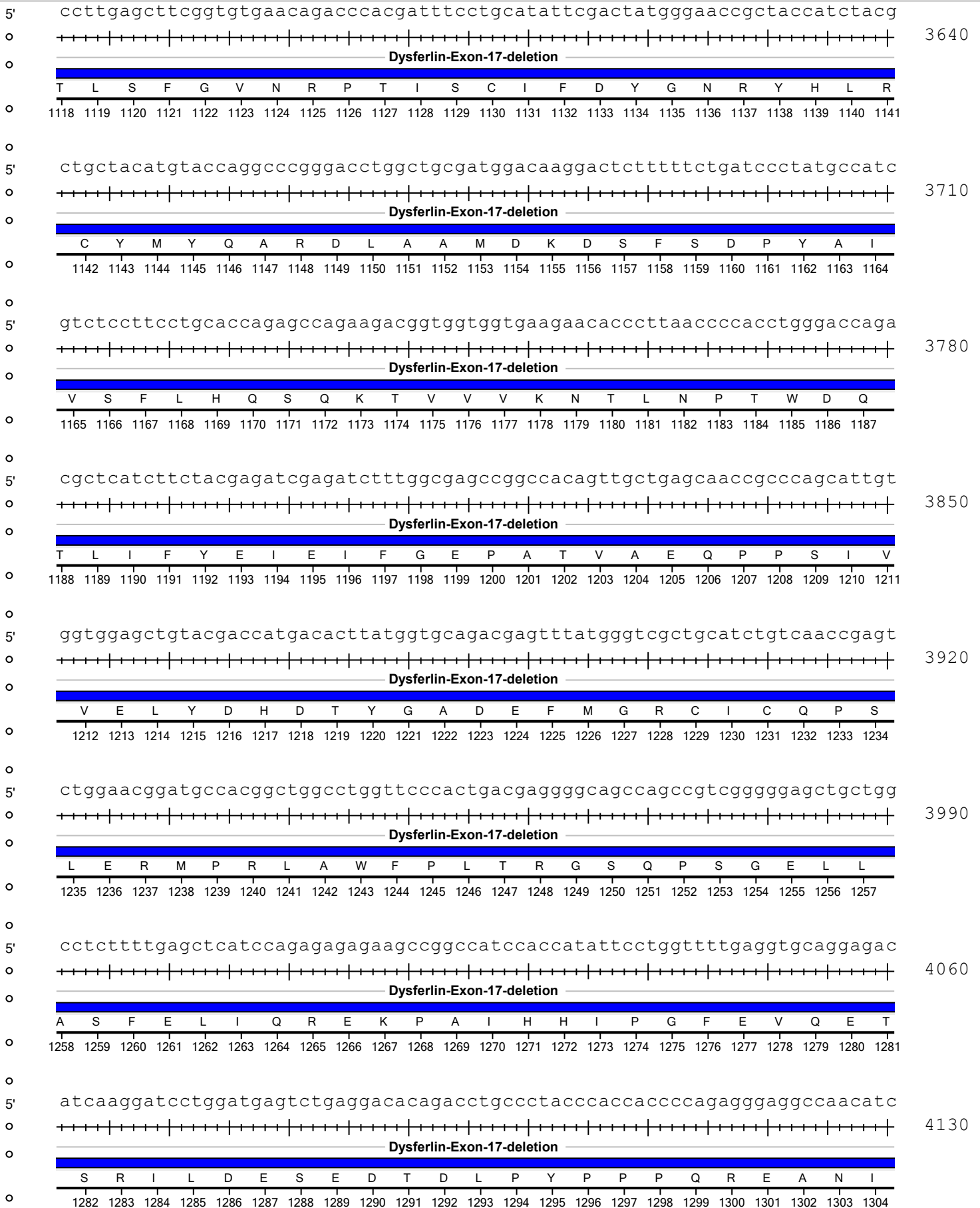


Dysferlin-Exon-17-deletion\_in\_pUC57-Kan





Dysferlin-Exon-17-deletion\_in\_pUC57-Kan



Dysferlin-Exon-17-deletion\_in\_pUC57-Kan

AfeI

5' tacatgggttctcagaacatcaagccagcgcctccagcgtaccgccatcgagatcctggcatggggcctgc 4200

+++++

Dysferlin-Exon-17-deletion

Y M V P Q N I K P A L Q R T A I E I L A W G 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' ggaacatgaagagttaccagctggccaacatctcctccccccagcctcgtggttagagtgtgggggcccagac 4270

+++++

Dysferlin-Exon-17-deletion

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

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' ggtgcagtcctgtgtcatcaggaacctccggaagaacccccaaactttgacatctgcaccctcttcatggaa 4340

+++++

Dysferlin-Exon-17-deletion

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

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

5' gtgatgctgcccaggaggagctctactgccccccatcaccggtcaaggctcatcgataaccgccagtttg 4410

+++++

Dysferlin-Exon-17-deletion

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

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

5' gccgccggcctgtggtgggcccagtgatccatccgctccctggagagcttctcgtgtgaccctactcggc 4480

+++++

Dysferlin-Exon-17-deletion

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

1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421

DrallI

5' ggagagtccatccccacaggggtggcccagacgatgtgagcctactcagtcctggggaagacgtgctcatc 4550

+++++

Dysferlin-Exon-17-deletion

E S P S P Q G G P D D V S L L S P G E D V L I

1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444

Alol'

Alol'

5' gacattgatgacaaggagccccctcatcccatccaggaggaagagttcatcgattggtggagcaaattct 4620

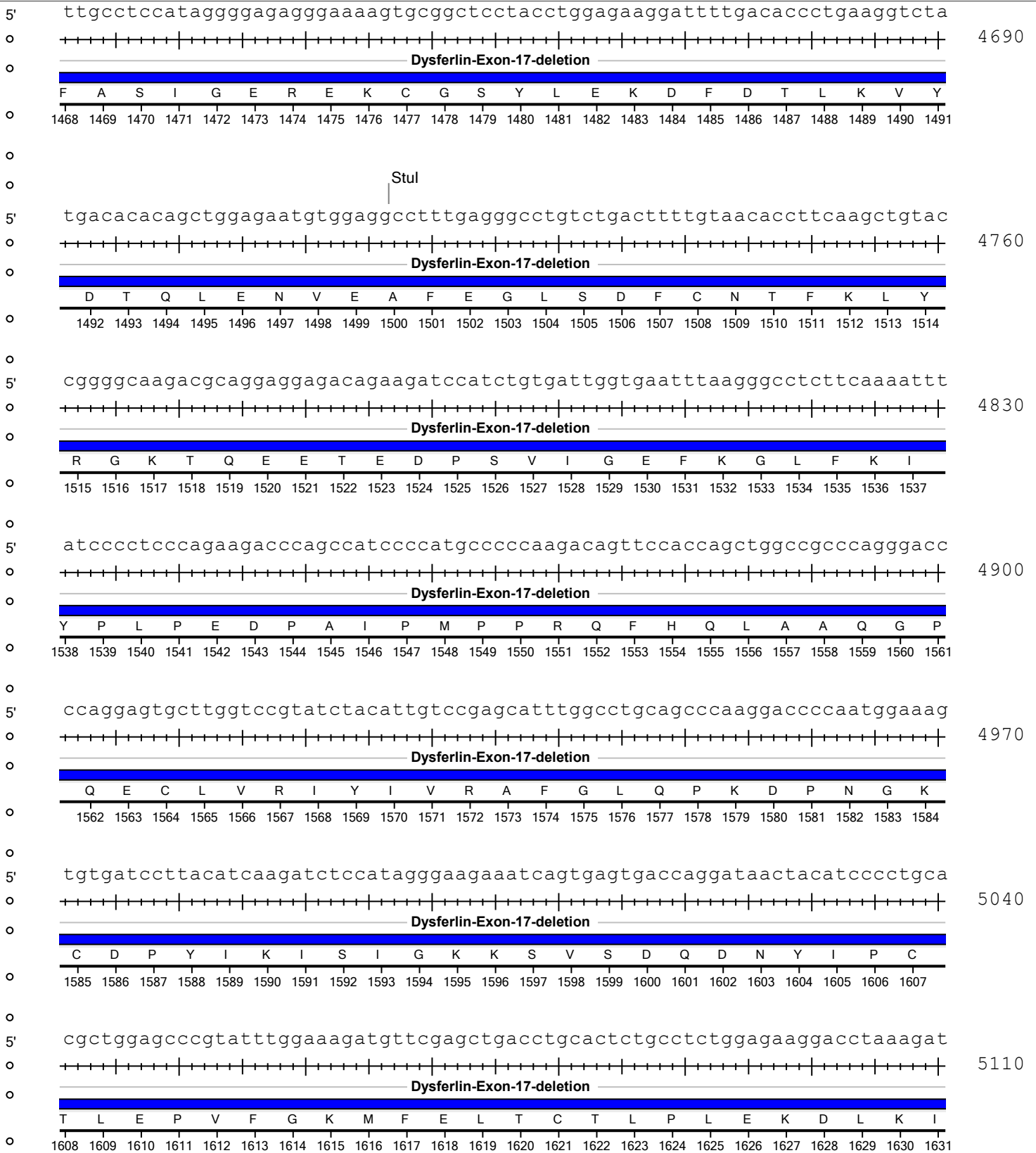
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Dysferlin-Exon-17-deletion

D I D D K E P L I P I Q E E E F I D W W S K F

1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467

Dysferlin-Exon-17-deletion\_in\_pUC57-Kan



Dysferlin-Exon-17-deletion\_in\_pUC57-Kan

5' cactctctatgactatgacctcctctccaaggacgaaaagatcggtgagacggtcgctcgacctggagaac 5180  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o T L Y D Y D L L S K D E K I G E T V V D L E N  
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' aggctgctgtccaagtttggggctcgtgtggactcccacagacctactgtgtctctggaccgaaccagt 5250  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o R L L S K F G A R C G L P Q T Y C V S G P N Q  
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' ggcgggaccagctccgcccctcccagctcctccacctcttctgccagcagcatagagtcaaggcacctgt 5320  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o W R D Q L R P S Q L L H L F C Q Q H R V K A P 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  
o  
o BaeI TstI

5' gtaccggacagaccgtgtaatgtttcaggataaagaatattccattgaagagatagaggctggcaggatc 5390  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o Y R T D R V M F Q D K E Y S I E E I E A G R I  
o 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724  
o  
o BaeI TstI

5' ccaaaccacacctgggccagtgaggagcgtctggctctgcatgtgcttcagcagcagggcctggctcc 5460  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o P N P H L G P V E E R L A L H V L Q Q Q G L V  
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' cggagcacgtggagtcacggccccctctacagccccctgcagccagacatcgagcaggggaagctgcagat 5530  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o P E H V E S R P L Y S P L Q P D I E Q G K L Q M  
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  
o  
o PmlI BsaAI

5' gtgggtcgacctatttccgaaggccctggggcgctggacctcccttcaacatcacccacggagagcc 5600  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o W V D L F P K A L G R P G P P F N I T P R R A  
o 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794

Dysferlin-Exon-17-deletion\_in\_pUC57-Kan

5' agaaggttttctcctgctgttattatctggaataccagagatgtgatcctggatgacctgagcctcacgg 5670  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o R R F F L R C I I W N T R D V I L D D L S L T  
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' gggagaagatgagcgcacatttatgtgaaaggttgatgattggctttgaagaacacaagcaaaagacaga 5740  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o G E K M S D I Y V K G W M I G F E E H K Q K T D  
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' cgtgcattatcgttccctgggaggtgaaggcaacttcaactggaggttcattttccccttcgactacctg 5810  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o V H Y R S L G G E G N F N W R F I F P F D Y L  
o 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864

5' ccagctgagcaagtctgtaccattgccagaaggatgccttctggaggctggacaagactgagagcaaaa 5880  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o P A E Q V C T I A K K D A F W R L D K T E S 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  
o  
o BsrDI

5' tcccagcacgagtgggtgttccagatctgggacaatgacaagttctcctttgatgattttctgggctcct 5950  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o I P A R V V F Q I W D N D K F S F D D F L G S L  
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' gcagctcgatctcaaccgcatgcccagccagccaagacagccaagaagtgctccttgaccagctggat 6020  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o Q L D L N R M P K P A K T A K K C S L D Q L D  
o 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934  
o  
o SphI

5' gatgctttccaccagaatggtttggtcccttttgagcagaaaaacagtgaagggctggtggccctgtg 6090  
o  
o  
o **Dysferlin-Exon-17-deletion**  
o D A F H P E W F V S L F E Q K T V K G W W P C  
o 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957

Dysferlin-Exon-17-deletion\_in\_pUC57-Kan

5' tagcagaagaggggtgagaagaaaatactggcgggcaagctggaatgaccttggagattgttagcagagag 6160  
 o  
 o  
 Dysferlin-Exon-17-deletion  
 V A E E G E K K I L A G K L E M T L E I V A E S  
 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' tgagcatgaggagcggcctgctggccagggccgggatgagcccaacatgaaccctaagcttgaggacca 6230  
 o  
 o  
 Dysferlin-Exon-17-deletion  
 E H E E R P A G Q G R D E P N M N P K L E D P  
 o 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

5' aggcgccccgacacctccttctgtggtttacctccccatacaagaccatgaagttcatcctgtggcggc 6300  
 o  
 o  
 Dysferlin-Exon-17-deletion  
 R R P D T S F L W F T S P Y K T M K F I L W R  
 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' gtttccgggtgggccatcatcctcttcatcctcttcatcctgctgctgttctctggccatcttcatcta 6370  
 o  
 o  
 Dysferlin-Exon-17-deletion  
 R F R W A I I L F I I L F I L L L F L A I F I Y  
 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

5' cgccttcccgaactatgctgccaatgaagctggtgaagccttcagctgatgatcaccatggcatatggct 6440  
 o  
 o  
 Dysferlin-Exon-17-deletion  
 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

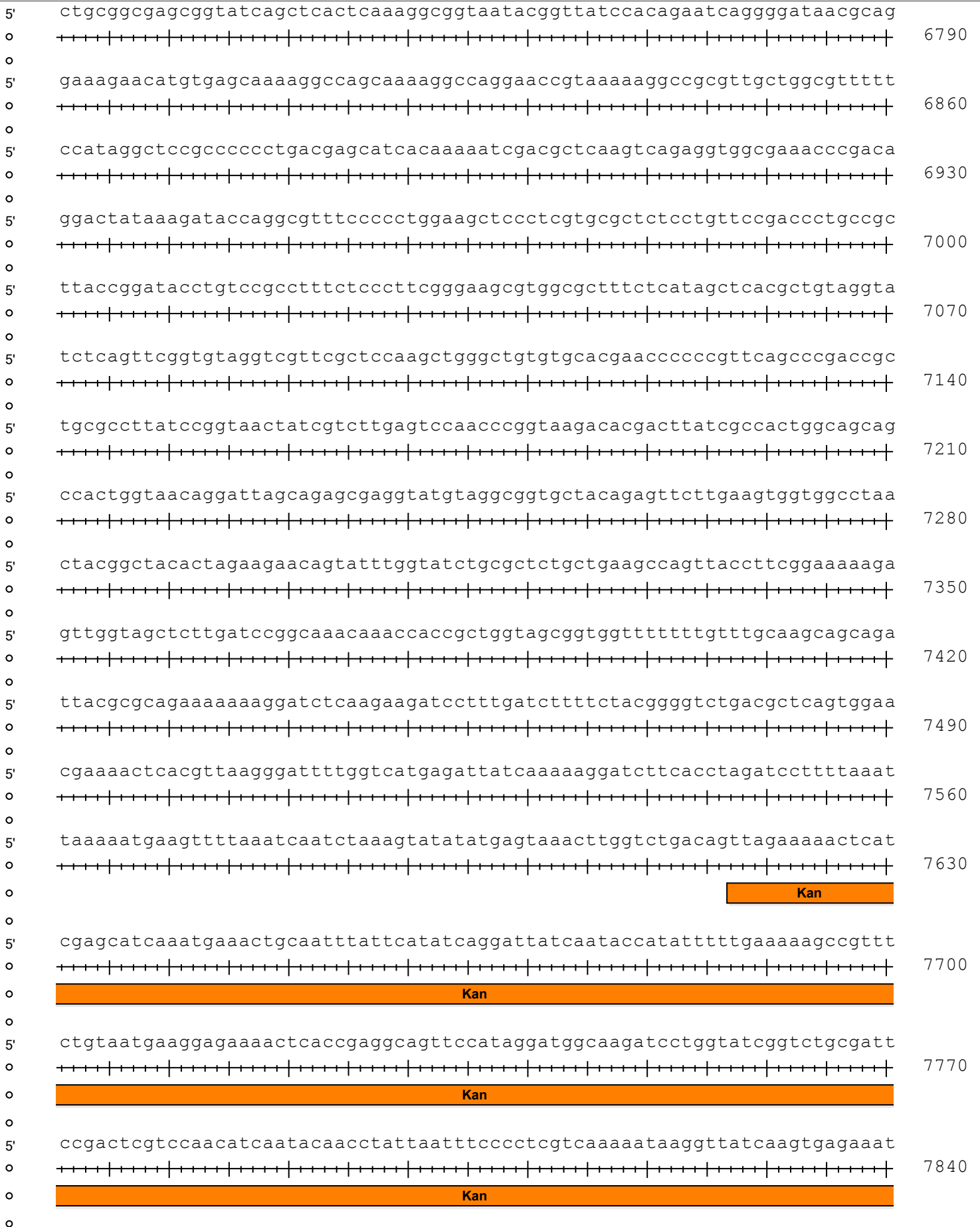
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 o  
 o  
 BmtI NotI

5' cgagccggaagcataaagtgtaaagcctggggtgccctaatgagtgagctaaactcacattaattgcgttgc 6580  
 o  
 o

5' gctcactgcccgctttccagtcgggaaacctgtcgtgccagctgcattaatgaatcggccaacgcgcggg 6650  
 o  
 o

5' gagaggcggttgcgtattgggcgctcttccgcttctcgtcactgactcgtcgcgtcggtcgttcgg 6720  
 o  
 o  
 SapI

Dysferlin-Exon-17-deletion\_in\_pUC57-Kan



Dysferlin-Exon-17-deletion\_in\_pUC57-Kan

