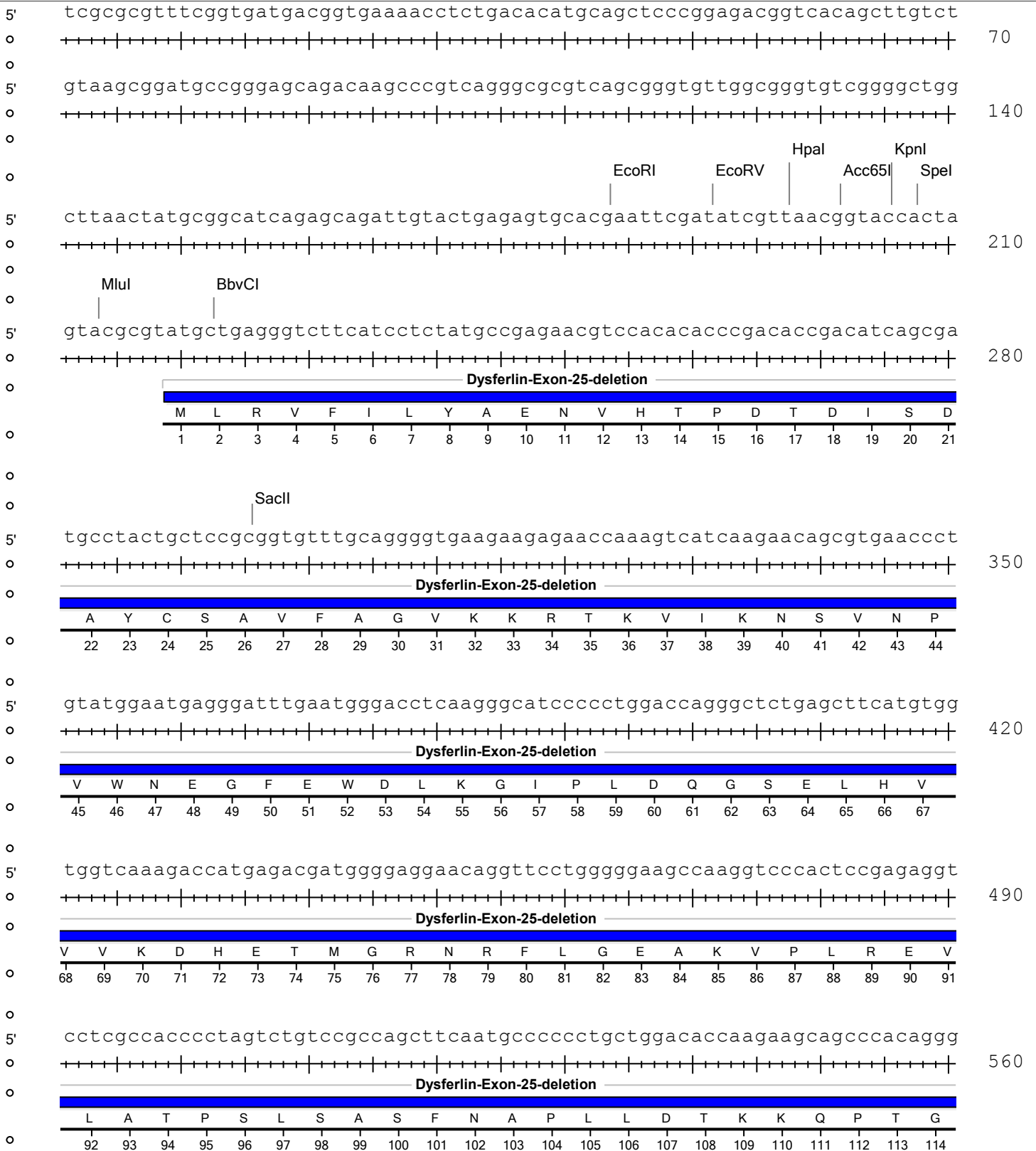
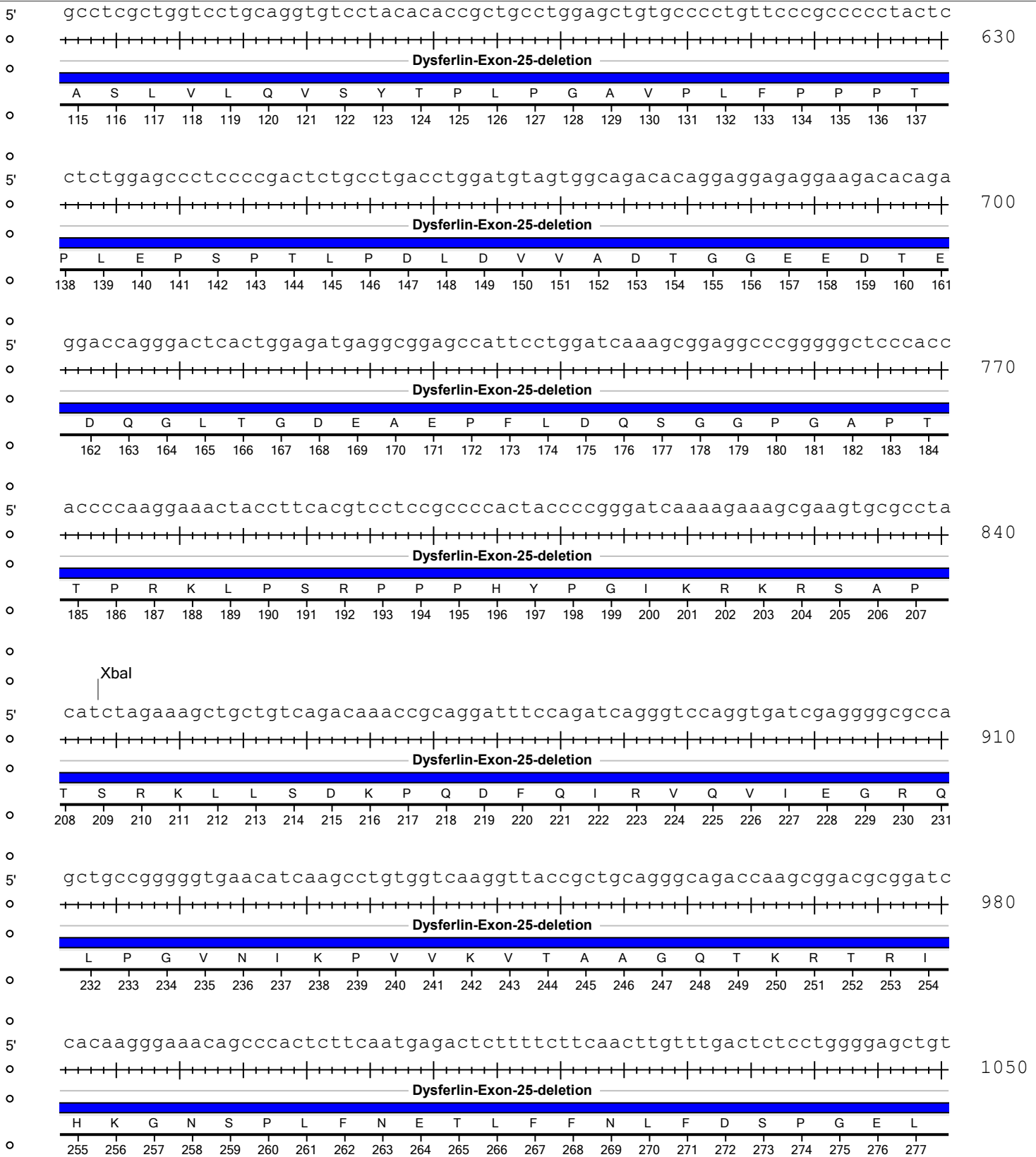


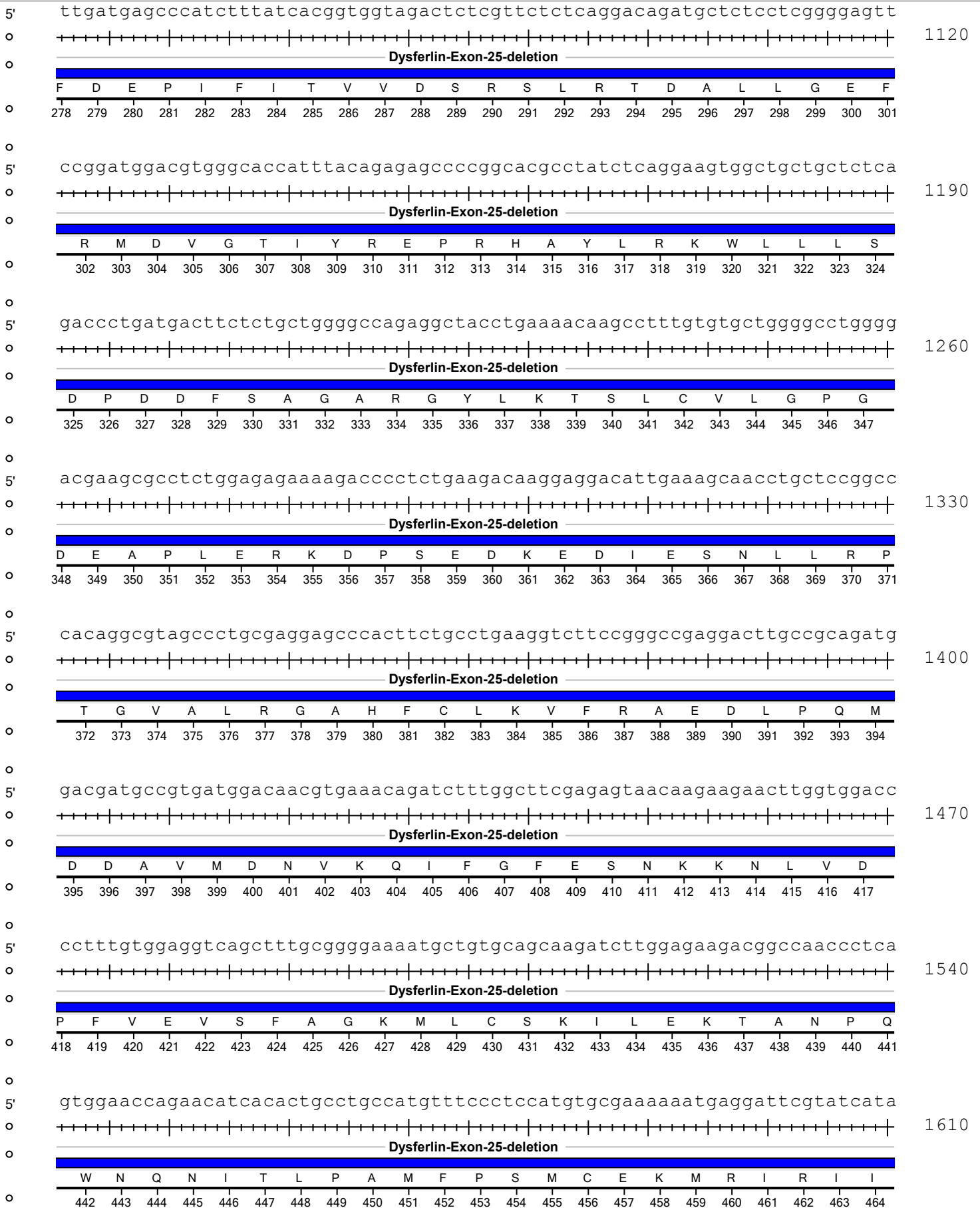
Dysferlin-Exon-25-deletion\_in\_pUC57-Kan



Dysferlin-Exon-25-deletion\_in\_pUC57-Kan

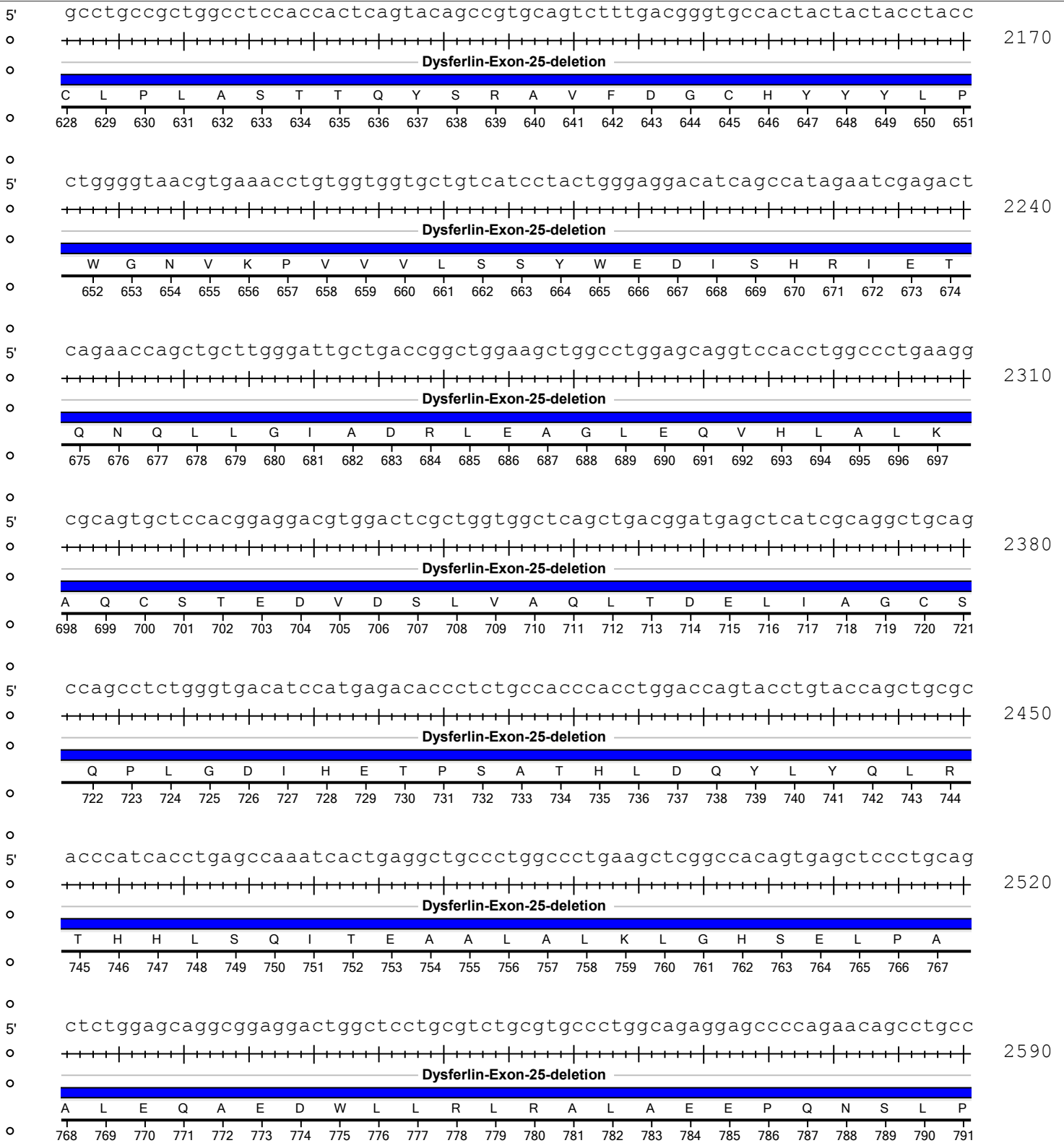


Dysferlin-Exon-25-deletion\_in\_pUC57-Kan

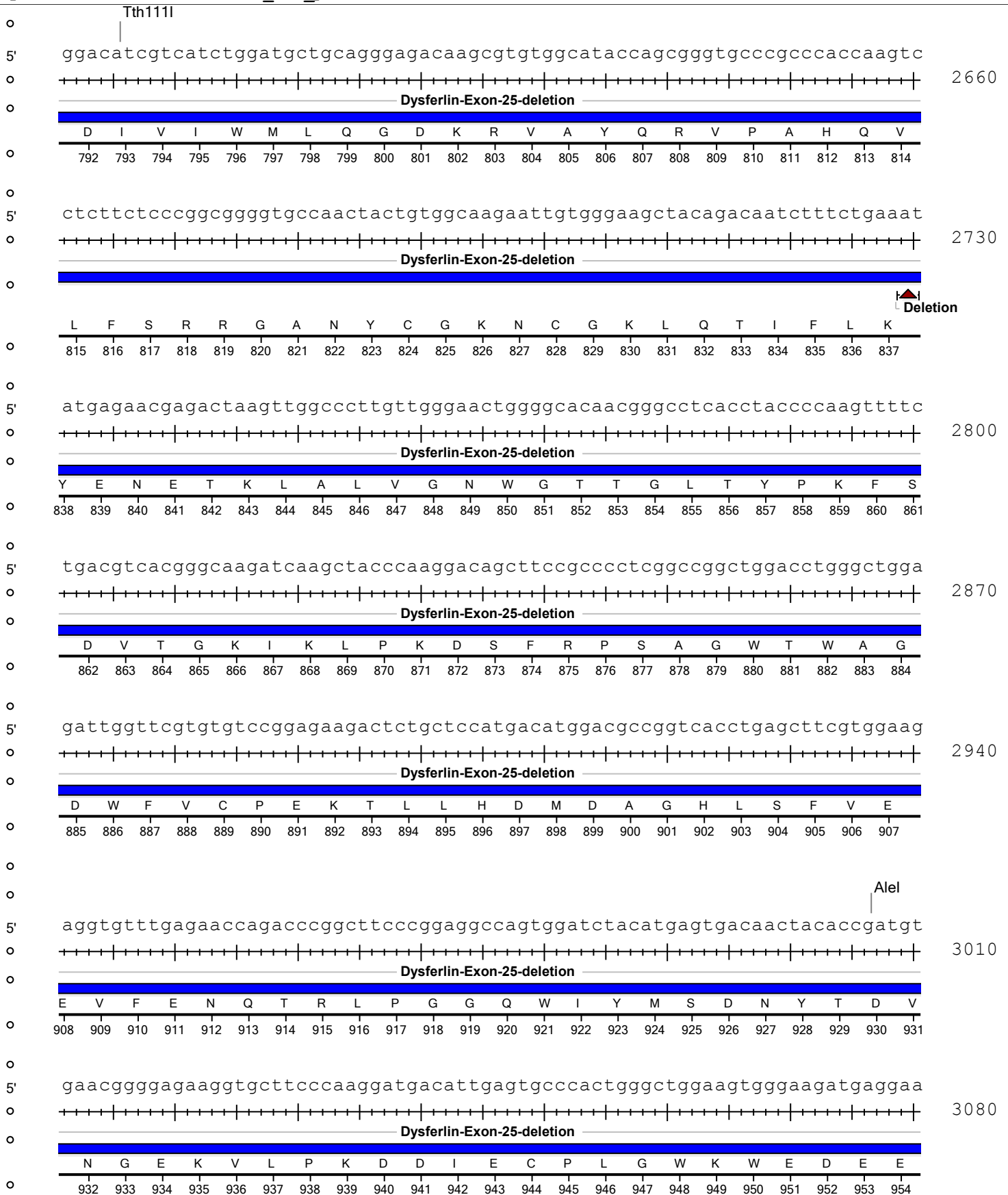




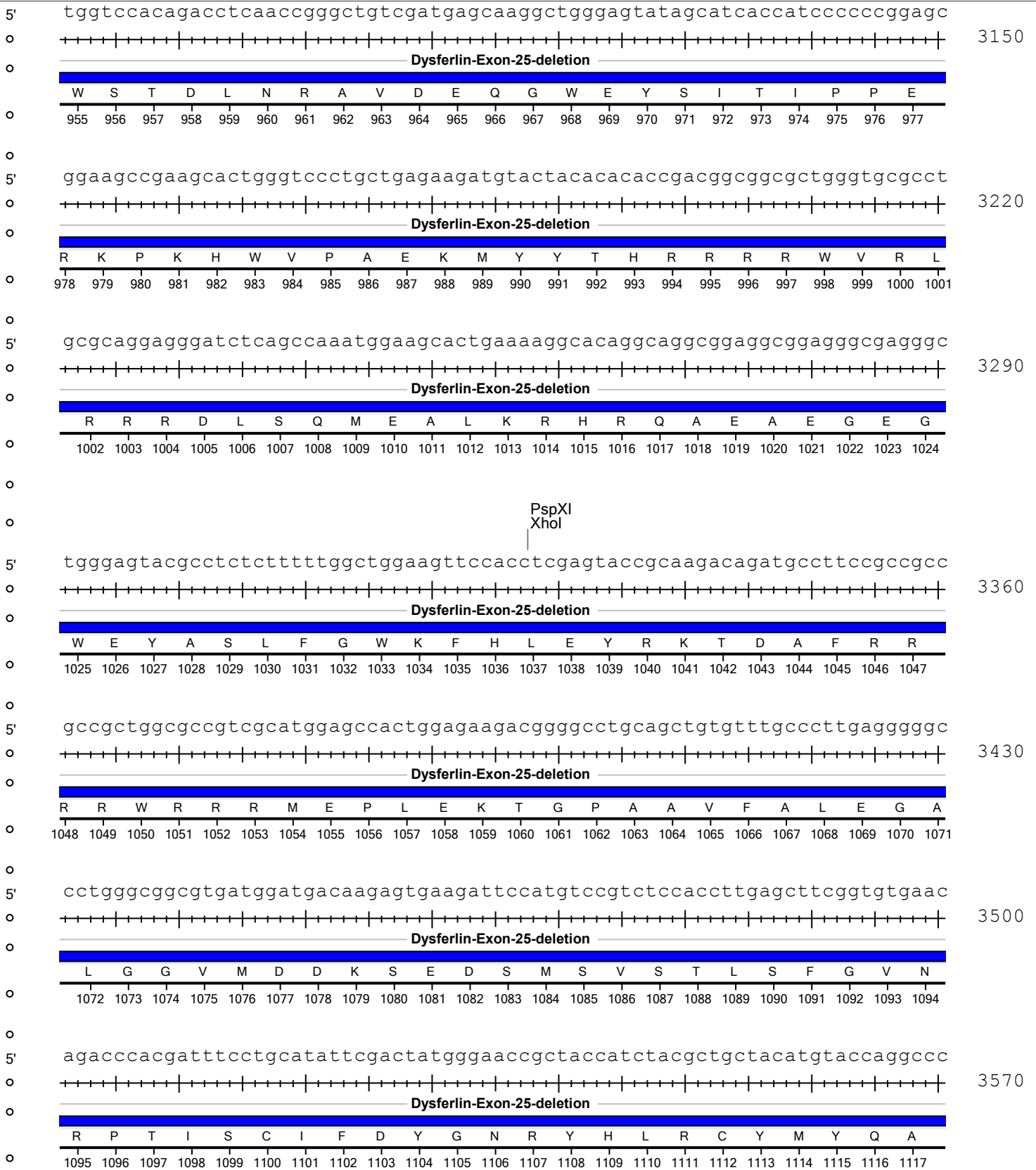
Dysferlin-Exon-25-deletion\_in\_pUC57-Kan



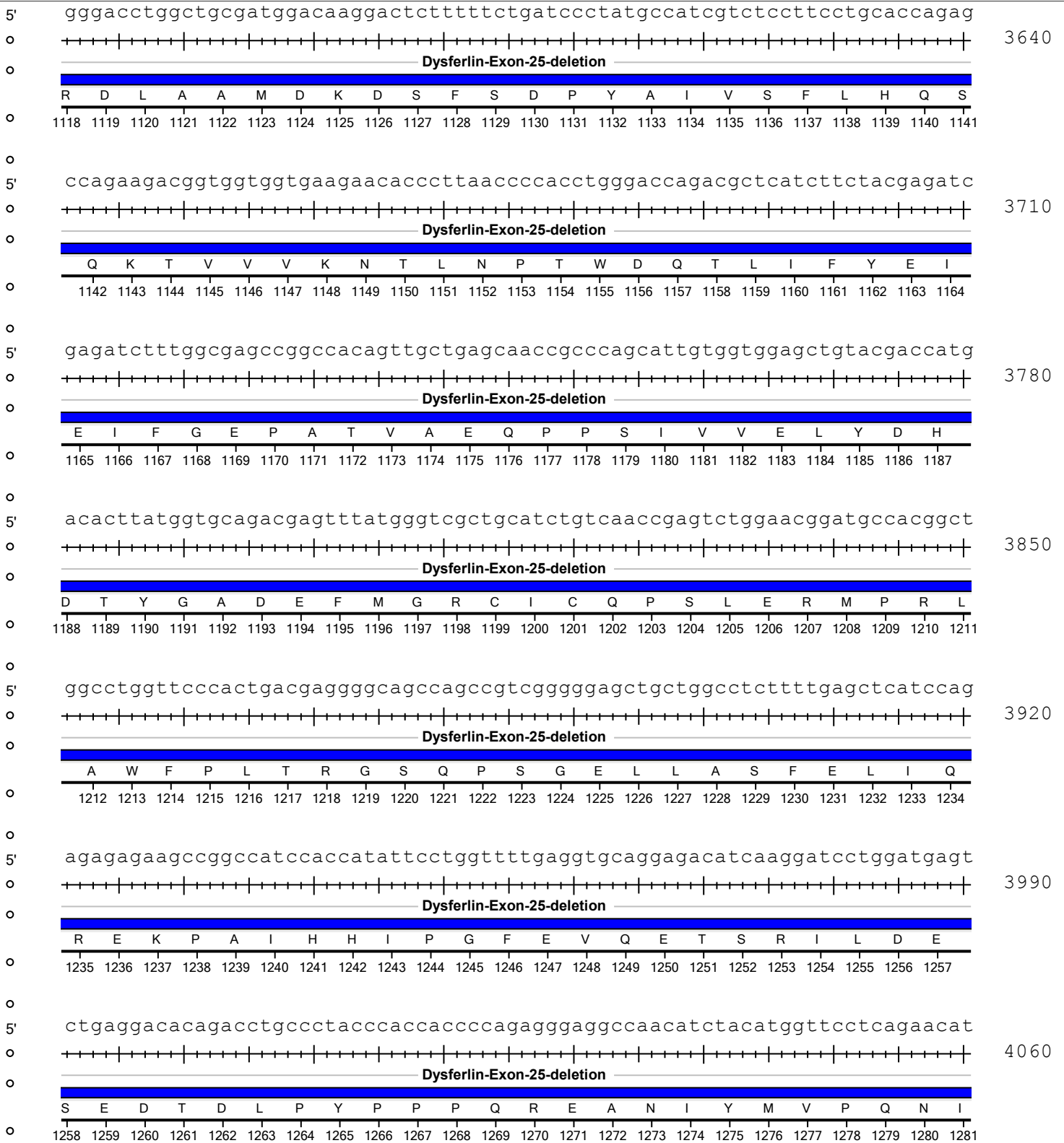
Dysferlin-Exon-25-deletion\_in\_pUC57-Kan



Dysferlin-Exon-25-deletion\_in\_pUC57-Kan



Dysferlin-Exon-25-deletion\_in\_pUC57-Kan



Dysferlin-Exon-25-deletion\_in\_pUC57-Kan

o  
o  
5' caagccagcgcctccagcgtaccgccatcgagatcctggcatggggcctgcggaacatgaagagttaccag 4130  
o  
o  
o **Dysferlin-Exon-25-deletion**  
o  
K P A L Q R T A I E I L A W G L R N M K S Y Q  
o  
1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304

o  
5' ctggccaacatctcctccccagcctcgtggtagagtgtggggccagacggtgcagtcctgtgtcatca 4200  
o  
o  
o **Dysferlin-Exon-25-deletion**  
o  
L A N I S S P S L V V E C G G Q T V Q S C V I  
o  
1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327

o  
5' ggaacctccggaagaaccccaactttgacatctgcaccctcttcatggaagtgatgctgcccagggagga 4270  
o  
o  
o **Dysferlin-Exon-25-deletion**  
o  
R N L R K N P N F D I C T L F M E V M L P R E E  
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

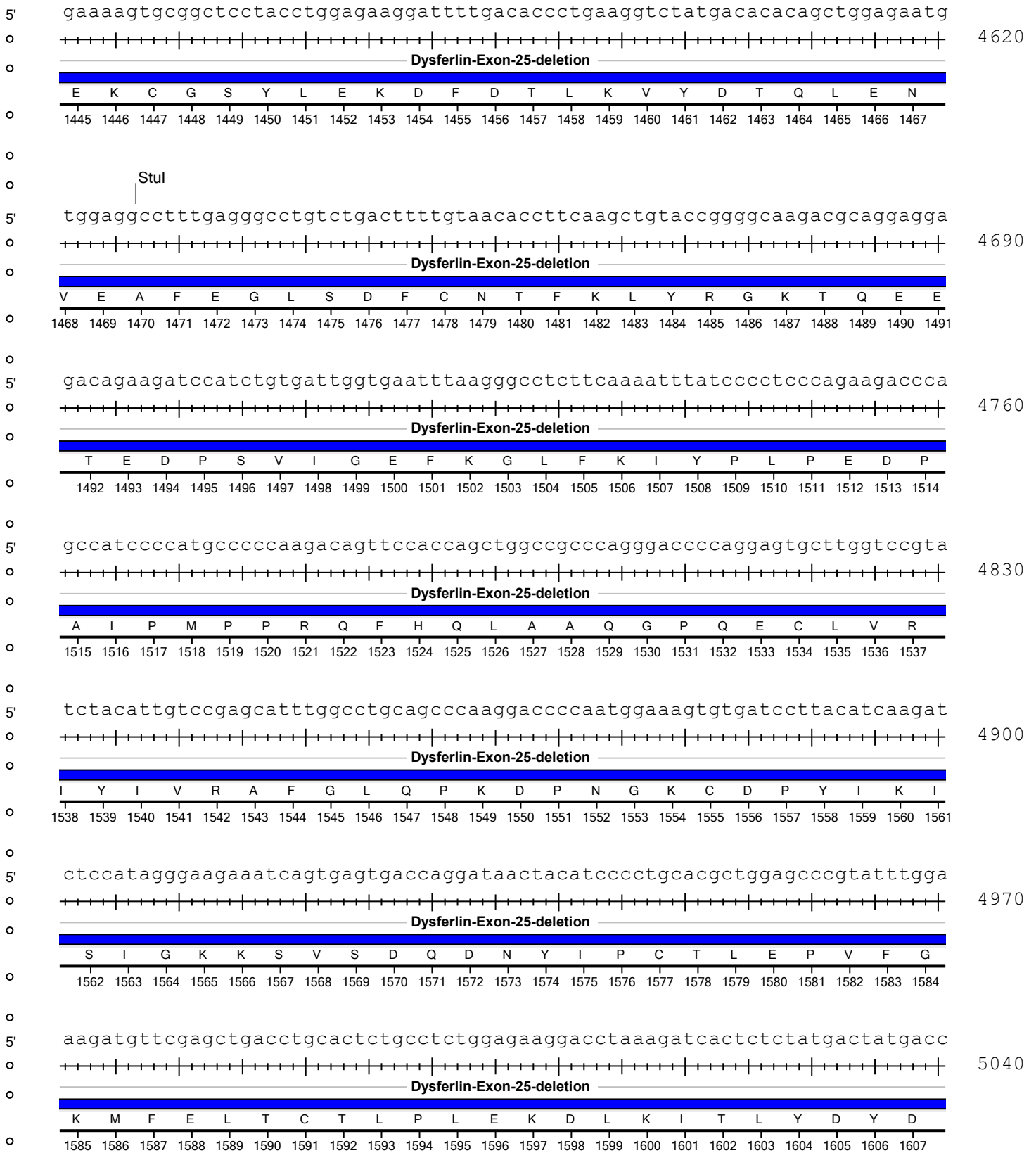
o  
5' gctctactgccccccatcacgcgtcaaggtcatcgataaccgccagtttgccgcccggcctgtgggtgggg 4340  
o  
o  
o **Dysferlin-Exon-25-deletion**  
o  
L Y C P P I T V K V I D N R Q F G R R P V V G  
o  
1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374

o  
5' cagtgtaccatccgctccttgagagcttcctgtgtgaccctactcggcggagagtccatccccacagg 4410  
o  
o  
o **Dysferlin-Exon-25-deletion**  
o  
Q C T I R S L E S F L C D P Y S A E S P S P Q  
o  
1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397

o  
o  
o Dralll  
5' gtggcccagacgatgtgagcctactcagtcctggggaagacgtgctcatcgacattgatgacaaggagcc 4480  
o  
o  
o **Dysferlin-Exon-25-deletion**  
o  
G G P D D V S L L S P G E D V L I D I D D K E P  
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

o  
o  
o Alol' Alol'  
5' cctcatccccatccaggaggaagagttcatcgattgggtggagcaaattctttgcctccataggggagagg 4550  
o  
o  
o **Dysferlin-Exon-25-deletion**  
o  
L I P I Q E E E F I D W W S K F F A S I G E R  
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-25-deletion\_in\_pUC57-Kan



Dysferlin-Exon-25-deletion\_in\_pUC57-Kan

5' tcctctccaaggacgaaaagatcggtgagacggctcgtcgacctggagaacaggctgctgtccaagtttgg 5110  
 ○  
 ○  
 Dysferlin-Exon-25-deletion  
 L L S K D E K I G E T V V D L E N R L L S K F G  
 ○ 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' ggctcgtgtggactcccacagacctactgtgtctctggaccgaaccagtggcgggaccagctccgcccc 5180  
 ○  
 ○  
 Dysferlin-Exon-25-deletion  
 A R C G L P Q T Y C V S G P N Q W R D Q L R P  
 ○ 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654

○  
 ○  
 BaeI TstI' BaeI'  
 5' tcccagctcctccacctcttctgccagcagcatagagtcaaggcacctgtgtaccggacagaccgtgtaa 5250  
 ○  
 ○  
 Dysferlin-Exon-25-deletion  
 S Q L L H L F C Q Q H R V K A P V Y R T D R V  
 ○ 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677

○  
 ○  
 TstI  
 5' tgtttcaggataaagaatattccattgaagagatagaggctggcaggatcccaaaccacacctgggccc 5320  
 ○  
 ○  
 Dysferlin-Exon-25-deletion  
 M F Q D K E Y S I E E I E A G R I P N P H L G P  
 ○ 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701

○  
 ○  
 PmlI BsaAI  
 5' agtggaggagcgtcttgctctgcatgtgcttcagcagcaggcctgggtcccggagcacgtggagtcacgg 5390  
 ○  
 ○  
 Dysferlin-Exon-25-deletion  
 V E E R L A L H V L Q Q Q G L V P E H V E S R  
 ○ 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724

5' ccctctacagccccctgcagccagacatcgagcaggggaagctgcagatgtgggtcgacctatttccga 5460  
 ○  
 ○  
 Dysferlin-Exon-25-deletion  
 P L Y S P L Q P D I E Q G K L Q M W V D L F P  
 ○ 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747

5' aggcctgggggcggcctggacctcccttcaacatcacccacggagagccagaaggtttttcctgcgttg 5530  
 ○  
 ○  
 Dysferlin-Exon-25-deletion  
 K A L G R P G P P F N I T P R R A R R F F L R C  
 ○ 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-25-deletion\_in\_pUC57-Kan

5' tattatctggaataccagagatgtgatcctggatgacctgagcctcacgggggagaagatgagcgacatt 5600  
o  
o  
Dysferlin-Exon-25-deletion  
I I W N T R D V I L D D L S L T G E K M S D I  
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' tatgtgaaaggttggatgattggctttgaagaacacaagcaaaagacagacgtgcattatcgttccttgg 5670  
o  
o  
Dysferlin-Exon-25-deletion  
Y V K G W M I G F E E H K Q K T D V H Y R S L  
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' gaggtgaaggcaacttcaactggaggttcattttccccttcgactacctgccagctgagcaagtctgtac 5740  
o  
o  
Dysferlin-Exon-25-deletion  
G G E G N F N W R F I F P F D Y L P A E Q V C T  
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

BsrDI  
5' cattgccaaagaaggatgccttctggaggctggacaagactgagagcaaaatcccagcagcagtggtgttc 5810  
o  
o  
Dysferlin-Exon-25-deletion  
I A K K D A F W R L D K T E S K I P A R V V 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

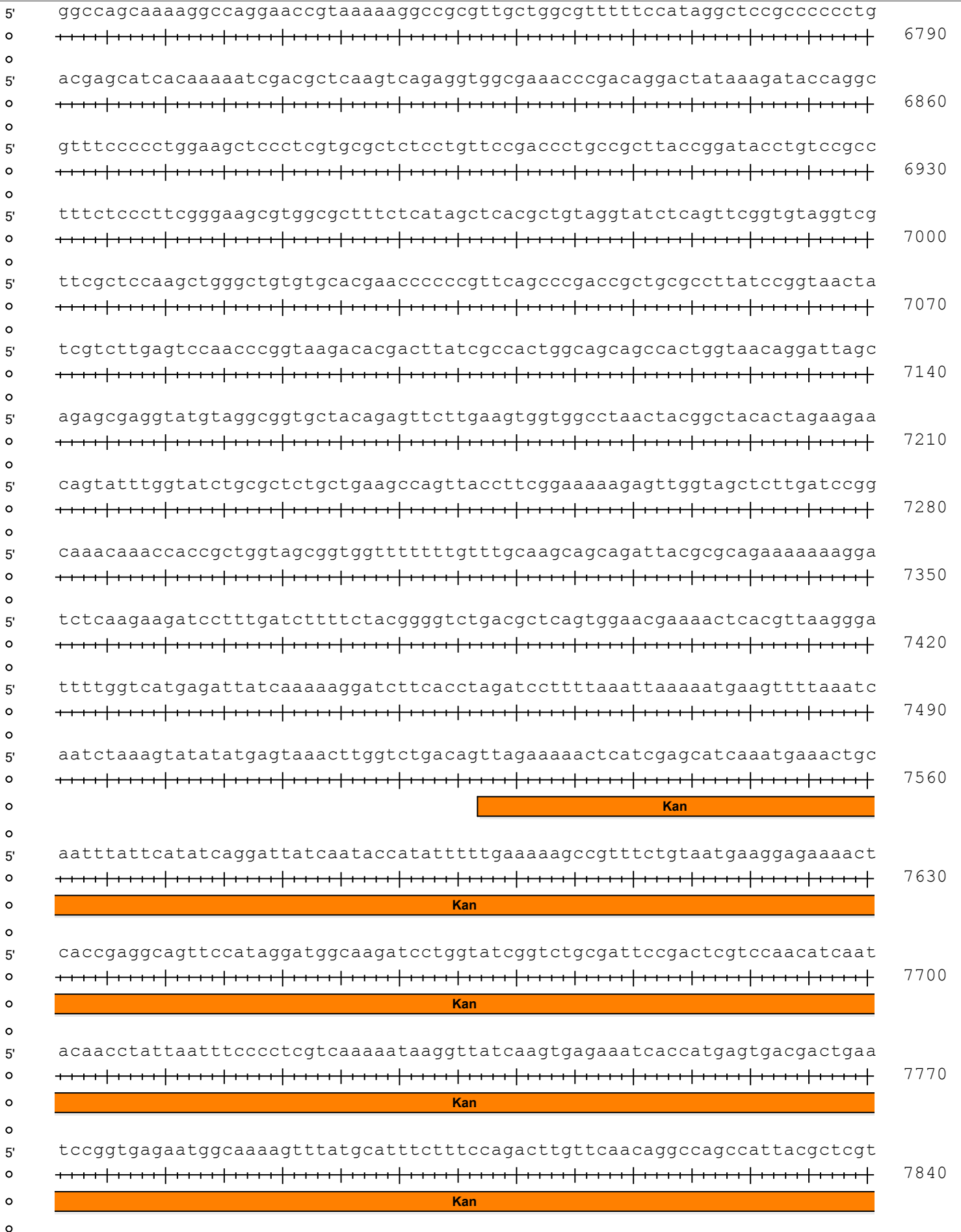
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o  
o  
Dysferlin-Exon-25-deletion  
Q I W D N D K F S F D D F L G S L Q L D L N R  
o 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887

SphI  
5' tgcccaagccagccaagacagccaagaagtgctccttggaccagctggatgatgctttccaccagaatg 5950  
o  
o  
Dysferlin-Exon-25-deletion  
M P K P A K T A K K C S L D Q L D D A F H P E W  
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' gtttgtgtccctttttgagcagaaaacagtgaagggctgggtggccctgtgtagcagaagaggggtgagaag 6020  
o  
o  
Dysferlin-Exon-25-deletion  
F V S L F E Q K T V K G W W P C V A E E G E K  
o 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934



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Dysferlin-Exon-25-deletion\_in\_pUC57-Kan

