

2

5' gctcgcgtggtcctgacaggtgtcctacacacgcctgacctgtagtgcacctgttcccgccccctactc
o
o
Dysferlin-Exon-14-deletion
A S L V L Q V S Y T P L P G A V P L F P P P T
115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137

5' ctctggagaccctccccgactctgacctgacctggatgtagtggcagacacaggaggagaggaagacacaga
o
o
Dysferlin-Exon-14-deletion
P L E P S P T L P D L D V V A D T G G E E D T E
138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161

5' ggaccagggactcaactggagatgaggcggagccattcctggatcaaagcggaggcccgggggctcccacc
o
o
Dysferlin-Exon-14-deletion
D Q G L T G D E A E P F L D Q S G G P G A P T
162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184

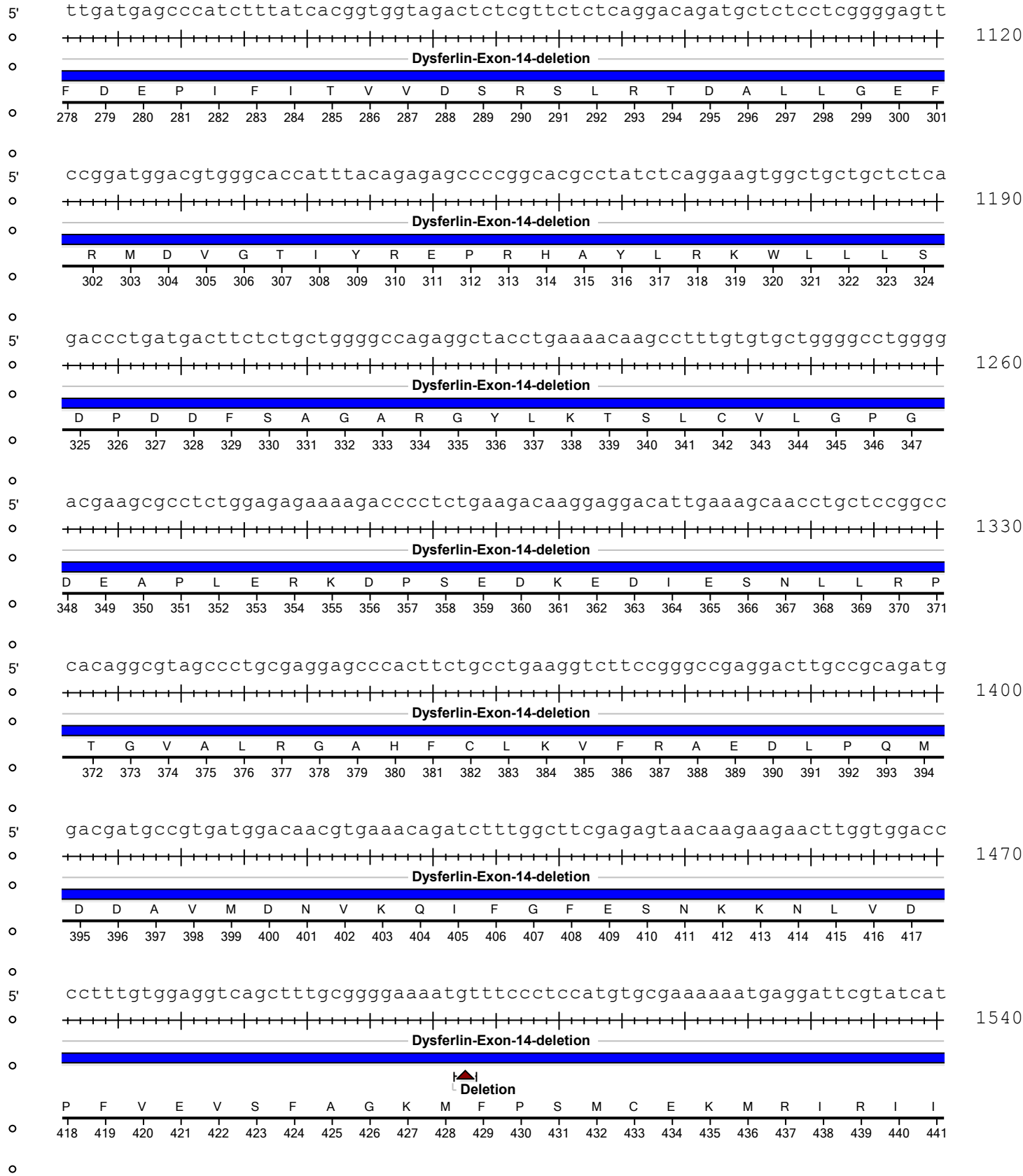
5' accccaaggaaactaccttcacgtcctccgcccccactaccccgggatcaaagaaaagcgaagtgcgccta
o
o
Dysferlin-Exon-14-deletion
T P R K L P S R P P P H Y P G I K R K R S A P
185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207

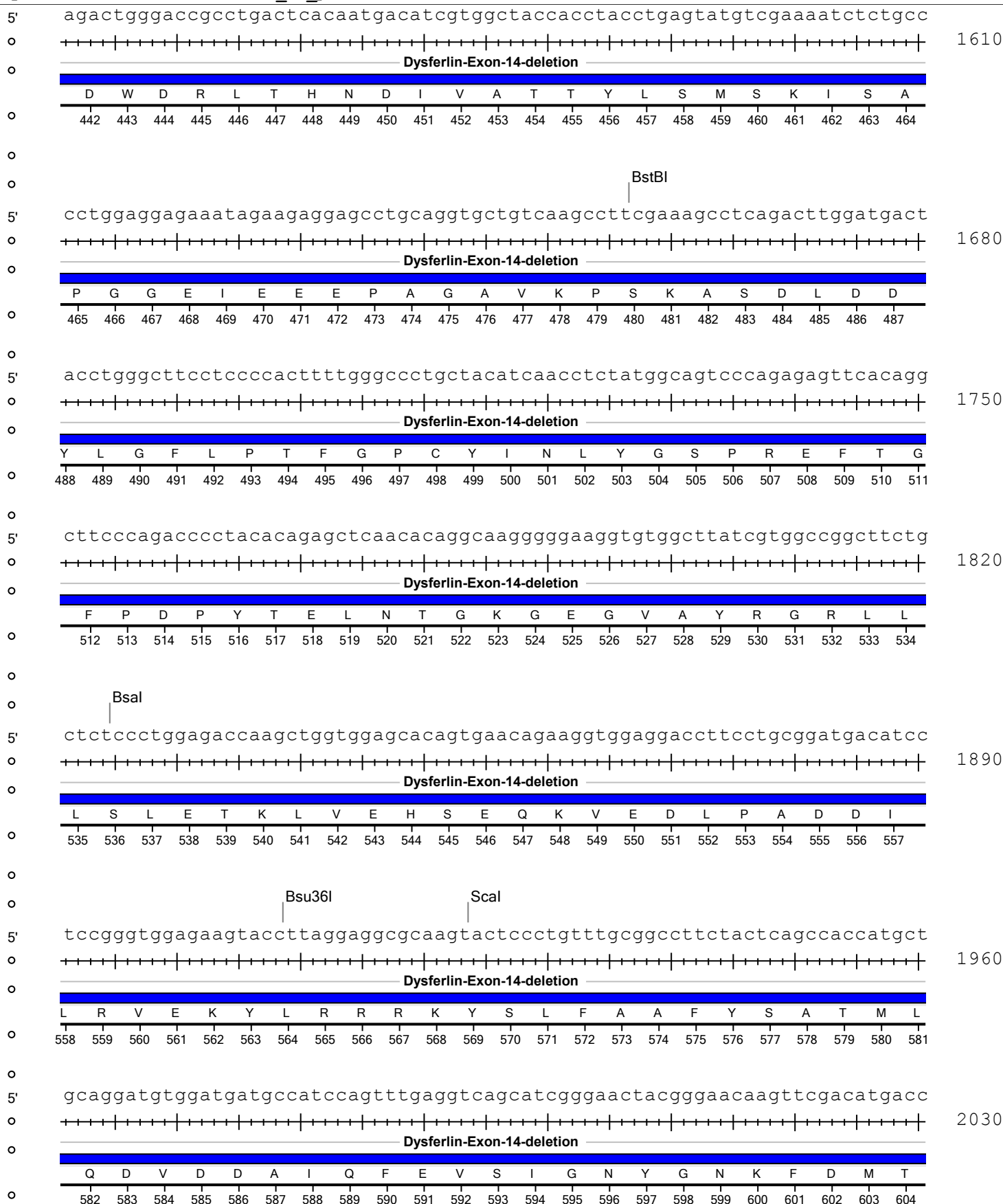
XbaI
5' catctagaaaagctgctgtcagacaaaccgcaggattttccagatcagggtccaggatgatcgaggggcgcca
o
o
Dysferlin-Exon-14-deletion
T S R K L L S D K P Q D F Q I R V Q V I E G R Q
208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231

5' gctgccgggggtgaacatcaagcctgtggtcaaggttaccgctgcagggcagaccaagcggacgcggatc
o
o
Dysferlin-Exon-14-deletion
L P G V N I K P V V K V T A A G Q T K R T R I
232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254

5' cacaagggaacagcccactcttcaatgagactcttttcttcaacttggttgactctcctggggagctgt
o
o
Dysferlin-Exon-14-deletion
H K G N S P L F N E T L F F N L F D S P G E L
255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277

Dysferlin-Exon-14-deletion_in_pUC57-Kan



Dysferlin-Exon-14-deletion_in_pUC57-Kan

5' tgcctgcccgtggcctccaccactcagtcacgccgtgcagtcttttgacgggtgccactactactacctac
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-14-deletion
C L P L A S T T Q Y S R A V F D G C H Y Y Y L
605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627

5' cctggggtaacgtgaaacctgtggtgggtgctgtcatcctactgggaggacatcagccatagaatcgagac
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-14-deletion
P W G N V K P V V V L S S Y W E D I S H R I E T
628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651

5' tcagaaccagctgcttgggattgctgaccggctggaagctggcctggagcaggtccacctggccctgaag
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-14-deletion
Q N Q L L G I A D R L E A G L E Q V H L A L K
652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674

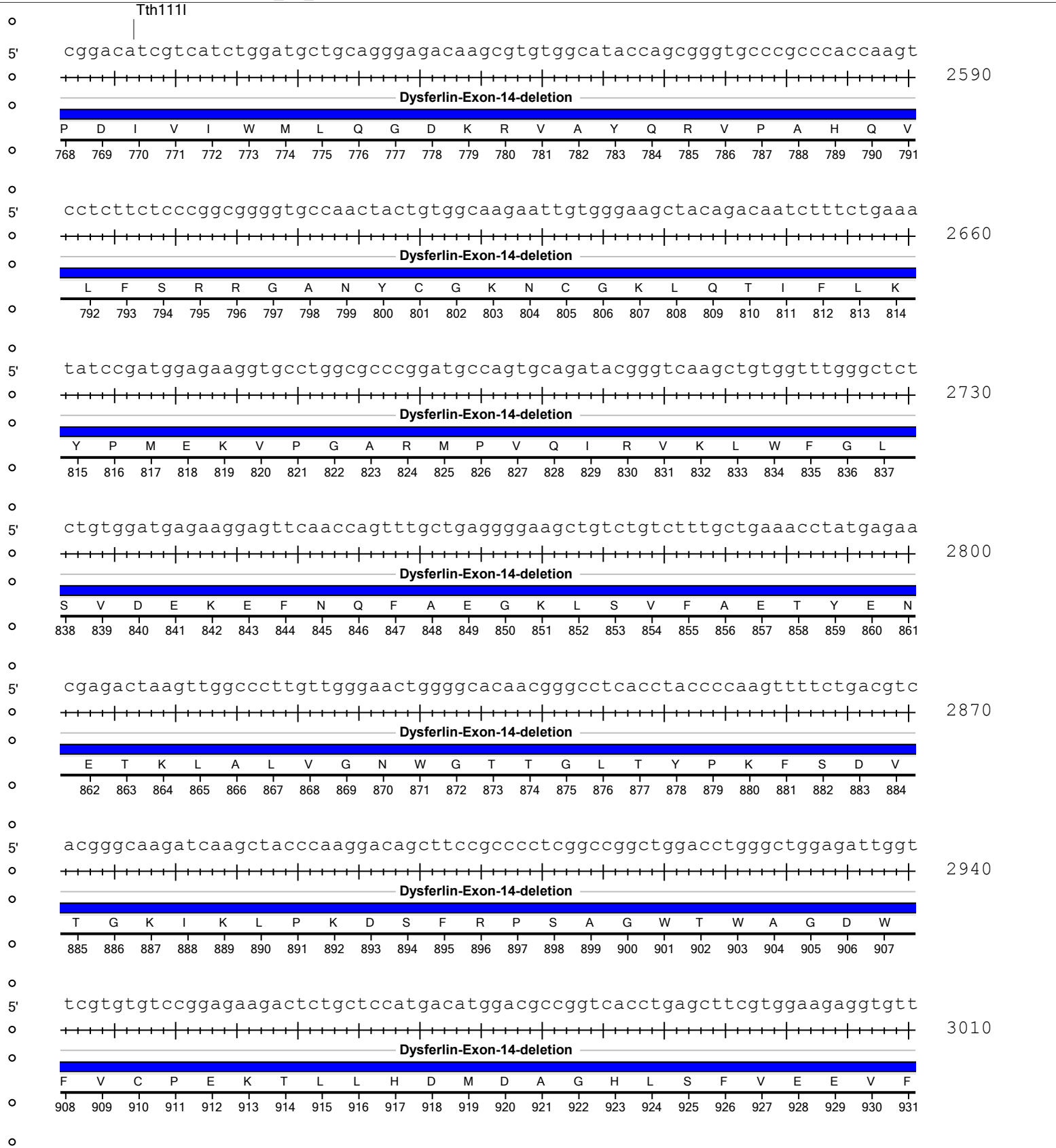
5' gcgcagtgcctcacggaggacgtggactcgctggtgggtcagctgacggatgagctcatcgcaggctgca
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-14-deletion
A Q C S T E D V D S L V A Q L T D E L I A G C
675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697

5' gccagcctctgggtgacatccatgagacaccctctgccaccacctggaccagtacctgtaccagctgcg
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-14-deletion
S Q P L G D I H E T P S A T H L D Q Y L Y Q L R
698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721

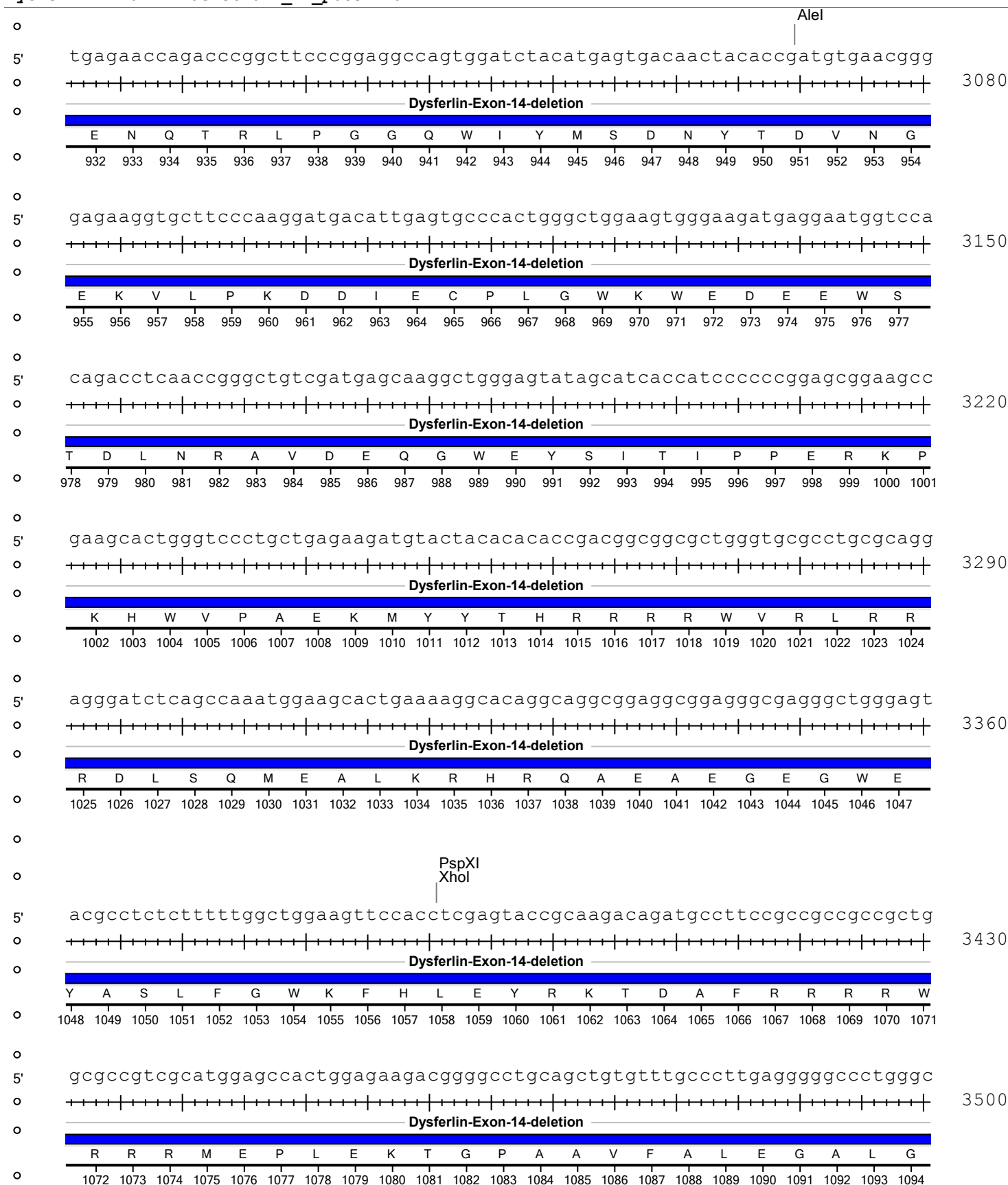
5' caccatcacctgagccaaatcactgaggctgccttggccctgaagctcggccacagtgagctccctgca
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-14-deletion
T H H L S Q I T E A A L A L K L G H S E L P A
722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744

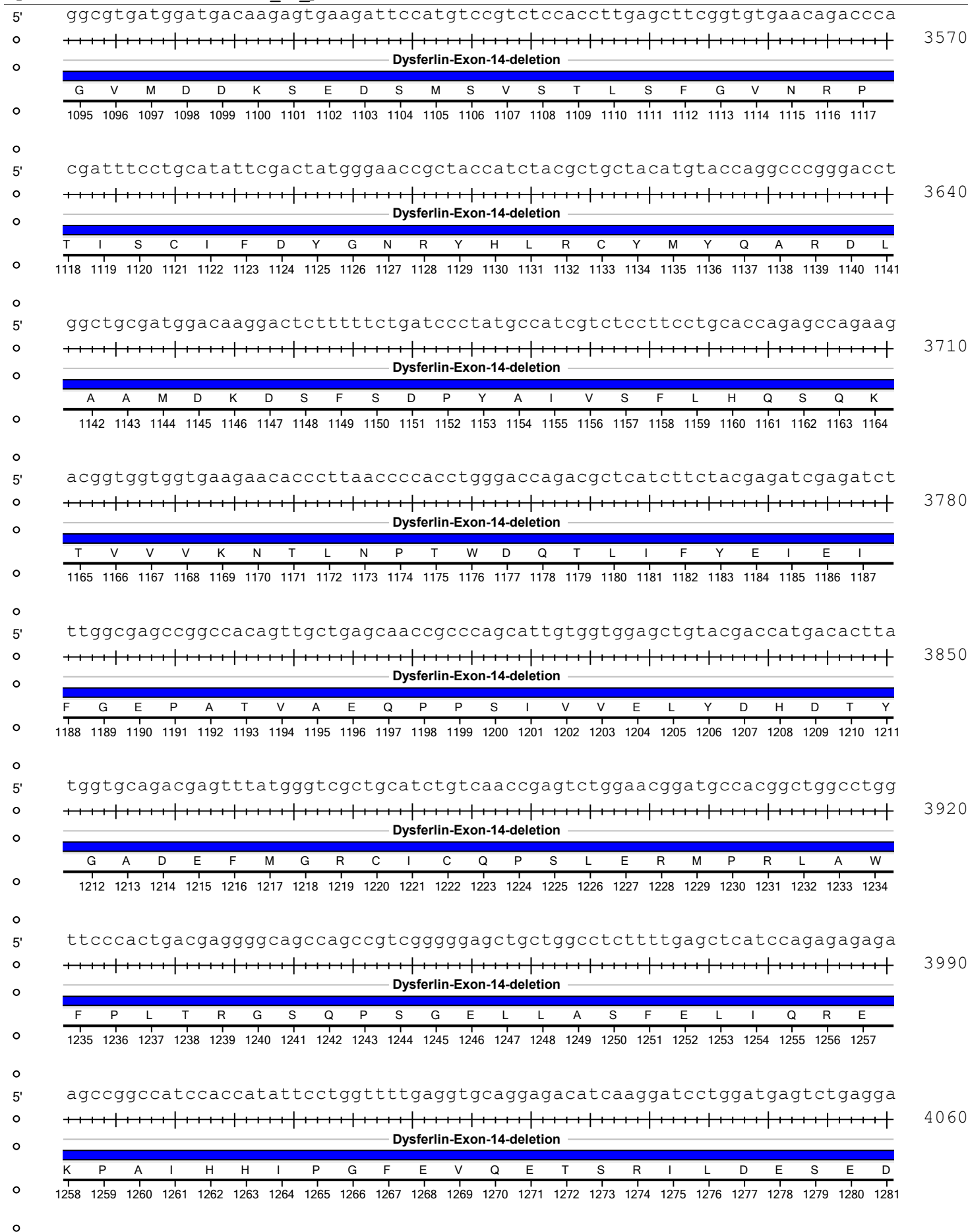
5' gctctggagcaggcggaggactggctcctgcgtctgcgtgccttggcagaggagccccagaacagcctgc
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-14-deletion
A L E Q A E D W L L R L R A L A E E P Q N S L
745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767

Dysferlin-Exon-14-deletion_in_pUC57-Kan

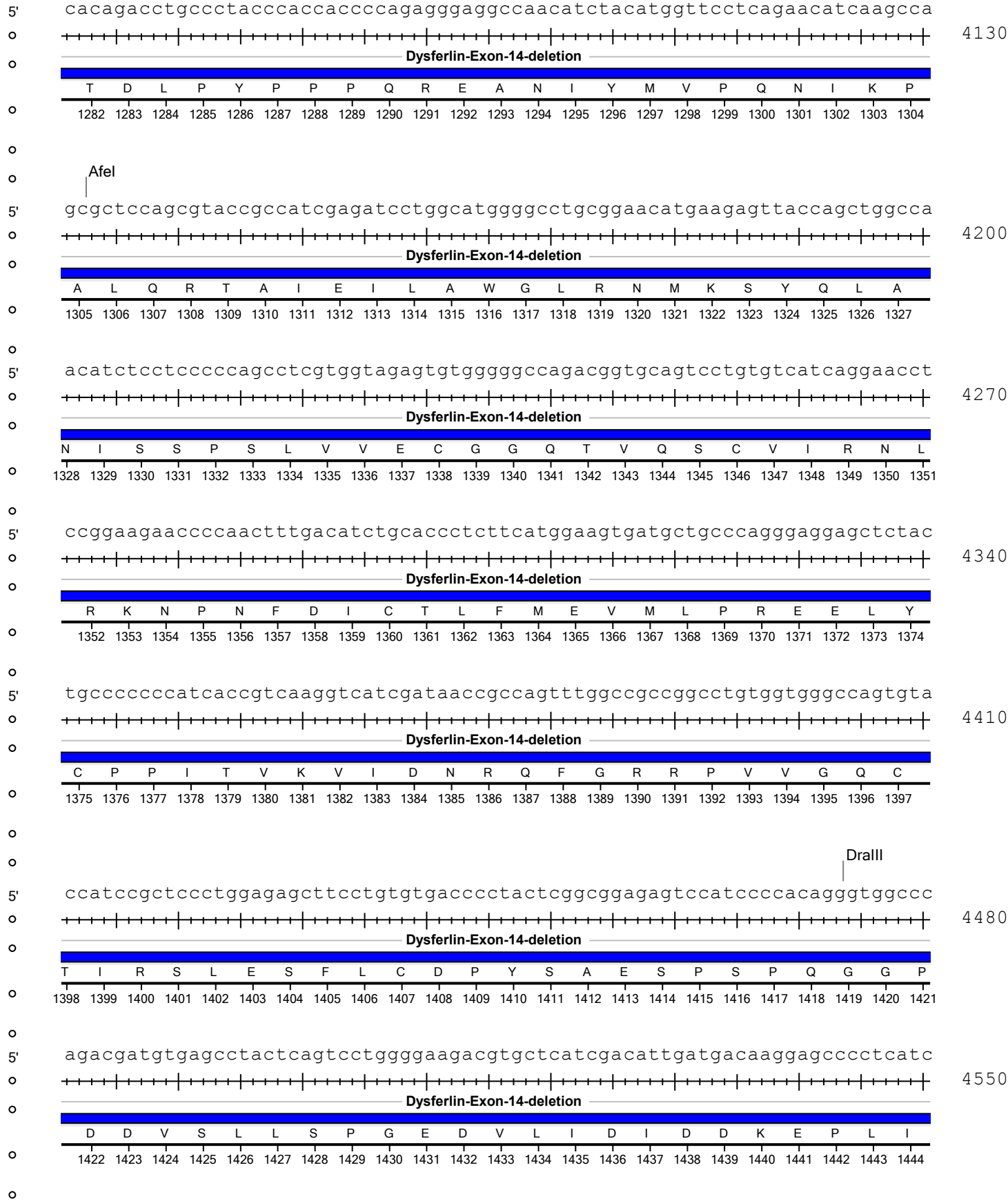


Dysferlin-Exon-14-deletion_in_pUC57-Kan

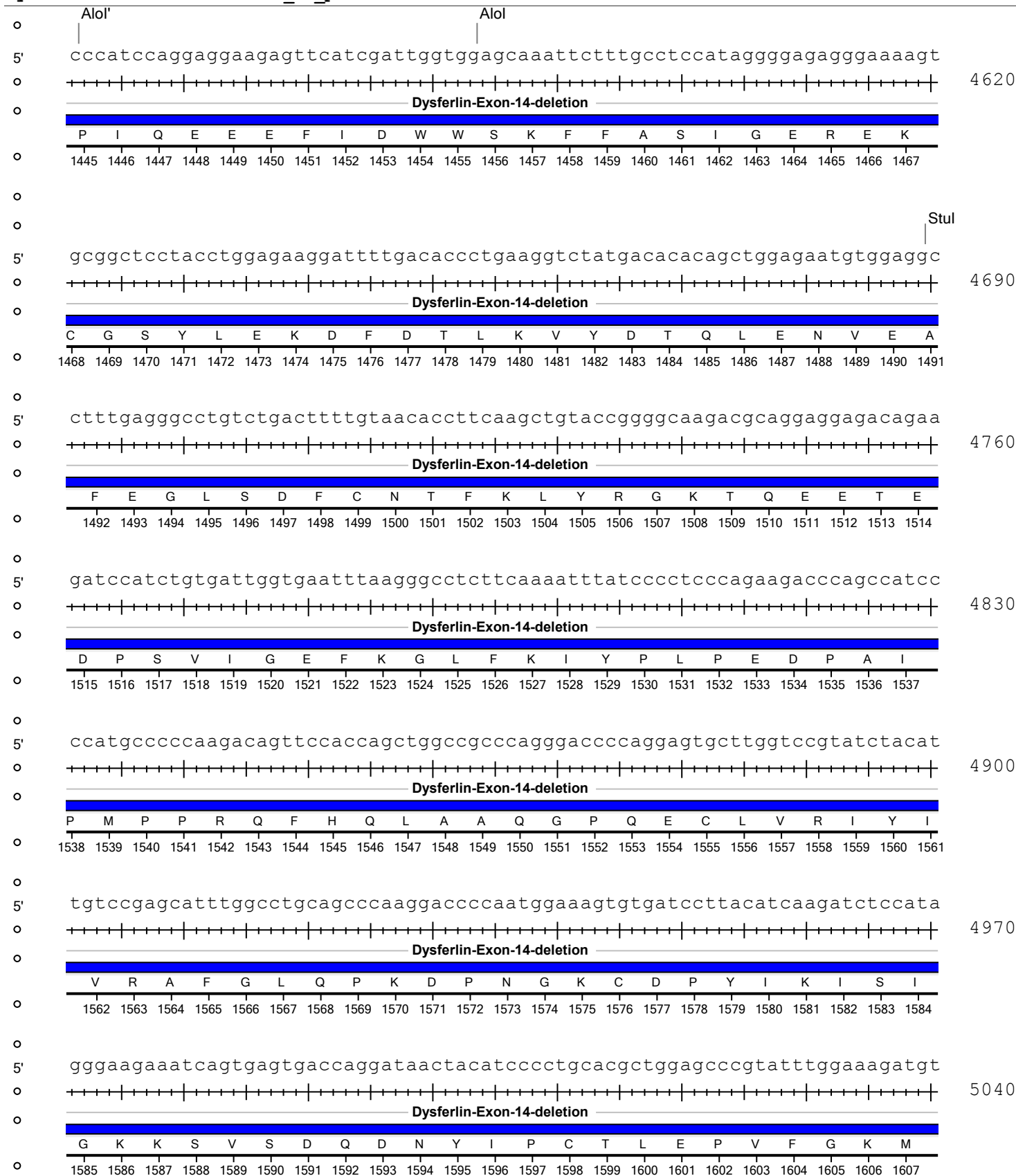


Dysferlin-Exon-14-deletion_in_pUC57-Kan

Dysferlin-Exon-14-deletion_in_pUC57-Kan



Dysferlin-Exon-14-deletion_in_pUC57-Kan



5' tcgagctgacctgcactctgcctctggagaacgacctaactcactcttatgactatgacctccctctc
o
o
Dysferlin-Exon-14-deletion
F E L T C T L P L E K D L K I T L Y D Y D L L S
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' caaggacgaaaagatcggtgagacggtcgtcgacctggagaacaggctgctgtccaagtttggggctcgc
o
o
Dysferlin-Exon-14-deletion
K D E K I G E T V V D L E N R L L S K F G A R
o 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654

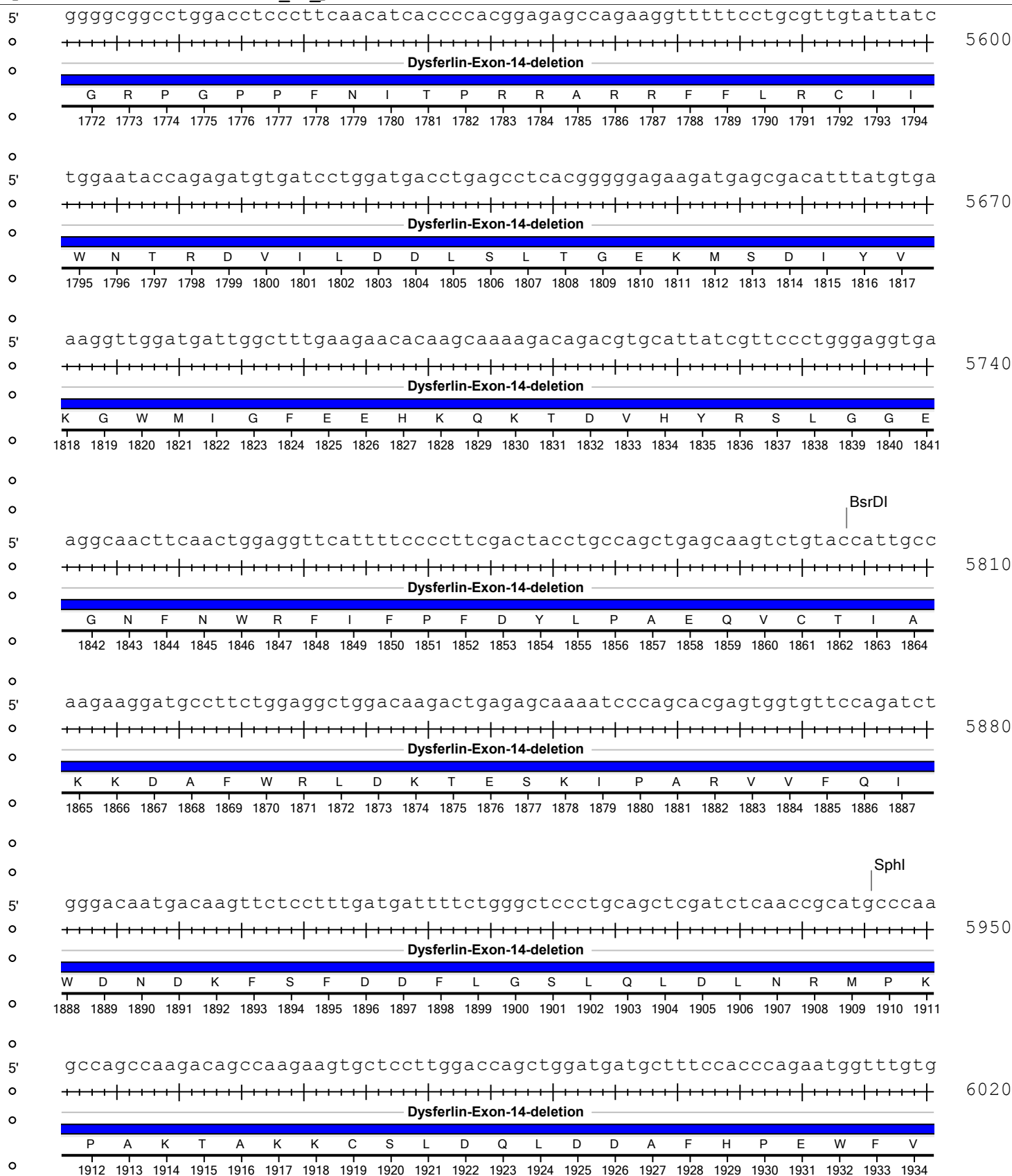
5' tgtggactccccacagacctactgtgtctctggaccgaaccagtggcgaggaccagctccgccctcccagc
o
o
Dysferlin-Exon-14-deletion
C G L P Q T Y C V S G P N Q W R D Q L R P S Q
o 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677

BaeI TstI BaeI'
5' tcctccacctcttctgccagcagcatagagtgcaaggcacctgtgtaccggacagaccgtgtaattgtttca
o
o
Dysferlin-Exon-14-deletion
L L H L F C Q Q H R V K A P V Y R T D R V M F Q
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

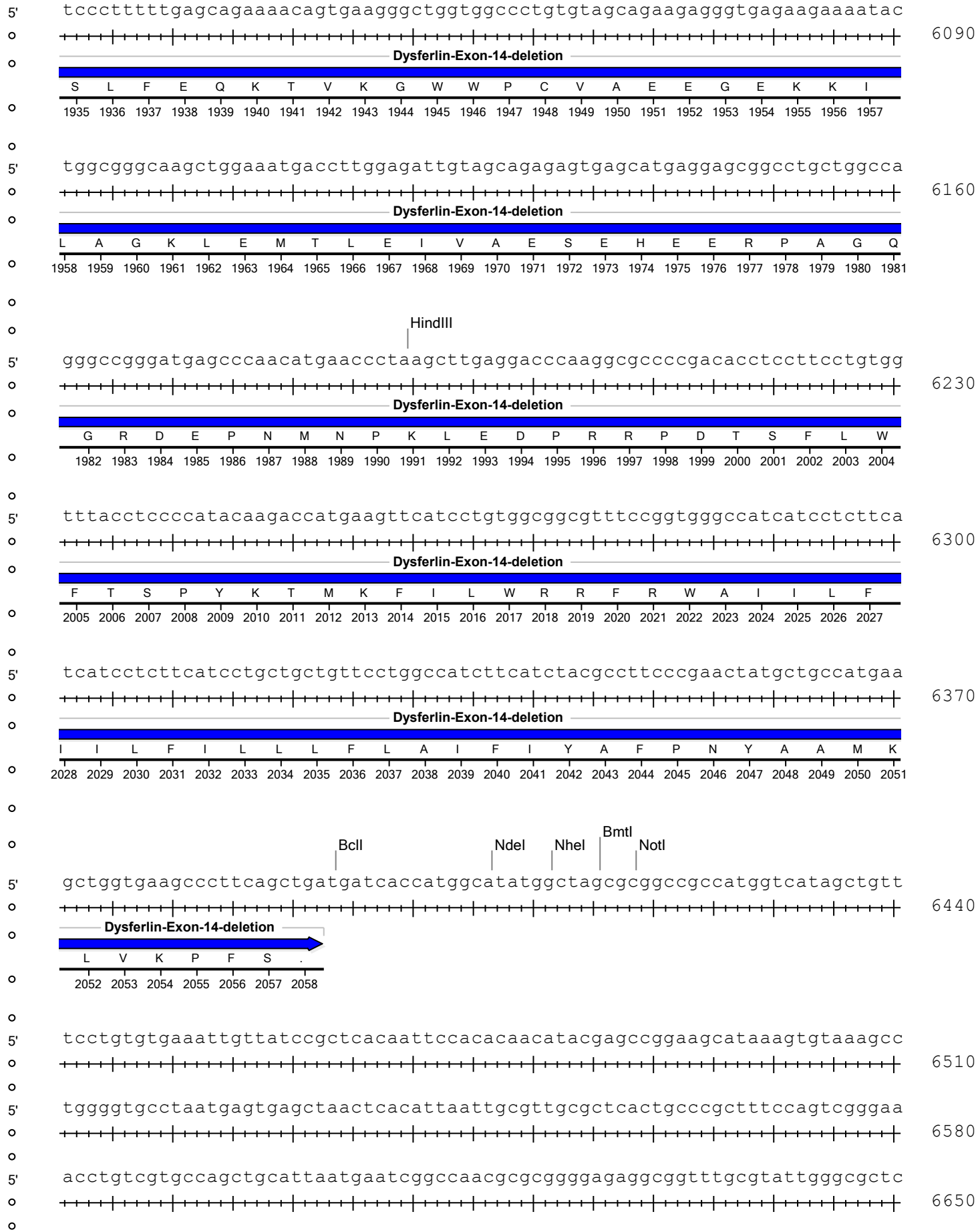
TstI
5' ggataaagaatatccattgaagagatagaggctggcaggatcccaaaccacacctgggcccagtgagg
o
o
Dysferlin-Exon-14-deletion
D K E Y S I E E I E A G R I P N P H L G P V E
o 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724

PmlI BsaAI
5' gagcgtctggctctgcatgtgcttcagcagcagggcctgggtcccggagcacgtggagtcacggccccctc
o
o
Dysferlin-Exon-14-deletion
E R L A L H V L Q Q Q G L V P E H V E S R P L
o 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747

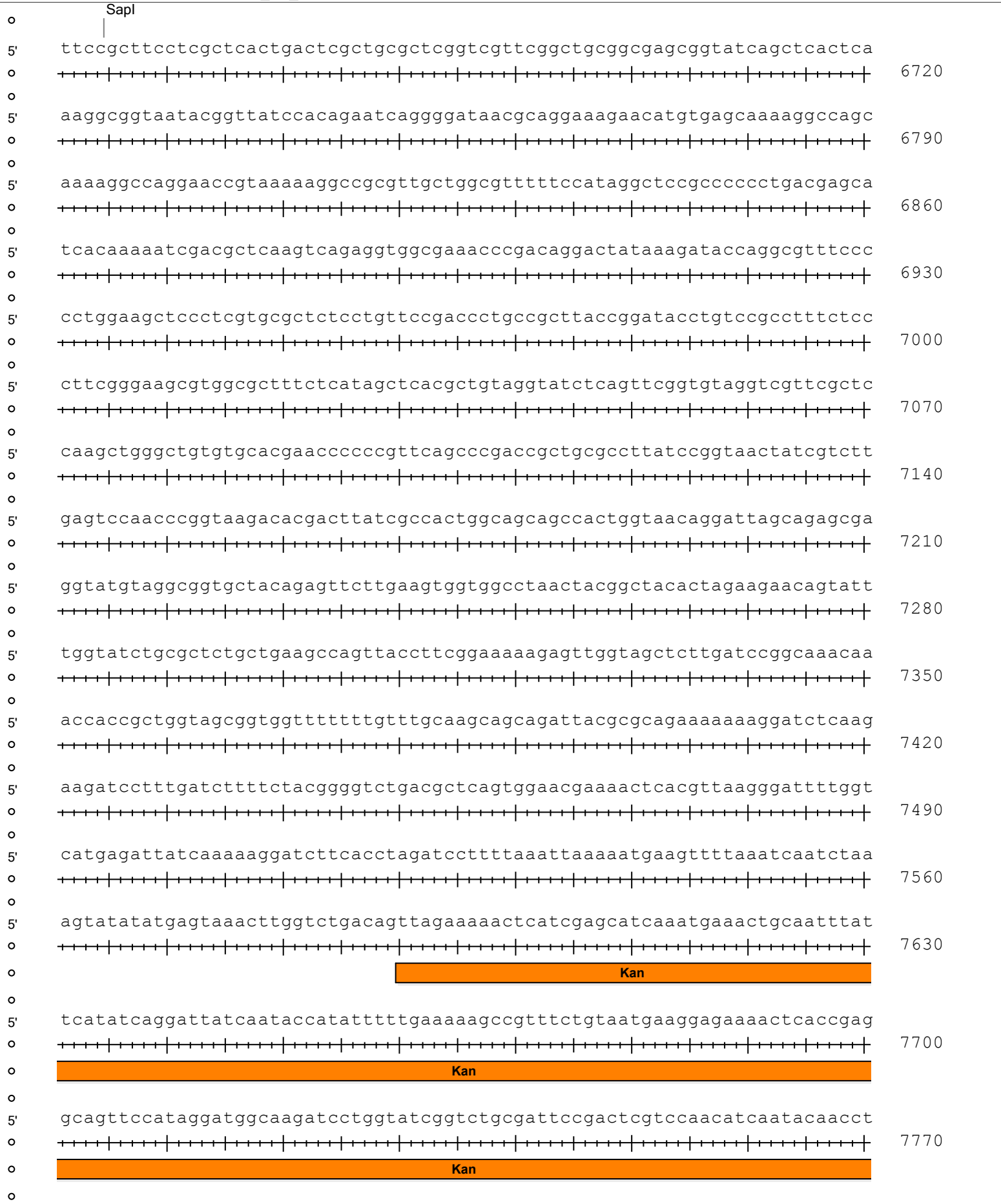
5' acagccccctgcagccagacatcgagcaggggaagctgcagatgtgggtcgacctatttccgaaggccct
o
o
Dysferlin-Exon-14-deletion
Y S P L Q P D I E Q G K L Q M W V D L F P K A L
o 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771

Dysferlin-Exon-14-deletion_in_pUC57-Kan

Dysferlin-Exon-14-deletion_in_pUC57-Kan



Dysferlin-Exon-14-deletion_in_pUC57-Kan



Dysferlin-Exon-14-deletion_in_pUC57-Kan

