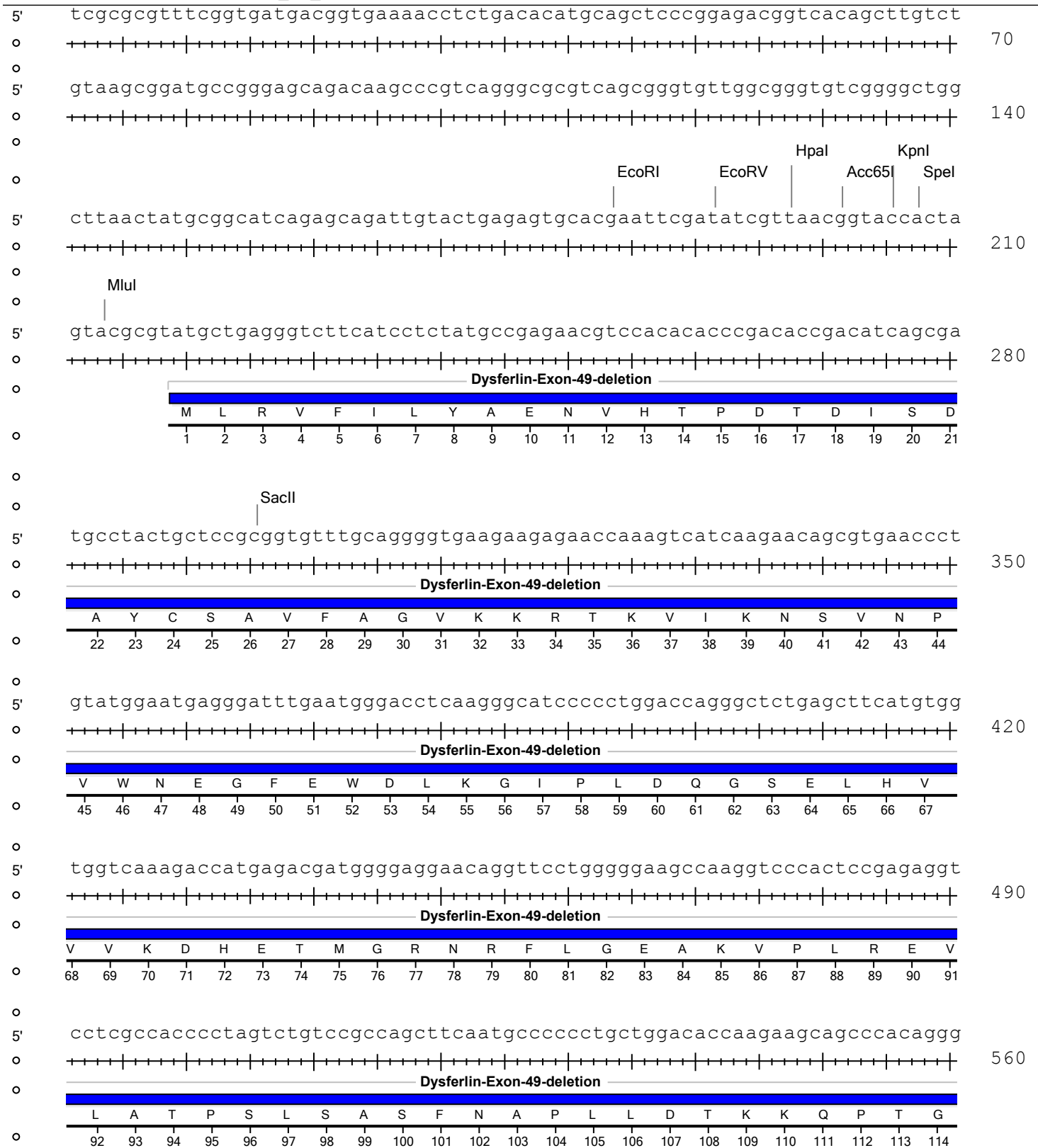
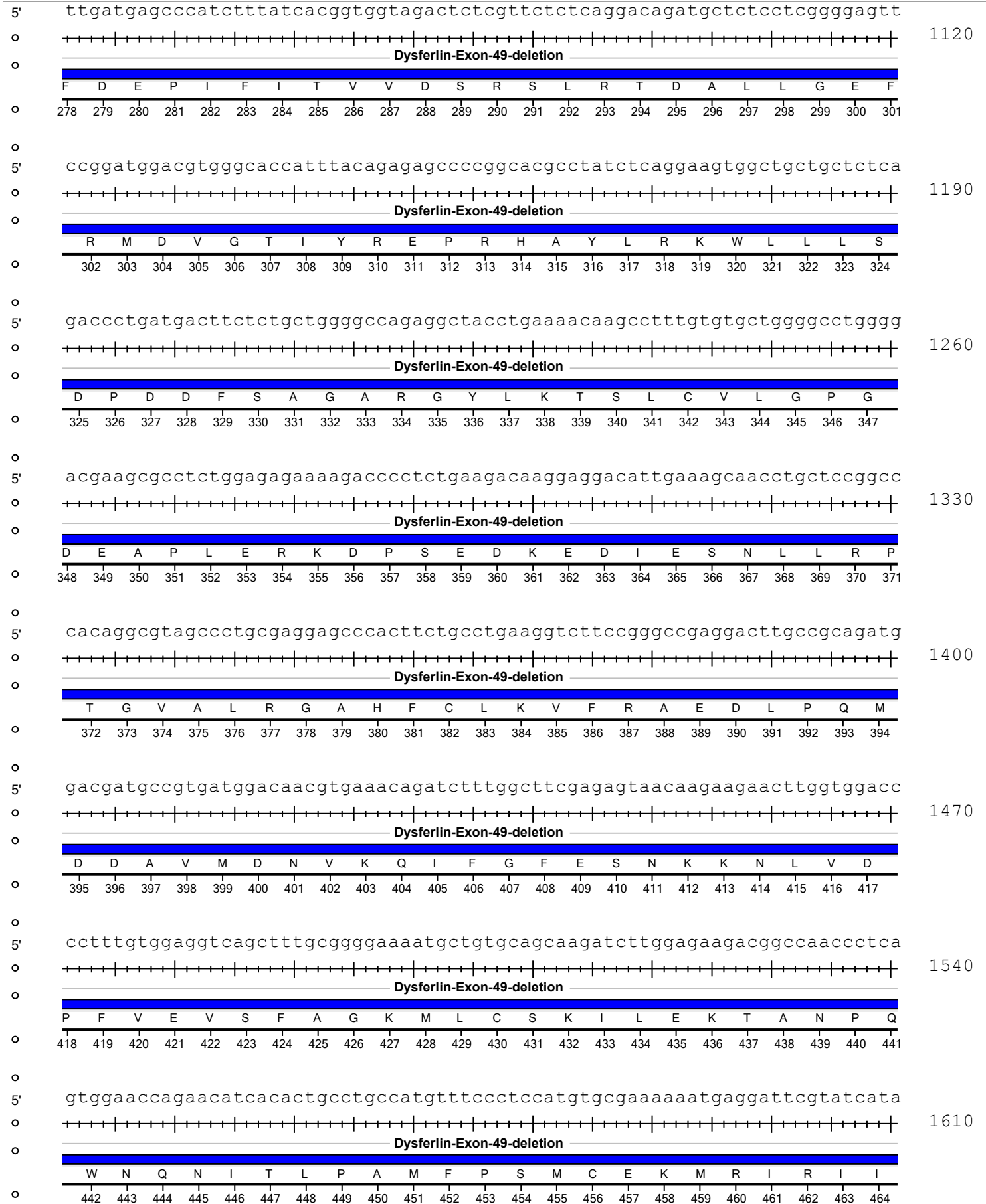


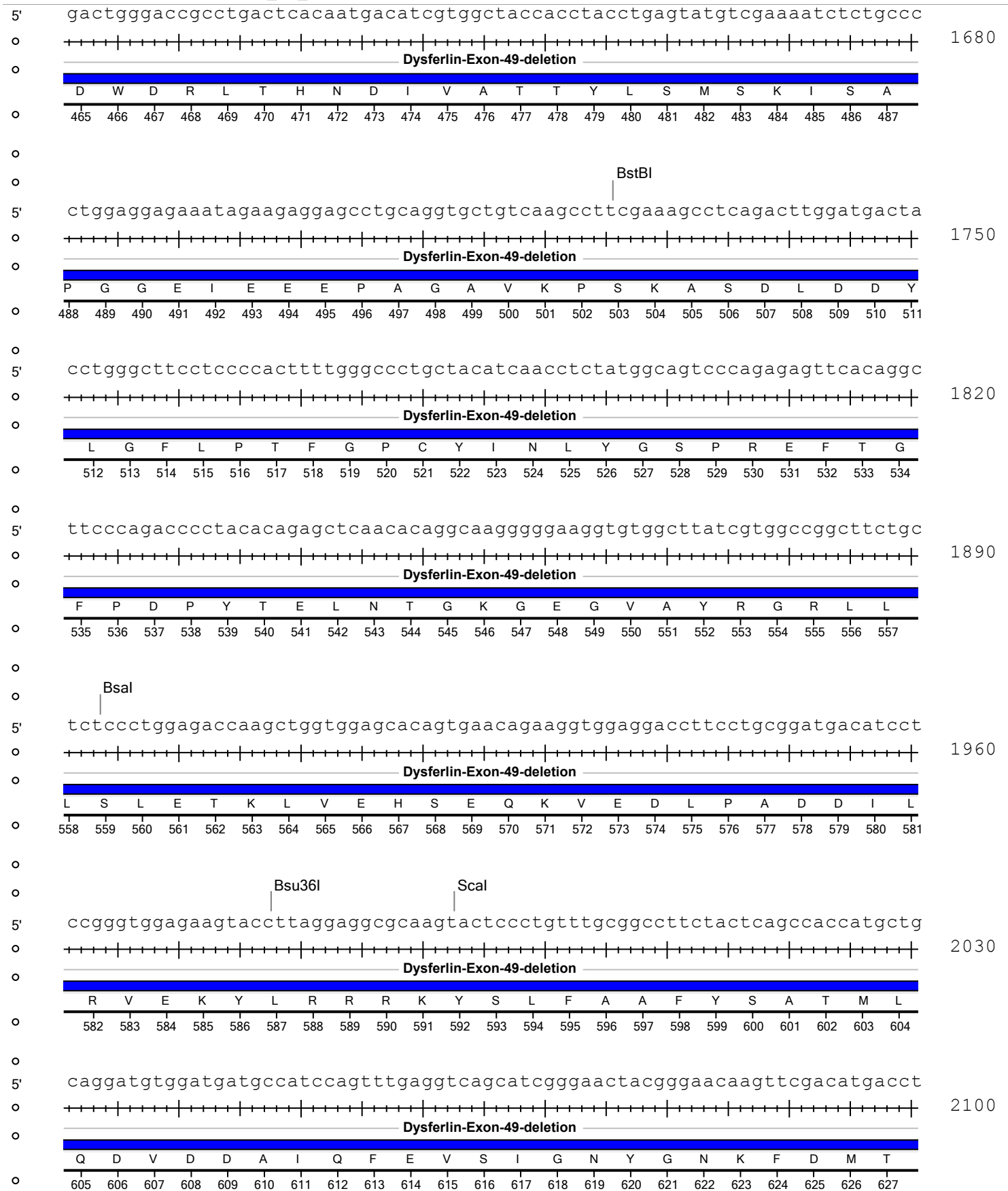
Dysferlin-Exon-49-deletion_in_pUC57-Kan



Dysferlin-Exon-49-deletion_in_pUC57-Kan



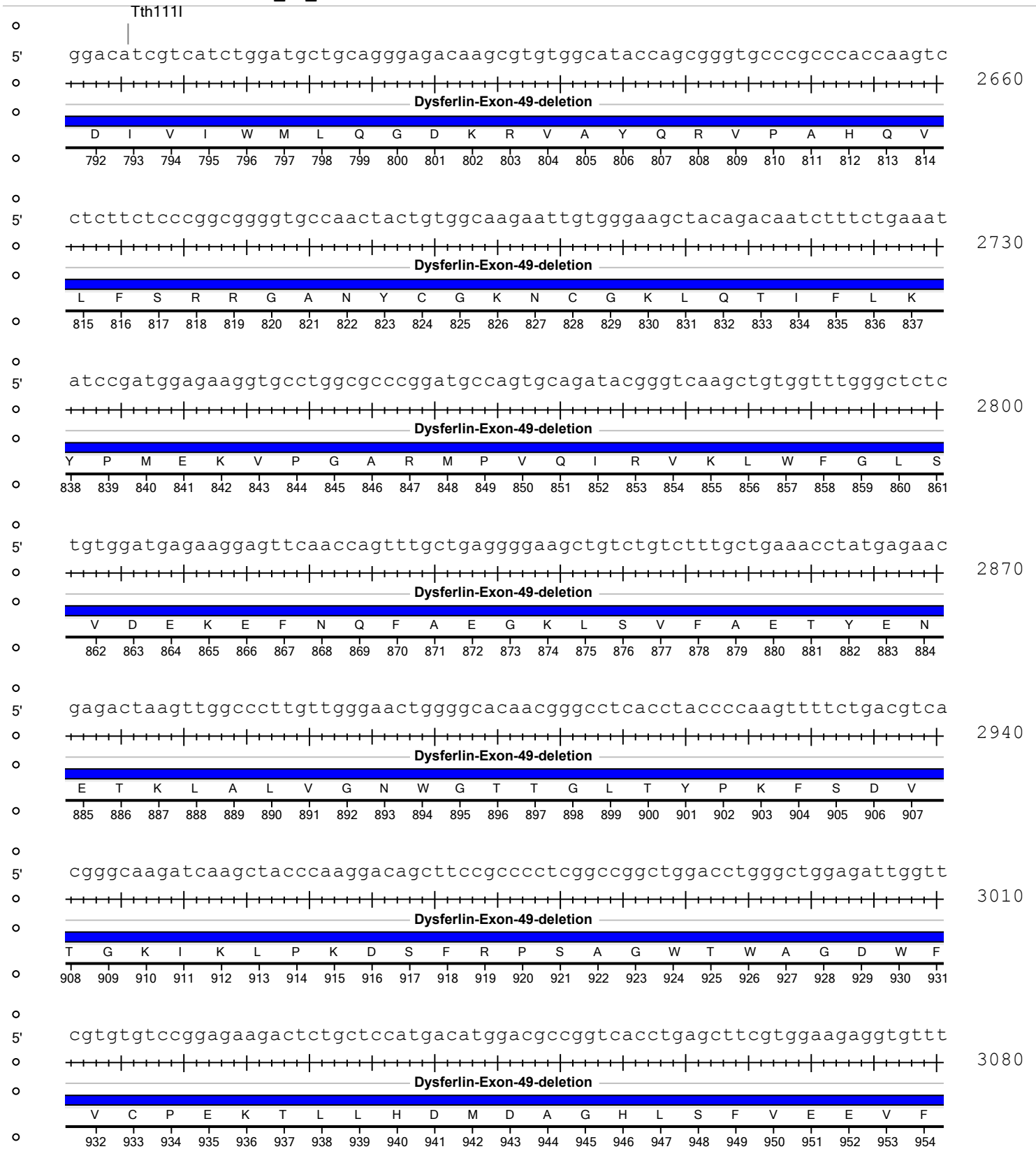
Dysferlin-Exon-49-deletion_in_pUC57-Kan



Dysferlin-Exon-49-deletion_in_pUC57-Kan

5' gctgcccgcctggcctccaccactcagtacagccgtgcagtcctttgacgggtgccactactactacctacc 2170
o
o **Dysferlin-Exon-49-deletion**
C L P L A S T T Q Y S R A V F D G C H Y Y Y L P
o 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651
o
5' ctggggtaacgtgaaacctgtgggtggtgctgtcactctactgggaggacatcagccatagaatcgagact 2240
o
o **Dysferlin-Exon-49-deletion**
W G N V K P V V V L S S Y W E D I S H R I E T
o 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674
o
5' cagaaccagctgcttgggattgctgaccggctggaagctggcctggagcaggtccacctggccctgaagg 2310
o
o **Dysferlin-Exon-49-deletion**
Q N Q L L G I A D R L E A G L E Q V H L A L K
o 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697
o
5' cgcagtgcctccacggaggacgtggactcgtctggtggctcagctgacggatgagctcatcgcaggctgcag 2380
o
o **Dysferlin-Exon-49-deletion**
A Q C S T E D V D S L V A Q L T D E L I A G C S
o 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721
o
5' ccagcctctgggtgacatccatgagacaccctctgccacccacctggaccagtagcctgtaccagctgcgc 2450
o
o **Dysferlin-Exon-49-deletion**
Q P L G D I H E T P S A T H L D Q Y L Y Q L R
o 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744
o
5' accatcacctgagccaaatcactgaggctgccctggccctgaagctcggccacagtgagctccctgcag 2520
o
o **Dysferlin-Exon-49-deletion**
T H H L S Q I T E A A L A L K L G H S E L P A
o 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767
o
5' ctctggagcaggcggaggactggctcctgcgtctgcgtgccctggcagaggagccccagaacagcctgcc 2590
o
o **Dysferlin-Exon-49-deletion**
A L E Q A E D W L L R L R A L A E E P Q N S L P
o 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791
o

Dysferlin-Exon-49-deletion_in_pUC57-Kan



Dysferlin-Exon-49-deletion_in_pUC57-Kan

AleI

5' gagaaccagaccggcttcccggaggccagtggatctacatgagtgacaactacaccgatgtgaacgggg 3150

Dysferlin-Exon-49-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-49-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-49-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' aagcactgggtccctgctgagaagatgtactacacacaccgacggcgggcgtgggtgcgccctgcgcagga 3360

Dysferlin-Exon-49-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' gggatctcagccaaatggaagcactgaaaaggcacaggcaggcggaggcggagggcgagggctgggagta 3430

Dysferlin-Exon-49-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' cgctctcttttggctggaagttccacctcgagtaccgcaagacagatgccttccgcccgcgctgg 3500

Dysferlin-Exon-49-deletion

A S L F G W K F H L E Y R K T D A F R R R R W

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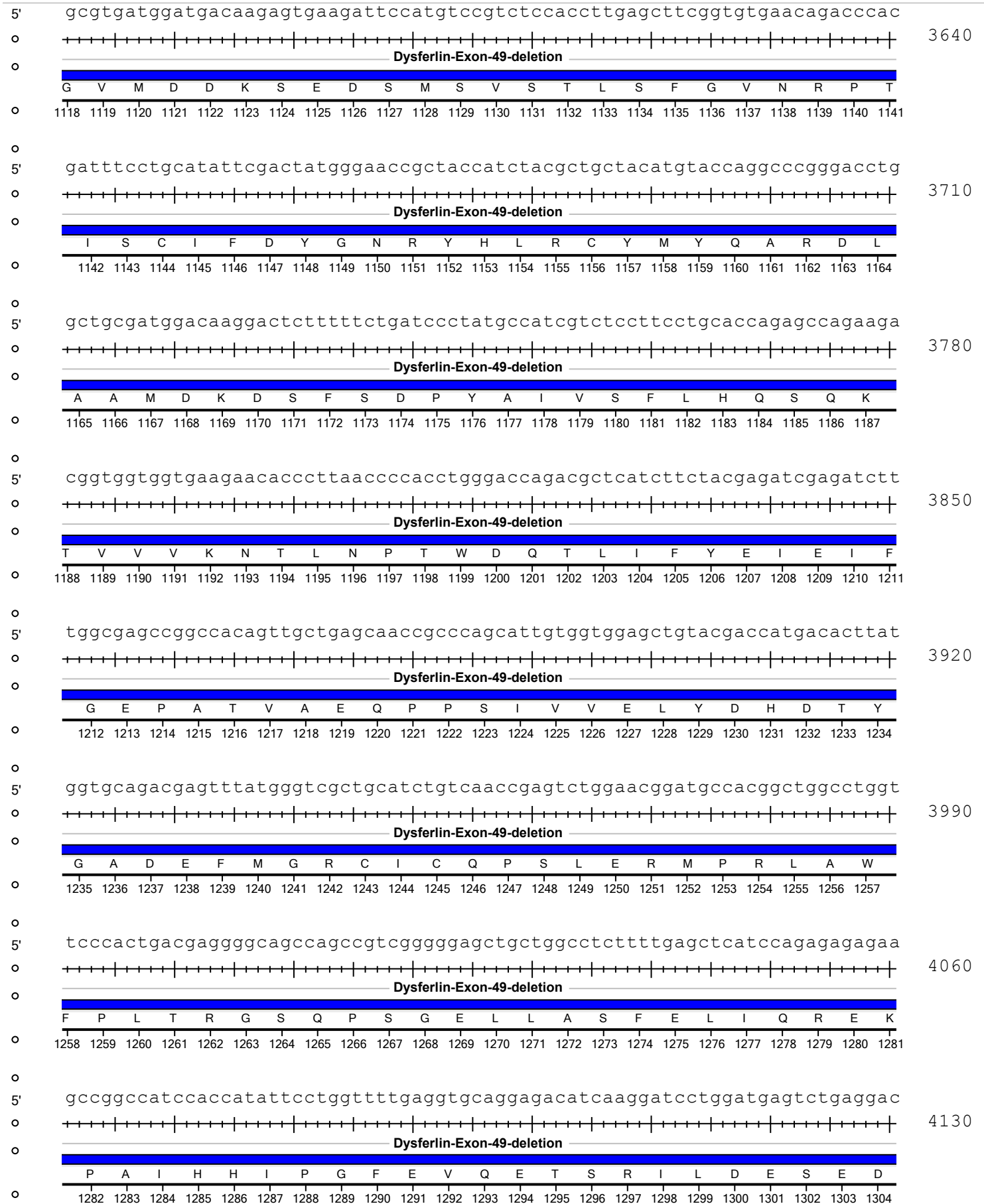
5' cgccgtcgcatggagccactggagaagacggggcctgcagctgtgtttgccttgagggggccctgggcg 3570

Dysferlin-Exon-49-deletion

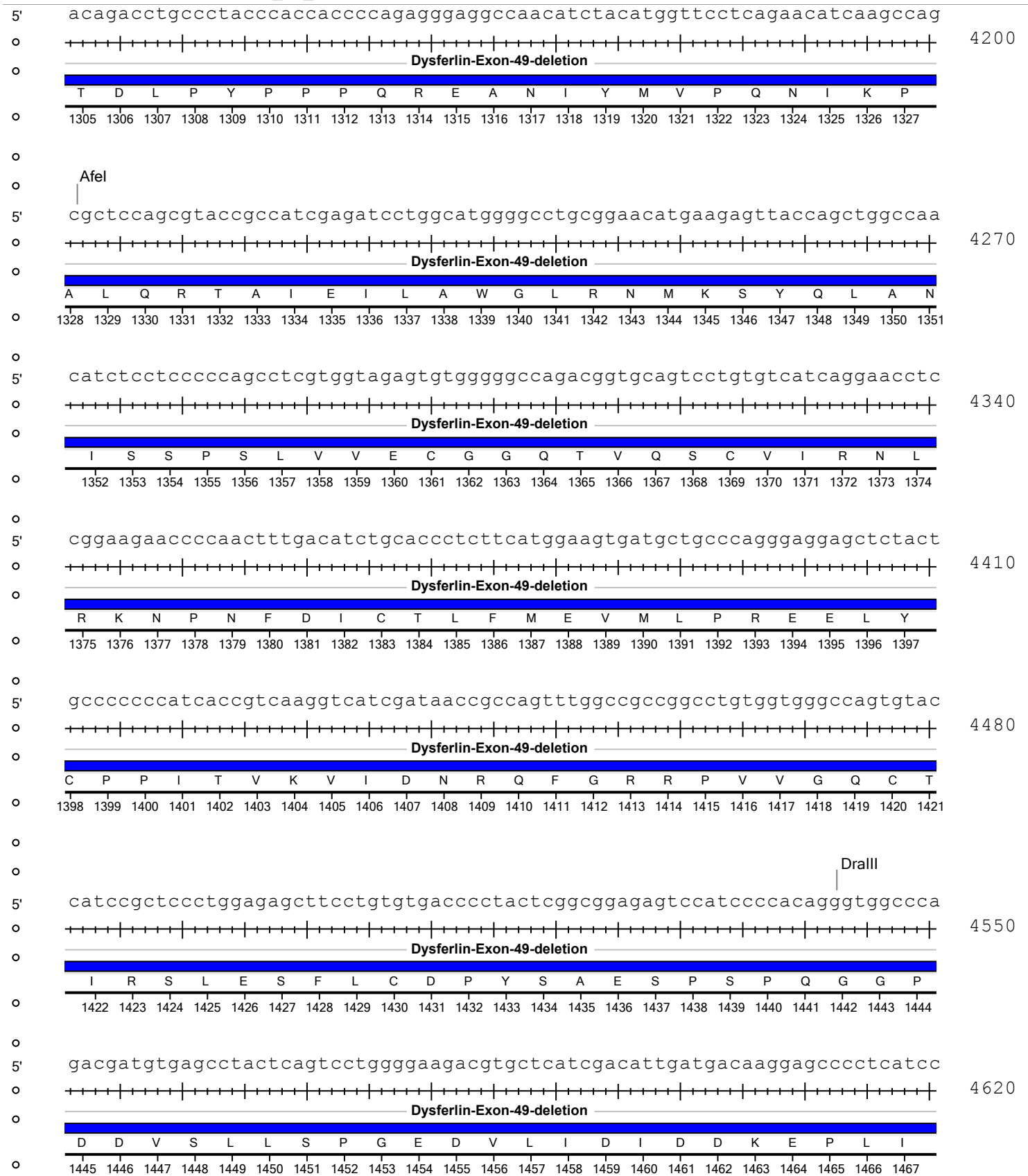
R R R M E P L E K T G P A A V F A L E G A L G

1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117

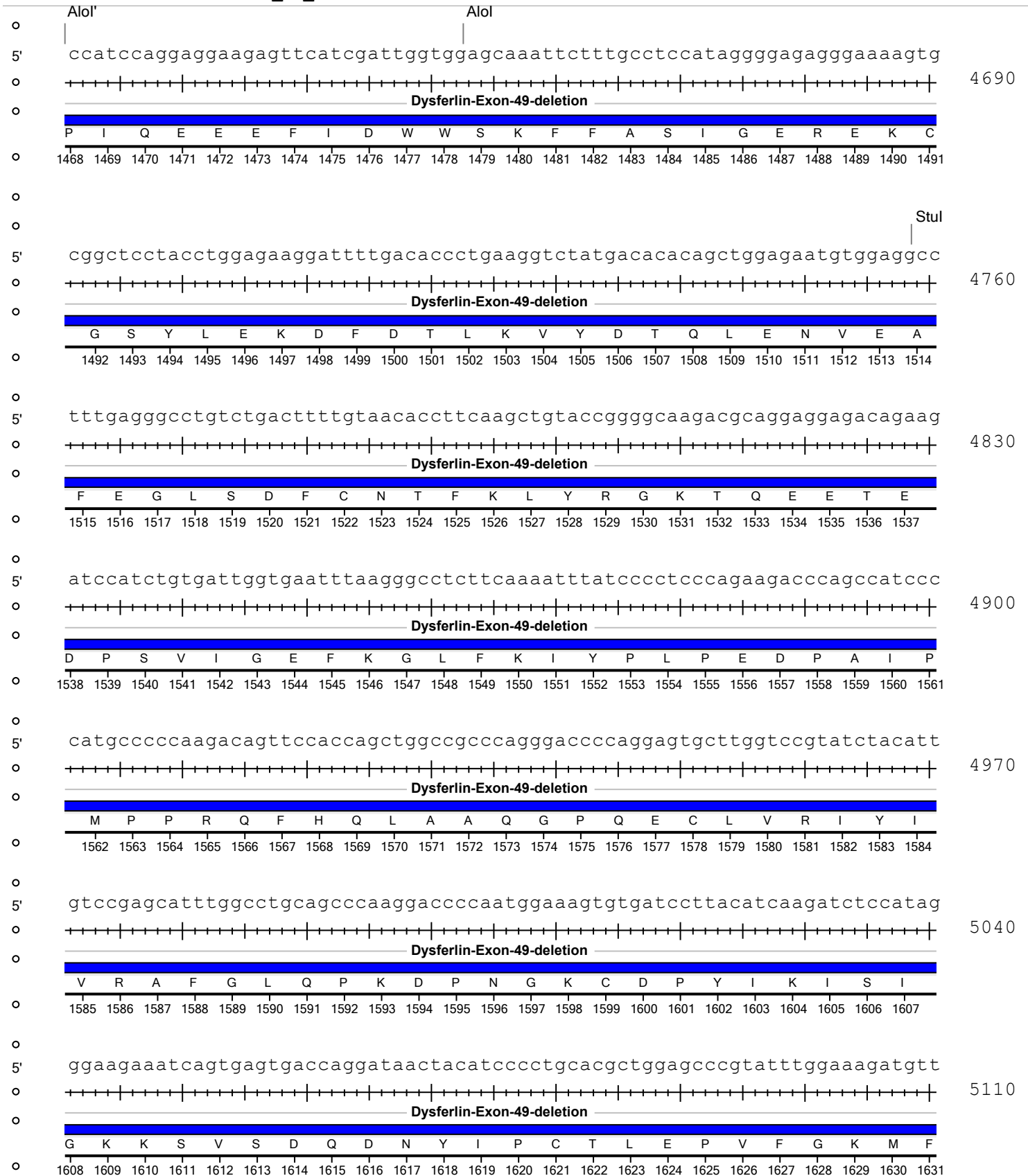
Dysferlin-Exon-49-deletion_in_pUC57-Kan



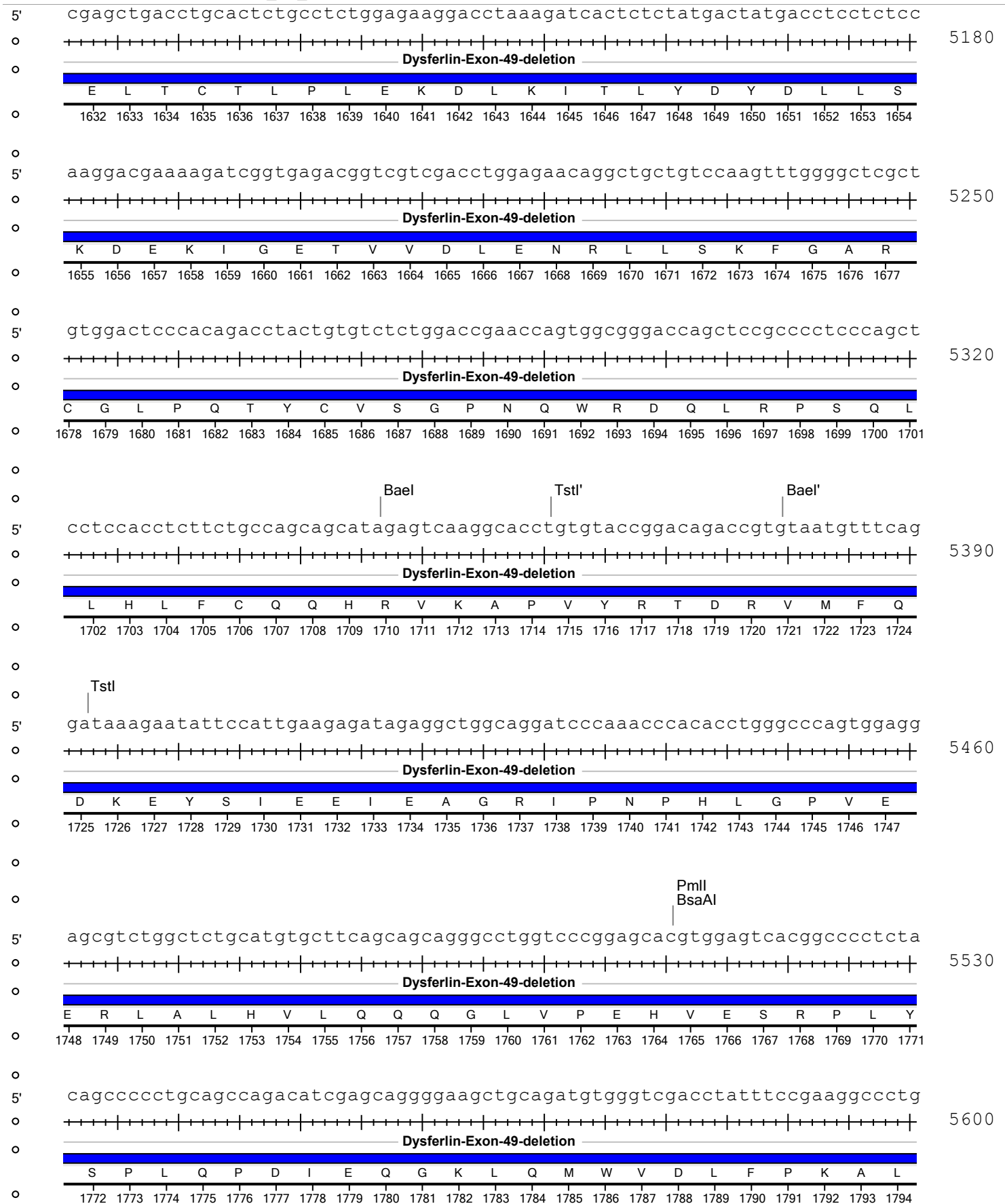
Dysferlin-Exon-49-deletion_in_pUC57-Kan



Dysferlin-Exon-49-deletion_in_pUC57-Kan



Dysferlin-Exon-49-deletion_in_pUC57-Kan



Dysferlin-Exon-49-deletion_in_pUC57-Kan

5' gggcggcctggacctcccttcaacatcaccacggagagccagaagttggatgattggctttgaagaac
o ++++++
o **Dysferlin-Exon-49-deletion**

o
o G R P G P P F N I T P R R A R S W M I G F E E
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' acaagcaaaagacagacgtgcattatcgttccctgggaggtgaaggcaacttcaactggaggttcatttt
o ++++++
o **Dysferlin-Exon-49-deletion**

o H K Q K T D V H Y R S L G G E G N F N W R F I F
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

o BsrDI
5' cccttgcactacctgccagctgagcaagtctgtaccattgccaagaaggatgccttctggaggctggac
o ++++++
o **Dysferlin-Exon-49-deletion**

o P F D Y L P A E Q V C T I A K K D A F W R L D
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' aagactgagagcaaaaatcccagcacgagtggtggtccagatctgggacaatgacaagttctcctttgatg
o ++++++
o **Dysferlin-Exon-49-deletion**

o K T E S K I P A R V V F Q I W D N D K F S F D
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 SphI
5' attttctgggctccctgcagctcgatctcaaccgcatgcccaagccagccaagacagccaagaagtgtc
o ++++++
o **Dysferlin-Exon-49-deletion**

o D F L G S L Q L D L N R M P K P A K T A K K C S
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

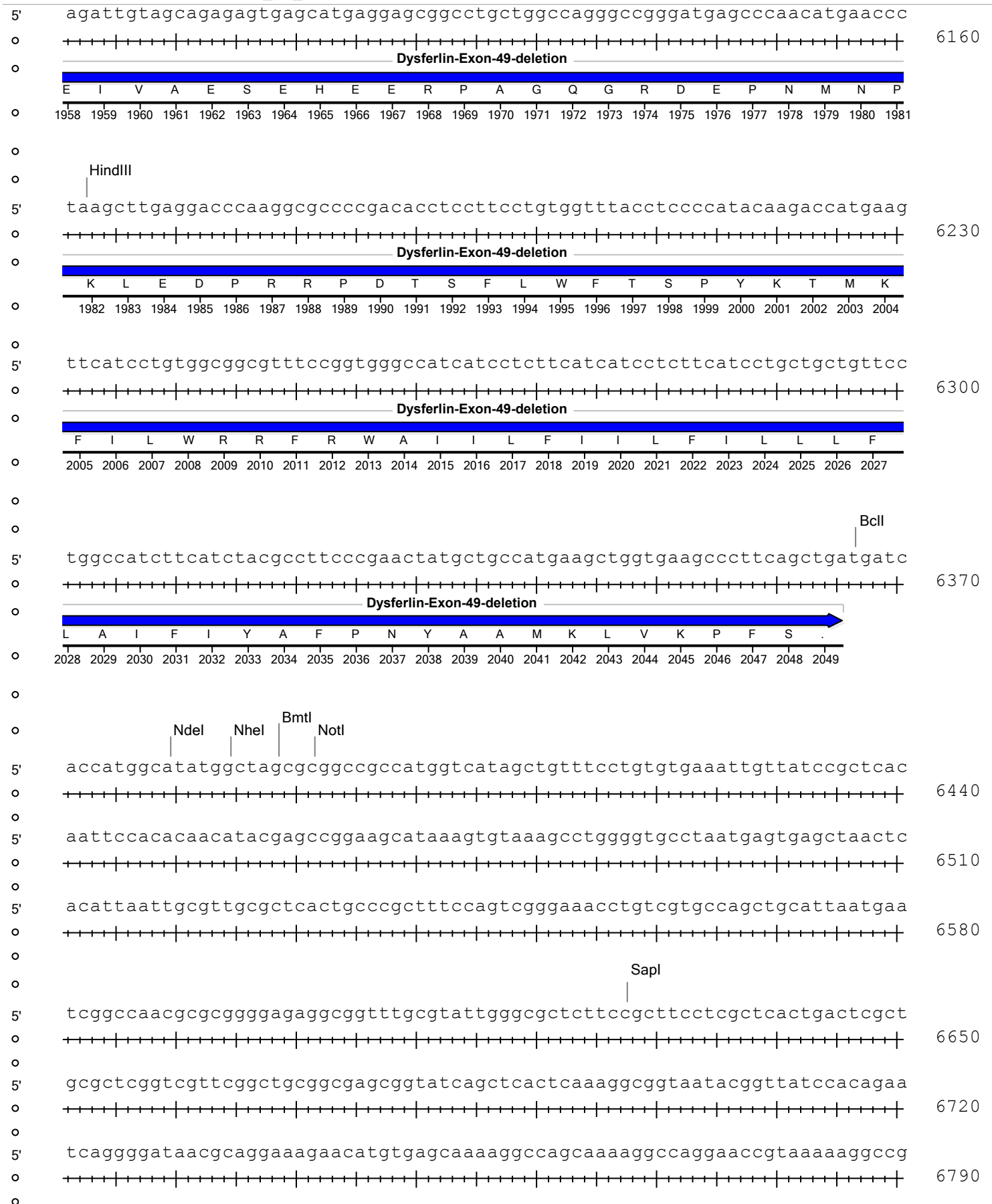
5' ctggaccagctggatgatgctttccaccagaaatggtttgtgtccctttttgagcagaaaacagtgaag
o ++++++
o **Dysferlin-Exon-49-deletion**

o L D Q L D D A F H P E W F V S L F E Q K T V 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

5' ggctggtggccctgtgttagcagaagaggtgagaagaaaatactggcgggcaagctggaaatgaccttg
o ++++++
o **Dysferlin-Exon-49-deletion**

o G W W P C V A E E G E K K I L A G K L E M T L
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-49-deletion_in_pUC57-Kan



Dysferlin-Exon-49-deletion_in_pUC57-Kan

