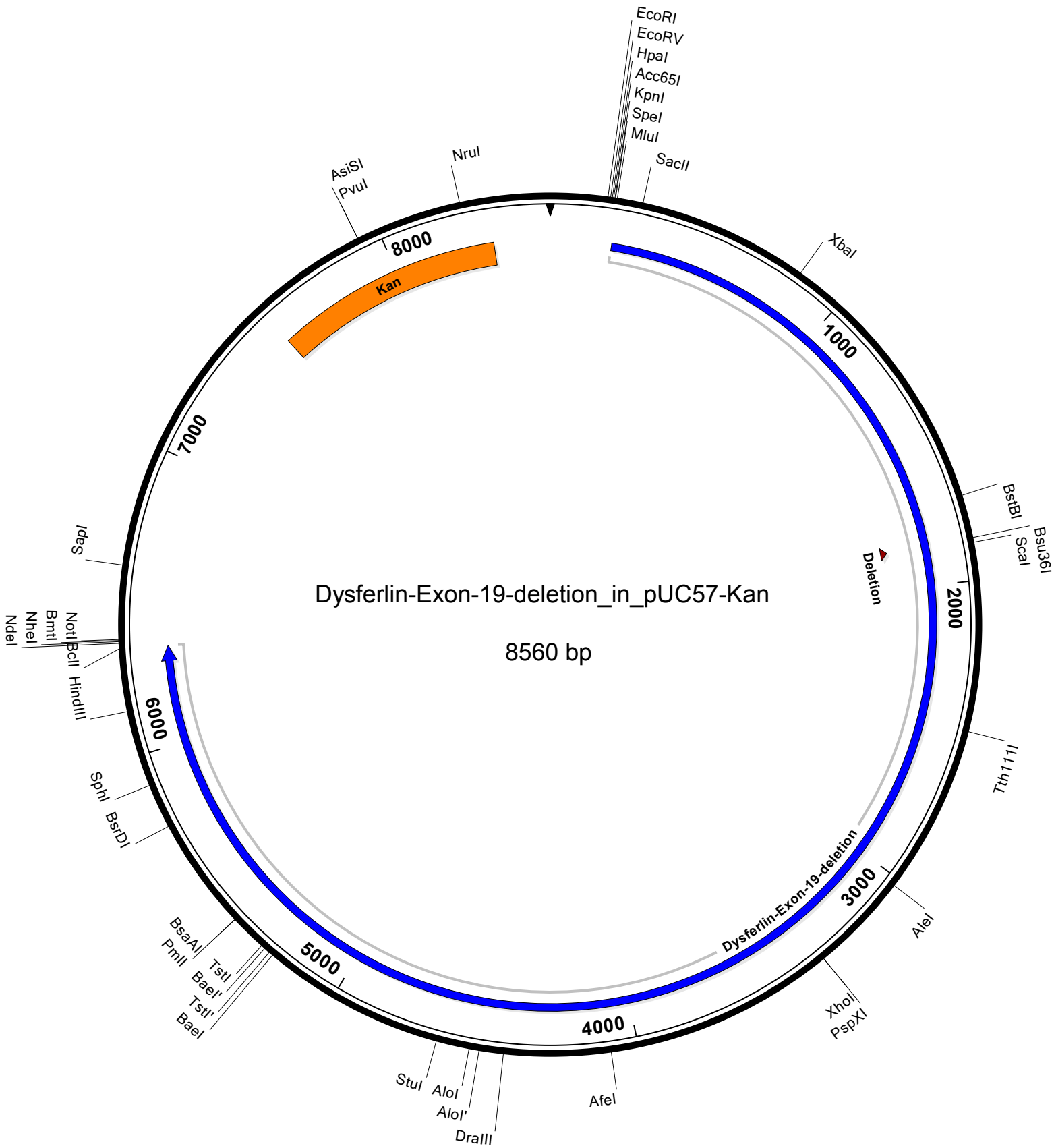
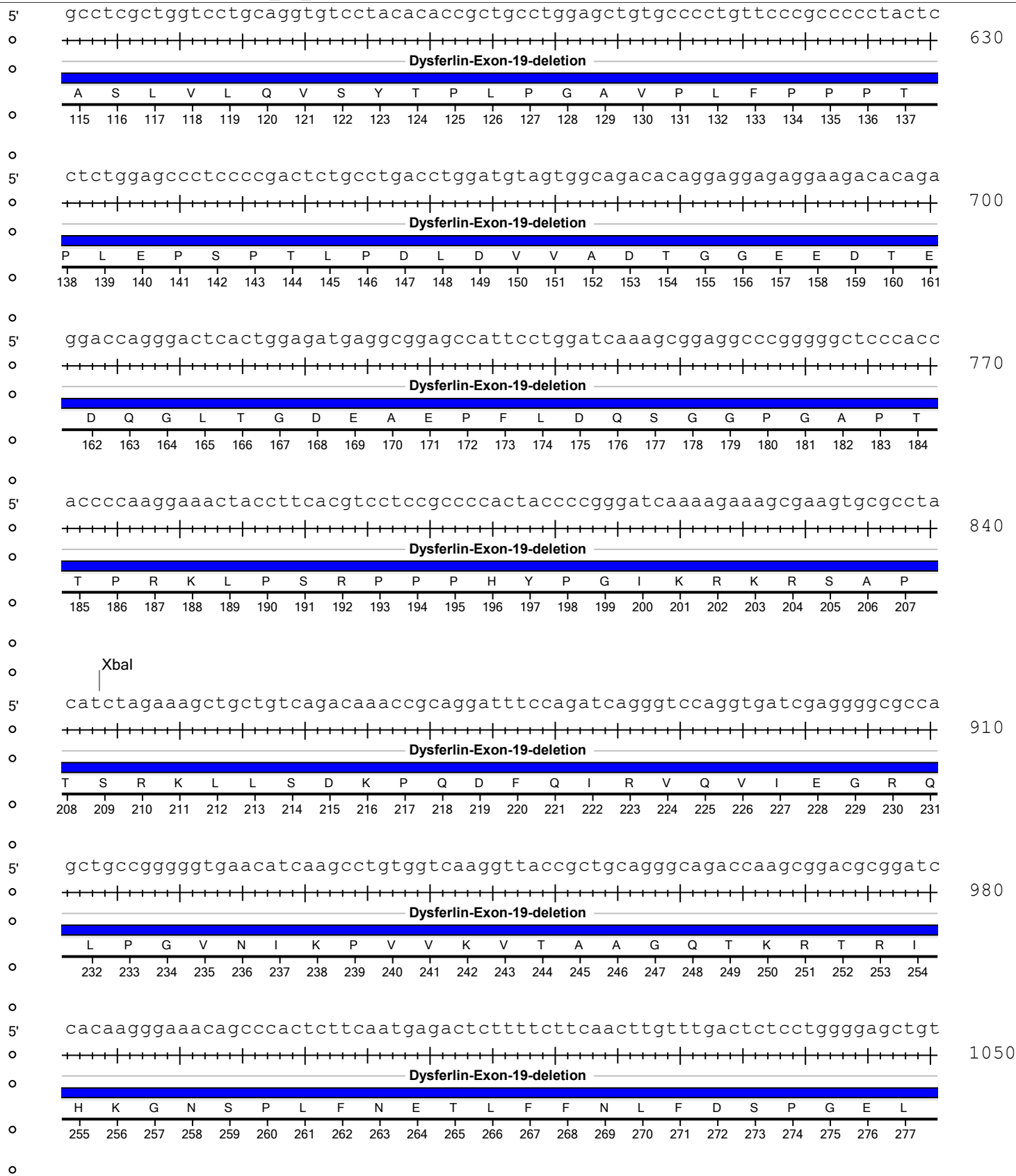


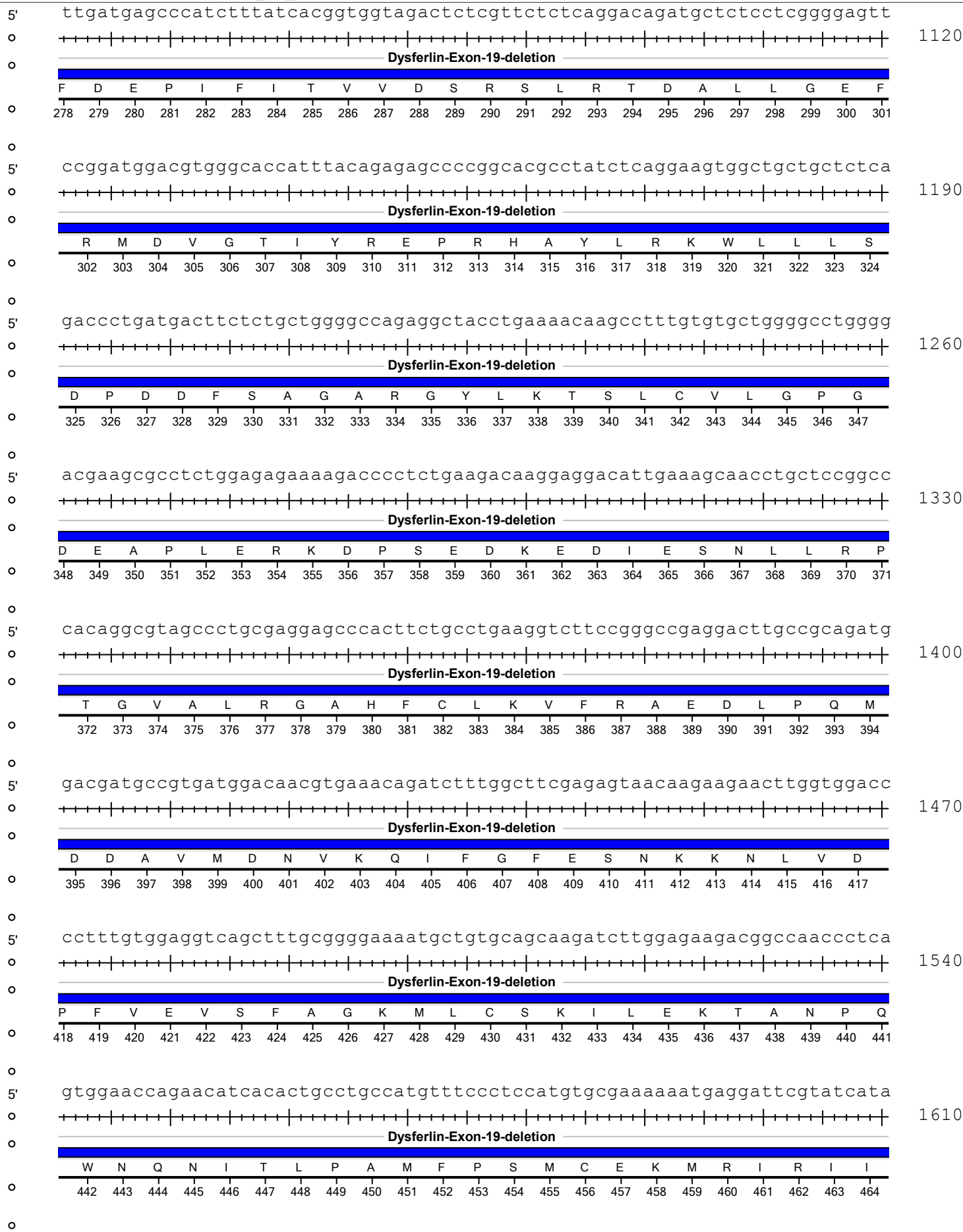


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 Dysferlin-Exon-19-deletion
 M L R V F I L Y A E N V H T P D T D I S D
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
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 350
 Dysferlin-Exon-19-deletion
 A Y C S A V F A G V K K R T K V I K N S V N P
 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
 gtatggaatgagggatttgaatgggacctcaagggcatccccctggaccagggctctgagcttcatgtgg
 420
 Dysferlin-Exon-19-deletion
 V W N E G F E W D L K G I P L D Q G S E L H V
 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67
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 490
 Dysferlin-Exon-19-deletion
 V V K D H E T M G R N R F L G E A K V P L R E V
 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91
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 560
 Dysferlin-Exon-19-deletion
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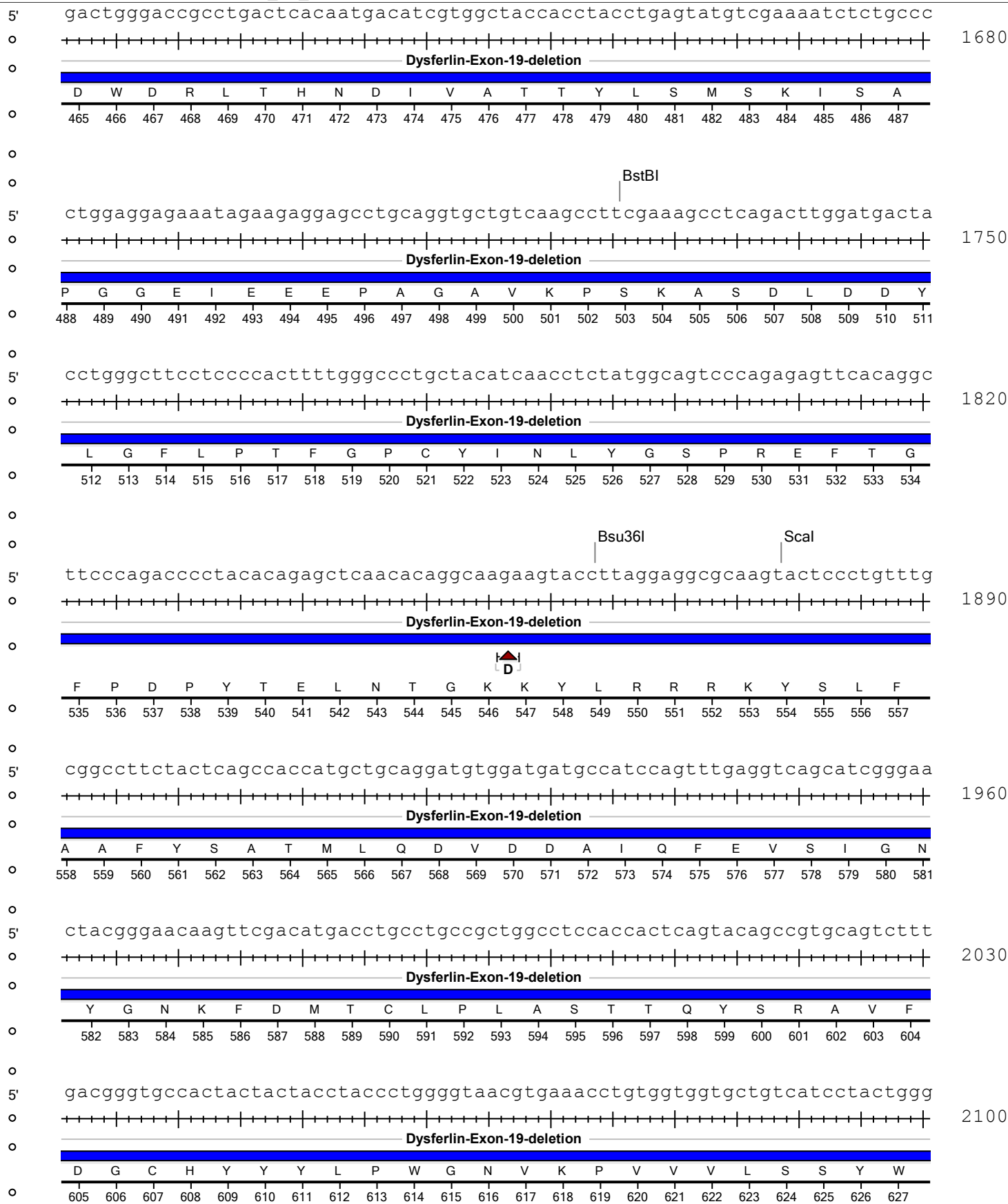
Dysferlin-Exon-19-deletion_in_pUC57-Kan



Dysferlin-Exon-19-deletion_in_pUC57-Kan



Dysferlin-Exon-19-deletion_in_pUC57-Kan



5' aggacatcagcccatagaatcgcgactcagaaccagtctgtggatttgctgaccggcttgggaagctggcct
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-19-deletion
E D I S H R I E T Q N Q L L G I A D R L E A G L
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' ggagcagggtccacctggccctgaaggcgagctgctccacggaggacgtggactcgctgggtggctcagctg
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-19-deletion
E Q V H L A L K A Q C S T E D V D S L V A Q L
652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674

5' acggatgagctcatcgcaggctgcagccagcctctgggtgacatccatgagacaccctctgccaccacc
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-19-deletion
T D E L I A G C S Q P L G D I H E T P S A T H
675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697

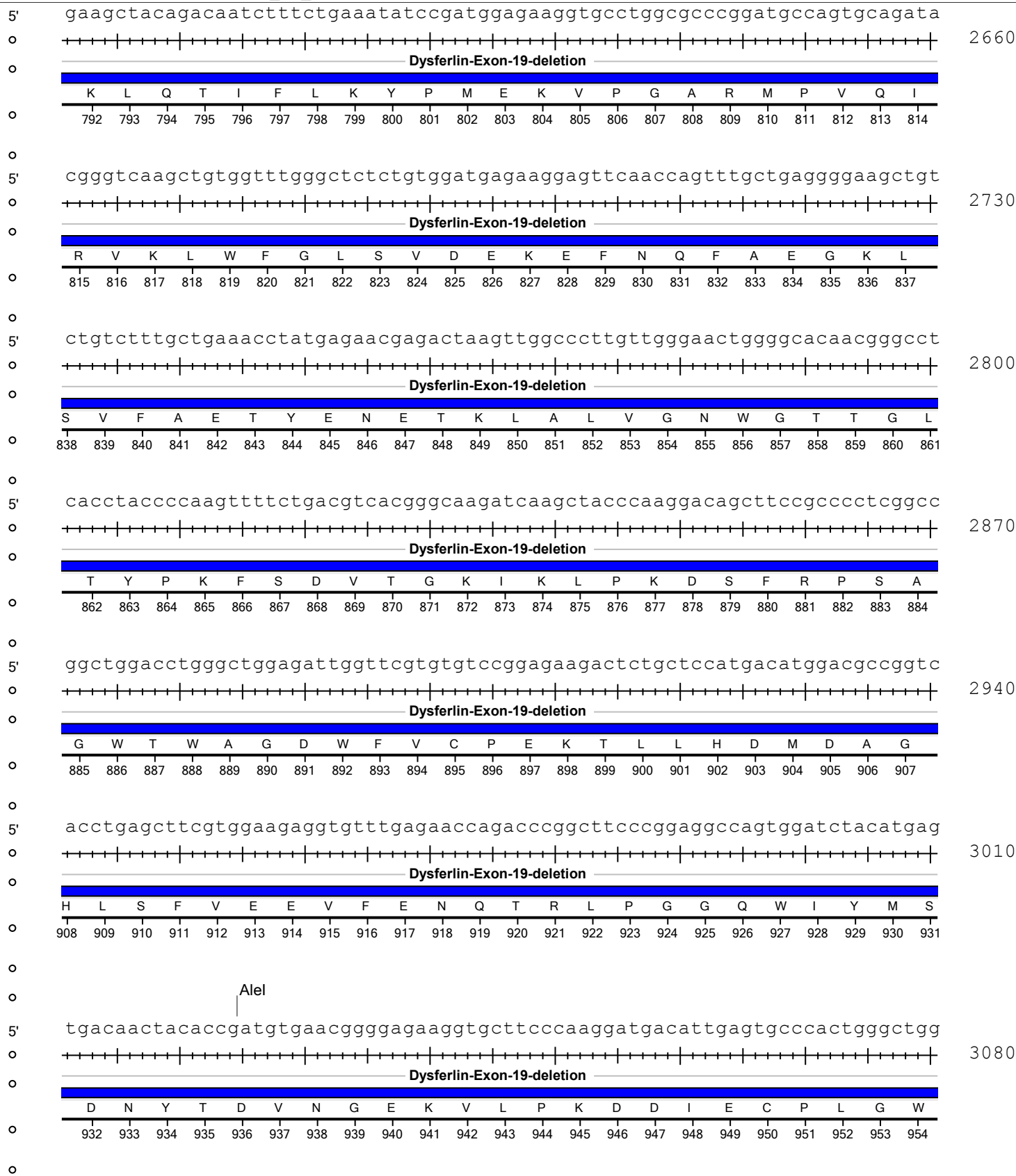
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+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-19-deletion
L D Q Y L Y Q L R T H H L S Q I T E A A L A L K
698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721

5' gctcgcccacagtgagctccctgcagctctggagcaggcgaggactggctcctgcgtctgcgtgcacctg
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-19-deletion
L G H S E L P A A L E Q A E D W L L R L R A L
722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744

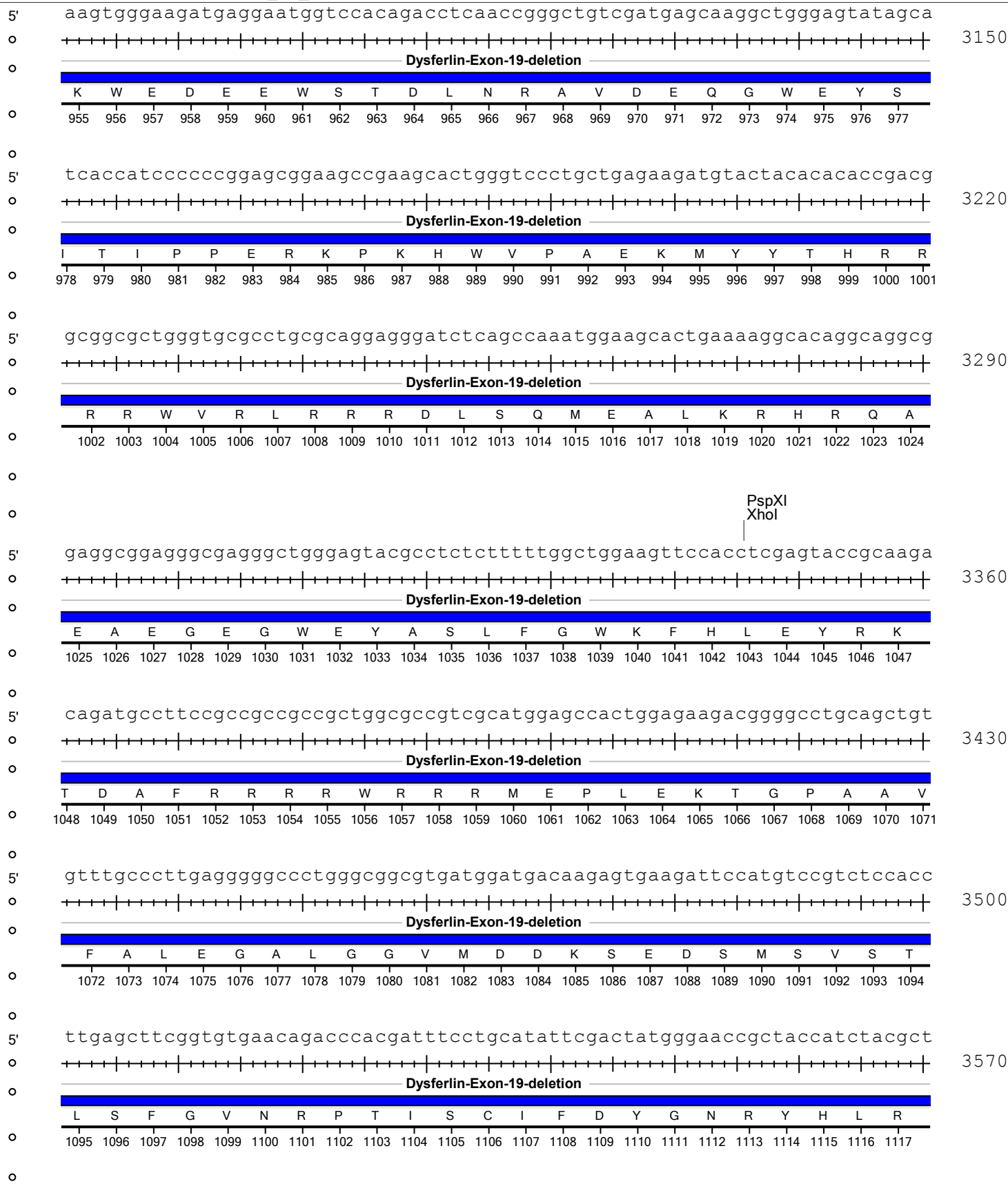
Tth111I
|
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+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-19-deletion
A E E P Q N S L P D I V I W M L Q G D K R V A
745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767

5' accagcgggtgcccgcaccaccaagtccctcttctcccgcggggtgcccaactactgtggcaagaattgtgg
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
Dysferlin-Exon-19-deletion
Y Q R V P A H Q V L F S R R G A N Y C G K N C G
768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791

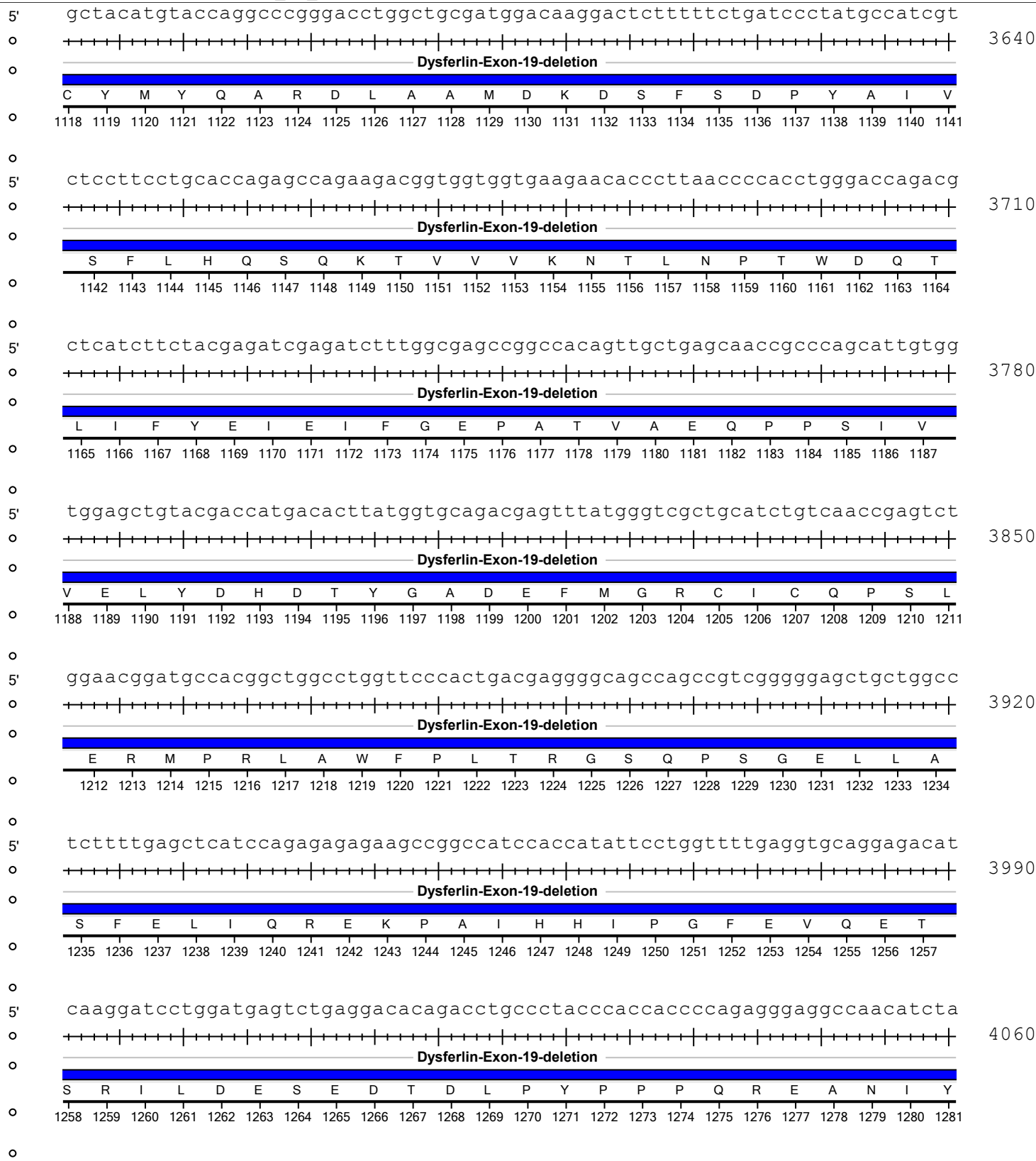
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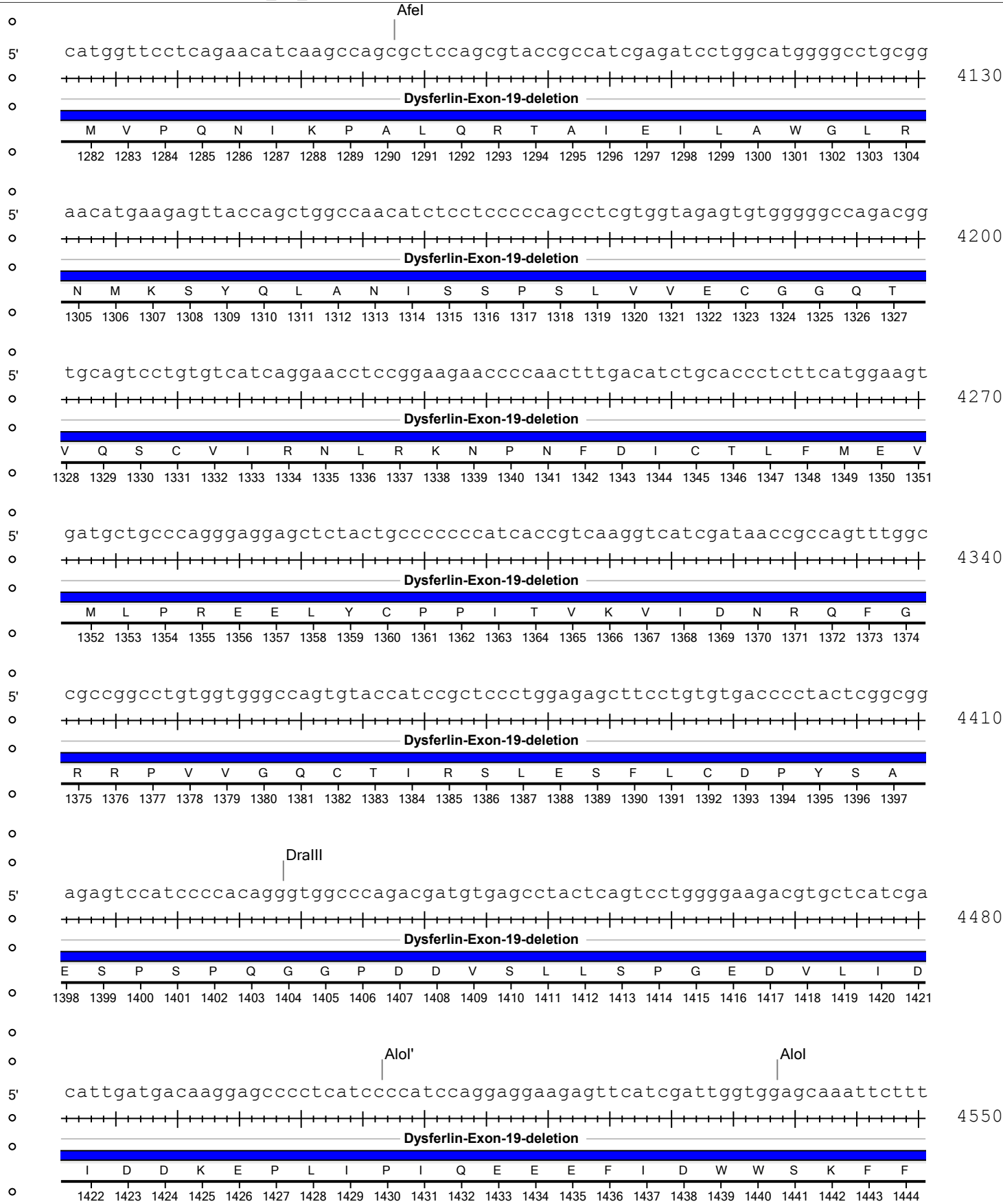
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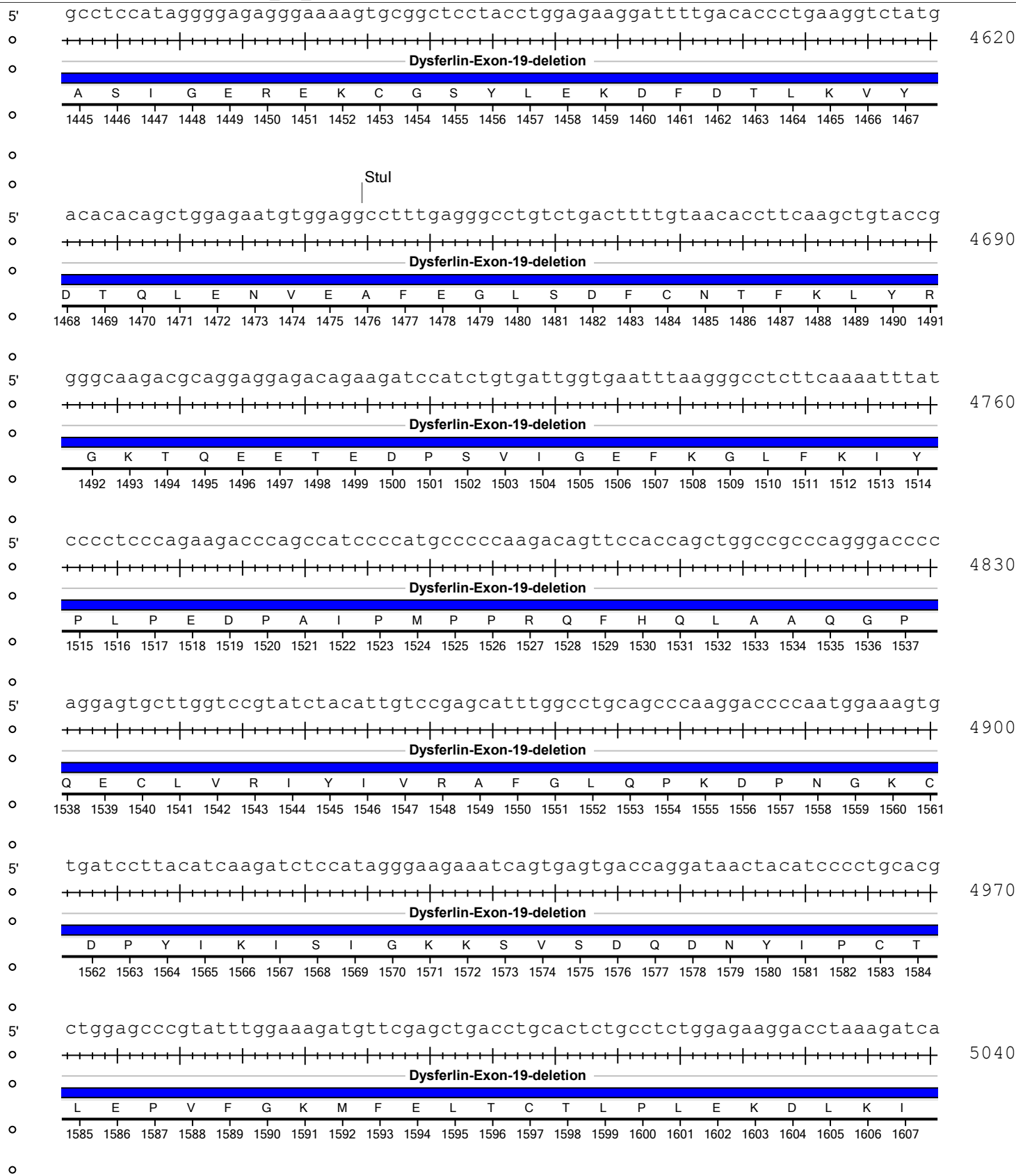
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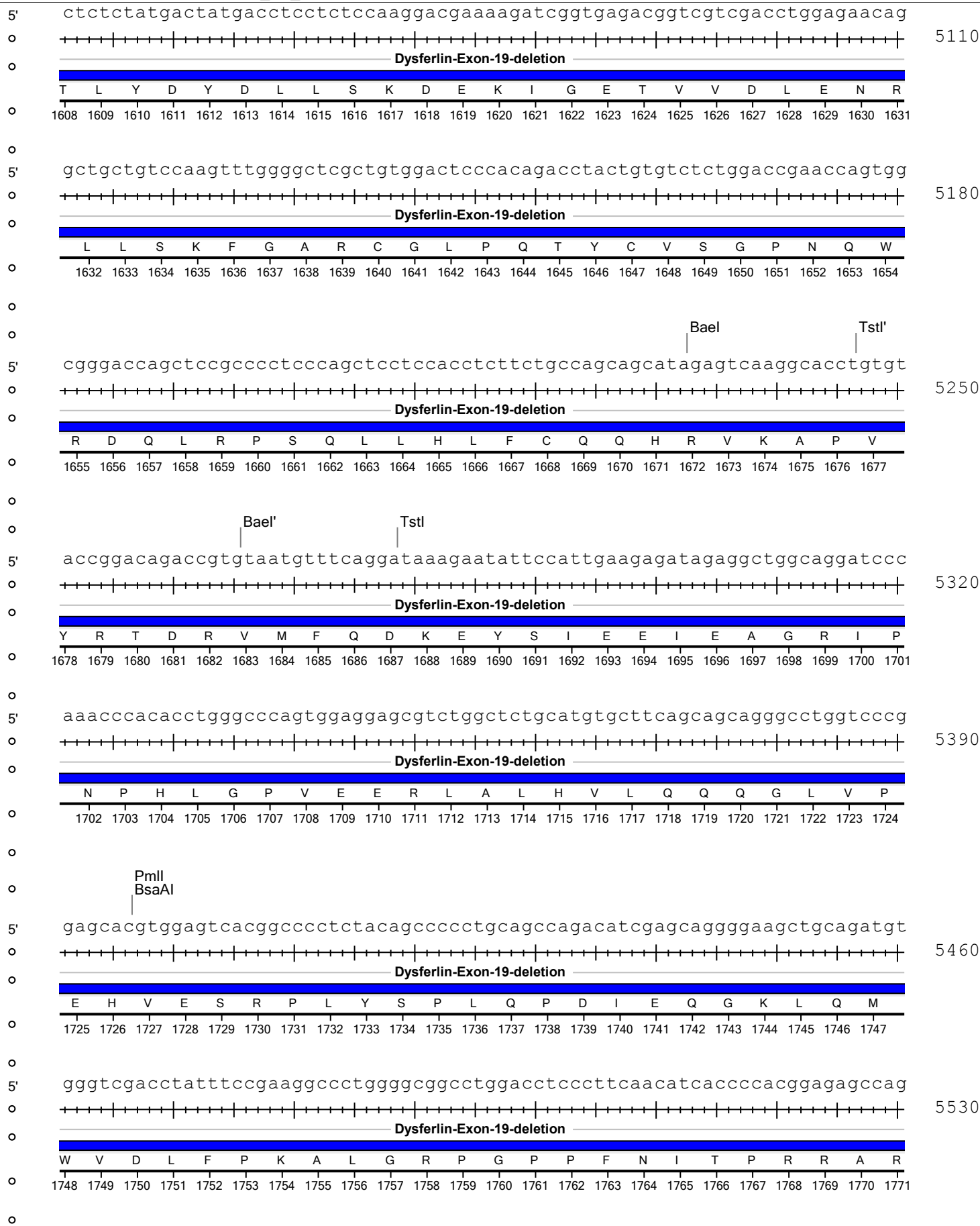
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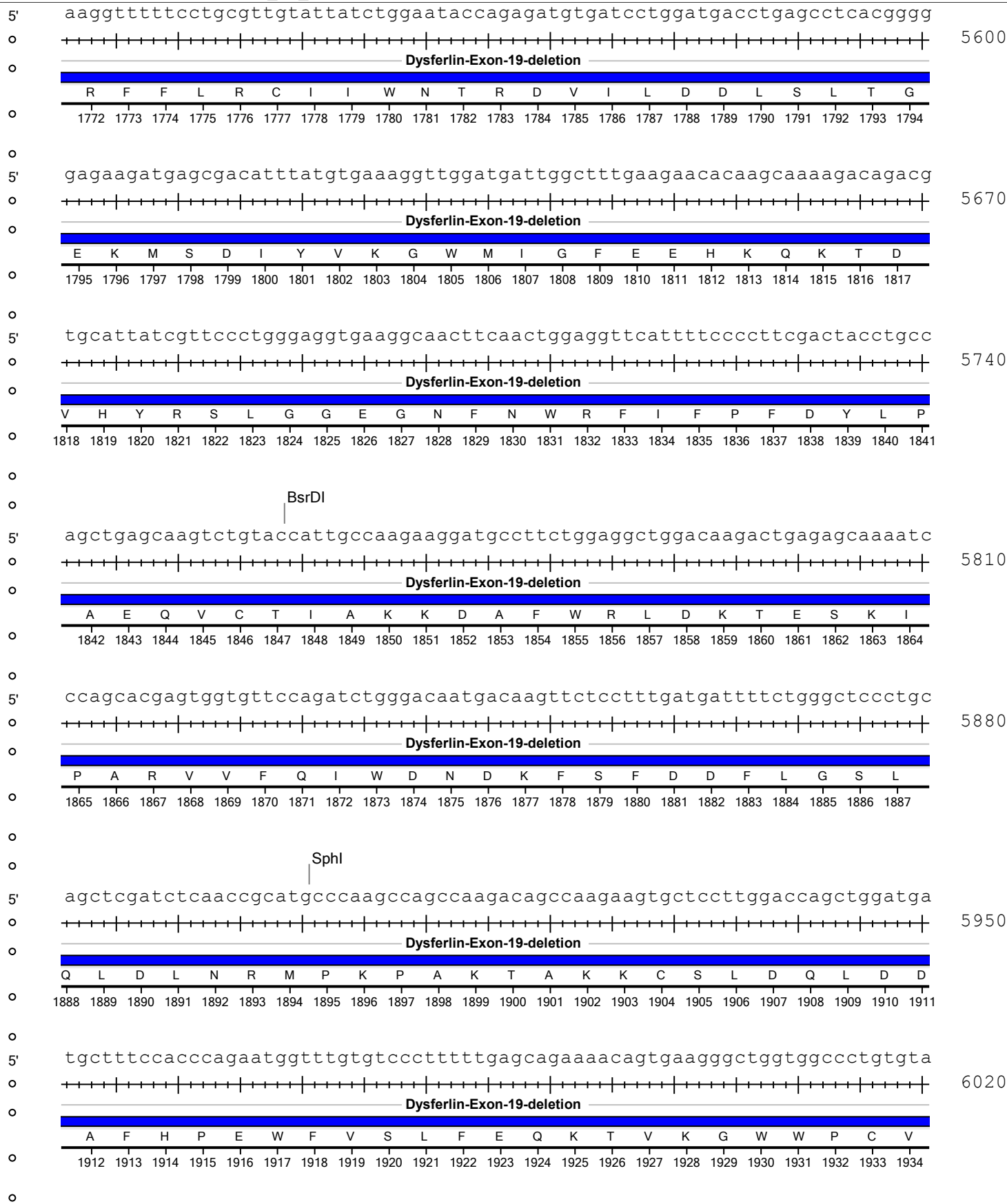
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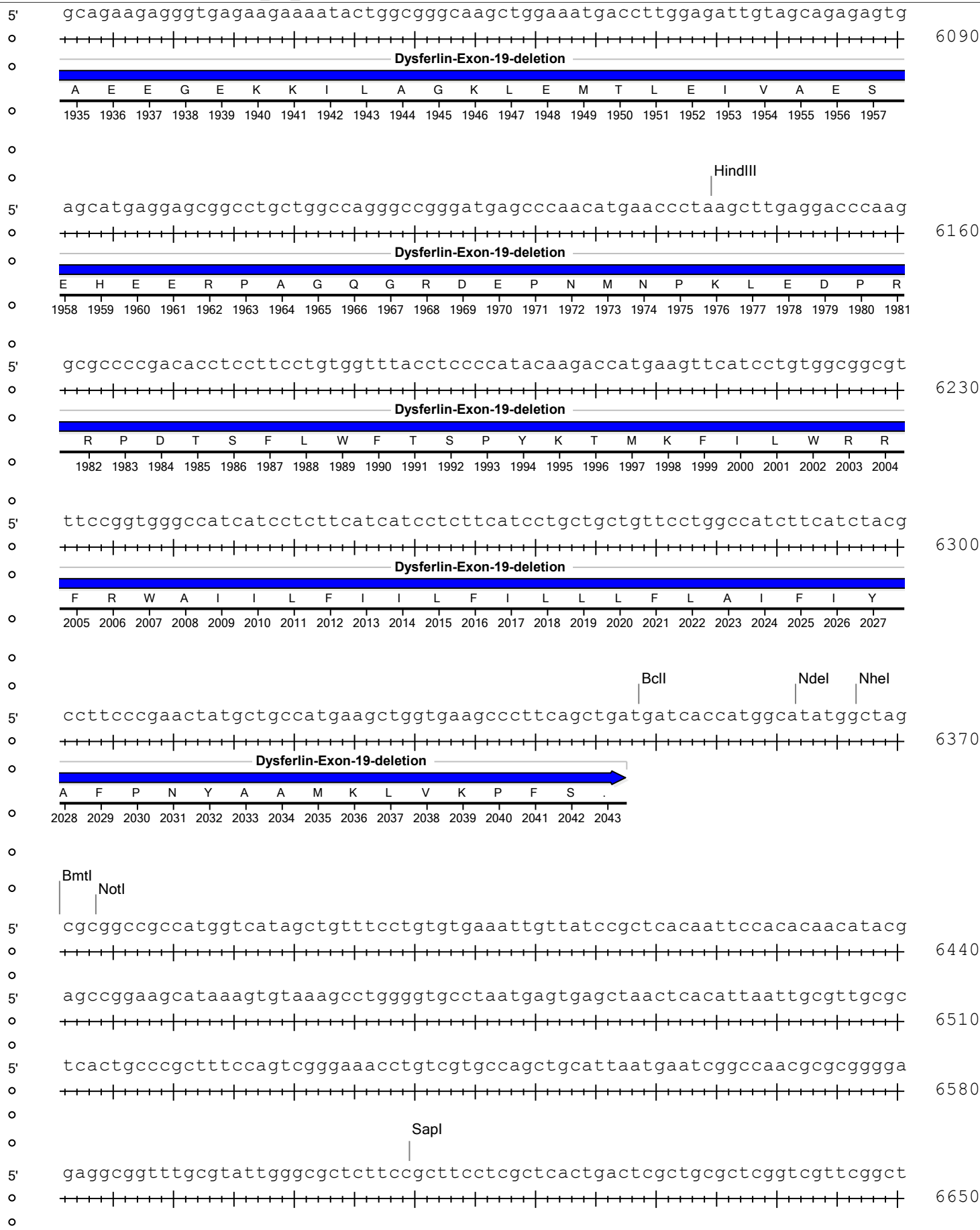
Dysferlin-Exon-19-deletion_in_pUC57-Kan



Dysferlin-Exon-19-deletion_in_pUC57-Kan



Dysferlin-Exon-19-deletion_in_pUC57-Kan



Dysferlin-Exon-19-deletion_in_pUC57-Kan

