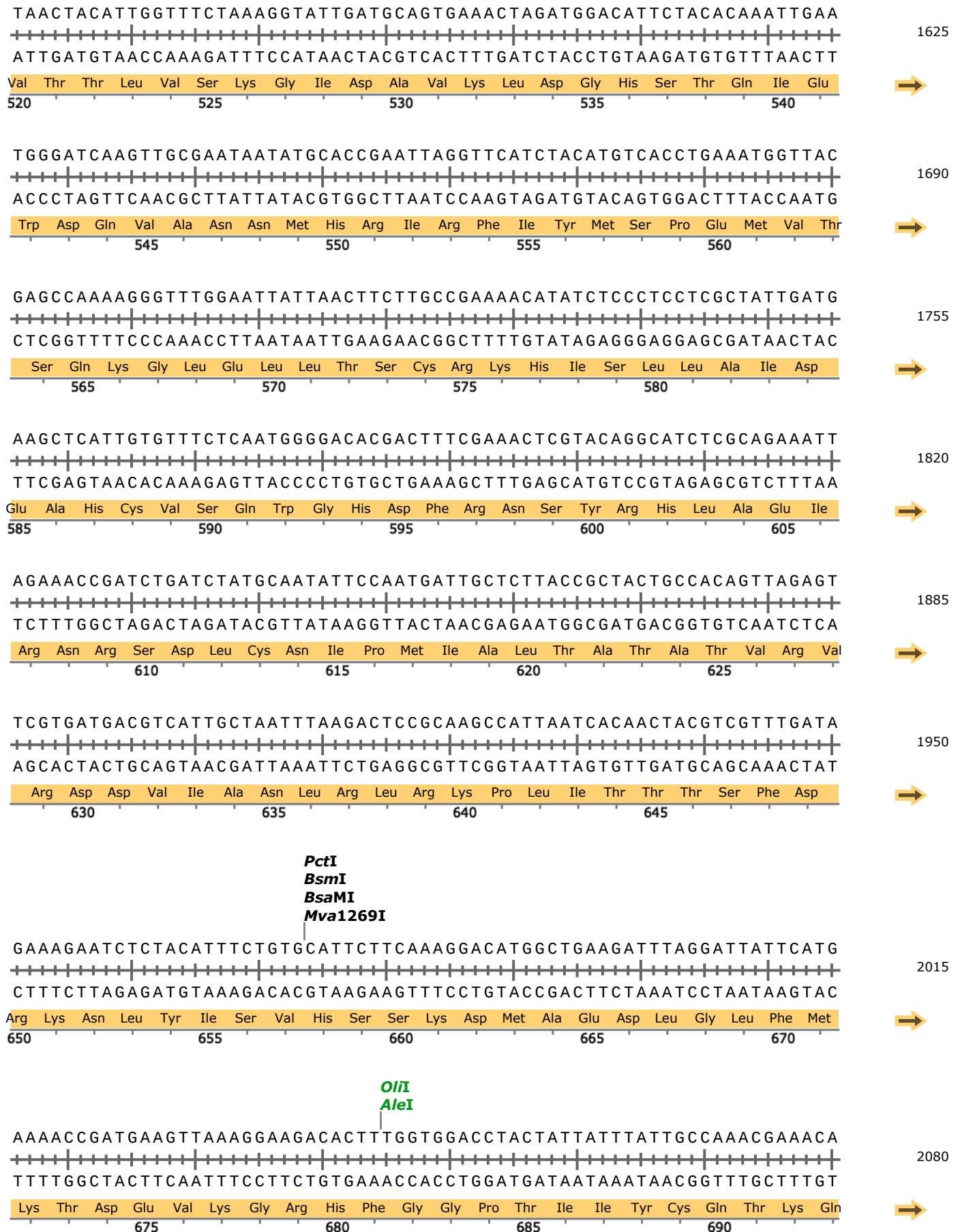
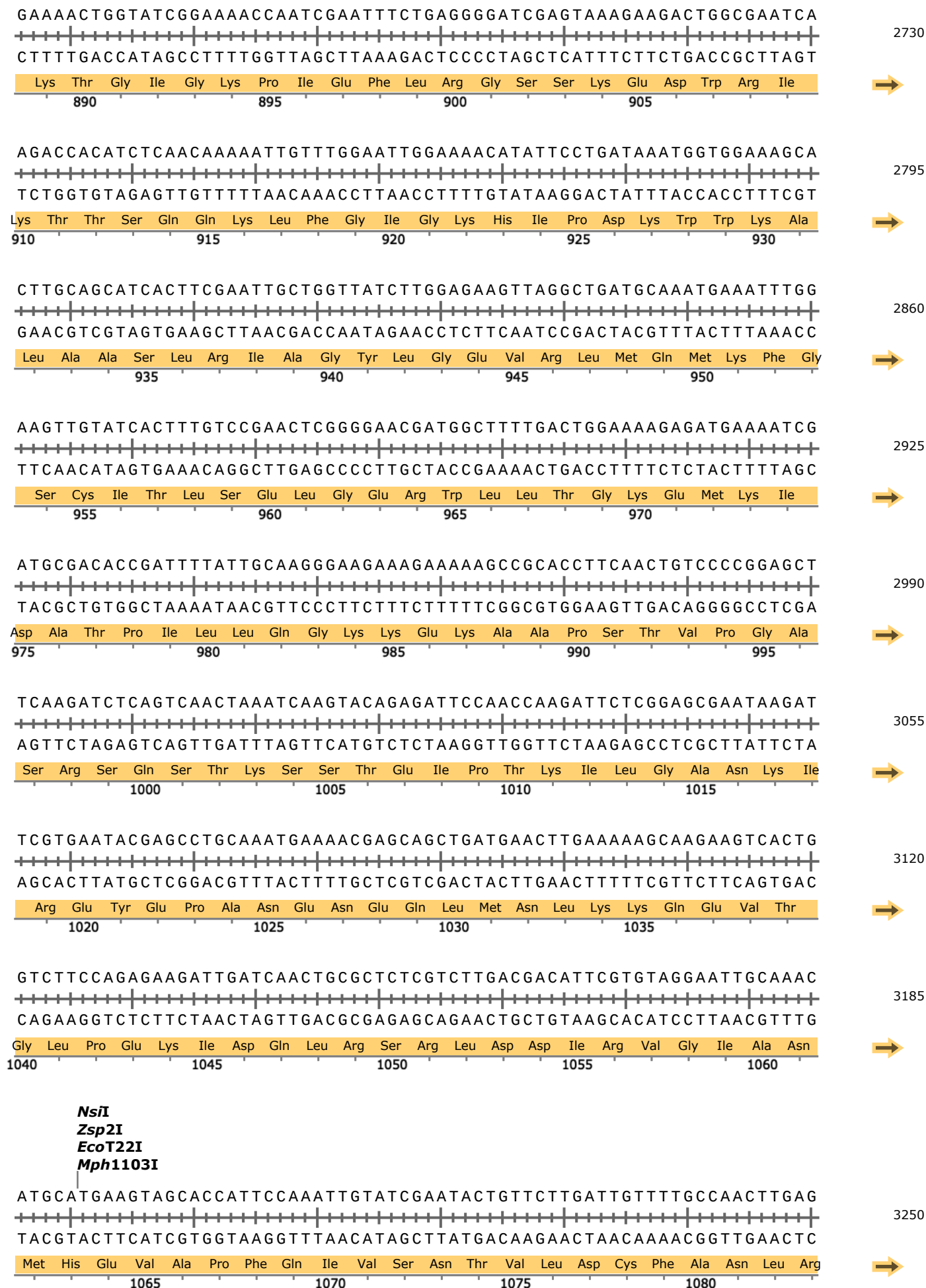


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325 330 335 340 345	
GATGAGACACAGGAAGTTCCGAAAATCAAAAGAGGATACACTCTGAGAACTCGAGCAAGTGTAAG	1105
CTACTCTGTGTCTTCAAGGCTTTTAGTTTTCTCCTATGTGAGACTCTTGAGCTCGTTCACATTT	
Asp Glu Thr Gln Glu Val Pro Lys Ile Lys Arg Gly Tyr Thr Leu Arg Thr Arg Ala Ser Val Lys	→
350 355 360 365	
GAACAAATGTGATGATTCATGGGATGATGGAATAGACGAAGAAGATGTCTCAAAAAGATCAGAAG	1170
CTTGTTTACTACTAAGTACCCTACTACCTTATCTGCTTCTTCTACAGAGTTTTTCTAGTCTTC	
Asn Lys Cys Asp Asp Ser Trp Asp Asp Gly Ile Asp Glu Glu Asp Val Ser Lys Arg Ser Glu	→
370 375 380 385	
ACACGTTAAATGATTCATTTGTTGATCCTGAATTCATGGATTCTGTTCTAGATAATCAATTAACG	1235
TGTGCAATTTACTAAGTAAACAACCTAGGACTTAAGTACCTAAGACAAGATCTATTAGTTAATTGC	
Asp Thr Leu Asn Asp Ser Phe Val Asp Pro Glu Phe Met Asp Ser Val Leu Asp Asn Gln Leu Thr	→
390 395 400 405 410	
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TAGTTTCCGTTTTTTCGTTAAAGAGCTACTACCTCTCAAAAAGTGCTTGGCCTTACAAGGAGTCTA	
Ile Lys Gly Lys Lys Gln Phe Leu Asp Asp Gly Glu Phe Phe Thr Asp Arg Asn Val Pro Gln Ile	→
415 420 425 430	
TGATGAAGCTACAAAAATGAAGTGGGCATCAATGACGTCACCTCCTCAAGAAGCTTTGAACGCAT	1365
ACTACTTCGATGTTTTTACTTCACCCGTAGTTACTGCAGTGGAGGAGTTCTTCGAAACTTGCGTA	
Asp Glu Ala Thr Lys Met Lys Trp Ala Ser Met Thr Ser Pro Pro Gln Glu Ala Leu Asn Ala	→
435 440 445 450	
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ACTTGCTTAAGAAGCCAGTATTTCTAAGGCTCTTTTCGTCACCCTACAACAGTCTTTACAAAAC	
Leu Asn Glu Phe Phe Gly His Lys Gly Phe Arg Glu Lys Gln Trp Asp Val Val Arg Asn Val Leu	→
455 460 465 470 475	
GGAGGAAAAGACCAATTTGTTCTTATGTCCACTGGTTATGGTAAAAGTGATGTTATCAGCTACC	1495
CCTCCTTTTCTGGTTAAACAAGAATACAGGTGACCAATACCATTTTCACATACAATAGTCGATGG	
Gly Gly Lys Asp Gln Phe Val Leu Met Ser Thr Gly Tyr Gly Lys Ser Val Cys Tyr Gln Leu Pro	→
480 485 490 495	
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TAGTGAAGAAGAGTTAAGCTACTGACAGCACCATAGAGGTAATTAAAGTAACTACTTACTAGTTC	
Ser Leu Leu Leu Asn Ser Met Thr Val Val Val Ser Pro Leu Ile Ser Leu Met Asn Asp Gln	→
500 505 510 515	



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695 700 705 710	
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Gly Leu Thr Lys Asn Gln Arg Glu Lys Ala His Thr Asp Phe Met Arg Asp Lys Ile Thr Thr Ile	→
715 720 725 730 735	
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CAACGCTGTCAACGTAAACCATAACCTTAACCTGTTTGGGCTGCAAGCTTTACACTAAGTAATGCC	
Val Ala Thr Val Ala Phe Gly Met Gly Ile Asp Lys Pro Asp Val Arg Asn Val Ile His Tyr Gly	→
740 745 750 755	
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Cys Pro Asn Asn Ile Glu Ser Tyr Tyr Gln Glu Ile Gly Arg Ala Gly Arg Asp Gly Ser Pro	→
760 765 770 775	
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CATAAACAGCACATAAGACCCGAGGCTTTCTAAACTTATGATATTTTAAATTTGAAGCTTTAAGC	
Ser Ile Cys Arg Val Phe Trp Ala Pro Lys Asp Leu Asn Thr Ile Lys Phe Lys Leu Arg Asn Ser	→
780 785 790 795 800	
CAGCAAAAAGAAGAAGTAGTTGAAAATCTTACAATGATGCTAAGACAACCTCGAGTTGGTTCTGAC	2470
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Gln Gln Lys Glu Glu Val Val Glu Asn Leu Thr Met Met Leu Arg Gln Leu Glu Leu Val Leu Thr	→
805 810 815 820	
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Thr Val Gly Cys Arg Arg Tyr Gln Leu Leu Lys His Phe Asp Pro Ser Tyr Ala Lys Pro Pro	→
825 830 835 840	
CTATGCAAGCTGATTGTTGTGATAGATGTACTGAAATGCTCAATGGAAATCAAGATTCATCATCC	2600
GATACGTTGACTAACAACACTATCTACATGACTTTACGAGTTACCTTTAGTTCTAAGTAGTAGG	
Thr Met Gln Ala Asp Cys Cys Asp Arg Cys Thr Glu Met Leu Asn Gly Asn Gln Asp Ser Ser Ser	→
845 850 855 860 865	
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TCATAACAACCTACAATGTTGTCTTAGCTTCACCAACAAAGTTCAATAATTGCTTTACATGTTGCC	
Ser Ile Val Asp Val Thr Thr Glu Ser Lys Trp Leu Phe Gln Val Ile Asn Glu Met Tyr Asn Gly	→
870 875 880 885	



BbvCI
Bpu10I

ACCTACCTCAGCCTCGAATCTCGAAATGATTGATGGAATGTCGGCTCAGCAGAAATCTAGATACG
 TGGATGGAGTCGGAGCTTAGAGCTTTACTAACTACCTTACAGCCGAGTCGTCTTTAGATCTATGC
 Pro Thr Ser Ala Ser Asn Leu Glu Met Ile Asp Gly Met Ser Ala Gln Gln Lys Ser Arg Tyr
 1085 1090 1095 1100

3315



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 Gly Lys Arg Phe Val Asp Cys Val Val Gln Phe Ser Lys Glu Thr Gly Ile Ala Thr Asn Val Asn
 1105 1110 1115 1120 1125

3380



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 Ala Asn Asp Met Ile Pro Pro Glu Leu Ile Ser Lys Met Gln Lys Val Leu Ser Asp Ala Val Arg
 1130 1135 1140 1145

3445

**BssNAI**
BstZ17I
Bst1107I

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 Arg Val Tyr Thr Glu His Leu Ile Ser Arg Ser Thr Ala Lys Glu Val Ala Thr Ala Arg Gly
 1150 1155 1160 1165

3510

**RruI**
NruI
BtuMI
Bsp68I

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 Ile Ser Glu Gly Thr Val Tyr Ser Tyr Leu Ala Met Ala Val Glu Lys Gly Leu Pro Leu His Leu
 1170 1175 1180 1185 1190

3575



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 1195 1200 1205 1210

3640



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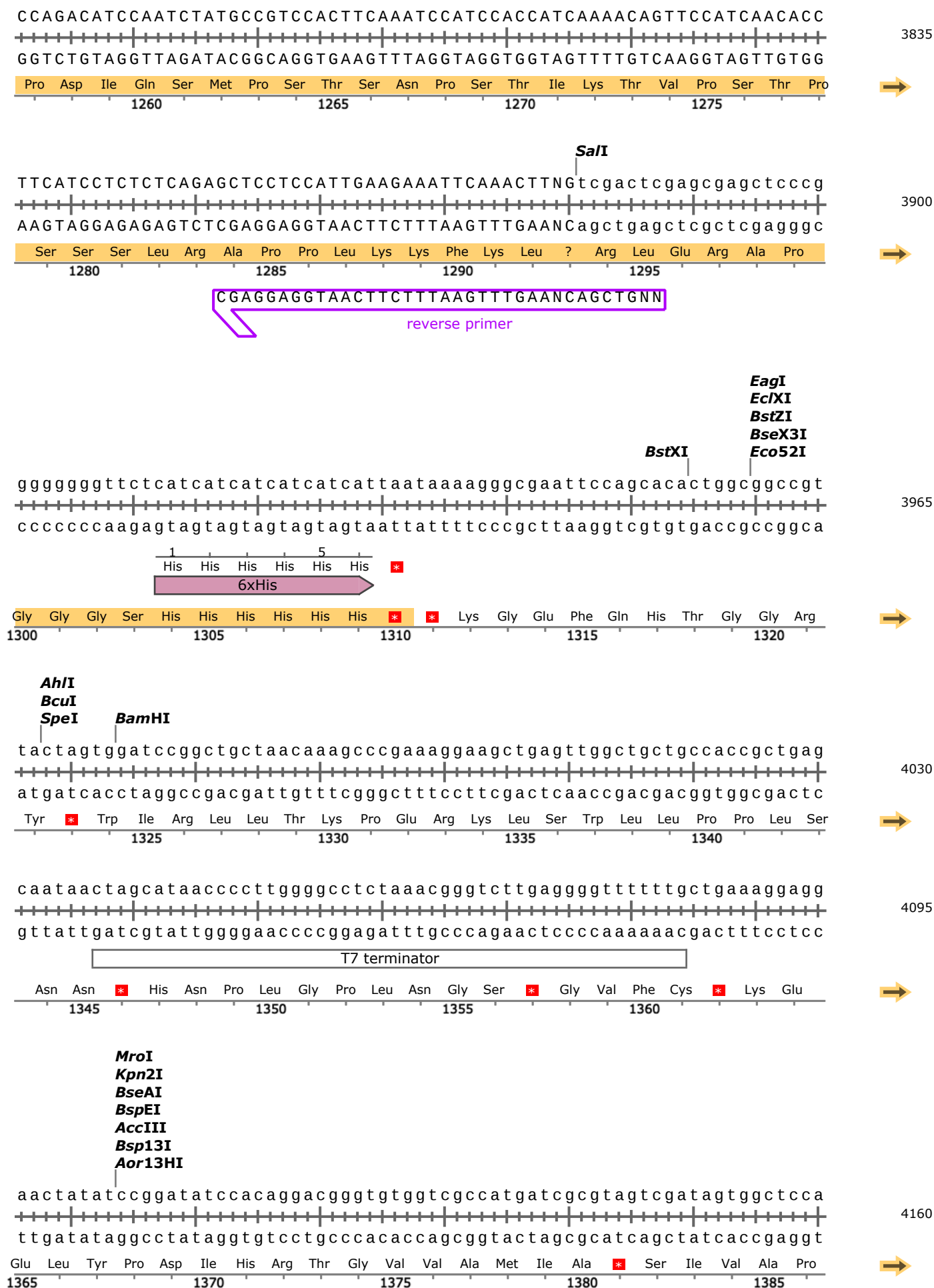
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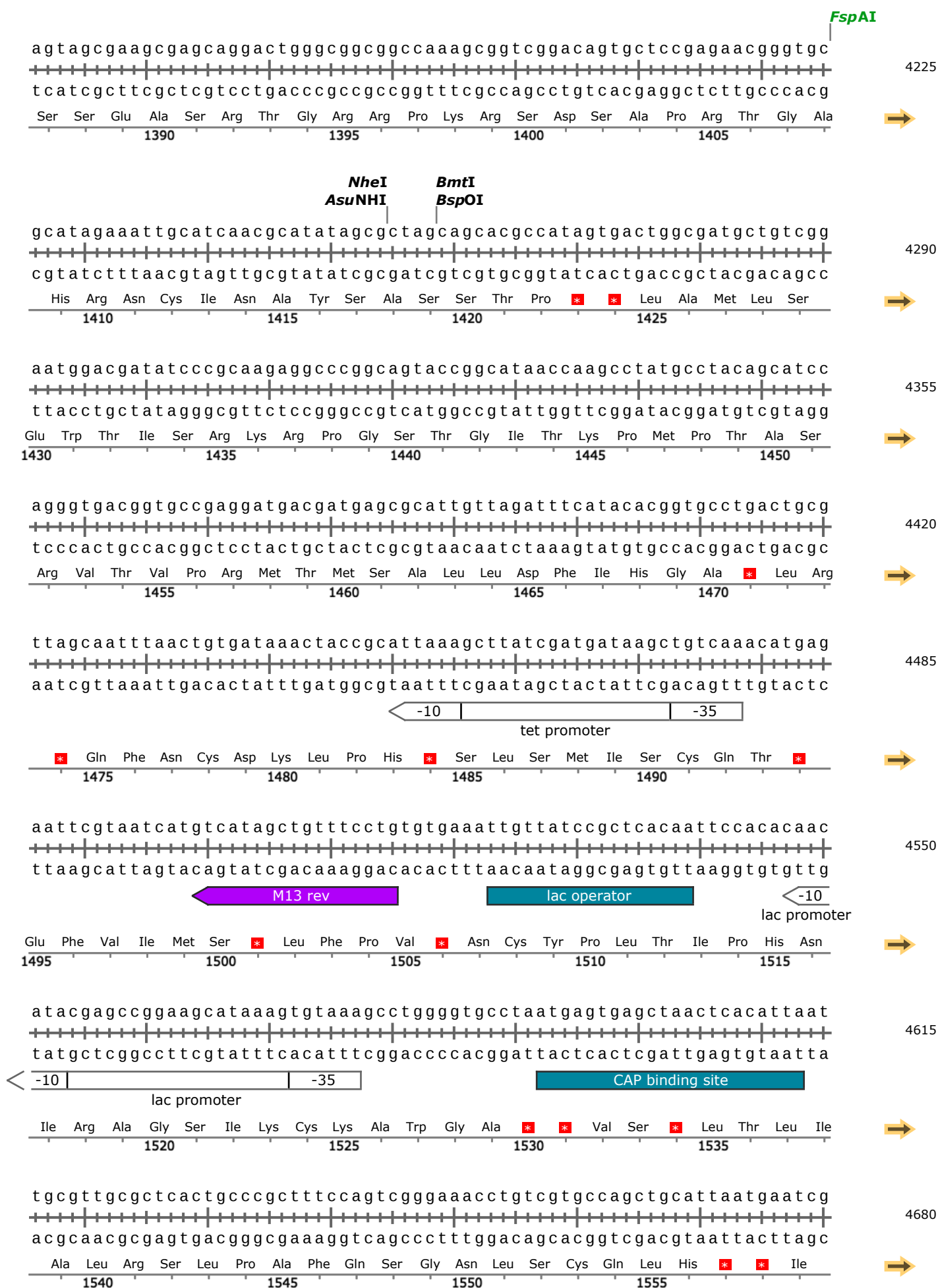


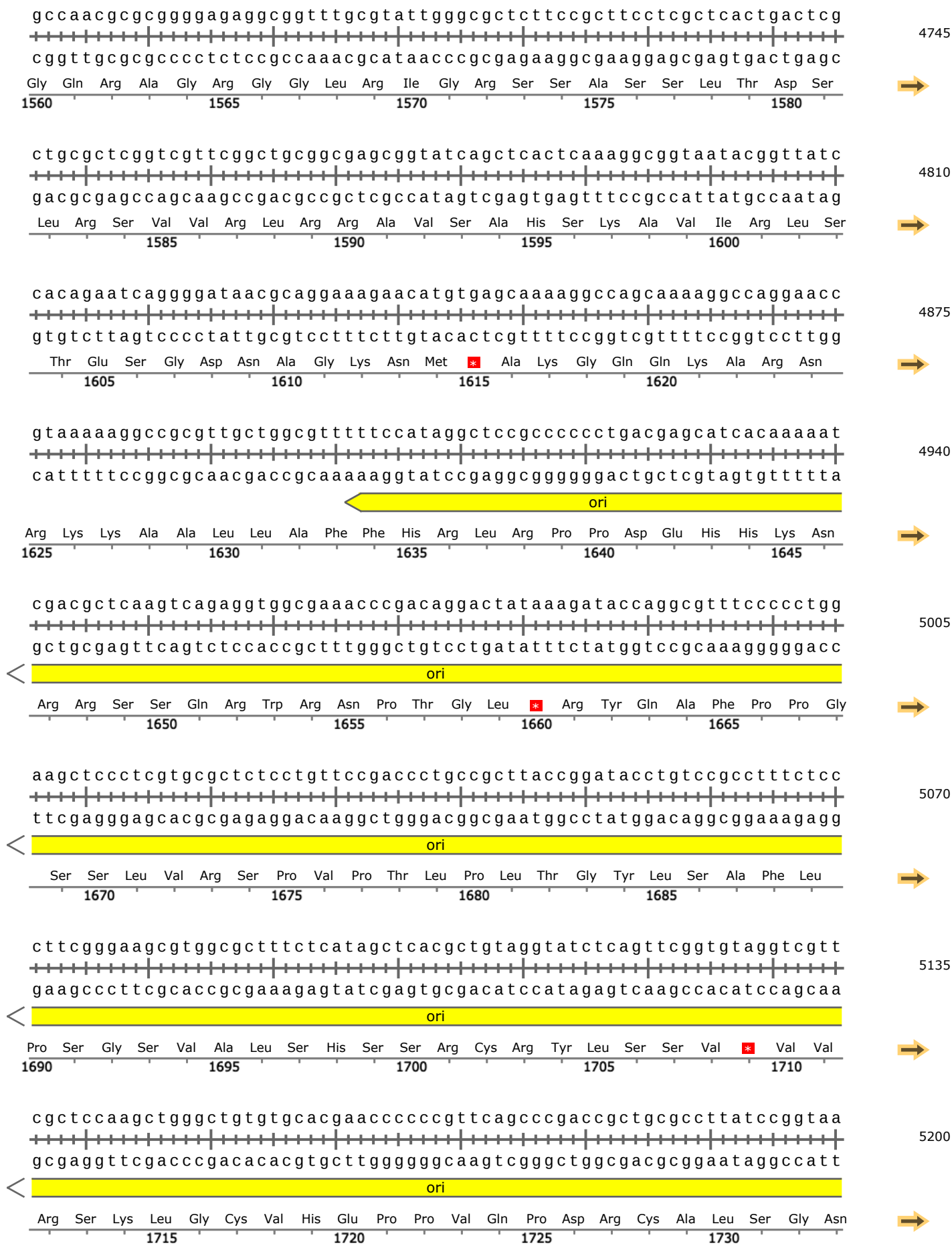
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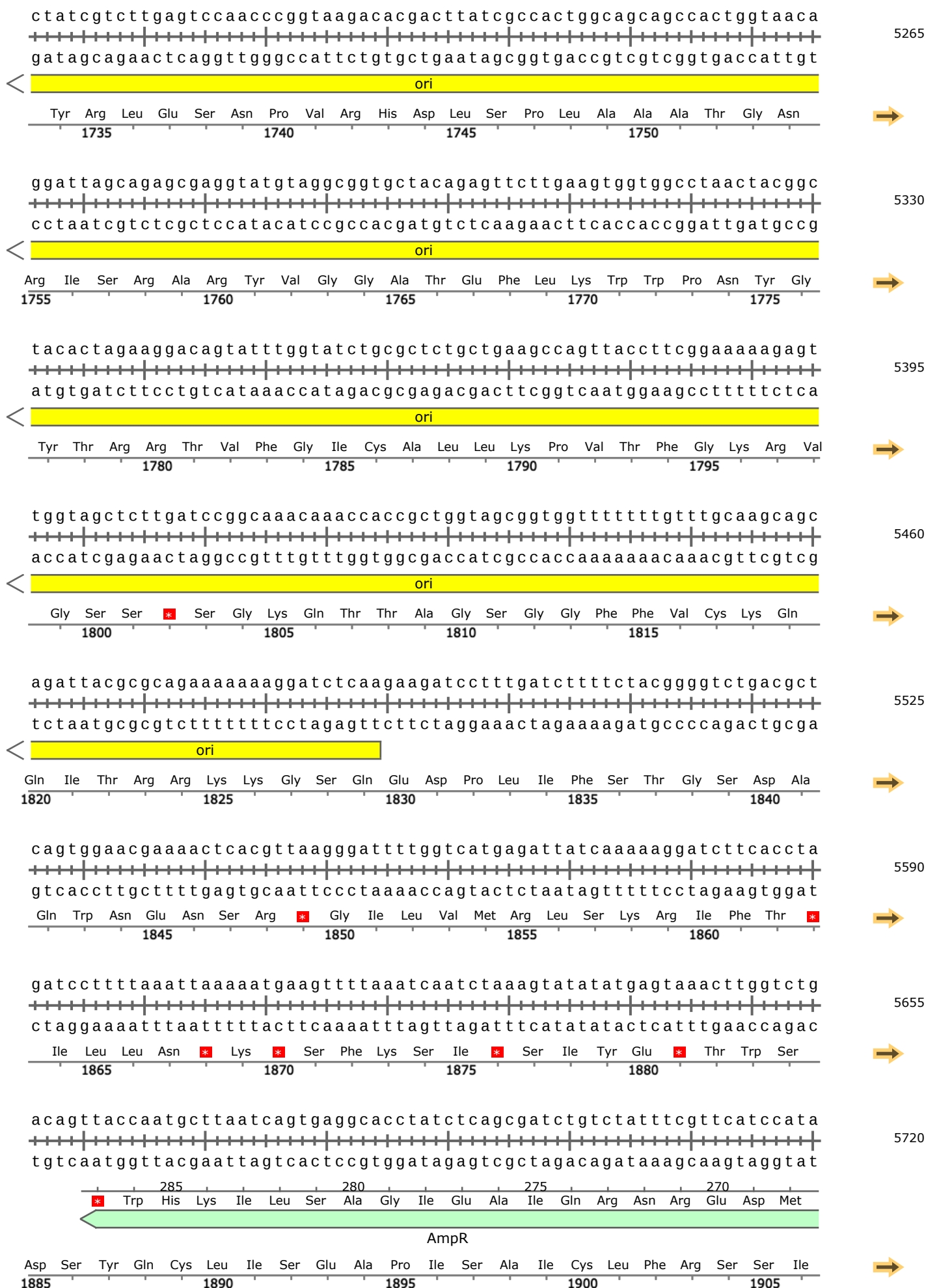
3770











DrI
AhdI
AspEI
BmeRI
Eam1105I

