Supplemental Material for "Gene models, expression repertoire and immune response of *Plasmodium vivax* Reticulocyte Binding Proteins" (Hietanen, Chim-Ong, et al.)

This supplemental file is organized into 4 sections, including

1. Table S1. Transcript abundance of *Pvdbp* and *Pvrbps* in 15 *P. vivax* patient blood samples (page 2)

2. Table S2 Antibody levels against each recombinant PvRBP in 41 *P. vivax* patients (page 3)

3. cDNA sequences of *Pvrbp* genes in the GenBank Flat File format. ID of the parasite isolate from which a segment of sequence was derived is listed as misc_feature (page 4-33)

4. Alignment of *Pvrbp* cDNA sequences above against those of the Sal-1 reference strain (page 34-169).

   For *Pvrbp2e*, which is absent from Sal-1, sequence alignment was made against the sequence of the Brazil-1 strain.

   Alignment was generated by ClustalW (www.genome.jp/tools/clustalw/). Predicted coding sequences was obtained from www.plasmodb.org/ for Sal-1 and www.broadinstitute.org for Brazil-1 on 16 November 2015.

TABLE S1 Transcript abundance of *Pvdbp* and *Pvrbps* in 15 *P. vivax* patient blood samples. Values were normalized by that of *Pvama1*.

Sample	Gene									
	Pvdbp	***Pvrbp 1a***	***Pvrbp 1b***	***Pvrbp 2a***	***Pvrbp 2b***	***Pvrbp 2c***	***Pvrbp 3***	***Pvrbp 2e***	***Pvrbp 2p1***	***Pvrbp 2d***
1	0.218	0.179	0.170	0.074	0.206	0.545	0.168	0.984	0.145	0.528
2	0.156	0.960	0.670	0.783	0.420	0.642	1.540	1.968	0.284	0.519
3	0.277	1.220	0.580	0.956	1.684	1.371	2.702	1.014	0.443	0.565
4	0.325	0.244	0.137	0.145	0.449	0.870	0.297	0.879	0.285	0.478
5	0.251	0.239	0.161	0.207	0.128	0.865	0.213	0.744	0.373	0.550
6	0.173	0.914	0.940	1.389	0.457	3.131	1.827	0.815	1.092	0.578
7	0.161	3.948	3.562	15.43	5.682	3.811	9.147	5.589	0.441	0.856
8	0.129	2.486	1.232	0.895	2.033	0.896	2.920	2.394	0.278	0.880
9	0.325	0.438	0.211	0.339	0.470	1.745	0.968	1.554	0.593	1.272
10	0.194	0.413	0.286	0.336	0.689	1.075	0.758	1.079	0.389	0.827
11	0.819	9.569	5.492	4.446	0.821	35.42	16.72	1.462	18.38	3.003
12	0.376	0.530	0.412	0.556	0.855	1.274	0.798	1.044	0.297	0.577
13	0.306	0.201	0.121	0.346	0.399	0.840	0.397	0.516	0.285	0.467
14	0.372	1.275	4.740	1.295	0.638	1.843	2.436	0.797	1.054	1.393
15	0.284	3.051	2.070	0.807	1.037	9.881	3.046	2.550	1.226	1.663

TABLE S2 Antibody levels against each recombinant PvRBP in 41 *P. vivax* patients.

Sample	Age (yr)	Parasitemia (%)	**Antibody level** (Δabs/min)				
			PvRBP1a	**PvRBP1b**	**PvRBP2a**	**PvRBP2b**	**PvRBP2c**
1	50	0.06	**0.208**	0.113	0.106	0.176	0.575
2	37	0.07	0.033	0.021	0.031	0.132	0.022
3	24	0.08	0.038	0.034	0.055	0.183	0.377
4	24	0.2	0.056	0.025	0.067	0.133	0.026
5	19	0.05	0.061	0.026	0.039	0.183	0.041
6	32	0.02	0.088	0.047	0.097	0.219	0.551
7	29	0.03	0.044	0.034	0.047	0.138	0.039
8	28	0.29	0.178	0.042	0.046	0.093	0.117
9	35	0.02	0.058	0.042	0.038	0.150	0.120
10	18	0.01	0.089	0.020	0.039	0.196	0.140
11	25	0.22	0.191	0.016	0.065	0.236	0.448
12	46	0.01	0.177	0.046	0.088	0.224	0.539
13	25	0.04	0.071	0.031	0.025	0.029	0.029
14	18	0.09	0.048	0.027	0.030	0.138	0.167
15	34	0.16	0.043	0.015	0.055	0.180	0.212
16	22	0.01	0.062	0.019	0.057	0.188	0.041
17	47	0.04	0.076	0.017	0.132	0.195	0.509
18	20	0.05	0.054	0.033	0.048	0.067	0.189
19	66	0.01	0.157	0.191	0.153	0.244	0.621
20	24	0.07	0.099	0.028	0.087	0.232	0.471
21	46	0.02	0.196	0.090	0.048	0.247	0.162
22	55	0.33	0.046	0.036	0.049	0.119	0.129
23	18	0.16	0.057	0.021	0.037	0.193	0.034
24	39	0.03	0.121	0.039	0.065	0.225	0.231
25	24	0.04	0.113	0.025	0.087	0.159	0.243
26	26	0.05	0.198	0.083	0.087	0.222	0.475
27	34	0.02	0.049	0.058	0.042	0.177	0.170
28	42	0.14	0.051	0.041	0.035	0.195	0.083
29	24	0.03	0.162	0.055	0.072	0.212	0.362
30	39	0.14	0.261	0.030	0.118	0.177	0.484
31	32	0.21	0.082	0.054	0.047	0.086	0.044
32	25	0.38	0.121	0.014	0.040	0.026	0.015
33	45	0.07	0.101	0.043	0.070	0.160	0.204
34	45	0.07	0.096	0.034	0.070	0.181	0.033
35	55	0.07	0.289	0.050	0.197	0.262	0.505
36	60	0.16	0.072	0.023	0.062	0.150	0.256
37	18	0.04	0.043	0.039	0.028	0.043	0.040
38	25	0.17	0.061	0.113	0.046	0.145	0.140
39	36	0.09	0.177	0.097	0.069	0.130	0.563
40	23	0.02	0.153	0.104	0.078	0.178	0.252
41	38	0.01	0.061	0.041	0.054	0.135	0.216
naive	35	-	0.050	0.036	0.012	0.026	0.022

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LOCUS       Pvrbp2p1                1869 bp    mRNA    linear   INV 09-NOV-2015
DEFINITION  Reticulocyte binding protein 2p1 cDNA, full length CDS.
ACCESSION   Pvrbp2p1
VERSION
KEYWORDS    .
SOURCE      Plasmodium vivax (malaria parasite P. vivax)
  ORGANISM  Plasmodium vivax
            Eukaryota; Alveolata; Apicomplexa; Aconoidasida; Haemosporida;
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LOCUS       Pvrbp2d                 8492 bp    mRNA    linear   INV 09-NOV-2015
DEFINITION  Reticulocyte binding protein 2d cDNA, pseudo gene.
ACCESSION   Pvrbp2d
VERSION
KEYWORDS    .
SOURCE      Plasmodium vivax (malaria parasite P. vivax)
  ORGANISM  Plasmodium vivax
            Eukaryota; Alveolata; Apicomplexa; Aconoidasida; Haemosporida;
            Plasmodiidae; Plasmodium; Plasmodium (Plasmodium).
COMMENT
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ACCESSION   Pvrbp2dtr
VERSION
KEYWORDS    .
SOURCE      Plasmodium vivax (malaria parasite P. vivax)
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DEFINITION  Reticulocyte binding protein 2e cDNA, pseudo gene.
ACCESSION   Pvrbp2e
VERSION
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SOURCE      Plasmodium vivax (malaria parasite P. vivax)
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6601 gtgcattaaa taaatacttt gatactaata ggataaataa ttaccagttg aaaaatttgg
6661 aagaagtaat taaacacgct aatgatttta acgtaaagga aaaagaagca acgggaatag
6721 ttaacgaaat taaaaaagaa ttcctagacc taagtcggga ggtagaaatg aatttcttaa
6781 atagcagcaa agaaaaaatt atggaacatt acaaaaatct gaaagataaa ataaagagca
6841 ttaacgaagt ttataaaaat atcaacttgg taaaattgaa agaaatggaa agtagctcag
6901 ataagtactt agaaatagca gggaaattta aaaatgtgct agatactcaa ataacaaggc
6961 tgttggataa tcatatggtg ctacaagata tcgaaaaaaa tataacagaa aatgaagggg
7021 aactgaaagg tattagtaat acatacacac tacagtccat ccaaaagttt aacaatgtgt
7081 gtaagaatat tgagaccaat atgcagaagc tgcatgaagt agagcagtag aataacagtg
7141 aggaaaaaca ggtgaaagcc tgtatagaaa atgtgtccca tcttataaac agaggaaaca
7201 atttgttgac cgatttaaat gattacgatg tagtaagcca tagtgcggcg aaagaaataa
7261 ctgatgagag tacaaaagag tacattacaa agattaaagg aaaggtaaat aataccatag
7321 aggcatttca aaaggtgtta gaaaacattc aggaaaataa atcgcacaca cagaacaatg
7381 gagatttaaa taaaggcata tacgaaatat ggaaaagggc taacgaaatt aaggcaaact
7441 tcacggaaaa ttttccagaa aatgataact actttcaagt gggggattat ctaaaggata
7501 taaaaaacat tttgaacgaa actgttggag gtgccaacat agaggaatat atcaaaagcg
7561 tttctcaaaa tattgaagaa caaataaagg gtacacaaaa tcatcgtaat gtggaatcca
7621 ttttaaaagc caaaaaaaag attcaatctt ataatgaaga ggcaaacaaa acattacaat
7681 ctatgaacac tgctcaggat aaaattttgt taaagaaaaa agacatggat aatatattta
7741 gtattctatc cgtaaatatg aagaatagtg tgtacataaa tacgaaaaaa tatattaacg
7801 aggtggatga tttatttaac aagttaaaag tggatgtaca taagttggaa aattttataa
7861 atgatactga actgagaata aagcagttag aggaagagga agctaagctc aaaattaaga
7921 atgcagttaa tggtgatttg aatgagcatt ctgaggatgc ttctcgtgat gaggacgacg
7981 aaccattagg tgaggttacg caaaattcag attcggaagg gtcaagtgat aaccaaaata
8041 ggcgtaaacg aaatggtgca agtagccatt caaaaggaaa ttcttctaat aactctttga
8101 ataatgtgca tggattaaaa gaagataata aaactggtga caaccattct gatgacaatc
8161 agaaagaaga atctcataat ggaagtaata attcgggtgg aaaaggctca cgggagaggt
8221 tcagatatgc tggaggaatt acgctagcat tttttatttg ctcaagtgct ggattcgcaa
8281 tcattaaata taaaaatcat gaatcacaag aagccgattt cggaacagac aaggagcact
8341 ttgaggggga taaagatttt aataaacggg aaaaggagga aattattgaa gtttctttta
8401 acgaaaatga acactatgaa tga
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Alignment: Pvrbp1a

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
1a_SalI      ATGAAAAGGG GGATTTGCCT AGCAGCGCTT CTTTGCCTGT TCAACTATTT AGGTGCAGGG
1a_Thai      ATGAAAAGGG GGATTTGCCT AGCAGCGCTT CTTTGCCTGT TCAACTATTT AGGTGCAGGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                65         75         85         95        105        115
1a_SalI      CACGGAGAAA ATGCAGAAGA AGACATAAGG AATAGCGAAG GGAAAGTAAA CTTCTTTTCG
1a_Thai      CACGGAGAAA ATGCAGAAGA AGACATAAGG AATAGCGAAG GGAAAGTAAA CTTCTTTTCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               125        135        145        155        165        175
1a_SalI      CTGGATTCTA ATTTAAAGAA AAATAAAAAG TCGAAACATA ATAGGGTGAA AAGAAGGAAC
1a_Thai      CTGGATTCTA ATTTAAAGAA AAATAAAAAG TCGAAACATA ATAGGGTGAA AAGAAGGAAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               185        195        205        215        225        235
1a_SalI      GCGAAAATTT CGAACTTTCT AAGCCAAAAA GCGTATGTTA AAGAAACAGA TAACGCAAGT
1a_Thai      GCGAAAATTT CGAACTTTCT AAGCCAAAAA GCGTATGTTA AAGAAACAGA TAACGCAAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               245        255        265        275        285        295
1a_SalI      GGAAAAGACG CTGAAGGATC ACGTCCGTCT CATGATTCAT CGTTTGTTAA CTTAAACGGT
1a_Thai      GGAAAAGACG CTGAAGGATC ACGTCCGTCT CATGATTCAT CGTTTGTTAA CTTAAACGGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               305        315        325        335        345        355
1a_SalI      CATGTCGATG GAAAAAGTTT ATCATACAGC GTTCATGTAA AAGAAAGTAC ACCACATAGT
1a_Thai      CATGTCGATG GAAAAAGTTT ATCATACAGC GTTCATGTAA AAGAAAGTAC ACCACATAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               365        375        385        395        405        415
1a_SalI      ACTACGCGGG AGAGCACGGA AAAGGGAAAA GAAAATGAGA AAATACAGGG TGTCCTAAGC
1a_Thai      ACTACGCGGG AGAGCACGGA AAAGGGAAAA GAAAATGAGA AAATACAGGG TGTCCTAAGC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               425        435        445        455        465        475
1a_SalI      TCTTTTGTGC AAAGCCAAGA AGGGGGAGAA TCAGACGATT TGGAGGGAAT GTACAATTCT
1a_Thai      TCTTTTGTGC AAAGCCAAGA AGGGGGAGAA TCAGACGATT TGGAGGGAAA GTACAATTCT
Conservation ********** ********** ********** ********** **********: **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               485        495        505        515        525        535
1a_SalI      ATAGTTGATA TGAGCGAGAA ACTGAAAGAA AATGATAAGT ATAACCTAGT GTTTGACATG
1a_Thai      ATAGTTGATA TGAGCGAGAA ACTGAAAGAA AATGATAAGT ATAACCTAGT GTTTGACATG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               545        555        565        575        585        595
1a_SalI      GAGATTGATT TTGTTGACTT ACAATTTTTT AATCTAATTC TGGAGCTGAT TCCAAAGGAC
1a_Thai      GAGATTGATT TTGTTGACTT ACAATTTTTT AATCTAATTC TGGAGCTGAT TCCAAAGGAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               605        615        625        635        645        655
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1a_SalI      AGTCAATACC ATACCTACTA TGAGGAAACA CTTAAACAGC AAGTTACAGA ATACACAAAT
1a_Thai      AGTAAATACC ATACCTACTA TGAGGAAACA CTTAAACAGC AAGTTACAGA ATACACAAAT
Conservation ***.****** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                665        675        685        695        705        715
1a_SalI      TCGTTGAAAA CGTTAATGGA TTCATGCATA TCTGAAAAAG ATCAAATGAT CATATTAGAG
1a_Thai      TCGTTGAAAA CGTTAATGGA TTCATGCATA TCTGAAAAAG ATCAAATGAT CATATTAGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                725        735        745        755        765        775
1a_SalI      TATGAGATTA ATTATGCCAA GAGGAAGTCC ATAGAAACAG AGACGTTGGG TGATAAGGAA
1a_Thai      TATGAGATTA ATTATGCCAA GAGGAAGTCC ATAGAAACAG AGACGTTGGG TGATAAGGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                785        795        805        815        825        835
1a_SalI      ACAAAACTCT CAGCAGTATC TCAAGCCTAT GCAAAACATC TAGAATCGTA TAAGGGAGTA
1a_Thai      ACAAAACTCT CAGCAGTATC TCAAGCCTAT GCAATACATC TAGAATCGTA TAAGGGAGTA
Conservation ********** ********** ********** ****:***** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                845        855        865        875        885        895
1a_SalI      TTAAAGCCCA AATTAAATGA TATAAAAAAT AATGCCTTTT CAGTTTTGAA GGATTCCTAC
1a_Thai      TTAAAGCCCA AATTAAATGA TATAAAAAAT AATGCCTTTT CAGTTTTGAA GGATTCCTAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                905        915        925        935        945        955
1a_SalI      TGTAAGGATA ACTGTGGGGA ATATGTGCAG AAATATAATA CAATGCGCAA GAATTTTATA
1a_Thai      TGTAAGGATA ACTGTGGGGA ATATGTGCAG AAATATAATA CAATGCGCAA GAATTTTATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                965        975        985        995       1005       1015
1a_SalI      TCAAGTTCAG ATCAGTATAA AATGGAAGCA TATATGTACA TTCCGAAGAG CATTAACGAT
1a_Thai      TCAAGTTCAG ATCAGTATAA AATGGAAGCA TATATGTACA TTCCGAAGAG CATTAACGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1025       1035       1045       1055       1065       1075
1a_SalI      TATACAGTGC TAGATAAAAT TTTATCAGAA TCTAACGAAC TAGGTATAGA CATTCAAGAA
1a_Thai      TATACAGTGC TAGATAAAAT TTTATCAGAA TCTAACGAAC TAGGTATAGA CATTCAAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1085       1095       1105       1115       1125       1135
1a_SalI      ACTGTTAATT CGCTGAAGCT GTTAGGAGAA GAAATTAGTG AAGTTTCCCA TTTGTATGTC
1a_Thai      AATGTTAATT CGCTGAAGCT GTTAGGAGAA GAAATTAGTG AAGTTTCCCA TTTGTATGTC
Conservation *.******** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1145       1155       1165       1175       1185       1195
1a_SalI      ATTAACAGTA CGTTAATTGA CGATGCAGCC AAAAAATTAG AATCCATAAA TGAAGAGGAC
1a_Thai      ATTAACAGTA CGTTAATTGA CGATGCAGCC AAAAAATTAG AATCCATAAA TGAAGAGGAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1205       1215       1225       1235       1245       1255
1a_SalI      GAATCTGCAG AAATAGATTT ACAAAAATTT GAAGATAATT CCAAAGCGCT AGCAAACAAC
1a_Thai      GAATCTGCAG AAATAGATTT ACAAAAATTT GAAGATAATT CCAAAGCGCT AGCAAACAAC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1265       1275       1285       1295       1305       1315
1a_SalI     TACTGCATTT TTCAATACAT AAAAACGCTT AACGAACCAA TTAAGAAAGC ATATGAAAGT
1a_Thai     TACTGCATTT TTCAATACAT AAAAACGCTT AACGAACCAA TTAAGAAAGC ATATGAAAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1325       1335       1345       1355       1365       1375
1a_SalI     AAGGTAATAA AATCTAATGA ACTACTGTCT ACCATTATAG ACACGTTAGG AAAAAGTGCT
1a_Thai     AAGGTAATAA AATCTAATGA ACTACTGTCT ACCATTATAG ACACGTTAGG AAAAAGTGCT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1385       1395       1405       1415       1425       1435
1a_SalI     ACTGCGCTGC AGGAGTCGAC ATTTAATCAA GAGGAGTGCA ATAAAATTAA AACCGAAGCG
1a_Thai     ACTGCGCTGC AGGAGTCGAC ATTTAATCAA GAGGAGTGCA ATAAAATTAA AACCGAAGCG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1445       1455       1465       1475       1485       1495
1a_SalI     GAAAAAGTAA AAGATGACGC TGAAGATATA TACGAAAAAA ATGAACAGAT ATACTACGAA
1a_Thai     GAAAAAGTAA AAGATGACGC TGAAGATATA TACGAAAAAA ATGAACAGAT ATACTACGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1505       1515       1525       1535       1545       1555
1a_SalI     ATTCCAGAAA GTGAGGACGA AACAATAGCT GATAAGATAA ACGATCTTCA GTACCTTATA
1a_Thai     ATTCCAGAAA GTGAGGACGA AACAATAGAT GATAAGATAA ACGATCTTCA GTACCTTATA
Conservation ********** ********** ********.* ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1565       1575       1585       1595       1605       1615
1a_SalI     GACCAAATGA ATGAATATAA AGATGAAATA GTAAACAATT CGGAGTTCAT TTCTAATAGA
1a_Thai     GACCAAATGA AAGATTATAA AGATGAAATA GTAAACAATT CGGAGTTCAT TTCTAATAGA
Conservation ********** *:**:***** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1625       1635       1645       1655       1665       1675
1a_SalI     TATAAAAATA TATACGAAAA CTTAAAAGAA ACGTATGAAA CGGAATTAAA TGATATAGGA
1a_Thai     TATAAAAATA TATACGAAAA CTTAAAAGAA ACGTATGAAA CGGAATTAAA TGATATAGGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1685       1695       1705       1715       1725       1735
1a_SalI     CAACTAGAAA ACGACACATC AAAAGTAAAT TTTTATTTGA TGCAAATAAG AAAAATTAAC
1a_Thai     CAACTAGAAA ACGACACATC AAAAGTAAAT TTTTATTTGA TGCAAATAAG AAAAATTAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1745       1755       1765       1775       1785       1795
1a_SalI     ACTGAGAAAA CCAAAATAGA TGAAAGTTTA CAAACAGTGG AAAAATTTTA CAAAGGAATA
1a_Thai     ACTGAGAAAA CCAAAATAGA TGAAAGTTTA CAAACAGTGG AAAAATTTTA CAAAGAAATA
Conservation ********** ********** ********** ********** ********** *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1805       1815       1825       1835       1845       1855
1a_SalI     TTGAATTTGA AAGAAAAAAT ATATGAACTG AAGATAGAGT TTGAAAAAAG CGTCACAGAA
1a_Thai     TTAGATTTGA AAGAAAAAAT ATATGAACTG AAGATAGAGT TTGAAAAAAG CGTCACAGAA
Conservation **..****** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1865       1875       1885       1895       1905       1915
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1a_SalI      ATAAATCGAT TACAGGATGG GGAATCTGCG CGTGATTTAC ATGAAGAACA GATCAAAGAG
1a_Thai      ATAAATCGAT TACAGGATGG GGAATCTGCG CGTGATTTAC ATGAAGAACA GATCAAAGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1925       1935       1945       1955       1965       1975
1a_SalI      ATATTAGACA AGATGGCGAA AAAGGTGCAT TATTTAAAAG AACTTCTCTC CTTAAAAGGG
1a_Thai      ATATTAGACA AGATGGCGAA AAAGGTGCAT TATTTAAAAG AACTTCTCTC CTTAAAAGGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1985       1995       2005       2015       2025       2035
1a_SalI      AAATCAAGTG TGTACTTCAC CGAAATGAAT GAATTGCTCA ACACAGCATC GTATGACAAT
1a_Thai      AAATCAAGTG TGTACTTCAC CGAAATGAAT GAATTGCTCA ACACAGCATC GTATGACAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2045       2055       2065       2075       2085       2095
1a_SalI      ATGGAGGGGT TTAGCGCTAA GAAGGAGAAG GCGGACAATG ACATTAATGC TCTATATAAT
1a_Thai      ATGGAGGGGT TTAGCGCTAA GAAGGAGAAG GCGGACAATG ACATTAATGC TCTATATAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2105       2115       2125       2135       2145       2155
1a_SalI      TCTGTGTATA GGGAAGATAT AAATGCTCTC ATCGAAGAAG TTGAAAAATT TGTAACCGAA
1a_Thai      TCTGTGTATA GGGAAGATAT AAATGCTCTC ATCGAAGAAG TTGAAAAATT TGTAACCGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2165       2175       2185       2195       2205       2215
1a_SalI      AATAAAGAAA GCACTCTGGA GATGCTAAAA GATGAAGAAA TGGAAGAGAA GCTACAGGAT
1a_Thai      AATAAAGAAA GCACTCTGGA GATGCTAAAA GATGAAGAAA TGGAAGAGAA GCTACAGGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2225       2235       2245       2255       2265       2275
1a_SalI      GCCAAAGAAA CTTTTGCTAA ATTAAATTTT GTTAGCGATG ACAAGCTGAC AGATGTGTAC
1a_Thai      GCCAAAGAAA CTTTTGCTAA ATTAAATTTT GTTAGCGATG ACAAGCTGAC AGATGTGTAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2285       2295       2305       2315       2325       2335
1a_SalI      ACCAAAATGA GTGCAGAAGT GACTAATGCT GAAGGGATCA AAAAAGAAAT TGCGCAAAAA
1a_Thai      ACCAAAATGA GTGCAGAAGT GACTAATGCT GAAGGGATCA AAAAAGAAAT TGCGCAAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2345       2355       2365       2375       2385       2395
1a_SalI      CAATTCGAAA ATGTTCATAA AAAAATGAAA GAATTTTCGG ATGCGTTTTC CACAAAATTT
1a_Thai      CAATTCGAAA ATGTTCATAA AAAAATGAAA GAATTTTCGG ATGCGTTTTC CACAAAATTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2405       2415       2425       2435       2445       2455
1a_SalI      GAAGCGTTGC AAAACAGCAT GCAGCAGTAC AATCAGGAGG GAGACGCGAT AGAAAAGCAT
1a_Thai      GAAGCGTTGC AAAACAGCAT GCAGCAGTAC AATCAGGAGG GAGACGCGAT AGAAAAGCAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2465       2475       2485       2495       2505       2515
1a_SalI      AAGCAAAATA GATCCGAAAA GGAGGAGGAA TATTTTAAAA ATGAAAGCGT AGAAGAAGAT
1a_Thai      AAGCAAAATA GATCCGAAAA GGAGGAGGAA TATTTTAAAA ATGAAAGCGT AGAAGAAGAT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2525       2535       2545       2555       2565       2575
1a_SalI      CTATCCAGGG AAGAAACAGA AGAGCAAGAA TACACTAAAC ATAAGAATAA TTTTTTCCAGA
1a_Thai      CTATCCAGGG AAGAAACAGA AGAGCAAGAA TACACTAAAC ATAAGAATAA TTTTTTCCAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2585       2595       2605       2615       2625       2635
1a_SalI      CGGAAAGGTG AAATATCAGC AGAAATTACC AACATGAGGG AAGTCATAAA TAAAATTGAG
1a_Thai      CGGAAAGGTG AAATATCAGC AGAAATTACC AACATGAGGG AAGTCATAAA TAAAATTGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2645       2655       2665       2675       2685       2695
1a_SalI      AGCCAATTAA ACTATTACGG GGTTATTGAA AAATATTTCT CCCTCATTGG CGATCAGAAT
1a_Thai      AGCCAATTAA ACTATTACGG GGTTATTGAA AAATATTTCT CCCTCATTGG CGATCAGAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2705       2715       2725       2735       2745       2755
1a_SalI      GAAGTGTCAA CGGCTAAAGC GTTAAAGGAA AAGATTGTTA GTGATAGTTT GAGGGACAAA
1a_Thai      GAAGTGTCAA CGGCTAAAGC GTTAAAGGAA AAGATTGTTA GTGATAGTTT GAGGGACAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2765       2775       2785       2795       2805       2815
1a_SalI      ATAGACCAGT ACGAGACAGA ATTCAAAGAG AAAACCAGTG CAGTGGAAAA TACCGTCTCA
1a_Thai      ATAGACCAGT ACGAGACAGA ATTCAAAGAG AAAACCAGTG CAGTGGAAAA TACCGTCTCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2825       2835       2845       2855       2865       2875
1a_SalI      ACTATTCAAA GTTTAAGTAA GGCAATAGAT TCACTTAAAC GTTTAAATGG TAGCATAAAC
1a_Thai      ACTATTCAAA GTTTAAGTAA GGCAATAGAT TCACTTAAAC GTTTAAATGG TAGCATAAAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2885       2895       2905       2915       2925       2935
1a_SalI      AACTGCAAAA AATATAACAC AGATATTGAT CTTTTGAGGA GCAAAATAAA AACTCTACGA
1a_Thai      AACTGCAAAA AATATAACAC AGATATTGAT CTTTTGAGGA GCAAAATAAA AACTCTACGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2945       2955       2965       2975       2985       2995
1a_SalI      GAAGAGGTAC AAAAGGAAAT TGCCGAAACG GAGGGCGATA AAGTGGTGGG CGAAAATACC
1a_Thai      GAAGAGGTAC AAAAGGAAAT TGCCGAAACG GAGGGCGATA AAGTGGTGGG CGAAAATACC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3005       3015       3025       3035       3045       3055
1a_SalI      ACTGCGTTAC TTTTAAAAAG CTTAAGAGAC AAAATGGGAA AGATAAACGA GAAATTGAAC
1a_Thai      ACTGCGTTAC TTTTAAAAAG CTTAAGAGAC AAAATGGGAA AGATAAACGA GAAATTGAAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3065       3075       3085       3095       3105       3115
1a_SalI      GATGGTAGAC TAAACAGTTT AGACACTAAA AAAGAAGATC TGCTGAAGTT TTACTCAGAA
1a_Thai      GATGGTAGAC TAAACAGTTT AGACACTAAA AAAGAAGATC TGCTGAAGTT TTACTCAGAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3125       3135       3145       3155       3165       3175
1a_SalI     TCGAAGTCGA AAATTCATTT GAGCAAAGAC CAAAAGGGGC CACAAGATCC GTTGAATAGA
1a_Thai     TCGAAGTCGA AAATTCATTT GAGCAAAGAC CAAAAGGGGC CACAAGATCC GTTGAATAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3185       3195       3205       3215       3225       3235
1a_SalI     ATTGACGAAT GGGAAGACAT CAAAAGGGAA GTAGACGAAC TAAATGTTAA TTACCAGGTG
1a_Thai     ATTGACGAAT GGGAAGACAT CAAAAGGGAA GTAGACGAAC TAAATGTTAA TTACCAGGTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3245       3255       3265       3275       3285       3295
1a_SalI     ATTAGCGAAA ATAAAGTTAC GCTATTTAAA AATAACTCTG TCACTTATAT AGAGGCAATG
1a_Thai     ATTAGCGAAA ATAAAGTTAC GCTATTTAAA AATAACTCTG TCACTTATAT AGAGGCAATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3305       3315       3325       3335       3345       3355
1a_SalI     CATAGCCATA TAAATACTGT TGCTCATGGA ATAACGAGCA ATAAGAATGA AATTTTGAAG
1a_Thai     CATAGCCATA TAAATACTGT TGCTCATGGA ATAACGAGCA ATAAGAATGA AATTTTGAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3365       3375       3385       3395       3405       3415
1a_SalI     TCCGTAAAGG AAGTAGAAGA TAAACTAAAC CTCGTTGAAC AGAATGAAGA TTACAAAAAG
1a_Thai     TCCGTAAAGG AAGTAGAAGA TAAACTAAAC CTCGTTGAAC AGAATGAAGA TTACAAAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3425       3435       3445       3455       3465       3475
1a_SalI     GTTAAAAATC CAGAAAATGA GAAGCAATTA GAAGCCATAA GGGGATCCAT GAGCAAGCTC
1a_Thai     GTTAAAAATC CAGAAAATGA GAAGCAATTA GAAGCCATAA GGGGATCCAT GAGCAAGCTC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3485       3495       3505       3515       3525       3535
1a_SalI     AAGGAAGTGA TCAACAAACA CGTCAGCGAA ATGACCCAAC TGGAGAGCAC AGCAAACACT
1a_Thai     AAGGAAGTGA TCAACAAACA CGTCAGCGAA ATGACCCAAC TGGAGAGCAC AGCAAACACT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3545       3555       3565       3575       3585       3595
1a_SalI     TTAAAGAGCA ATGCCAAGGG AAAGGAAAAC GAACACGATC TGGAAGAGCT AAATAAGACA
1a_Thai     TTAAAGAGCA ATGCCAAGGG AAAGGAAAAC GAACACGATC TGGAAGAGCT AAATAAGACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3605       3615       3625       3635       3645       3655
1a_SalI     AAGGGACAAA TGAGGGATAT TTATGAAAAG TTGAAGAAGA TAGCGGAGGA ACTAAAGGAA
1a_Thai     AAGGGACAAA TGAGGGATAT TTATGAAAAG TTGAAGAAGA TAGCGGAGGA ACTAAAGGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3665       3675       3685       3695       3705       3715
1a_SalI     GGAACAGTAA ACGAATTGAA GGATGCAAAT GAAAAAGCAA ACAAAGTAGA ATTAGAGTTT
1a_Thai     GGAACAGTAA ACGAATTGAA GGATGCAAAT GAAAAAGCAA ACAAAGTAGA ATTAGAGTTT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3725       3735       3745       3755       3765       3775
1a_SalI      GAGAGGAACA TTATTGGGCA CGTTTTAGAA CGGATTACAG TAGAAAAGGA CAAAGCTGGA
1a_Thai      GAGAGGAACA TTATTGGGCA CGTTTTAGAA CGGATTACAG TAGAAAAGGA CAAAGCTGGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3785       3795       3805       3815       3825       3835
1a_SalI      AAGGTTGTTG AAGAAATGAA TTCTCTCAAA ACTAAAATTG AAAAATTGAT ACAGGAAACA
1a_Thai      AAGGTTGTTG AAGAAATGAA TTCTCTCAAA ACTAAAATTG AAAAATTGAT ACAGGAAACA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3845       3855       3865       3875       3885       3895
1a_SalI      AGTGATGATT CACAAAATGA ATTAGTCACA ACGAGTATTA CAAAACATTT AGAGAATGCA
1a_Thai      AGTGATGATT CACAAAATGA ATTAGTCACA ACGAGTATTA CAAAACATTT AGAGAATGCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3905       3915       3925       3935       3945       3955
1a_SalI      AAGGGGTATG AGGATGTAAT AAAACGAAAT GAAGAAGATT CAATTCAGTT GAGGGAGAAG
1a_Thai      AAGGGGTATG AGGATGTAAT AAAACGAAAT GAAGAAGATT CAATTCAGTT GAGGGAGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3965       3975       3985       3995       4005       4015
1a_SalI      GCGAAAAGTC TGGAGACATT GGATGAAATG AAAAAACTAG TTCAGCAGGT TAACATGAAT
1a_Thai      GCGAAAAGTC TGGAGACATT GGATGAAATG AAAAAACTAG TTCAGCAGGT TAACATGAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4025       4035       4045       4055       4065       4075
1a_SalI      TTGCAAAGTG CTATACAAGG CAATGCTGGT ATAAGCAAAG AGCTGAATGA GCTTAAAGGC
1a_Thai      TTGCAAAGTG CTATACAAGG CAATGCTGGT ATAAGCAAAG AGCTGAATGA GCTTAAAGGC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4085       4095       4105       4115       4125       4135
1a_SalI      GTTATCGAAT TGTTGATATC AACGAATTAT AGCAGCATTT TAGAATATGT AAAGAAAAAT
1a_Thai      GTTATCGAAT TGTTGATATC AACGAATTAT AGCAGCATTT TAGAATATGT AAAGAAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4145       4155       4165       4175       4185       4195
1a_SalI      TCCAGCGAGT CTGTCCGTTT TAGTCAGCTA GCCAATGGGG AATTTACAAA GGCTGAAGGT
1a_Thai      TCCAGCGAGT CTGTCCGTTT TAGTCAGCTA GCCAATGGGG AATTTACAAA GGCTGAAGGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4205       4215       4225       4235       4245       4255
1a_SalI      GAAGAGAAAA ACGCAAGTGC CAGATTTGCG GAGGCAGAGA AGTTAAAGGA ACAAATTGTC
1a_Thai      GAAGAGAAAA ACGCAAGTGC CAGATTTGCG GAGGCAGAGA AGTTAAAGGA ACAAATTGTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4265       4275       4285       4295       4305       4315
1a_SalI      AAAGATTTAG ACTACAGTGA CATAGATGAT AAGGTAAAAA AAATTGAGGG AATCAAAAGA
1a_Thai      AAAGATTTAG ACTACAGTGA CATAGATGAT AAGGTAAAAA AAATTGAGGG AATCAAAAGA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4325       4335       4345       4355       4365       4375
1a_SalI      GAAATTTTAA AGATGAAAGA AAGTGCACTA ACATTTTGGG AAGAGTCAGA GAAGTTTAAA
1a_Thai      GAAATTTTAA AGATGAAAGA AAGTGCACTA ACATTTTGGG AAGAGTCAGA GAAGTTTAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4385       4395       4405       4415       4425       4435
1a_SalI      CAAATGTGCT CTTCACATAT GGAAAATGCT AAAGAGGGGA AGAAAAAAAT TGAGTATTTA
1a_Thai      CAAATGTGCT CTTCACATAT GGAAAATGCT AAAGAGGGGA AGAAAAAAAT TGAGTATTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4445       4455       4465       4475       4485       4495
1a_SalI      AAAAATAATG GGGATGGAGG AAAGGCCAAC ATAACGGATA GCCAAATGGA GGAGGTAGGT
1a_Thai      AAAAATAATG GGGATGGAGG AAAGGCCAAC ATAACGGATA GCCAAATGGA GGAGGTAGGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4505       4515       4525       4535       4545       4555
1a_SalI      AACTATGTTA GCAAAGCTGA GCACGCCTTT CACACAGTAG AAGCACAGGT AGACAAAACT
1a_Thai      AACTATGTTA GCAAAGCTGA GCACGCCTTT CACACAGTAG AAGCACAGGT AGACAAAACT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4565       4575       4585       4595       4605       4615
1a_SalI      AAAGCCTTTT ACGAATCCAT CGTAGCTTAT GTAACGAAGA TGGACAACCT GTTTAACGAA
1a_Thai      AAAGCCTTTT ACGAATCCAT CGTAGCTTAT GTAACGAAGA TGGACAACCT GTTTAACGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4625       4635       4645       4655       4665       4675
1a_SalI      TCGTTAATGA AAGAAGTGAA AGTGAAGTGT GAAAAAAAGA ATGATGAAGC GGAGCAAATA
1a_Thai      TCGTTAATGA AAGAAGTGAA AGTGAAGTGT GAAAAAAAGA ATGATGAAGC GGAGCAAATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4685       4695       4705       4715       4725       4735
1a_SalI      TTCGGCCAAA TTAAAACCGT AGATGGTAGA ATTAAAGCGC GAGTGAGTGA GAATGAAAGA
1a_Thai      TTCGGCCAAA TTAAAACCGT AGATGGTAGA ATTAAAGCGC GAGTGAGTGA GAATGAAAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4745       4755       4765       4775       4785       4795
1a_SalI      AAAATAAGCG AATTGAAGGA AAAAGCCAAA GTTGAGAAAA AGGAATCCTC GCAACTTAAC
1a_Thai      AAAATAAGCG AATTGAAGGA AAAAGCCAAA GTTGAGAAAA AGGAATCCTC GCAACTTAAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4805       4815       4825       4835       4845       4855
1a_SalI      GATGTTTCCA CGAAGTCGTT ATTACAAATA GATAATTGCA GACAACAGCT TGACAGCGTT
1a_Thai      GATGTTTCCA CGAAGTCGTT ATTACAAATA GATAATTGCA GACAACAGCT TGACAGCGTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4865       4875       4885       4895       4905       4915
1a_SalI      TTGTCAAACA TTGGAAGGGT GAAACAAAAT GCACTTCAAT ATTTCGATTC GGCTGATAAA
1a_Thai      TTGTCAAACA TTGGAAGGGT GAAACAAAAT GCACTTCAAT ATTTCGATTC GGCTGATAAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4925       4935       4945       4955       4965       4975
1a_SalI      TCGATGAAGT CCGTTTTGCC TATAAGCGAA TTGGGTGCCG AAAAATCGCT AGACAAAGTA
1a_Thai      TCGATGAAGT CCGTTTTGCC TATAAGCGAA TTGGGTGCCG AAAAATCGCT AGACAAAGTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4985       4995       5005       5015       5025       5035
1a_SalI      AAAGCGGCTA AGGAAAGTTA TGAGAAAAAT TTGGAAACCG TTCAAAATGA AATGAGTCGT
1a_Thai      AAAGCGGCTA AGGAAAGTTA TGAGAAAAAT TTGGAAACCG TTCAAAATGA AATGAGTCGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5045       5055       5065       5075       5085       5095
1a_SalI      ATTAATGTGG AAGAAGGAAG TCTGACCGAC ATAGACAAAA AAATAACTGA CATAGAAAAT
1a_Thai      ATTAATGTGG AAGAAGGAAG TCTGACCGAC ATAGACAAAA AAATAACTGA CATAGAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5105       5115       5125       5135       5145       5155
1a_SalI      GACTTGCTAA AAATGAAGAA ACAATATGAA GAAGGGTTAC TACAAAAGAT TAAAGAAAAT
1a_Thai      GAATTGCTAA AAATGAAGAA ACAATATGAA GAAGGGTTAC TACAAAAGAT TAAGGAAAAT
Conservation **.******* ********** ********** ********** ********** ***.******

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5165       5175       5185       5195       5205       5215
1a_SalI      GCGGATAAGA GGAAGAGTAA TTTCGAATTA GTAAGAAGCG AAATAAACGC CTTGCTGGAT
1a_Thai      GCGGATAAGA GGAAGAGTAA TTTCGAATTA GTAAGAAGCG AAATAAACGC CTTGCTGGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5225       5235       5245       5255       5265       5275
1a_SalI      CCAAGCACGT CTATTTTTAT TAAATTAAAA TTAAAGGAAT ATGACATGAC CGGCGATTTA
1a_Thai      CCAAGCACGT CTATTTTTAT TAAATTAAAA TTAAAGGAAT ATGACATGAC CGGCGATTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5285       5295       5305       5315       5325       5335
1a_SalI      AAAAATTACG CTGTTAAAAT GAATGAAATT CATGGTGAAT TTACCAAATC GTACAATTTG
1a_Thai      AAAAATTACG CTGTTAAAAT GAATGAAATT CATGGTGAAT TTACCAAATC GTACAATTTG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5345       5355       5365       5375       5385       5395
1a_SalI      ATAGAAACCC ATTTGTCCAA TGCTACAGAT TATTCTGTGA CGTTTGAGAA GGCCCAAAGT
1a_Thai      ATAGAAACCC ATTTGTCCAA TGCTACAGAT TATTCTGTGA CGTTTGAGAA GGCCCAAAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5405       5415       5425       5435       5445       5455
1a_SalI      TTAAGGGAAC TAGCAGAGAA GGAAGAAGAA CATCTCAGAA GAAGAGAGGA GGAAGCGATC
1a_Thai      TTAAGGGAAC TAGCAGAGAA GGAAGAAGAA CATCTCAGAA GAAGAGAGGA GGAAGCGATC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5465       5475       5485       5495       5505       5515
1a_SalI      AAACTGCTGA ATGATATTAA AAAGGTGGAA TCGTTAAAAC TGCTAAAAGA AATGATGAAA
1a_Thai      AAACTGCTGA ATGATATTAA AAAGGTGGAA TCGTTAAAAC TGCTAAAAGA AATGATGAAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5525       5535       5545       5555       5565       5575
1a_SalI     AAGGTGAGTG CCGAATATGA AGGTATGAAA AGAGACCATA CGAGTGTTAG TCAGCTTGTA
1a_Thai     AAGGTGAGTG CCGAATATGA AGGTATGAAA AGAGACCATA CGAGTGTTAG TCAGCTTGTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5585       5595       5605       5615       5625       5635
1a_SalI     CAGGATATGA AGACAATTGT TGATGAGCTG AAAACACTGA ATGATATAAG CGAATGTTCG
1a_Thai     CAGGATATGA AGACAATTGT TGATGAGCTG AAAACACTGA ATGATATAAG CGAATGTTCG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5645       5655       5665       5675       5685       5695
1a_SalI     AGCGTGCTAA ACAATGTAGT TAGTATAGTT AAAAAGGTTA AAGAGTCGAA ACATGCAGAC
1a_Thai     AGCGTGCTAA ACAATGTAGT TAGTATAGTT AAAAAGGTTA AAGAGTCGAA ACATGCAGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5705       5715       5725       5735       5745       5755
1a_SalI     TATAAGAGAG ACGCGAATAG CATGTATGAA AGTATGGTAA CTCTGGCAAA TTATTTCCTA
1a_Thai     TATAAGAGAG ACGCGAATAG CATGTATGAA AGTATGGTAA CTCTGGCAAA TTATTTCCTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5765       5775       5785       5795       5805       5815
1a_SalI     AGCGATGAGG CTAAAATTTC ATCAGGAATG GAATTCAATG CGGAAATGAA ATCCAATTTT
1a_Thai     AGCGATGAGG CTAAAATTTC ATCAGGAATG GAATTCAATG CGGAAATGAA ATCCAATTTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5825       5835       5845       5855       5865       5875
1a_SalI     AAGACAGACT TAGAGTTGGA GATCTTTTCG GTAATATCCA ATTCGAATGA ACTTTTAAAA
1a_Thai     AAGACAGACT TAGAGTTGGA GATCTTTTCG GTAATATCCA ATTCGAATGA ACTTTTAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5885       5895       5905       5915       5925       5935
1a_SalI     AAAATAGAAC AGGATTCAAA TGATGTAATA CAAAAGGAAA GAGAAAGTGA ACAGCTAGCT
1a_Thai     AAAATAGAAC AGGATTCAAA TGATGTAATA CAAAAGGAAA GAGAAAGTGA ACAGCTAGCT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5945       5955       5965       5975       5985       5995
1a_SalI     AAGGATGCCA CTGATATTTA TAATGTGATA AAACTAAAAA ATGAATTTAA CGAAAAGTTG
1a_Thai     AAGGATGCCA CTGATATTTA TAATGTGATA AAACTAAAAA ATGAATTTAA CGAAAAGTTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6005       6015       6025       6035       6045       6055
1a_SalI     GAAGAAGCCA AGAACAAAGA AGAGGTCGTT TCGGAAAAGG TAAGGGAAGC ATTGAAGAGA
1a_Thai     GAAGAAGCCA AGAACAAAGA AGAGGTCGTT TCGGAAAAGG TAAGGGAAGC ATTGAAGAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6065       6075       6085       6095       6105       6115
1a_SalI     CTGAGTCAAG TGGAAGGAAT AAGATGCCAC TTTGAAAATT TCCATAGGTT ACTAGACAAT
1a_Thai     CTGAGTCAAG TGGAAGGAAT AAGATGCCAC TTTGAAAATT TCCATAGGTT ACTAGACAAT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6125       6135       6145       6155       6165       6175
1a_SalI     ACAGAGGAGC TTGAAAATTT AAAAAAAATG GTTACCATCT ACCGGGATAA GAAAAGCGAA
1a_Thai     ACAGAGGAGC TTGAAAATTT AAAAAAAATG GTTACCATCT ACCGGGATAA GAAAAGCGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6185       6195       6205       6215       6225       6235
1a_SalI     GCGCCGAAAG AATCAGGGTT GCAAGAAATG GAGAACGAAA TGAACACCTA TAGTAACTCC
1a_Thai     GCGCCGAAAG AATCAGGGTT GCAAGAAATG GAGAACGAAA TGAACACCTA TAGTAACTCC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6245       6255       6265       6275       6285       6295
1a_SalI     ATAACACAGT TAGAAGGAAT AGTCGTATCA GCCGGGGAAT CCAAAGAAGA CATTGAAAAA
1a_Thai     ATAACACAGT TAGAAGGAAT AGTCGTATCA GCCGGGGAAT CCAAAGAAGA CATTGAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6305       6315       6325       6335       6345       6355
1a_SalI     TTGGAAAGAT CCAATGAAGA AATGAGAAAT ATTAGCGAAA AGATAAGCAC AATAGATTCG
1a_Thai     TTGGAAAGAT CCAATGAAGA AATGAGAAAT ATTAGCGAAA AGATAAGCAC AATAGATTCG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6365       6375       6385       6395       6405       6415
1a_SalI     AAGGTTATCG AAATGAACTC AACTATTGAT GAGTTGTACA AATTGGGAAA AAACTGTCAG
1a_Thai     AAGGTTATCG AAATGAACTC AACTATTGAT GAGTTGTACA AATTGGGAAA AAACTGTCAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6425       6435       6445       6455       6465       6475
1a_SalI     GCCCACTGGA TTTCCCTGAT CAGTTATACT GCGAATATGA AAACGTCCAA AAAGTTAATA
1a_Thai     GCCCACTGGA TTTCCCTGAT CAGTTATACT GCGAATATGA AAACGTCCAA AAAGTTAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6485       6495       6505       6515       6525       6535
1a_SalI     ATGATTAATA AAGAAAAGGA GAACACGGAA AAGTGTGTAG ACTACATTAA AGACAATTCG
1a_Thai     ATGATTAATA AAGAAAAGGA GAACACGGAA AAGTGTGTAG ACTACATTAA AGACAATTCG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6545       6555       6565       6575       6585       6595
1a_SalI     TCCTCCACAG ACGGTTATGT CGAAACGTTG AAAGGGTTTT ACGGTAGTAA GCTTACATTT
1a_Thai     TCCTCCACAG ACGGTTATGT CGAAACGTTG AAAGGGTTTT ACGGTAGTAA GCTTACATTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6605       6615       6625       6635       6645       6655
1a_SalI     AGCAGCGCAT CCGAAATTGT GCAAAATGCA GACACATATT CCGTGAATTT TGCGAAACAC
1a_Thai     AGCAGCGCAT CCGAAATTGT GCAAAATGCA GACACATATT CCGTGAATTT TGCGAAACAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6665       6675       6685       6695       6705       6715
1a_SalI     GAAAAGGAGT CTTTAAATGC GATAAGGGAT ATAAAAAAGG AATTATATTT ATTCCACCAA
1a_Thai     GAAAAGGAGT CTTTAAATGC GATAAGGGAT ATAAAAAAGG AATTATATTT ATTCCACCAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6725       6735       6745       6755       6765       6775
1a_SalI     AATAGCGATA TTAGCATTGT AGAGGGAGGC GTCCAAAATG TGCTGGCACT TTATGATAAG
1a_Thai     AATAGCGATA TTAGCATTGT AGAGGGAGGC GTCCAAAATG TGCTGGCACT TTATGATAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6785       6795       6805       6815       6825       6835
1a_SalI     CTGAACGAGG AAAAAAGAGA AATGGATGAA CTGTACAGAA ATATAAGTGA AACTAAGCTG
1a_Thai     CTGAACGAGG AAAAAAGAGA AATGGATGAA CTGTACAGAA ATATAAGTGA AACTAAGCTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6845       6855       6865       6875       6885       6895
1a_SalI     AAGCAAATGG AACACAGCAC TGACGTGTTT AAGCCCATGA TAGAATTACA CAAAGGAATG
1a_Thai     AAGCAAATGG AACACAGCAC TGACGTGTTT AAGCCCTTGA TAGAATTACA CAAAGGATTG
Conservation ********** ********** ********** ******:*** ********** *******:**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6905       6915       6925       6935       6945       6955
1a_SalI     AATGAAACGA ATAATAAGTC TTTGCTGGAG AAAGAAAAGA AACTAAAAAG CGTGAACGAC
1a_Thai     ATTGAAACGA ATAATAAGTC TTTGCTGGAG AAAGAAANGA ACTTAAAAAG CGTGAACGAC
Conservation *:******** ********** ********** ******* ** *. ******* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6965       6975       6985       6995       7005       7015
1a_SalI     AATATGCACA GTATGGAAGC TGAGATGATT AAAAATGGCC TTAAATACAC CCCAGAAAGT
1a_Thai     AATATGCACA GTATGGAAGC TGAGATGATT AAAAATGGCC TTAAATACAC CCCAGAAAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7025       7035       7045       7055       7065       7075
1a_SalI     GTGCAAAATA TTAACAACAT ATACAGCGTT ATTGAAGCTG AGGTGAAAAC GCTGGAAGAA
1a_Thai     GTGCAAAATA TTAACAACAT ATACAGCGTT ATTGAAGCTG AGGTGAAAAC GCTGGAAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7085       7095       7105       7115       7125       7135
1a_SalI     ATTGACCGTG ATTATGGCGA TAATTACCAA ATCGTGGAAG AGCACAAGAA GCAATTTTCC
1a_Thai     ATTGACCGTG ATTATGGCGA TAATTACCAA ATCGTGGAAG AGCACAAGAA GCAATTTTCC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7145       7155       7165       7175       7185       7195
1a_SalI     ATTTTAATCG ACAGAACGAA CGCGCTAATG GATGACATTG AAATTTTTAA AAAGGAAAAC
1a_Thai     ATTTTAATCG ACAGAACGAA CGCGCTAATG GATGACATTG AAATTTTTAA AAAGGAAAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7205       7215       7225       7235       7245       7255
1a_SalI     AATTACAATT TAATGGAAGT AAACACAGAA ACGATACACA GAGTAAACGA TTATATAGAA
1a_Thai     AATTACAATT TAATGGAAGT AAACACAGAA ACCATACACA GAGTAAACGA TTATATAGAA
Conservation ********** ********** ********** ** ******* ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7265       7275       7285       7295       7305       7315
1a_SalI     AAGATCACCA ATAAGTTAGT ACAAGCCAAA ACGGAGTATG AACAGATCCT GGAAAATATA
1a_Thai     AAGATCACCA ATAAGTTAGT ACAAGCCAAA ACGGAGTATG AACAGATCCT GGAAAATATA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7325       7335       7345       7355       7365       7375
1a_SalI      AAACAAAACG ATGATATGCT ACAGAATATT TTTCTCAAAA AAGTAAGTAT TATCGAATAC
1a_Thai      AAACAAAACG ATGATATGCT ACAGAATATT TTTCTCAAAA AAGTAAGTAT TATCGAATAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7385       7395       7405       7415       7425       7435
1a_SalI      TTTGAAAACG TAAAGAAGAA AAAAGAATCT ATATTGAACG ATTTATATGA ACAGGAAAGG
1a_Thai      TTTGAAAACG TAAAGAAGAA AAAAGAATCT ATATTGAACG ATTTATATGA ACAGGAAAGG
Conservation ********** ********** ********** ********** ********** **********



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7445       7455       7465       7475       7485       7495
1a_SalI      CTGCTCAAAA TAGGGGAACA CTTAGATGAG ATTAAGCGTA ACGTGACAGA GACACTGAGT
1a_Thai      CTGCTCAAAA TAGGGGAACA CTTAGATGAG ATTAAGCGTA ACGTGACAGA GACACTGAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7505       7515       7525       7535       7545       7555
1a_SalI      AGTTATGAAA TTGATCAAAA AATGGAAATG ATGTCTAAAA ACCTTCTAGA GAAAAAAAGC
1a_Thai      AGTTATGAAA TTGATCAAAA AATGGAAATG ATGTCTAAAA ACCTTCTAGA GAAAAAAATC
Conservation ********** ********** ********** ********** ********** ******** *

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7565       7575       7585       7595       7605       7615
1a_SalI      AAAATGATGA ATTACACTTC CATTTATGAG TTGGAGAGAG AAGCGAACGA AATAAACAGG
1a_Thai      AAAATGATGA ATTACACTTC CATTTATGAG TTGGAGAGAG AAGCGAACGA AATAAACAGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7625       7635       7645       7655       7665       7675
1a_SalI      GATGCTAAAC AAATAAAAGA TGATGATACA ATACTTAATA GTGTTTTAGA AGCTGCCATT
1a_Thai      GATGCTAAAC AAATAAAAGA TGATGATACA ATACTTAATA GTGTTTTAGA AGCTGCCATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7685       7695       7705       7715       7725       7735
1a_SalI      CAGAAGAGGG GAGATATGGA CGCGATCTTC AGTCAGATGT CTGCAGATAG AAATCCAAAT
1a_Thai      CAGAAGAGGG GAGATATGGA CGCGATCTTC AGTCAGATGT CTGCAGATAG AAATCCAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7745       7755       7765       7775       7785       7795
1a_SalI      GAATATAAAT CTGCAGAGAA GTACATGAAT GAAGCGAATG AAATAATTCG CCAATTAGAA
1a_Thai      GAATATAAAT CTGCAGAGAA GTACATGAAT GAAGCGAATG AAATAATTCG CCAATTAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7805       7815       7825       7835       7845       7855
1a_SalI      GTAAAGCTTC GAGAAATAGG CCAACTAGTA CAGGATAGTG AAAGCATATT ATCAGAAATG
1a_Thai      GTAAAGCTTC GAGAAATAGG CCAACTAGTA CAGGATAGTG AAAGCATATT ATCAGAAATG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7865       7875       7885       7895       7905       7915
1a_SalI      AATTCTAAAA AGAGCGCTAT AGAAAAGGAA AAGACAGCTA GGGCTTTGAG AACTAGTGAA
1a_Thai      AATTCTAAAA AGAGCGCTAT AGAAAAGGAA AAGACAGCTA GGGCTTTGAG AACTAGTGAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7925       7935       7945       7955       7965       7975
1a_SalI     AATAATAGAA GAGAAGAGGA AGAAAGGGCA CGTGTGCAAG AAATGAGCAT GAATAATGAT
1a_Thai     AATAATAGAA GAGAAGAGGA AGAAAGGGCA CGTGTGCAAG AAATGAGCAT GAATAATGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7985       7995       8005       8015       8025       8035
1a_SalI     CCCACGCAAA GTGAAACAAC TCATTCGGAG GGATCCATCG GTGAAGGAAA AGAATCAGAC
1a_Thai     CCCACGCAAA GTGAAACAAC TCATTCGGAG GGATCCATCG GTGAAGGAAA AGAATCAGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8045       8055       8065       8075       8085       8095
1a_SalI     TCGGATGAAA CAGGTTTAAC ACACGATGCA GGTGCAGATG AAGATTCTAC TAGCTCGGCA
1a_Thai     TCGGATGAAA CAGGTTTAAC ACACGATGCA GGTGCAGATG AAGATTCTAC TAGCTCGGCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8105       8115       8125       8135       8145       8155
1a_SalI     AAAGGGGCAC ATGAATTAGA AGAGGAGGAA ACTACAGCAC CTATGGAAGA AACCGAGATG
1a_Thai     AAAGGGGCAC ATGAATTAGA AGAGGAGGAA ACTACAGCAC CTATGGAAGA AACCGAGATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8165       8175       8185       8195       8205       8215
1a_SalI     AATGACAATA CCCTTCTAGG GTATGACACT ACCAGAAGTG ATGAACCTGA TATGCATACA
1a_Thai     AATGACAATA CCCTTCTAGG GTATGACACT ACCAGAAGTG ATGAACCTGA TATGCATACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8225       8235       8245       8255       8265       8275
1a_SalI     GAGAACACCC AGGATGGTAC CTATCAGGAT ACGTCAAATT CCAGCGATGA AGCAGATATT
1a_Thai     GAGAACACCC AGGATGGTAC CTATCAGGAT ACGTCAAATT CCAGCGATGA AGCAGATATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8285       8295       8305       8315       8325       8335
1a_SalI     TTGAACGGCA AGTTCAATTT TAATAATGTC AAATATGCAG GAGCATTCGT TTTACTGTGT
1a_Thai     TTGAACGGCA AGTTCAATTT TAATAATGTC AAATATGCAG GAGCATTCGT TTTACTGTGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8345       8355       8365       8375       8385       8395
1a_SalI     ACGAGCGCAG TTATAGGGGC TATTATAGCA CATAAGAAAG ATGACCAAGA GGAGCTTAAT
1a_Thai     ACGAGCGCAG TTATAGGGGC TATTATAGCA CATAAGAAAG ATGACCAAGA GGAGCTTAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8405       8415       8425       8435       8445       8455
1a_SalI     AATGGCGTGG AAGACGATAG GGTGTTTGAA GTTAAAAAGA GCATGAACCC AGAAAACAAA
1a_Thai     AATGGCGTGG AAGACGATAG GGTGTTTGAA GTTAAAAAGA GCATGAACCC AGAAAACAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ..
               8465       8475       8485       8495
1a_SalI     GAAGAAATCA TTGATGTTTC TTTTGTTGAT ATTGAGTATT AA
1a_Thai     GAAGAAATCA TTGATGTTTC TTTTGTTGAT ATTGAGTATT AA
Conservation ********** ********** ********** ********** **
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Alignment: Pvrbp1b

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
1b_SalI      ATGAAGAAGC CAATTTATTG GACAGCCCTC TTTGGTCTAT GGCTTGCATC TCTTGATTTA
1b_Thai      ATGAAGAAGC CAATTTATAG GACAGCCCTC TTTGGTCTAT GGCTTGCATC TCTTGATTTA
Conservation ********** ********:* ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                65         75         85         95        105        115
1b_SalI      AATCGAGGGA AAAACACGTT GCATAATATA AAGAAACATT TTGAAGACTC GAAATTTTTA
1b_Thai      AATCGAGGGA AAAACACGTT GCATAATATA AAGAAACATT TTGAAGACTC GAAATTTTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               125        135        145        155        165        175
1b_SalI      TCATTCGATC CGAATTTGAA GAGAAACAAA AAGTTCAAGC ATAAGGACGT GAAAAAGAAG
1b_Thai      TCATTCGATC CGAATTTGAA GAGAAACAAA AAGTTCAAGC ATAAGGACGT GAAAAAGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               185        195        205        215        225        235
1b_SalI      AGCTTTAAAA GTCTGGAAAC AGATAGTGTA CAGCAGTTTG ATAAAGAAAT TAGCAAAGTT
1b_Thai      AGCTTTAAAA GTCTGGAAAC AGATAGTGTA CAGCAGTTTG ATAAAGAAAT TAGCAAAGTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               245        255        265        275        285        295
1b_SalI      AATAGGGAGG ACCCAACAGG AATAATCGAA TCTGATAGTG CTTCATTTAT AAGCTTAGGA
1b_Thai      AATAGGGAGG ACCCAACAGG AATAATCGAA TCTGATAGTG CTTCATTTAT AAGCTTAGGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               305        315        325        335        345        355
1b_SalI      AATGCTAGTC TGAAAAATGA ACCCTCTGAC GGTGGTGGAG ATGAAGTGGT TTTAAGAACC
1b_Thai      AATGCTAGTC TGAAAAATGA ACCCTCTGAC GGTGGTGGAG ATGAAGTGGT TTTAAGAACC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               365        375        385        395        405        415
1b_SalI      GACGGAGGGG GTAGTGACAC CGATAAAGAT TCAGGCAAAT TGGAGAAAAG TGAAATACCT
1b_Thai      GACGGAGGGG GTAGTGACAC CGATAATGAT TCAGGCAAAT TGGAGAAAAG TGAAATACCT
Conservation ********** ********** ******.*** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               425        435        445        455        465        475
1b_SalI      GATGTGGAGA ACGCAGAATC GGTATCGAAA TATAAAATCG TTTTAGAAGA TTATGTAAAT
1b_Thai      GATGTGGAGA ACGCAGAATC GGTATCGAAA TATAAAATCG TTTTAGAAGA TTATGTAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               485        495        505        515        525        535
1b_SalI      AAACTGAAAG AATCTAATCC ATATTTCTTG ATGGAGGTTG ATTATGTTAA TCTGCAGTCT
1b_Thai      AAACTGAAAG AATCTAATCC ATATTTCTTG ATGGAGGTTG ATTATGTTAA TCTGCAGTCT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               545        555        565        575        585        595
1b_SalI      TTTAAAGAAA TTAGGAACCT CATTCCAGAG GGGAAAGAAT ACCACAAGTT CTACGATGAG
1b_Thai      TTTAAAGAAA TTAGGAACCT CATTCCAGAG GGGAAAGAAT ACCACAAGTT CTACGATGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
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                605        615        625        635        645        655
1b_SalI      GAGATGGATA AAAAAGTCAC AGATTACACA AATAGATTAG ACGCACTGAT GAAAAAGTTC
1b_Thai      GAGATGGATA AAAAAGTCAC AGATTACACA AATAGATTAG ACGCACTGAT GAAAAAGTTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                665        675        685        695        705        715
1b_SalI      ATTGGAGCGA AAAATGAAAT GATAAAAATG GATGCTATCG TAAAAATTCA TAAAAAGGGT
1b_Thai      ATTGGAGCGA AAAATGAAAT GATAAAAATG GATGCTATCG TAAAAATTCA TAAAAAGGGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                725        735        745        755        765        775
1b_SalI      TCTACCGAAT TGAAGCAAGA AGCTGAAAAT GTAAAAAAAT TAGAATTAGC AAAGGAGCAA
1b_Thai      TCTACCGAAT TGAAGCAAGA AGCTGAAAAT GTAAAAAAAT TAGAATTAGC AAAGGAGCAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                785        795        805        815        825        835
1b_SalI      TATGAAAAGT ACATGAAAGA GTATAATGAT GATATAAAAC CTATTGTACA TGAAATTAGA
1b_Thai      TATGAAAAGT ACATGAAAGA GTATAATGAT GATATAAAAC CTATTGTACA TGAAATTAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                845        855        865        875        885        895
1b_SalI      AACAAGGCAT ATGAGCATTT GAAGCAATCC AGCTGCACGC ACCAGTGTAA TGCTTACATT
1b_Thai      AACAAGGCAT ATGAGCATTT GAAGCAATCC AGCTGCACGC ACCAGTGTAA TGCTTACATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                905        915        925        935        945        955
1b_SalI      ATGAATTATG CTCGTCTTCT TAACAAATAT ATAAAGAACA TTTCAGAGAC TACGGACGAG
1b_Thai      ATGAATTATG CTCGTCTTCT TAACAAATAT ATAAAGAACA TTTCAGAGAC TACGGACGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                965        975        985        995       1005       1015
1b_SalI      TCAGTTGTCA CTATCGTTAA AAGTATTAAC GATTATAATT CTCTGGACAA AATATTAGAA
1b_Thai      TCAGTTGTCA CTATCGTTAA AAGTATTAAC GATTATAATT CTCTGGACAA AATATTAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1025       1035       1045       1055       1065       1075
1b_SalI      CTTGCAGAAA GGGAGAATAT AGACATTGCA GAAAATGTCT ACCTTTTGAA GTTACTAGGA
1b_Thai      CTTGCAGAAA GGGAGAATAT AGACATTGCA GAAAATGTCT ACCTTTTGAA GTTACTAGGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1085       1095       1105       1115       1125       1135
1b_SalI      GAAGAAGTAA ATGACCTTAA CTATGTGTAT GTGATAAACA GATCGCTAAT AAATGACGCG
1b_Thai      GAAGAAGTAA ATGACCTTAA CTATGTGTAT GTGATAAACA GATCGCTAAT AAATGACGCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1145       1155       1165       1175       1185       1195
1b_SalI      AATAAAGTTC TGATGGACAT AAAGGAAAAT GGGATTTTAT TTCATACGAA GGAGGATAAA
1b_Thai      AATAAAGTTC TGATGGACAT AAAGGAAAAT GGGATTTTAT TTCATACGAA GGAGGATAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1205       1215       1225       1235       1245       1255
1b_SalI      ATTGTAAACA GTACAAAGGA ACTAATCAAC AACTATTGTG TGTTTCACCA TATAATGATT
1b_Thai      ATTGTAAACA GTACAAAGGA ACTAATCAAC AACTATTGTG TGTTTCACCA TATAATGATT
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Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1265       1275       1285       1295       1305       1315
1b_SalI      TTGAATGTTC CAATTAAAAA AATGTACGAA GAAAGGATAA AAAGGTCTAA CGATTTATTT
1b_Thai      TTGAATGTTC CAATTAAAAA AATGTACGAA GAAAGGATAA AAAGGTCTAA CGATTTATTT
Conservation ********** ********** ********** ********** ********** **********



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1325       1335       1345       1355       1365       1375
1b_SalI      TCTACAATTA TGGAAAAGTT AAAAGATGAA GCTCATAAAT TAATCAATTC TGTATTTGTC
1b_Thai      TCTACAATTA TGGAAAAGTT AAAAGATGAA GCTCATAAAT TAATCAATTC TGTATTTGTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1385       1395       1405       1415       1425       1435
1b_SalI      GAGGAGGAAA GTAATAAAAT TCTTAAGTCG TCAGAAGGAA TTGTCCAAAA TGCAGAAAAA
1b_Thai      GAGGAGGAAA GTAATAAAAT TCTTAAGTCG TCAGAAGGAA TTGTCCAAAA TGCAGAAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1445       1455       1465       1475       1485       1495
1b_SalI      ATACTTGAGG AAAATAAAAA AAAAATAGAC TTTTTTAAAA GGTATCCAGA AATAAAAACG
1b_Thai      ATACTTGAGG AAAATAAAAA AAAAATAGAC TTTTTTAAAA GGTATCCAGA AATAAAAACG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1505       1515       1525       1535       1545       1555
1b_SalI      AAGCCTCCTA TGGAAGAATT ACAAACTGAG TTTAGTCAAC AAGAAGAAGC GAGGGGGGAA
1b_Thai      AAGCCTCCTA TGGAAGAATT ACAAACTGAG TTTAGTCAAC AAGAAGAAGC GAGGGGGGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1565       1575       1585       1595       1605       1615
1b_SalI      ATATTAAACA TGGCACAGCT AATCGATCAC TTATATAATA ATTTGTTTCA TGTGAACAAA
1b_Thai      ATATTAAACA TGGCACAGCT AATCGATCAC TTATATAATA ATTTGTTTCA TGTGAACAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1625       1635       1645       1655       1665       1675
1b_SalI      ACTAATCATT TAAATAAATT AAACGAAATA GCTCAGTACG GGGATAGCAT AACAAAGGGA
1b_Thai      ACTAATCATT TAAATAAATT AAACGAAATA GCTCAGTACG GGGATAGCAT AACAAAGGGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1685       1695       1705       1715       1725       1735
1b_SalI      AATTTACTGT TGGAAGAAAT TTCTGAAATT AATAAAGAGC GGAATGTTCT AAAGGTAAAT
1b_Thai      AATTTACTGT TGGAAGAAAT TTCTGAAATT AATAAAGAGC GGAATGTTCT AAAGGTAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1745       1755       1765       1775       1785       1795
1b_SalI      ATTGCTACTT TGAAAAATGT GCATGGGAAT TTGGTACGTT CGAAAAATAA CATTGTTGAA
1b_Thai      ATTGCTACTT TGAAAAATGT GCATGGGAAT TTGGTACGTT CGAAAAATAA CATTGTTGAA
Conservation ********** ********** ********** ********** ********** **********

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                1805       1815       1825       1835       1845       1855
1b_SalI      ATTGTAATAA ATGTGGACAA CACTTCTGAG GTGGACGAAT TGAAGGAAAA GGAAGAGAAG
1b_Thai      ATTGTAATAA ATGTGGACAA CACTTCTGAG GTGGACGAAT TGAAGGAAAA GGAAGAGAAG
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1865       1875       1885       1895       1905       1915
1b_SalI      CTTGCAAAGT ACATGGAAGA AATTAACGAA AAAATTAAAG ACATGATAAA GAAAATGCAC
1b_Thai      CTTGCAAAGT ACATGGAAGA AATTAACGAA AAAATTAAAG ACATGATAAA GAAAATGCAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1925       1935       1945       1955       1965       1975
1b_SalI      AAATTAAAGG AAGTCATCGT TTTAAGAGAT AAAGCGAATC AAGATGTCAT CACGATTAAC
1b_Thai      AAATTAAAGG AAGTCATCGT TTTAAGAGAT AAAGCGAATC AAGATGTCAT CACGATTAAC
Conservation ********** ********** ********** ********** ********** **********



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1985       1995       2005       2015       2025       2035
1b_SalI      GAGTTACTGA ATGGAGGGTC GAATGCCAAT TTGGAAGAAT TCATAAGTAA AAAGAACAAA
1b_Thai      GAGTTACTGA ATGGAGGGTC GAATGCCAAT TTGGAAGAAT TCATAAGTAA AAAGAACAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2045       2055       2065       2075       2085       2095
1b_SalI      GCCAATGATG ATATTAATTC GATATTTAAA ACATTGTACA GCGGAGACGT ATATGATCTT
1b_Thai      GCCAATGATG ATATTAATTC GATATTTAAA ACATTGTACA GCGGAGACGT ATATGATCTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2105       2115       2125       2135       2145       2155
1b_SalI      ATCGAAACGG TGGGCACGTT TGTTCGTGAA AAGAGAAAAA TTGTAGGCGA AACGTTTTCC
1b_Thai      ATCGAAACGG TGGGCACGTT TGTTCGTGAA AAGAGAAAAA TTGTAGGCGA AACGTTTTCC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2165       2175       2185       2195       2205       2215
1b_SalI      GCTAAACAAA TTGACCAAGT GGAACAATAT CTCAGCGAAG TAAGAGTGGC TCATGCCAAT
1b_Thai      GCTAAACAAA TTGACCAAGT GGAACAATAT CTCAGCGAAG TAAGAGTGGC TCATGCCAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2225       2235       2245       2255       2265       2275
1b_SalI      TTAGACACCC TGACTCATGA AAAATTGATA AATGCCTATG ATCAGTTAAG CGCAGAAGAG
1b_Thai      TTAGACACCC TGACTCATGA AAAATTGATA AATGCCTATG ATCAGTTAAG CGCAGAAGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2285       2295       2305       2315       2325       2335
1b_SalI      AACAATACAG AAAAACTTAA AAATGATCTT GTTAAGAAGA AGAGCGAAGA TCTATACAAA
1b_Thai      AACAATACAG AAAAACTTAA AAATGATCTT GTTAAGAAGA AGAGCGAAGA TCTATACAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2345       2355       2365       2375       2385       2395
1b_SalI      AAAATGGCAG ACTCTTTGAA AACATTTAAA ACTGAATATG CTGATTTGGT GAGAAATATG
1b_Thai      AAAATGGCAG ACTCTTTGAA AACATTTAAA ACTGAATATG CTGATTTGGT GAGAAATATG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2405       2415       2425       2435       2445       2455
1b_SalI      GAGGAATACG AAAGGGAAGA AAAAATATTA GAACAGTGTA TGGGAAAAAC TTTGAAAAAG
1b_Thai      GAGGAATACG AAAGGGAAGA AAAAATATTA GAACAGTGTA TGGGAAAAAC TTTGAAAAAG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2465       2475       2485       2495       2505       2515
1b_SalI     GAGGAAGAAC ACTTCAACAC GTTACAAGTG GATGGAGAAG CTCTGAAAGA CACGTACAAT
1b_Thai     GAGGAAGAAC ACTTCAACAC GTTACAAGTG GATGGAGAAG CTCTGAAAGA CACGTACAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2525       2535       2545       2555       2565       2575
1b_SalI     TGCGCAGGAT TCGAAAAACT GAGGGGCACT TTTTCGCAGA GGAAATTCGA ATTGTCACAA
1b_Thai     TGCGCAGGAT TCGAAAAACT GAGGGGCACT TTTTCGCAGA GGAAATTCGA ATTGTCACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2585       2595       2605       2615       2625       2635
1b_SalI     AAAATAGACC ACGTTAAGGG TGTGGTGACT AATATGGAGA AACTTTTAAA ATCTTACAGT
1b_Thai     AAAATAGACC ACGTTAAGGG TGTGGTGACT AATATGGAGA AACTTTTAAA ATCTTACAGT
Conservation ********** ********** ********** ********** ********** **********



            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2645       2655       2665       2675       2685       2695
1b_SalI     GATTTGGAGA AGCATTTTCT TTTACTTGAT GATAGCGATT ACGTAAAACG AGTGGAAACA
1b_Thai     GCTTTGGAGA AGCATTTTCT TTTACTTGAT GATAGCGATT ACGTAAAACG AGTGGAAACA
Conservation *.******** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2705       2715       2725       2735       2745       2755
1b_SalI     TTAAGACAAA CTGTTCAGCG CGAAATGATG AATAAAAAAA TGAGTGTTCA AGAGGACAGC
1b_Thai     TTAAGACAAA CTGTTCAGCG CGAAATGATG AATAAAAAAA TGAGTGTTCA AGAGGACAGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2765       2775       2785       2795       2805       2815
1b_SalI     TTCAAGAGAA GGACTGAATC TGTACTTAAG ACCATCAAAA TATTCGAAAG TTTAAACAAA
1b_Thai     TTCAAGAGAA GGACTGAATC TGTACTTAAG ACCATCAAAA TATTCGAAAG TTTAAACAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2825       2835       2845       2855       2865       2875
1b_SalI     ACCATACATT TTCATAACCA CTTAAACAGG AGCATAAACG AATGTGAAGG CATCAATGTA
1b_Thai     ACCATACATT TTCATAACCA CTTAAACAGG AGCATAAACG AATGTGAAGG CATCAATGTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2885       2895       2905       2915       2925       2935
1b_SalI     TCGATCAACA GTTTAAAAGG CAAAACAGTC GCGTTAAAGG GCGAACTGCA AAAAGAAATT
1b_Thai     TCGATCAACA GTTTAAAAGG CAAAACAGTC GCGTTAAAGG GCGAACTGCA AAAAGAAATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2945       2955       2965       2975       2985       2995
1b_SalI     GATGACATTG GAGCAGACCA GCTGATAAGT GAAGCTGTAA AAGTGGCACT ACTAGATAAG
1b_Thai     GATGACATTG GAGCAGACCA GCTGATAAGT GAAGCTGTAA AAGTGGCACT ACTAGATAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3005       3015       3025       3035       3045       3055
1b_SalI     TTGAAAGCAG AACTAGGAAG TGTAAACAGC AAATTAGATG AAACTCACAT GGATGATTTG
1b_Thai     TTGAAAGCAG AACTAGGAAG TGTAAACAGC AAATTAGATG AAACTCACAT GGATGATTTG
Conservation ********** ********** ********** ********** ********** **********

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                3065       3075       3085       3095       3105       3115
1b_SalI       CTCAAAAAAT CAACAGATTT GAATAAATTC TACAGAGATT CAAAAAGCGA TTTGCACGAA
1b_Thai       CTCAAAAAAT CAACAGATTT GAATAAATTC TACAGAGATT CAAAAAGCGA TTTGCACGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3125       3135       3145       3155       3165       3175
1b_SalI       AAGAGGCAAG AATACCCTGT GCACTATTCT CTAGAAAAGG TAAATGACTG GGAAGAAATT
1b_Thai       AAGAGGCAAG AATACCCTGT GCACTATTCT CTAGAAAAGG TAAATGACTG GGAAGAAATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3185       3195       3205       3215       3225       3235
1b_SalI       AAAACGGAAG TCCACGAATT AAATGCTCAT TATAATGCAT TCAACGACAA TAAGGCTAAA
1b_Thai       AAAACGGAAG TCCACGAATT AAATGCTCAT TATAATGCAT TCAACGACAA TAAGGCTAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3245       3255       3265       3275       3285       3295
1b_SalI       CTAATTTTAG CCAATTCGCG CATGTACTTG GAATCAATAT ATAACCTTAT AAAAGAGTTG
1b_Thai       CTAATTTTAG CCAATTCGCG CATGTACTTG GAATCAATAT ATAACCTTAT AAAAGAGTTG
Conservation ********** ********** ********** ********** ********** **********



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3305       3315       3325       3335       3345       3355
1b_SalI       GTTCATAACA CAAGGGAGGA GAAAGACAAA ATGGAGAGAT CTCTAAAGGG AATAGAAAAA
1b_Thai       GTTCATAACA CAAGGGAGGA GAAAGACAAA ATGGAGAGAT CTCTAAAGGG AATAGAAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3365       3375       3385       3395       3405       3415
1b_SalI       AGCGTAGAAA CTATCGAACT GAACCAGGAT TATAAAAACG CTAAAGTTAC GGACAATGAG
1b_Thai       AGCGTAGAAA CTATCGAACT GAACCAGGAT TATAAAAACG CTAAAGTTAC GGACAATGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3425       3435       3445       3455       3465       3475
1b_SalI       AATGAAATAA AAAATATAAA TGAAGACACT ATTCCAAAAA TTAAGGAACG AATTGATGAG
1b_Thai       AATGAAATAA AAAATATAAA TGAAGACACT ATTCCAAAAA TTAAGGAACG AATTGATGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3485       3495       3505       3515       3525       3535
1b_SalI       TATAGCAGAA AACTGACTAA ATTCGAGGAA CAATCGGATA GTTTAAACAA CAAAGACACG
1b_Thai       TGTAGCAGAA AACTGACTAA ATTCGAGGAA CAATCGGATA GTTTAAACAA CAAAGACACG
Conservation *.******** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3545       3555       3565       3575       3585       3595
1b_SalI       AATAAAGGAA GTGACGTTAC TCTCTTGCTT GATGTGATAA GACAAATGAA AGGTACTTAT
1b_Thai       AATAAAGGAA GTGACGTTAC TCTCTTGCTT GATGTGATAA GACAAATGAA AGGTACTTAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3605       3615       3625       3635       3645       3655
1b_SalI       CAAGAATTAA AAAAGATACC TACTGAGATG TTCAAAGAGA GGGACGAAAT AAGGAACACT
1b_Thai       CAAGAATTAA AAAAGATACC TACTGAGATG TTCAAAGAGA GGGACGAAAT AAGGAACACT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3665       3675       3685       3695       3705       3715
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1b_SalI      GAAGAAAATG TAAACAAGGT TCAATTCGCA TACGAGAGAA AATTAATTGA GCAATTTTTA
1b_Thai      GAAGAAAATG TAAACAAGGT TCAATTCGCA TACGAGAGAA AATTAATTGA GCAATTTTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3725       3735       3745       3755       3765       3775
1b_SalI      AAAAGAATTA CTCAGAAGAG GAATGAGGCG GAAGAGCAAA CACAACAGAT CAGCGCAATT
1b_Thai      AAAAGAATTA CTCAGAAGAG GAATGAGGCG GAAGAGCAAA CACAACAGAT CAGCGCAATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3785       3795       3805       3815       3825       3835
1b_SalI      GTTAAACAAA TTGAAGGGAT AAGAAAAGAA ACGGGAGATC CTATCGACAA AGAATTAACC
1b_Thai      GTTAAACAAA TTGAAGGGAT AAGAAAAGAA ACGGGAGATC CTATCGACAA AGAATTAACC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3845       3855       3865       3875       3885       3895
1b_SalI      ACCACGAACT GCGAAAAACA TCTTCACGAT GCTGAAGAAA AAGGGGAGGA AATAAAGCAA
1b_Thai      ACCACGAACT GCGAAAAACA TCTTCACGAT GCTGAAGAAA AAGGGGAGGA AATAAAGCAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3905       3915       3925       3935       3945       3955
1b_SalI      ATTGAAGAGT TGTCCACCAA ACTGAGAGGA GAAGCTGCCA CTACTGATGT CATAAGTGAA
1b_Thai      ATTGAAGAGT TGTCCACCAA ACTGAGAGGA GAAGCTGCCA CTACTGATGT CATAAGTGAA
Conservation ********** ********** ********** ********** ********** **********



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3965       3975       3985       3995       4005       4015
1b_SalI      GTCATAAAAA TTAAAGAACA GGTTTACGCA CATTTGGAAA AAGCCACAAG CAATAGTAAC
1b_Thai      GTCATAAAAA TTAAAGAACA GGTTTACGCA CATTTGGAAA AAGCCACAAG CAATAGTAAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4025       4035       4045       4055       4065       4075
1b_SalI      CACGTAAGCG AGGCACTGAA CACAATTAAA GAAATGAAAG AACTAATACT GTCAGAGAGT
1b_Thai      CACGTAAGCG AGGCACTGAA CACAATTAAA GAAATGAAAG AACTAATACT GTCAGAGAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4085       4095       4105       4115       4125       4135
1b_SalI      TATAACAGTG TTATTAACTT TATCTTAAGG AATGTAAATG ATGCTCATAA ATATGTCGAA
1b_Thai      TATAACAGTG TTATTAACTT TATCTTAAGG AATGTAAATG ATGCTCATAA ATATGTCGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4145       4155       4165       4175       4185       4195
1b_SalI      TTGGTAAAAA TGGAATTGCT AAAAATTGAA GATGCCACTG ACCATGTGAA GATACGATTT
1b_Thai      TTGGTAAAAA TGGAATTGCT AAAAATTGAA GATGCCACTG ACCATGTGAA GATACGATTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4205       4215       4225       4235       4245       4255
1b_SalI      GAGGAAGCAA AGAAGTTAAA GGAAAAAATC AAGACAGATG TGGATGACGA GGGGGCAGAT
1b_Thai      GAGGAAGCAA AGAAGTTAAA GGAAAAAATC AAGACAGATG TGGATGACGA GGGGGCAGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4265       4275       4285       4295       4305       4315
1b_SalI      CATATCATCA AAGAAATTGA AGAAATAAGA AAAGTAATTT TGAATGAAAT AAAAGACACA
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1b_Thai       CATATCATCA AAGAAATTGA AGAAATAAGA AAAGTAATTT TGAATGAAAT AAAAGACACA
Conservation ********** ********** ********** ********** ********** **********

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                   4325       4335       4345       4355       4365       4375
1b_SalI       AGCACATTTT TAACAAATGC AGAAAAGGGC AAAGAAAATT GTCTTCTACA TTTCGAGAAT
1b_Thai       AGCACATTTT TAACAAATGC AGAAAAGGGC AAAGAAAATT GTCTTCTACA TTTCGAGAAT
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4385       4395       4405       4415       4425       4435
1b_SalI       GCAAAGGGGG GAAAAGCAAA ATTTGATTAC TTAAAAGAAC ATGGTGACGG TGAGCACAAA
1b_Thai       GCAAAGGGGG GAAAAGCAAA ATTTGATTAC TTAAAAGAAC ATGGTGACGG TGAGCACAAA
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4445       4455       4465       4475       4485       4495
1b_SalI       AGAATATCAC ACAGTGAGAT AAATATGGTG GAAGAAAATA TGACAAAAGT GAAACAACAC
1b_Thai       AGAATATCAC ACAGTGAGAT AAATATGGTG GAAGAAAATA TGACAAAAGT GAAACAACAC
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4505       4515       4525       4535       4545       4555
1b_SalI       ACGGATGAAG CTGACAAGGA TGTGGAACAA ACGAAAAAAT TTTATTACTC TATTTTGGGA
1b_Thai       ACGGATGAAG CTGACAAGGA TGTGGAACAA ACGAAAAAAT TTTATTACTC TATTTTGGGG
Conservation ********** ********** ********** ********** ********** *********.

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4565       4575       4585       4595       4605       4615
1b_SalI       TATGAAAAAC TAATCAATGA TCTGCTAAAC GAATCGCTAC TTAGAAAAGT CAAATTAAAA
1b_Thai       TATGAAAAAC TAATCAATGA TCTGCTAAAC GAATCGCTAC TTAGAAAAGT CAAATTAAAA
Conservation ********** ********** ********** ********** ********** **********



                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4625       4635       4645       4655       4665       4675
1b_SalI       TGCGAGAAAT TGAGAACAGA AGTAGACGGA ATAATGGACG AAATGGAACG TGTAGATGTT
1b_Thai       TGCGAGAAAT TGAGAACAGA AGTAGACGGA ATAATGGACG AAATGGAACG TGTAGATGTT
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4685       4695       4705       4715       4725       4735
1b_SalI       AAGGCCAAGG AAGAGTCCAT CGAACAAGAA CAAAAGGTAA AACAAATGAA GGAGCAATCC
1b_Thai       AAGGCCAAGG AAGAGTCCAT CGAACAAGAA CAAAAGGTAA AACAAATGAA GGAGCAATCC
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4745       4755       4765       4775       4785       4795
1b_SalI       ATTGTTGAGG GTGATCAGCC TAAAGAACTT AACGAAGAGT CTATGAACGC ATTGCTACAA
1b_Thai       ATTGTTGAGG GTGATCAGCC TAAAGAACTT AACGAAGAGT CTATGAACGC ATTGCTACAA
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4805       4815       4825       4835       4845       4855
1b_SalI       ATAAAAAATT ACAGACAGAA ATTGGACGAC GTTATGTTAA GTATAAAAAG TGTGGAAGAG
1b_Thai       ATAAAAAATT ACAGACAGAA ATTGGACGAC GTTATGTTAA GTATAAAAAG TGTGGAAGAG
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4865       4875       4885       4895       4905       4915
1b_SalI       AATATGGAGC AGTTTTTAAG GAATGCTGGC AGTTACGTGA AAACAACGCT AGACATCTCT
1b_Thai       AATATGGAGC AGTTTTTAAG GAATGCTGGC AGTTACGTGA AAACAACGCT AGACATCTCT
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Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4925       4935       4945       4955       4965       4975
1b_SalI      CAACTGCGAA ATGAAAATTC GTTCGATAAT TTGACAGCGG CGGAGGAAAA CTACAAAATA
1b_Thai      CAACTGCGAA ATGAAAATTC GTTCGATAAT TTGACAGCGG CGGAGGAAAA CTACAAAATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4985       4995       5005       5015       5025       5035
1b_SalI      GCATTGAGAA ATGTTCAGAA TGAAAAACAG CGTATGATAA GTGAGGAAAA AAGGCTAGCT
1b_Thai      GCATTGAGAA ATGTTCAGAA TGAAAAACAG CGTATGATAA GTGAGGAAAA AAGGCTAGCT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5045       5055       5065       5075       5085       5095
1b_SalI      GAAATGTATA GGGATATCAT TAGTGTAGGA AAAGAATTGG AAGAACAAAA AAAAAGATAC
1b_Thai      GAAATGTATA GGGATATCAT TAGTGTAGGA AAAGAATTGG AAGAACAAAA AAAAAGATAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5105       5115       5125       5135       5145       5155
1b_SalI      GAAGTGGGAT TATTGAAAGG GATAAAAGAG AATGCTGACA GAAGATTGAC CGCATTGGAA
1b_Thai      GAAGTGGGAT TATTGAAAGG GATAAAAGAG AATGCTGACA GAAGATTGAC CGCATTGGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5165       5175       5185       5195       5205       5215
1b_SalI      TTAACCAAAA AGGAAGTTAA CTCTTTGGTG GATCCGTCCA AATCCATATT TTTTAAATTC
1b_Thai      TTAACCAAAA AGGAAGTTAA CTCTTTGGTG GATCCGTCCA AATCCATATT TTTTAAATTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5225       5235       5245       5255       5265       5275
1b_SalI      AAATTGGACA ACTTAGACGA AACAGATATA ATGAAATATC TATATCGCTA TGCTGATCGA
1b_Thai      AAATTGGACA ACTTAGACGA AACAGATATA ATGAAATATC TATATCGCTA TGCTGATCGA
Conservation ********** ********** ********** ********** ********** **********



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                5285       5295       5305       5315       5325       5335
1b_SalI      ATTTACCATA TTTTTGACGA ATTTGTGAAA TTGTACAAAA TGATAGAAGG ATATTTATCC
1b_Thai      ATTTACCATA TTTTTGACGA ATTTGTGAAA TTGTACAAAA TGATAGAAGG ATATTTATCC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5345       5355       5365       5375       5385       5395
1b_SalI      CAGAATTCGG ACCCCTCTGT AACATTTAAT GAAGTCAAAA TGGTGAGGGA GAAAGCGCAA
1b_Thai      CAGAATTCGG ACCCCTCTGT AACATTTAAT GAAGTCAAAA TGGTGAGGGA GAAAGCGCAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5405       5415       5425       5435       5445       5455
1b_SalI      ATGGAAGAAA TGAGCCTTGG AGAAAAGGAA GAAGAGTCAA AAGAAGTACT GAGAGACATG
1b_Thai      ATGGAAGAAA TGAGCCTTGG AGAAAAGGAA GAAGAGTCAA AAGAAGTACT GAGAGACATG
Conservation ********** ********** ********** ********** ********** **********

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                5465       5475       5485       5495       5505       5515
1b_SalI      AAAAAAAAGG AGTCCATAAG GTTGTTAAAC GAAATGATGG AAATGCTGAA CAGTGCAAAG
1b_Thai      AAAAAAAAGG AGTCCATAAG GTTGTTAAAC GAAATGATGG AAATGCTGAA CAGTGCAAAG
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5525       5535       5545       5555       5565       5575
1b_SalI      GAAAGAGTTA CGGAAGATCA TGCAAAAGTC AGCAACTATG TGGAGAATGT TAAAAAAGAC
1b_Thai      GAAAGAGTTA CGGAAGATCA TGCAAAAGTC AGCAACTATG TGGAGAATGT TAAAAAAGAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5585       5595       5605       5615       5625       5635
1b_SalI      GTCACCGATT TAAAGGTACT GGACGATGTA AATAACGGCG CCAATGTTTT TAATAAGGCA
1b_Thai      GTCACCGATT TAAAGGTACT GGACGATGTA AATAACGGCG CCAATGTTTT TAATAAGGCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5645       5655       5665       5675       5685       5695
1b_SalI      ATGAATAGTG TTAACGAAAT TAAAGACGCA AAGTATATGA ACCATAGGAA GGAAGCGGAA
1b_Thai      ATGAATAGTG TTAACGAAAT TAAAGACGCA AAGTATATGA ACCATAGGAA GGAAGCGGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5705       5715       5725       5735       5745       5755
1b_SalI      AATATATACG AAAATATGAT ACAACTGGCG AACTATTTCT TAGATGACGA TGTTAGGATG
1b_Thai      AATATATACG AAAATATGAT ACAACTGGCG AACTATTTCT TAGATGACGA TGTTAGGATG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5765       5775       5785       5795       5805       5815
1b_SalI      GAGTCCACGG GAAAGTTAAG CGAAGCGGCA TTTGCAAAGG CAGAACCGGG TATAGTGTCA
1b_Thai      GAGTCCACGG GAAAGTTAAG CGAAGCGGCA TTTGCAAAGG CAGAACCGGG TATAGTGTCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5825       5835       5845       5855       5865       5875
1b_SalI      GACATTTTTG GCAAAATAAA GGAGGCGAAG GAAATTGTAG AAAAAATAGA AGAAGAGTCA
1b_Thai      GACATTTTTG GCAAAATAAA GGAGGCGAAG GAAATTGTAG AAAAAATAGA AGAAGAGTCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5885       5895       5905       5915       5925       5935
1b_SalI      ATAGGTATAC AAAATAAACA AATAGAAGGG GAAAGGCTCT CCACTGAGGC GAACCACATT
1b_Thai      ATAGGTATAC AAAATAAACA AATAGAAGGG GAAAGGCTCT CCACTGAGGC GAACCACATT
Conservation ********** ********** ********** ********** ********** **********



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5945       5955       5965       5975       5985       5995
1b_SalI      TACAGCGTGG CAAAGCTGAA AAATGAATTT AAAAACAAAA AGAATGAAGC GAAACTTAAG
1b_Thai      TACAGCGTGG CAAAGCTGAA AAATGAATTT AAAAACAAAA AGAATGAAGC GAAACTTAAG
Conservation ********** ********** ********** ********** ********** **********

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                6005       6015       6025       6035       6045       6055
1b_SalI      GTCATATTCG TGCTAGCCGA AATAGAGGAA GCATTACATA AATTAAAAAG TGTGAATAAA
1b_Thai      GTCATATTCG TGCTAGCCGA AATAGAGGAA GCATTACATA AATTAAAAAG TGTGAATAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6065       6075       6085       6095       6105       6115
1b_SalI      GTAAAATGCC ATTATGATAA TTATGATAAT TATAATGATA TACTAGAAAA TAACGAAGAA
1b_Thai      GTAAAATGCC ATTATGATAA TTATGATAAT TATAATGATA TACTAGAAAA TAACGAAGAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6125       6135       6145       6155       6165       6175
1b_SalI      CATGAGAATT TCAAGCAAAT TTCTTCTACC TACAAGTTGA AGAAGGCCCA AATAGCGAAA
1b_Thai      CATGAGAATT TCAAGCAAAT TTCTTCTACC TACAAGTTGA AGAAGGCCCA AATAGCGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6185       6195       6205       6215       6225       6235
1b_SalI      GAAGCAGATA TAAATGAAAT GAAAAATGAT GCAAATATGT ACAAAGACAA GTTAGCCAGT
1b_Thai      GAAGCAGATA TAAATGAAAT GAAAAATGAT GCAAATATGT ACAAAGACAA GTTAGCCAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6245       6255       6265       6275       6285       6295
1b_SalI      TTGGATAAAA ACGGGGAGAC TTTTAACGAT GGAAGCGATG AAATTTCTAC TGCACAGAAG
1b_Thai      TTGGATAAAA ACGGGGAGAC TTTTAACGAT GGAAGCGATG AAATTTCTAC TGCACAGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6305       6315       6325       6335       6345       6355
1b_SalI      TACAAAACTG ACGTTGAAGG TATTATAGAC AAACTAAACG TTATAGATGA AACCATTAAT
1b_Thai      TACAAAACTG ACGTTGAAGG TATTATAGAC AAACTAAACG TTATAGATGA AACCATTAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6365       6375       6385       6395       6405       6415
1b_SalI      GGAATTAATT CCACGCTAGA CGAATTGCTA GAGTTAGGAA ATAATTGTCA GCTGCATCGG
1b_Thai      GGAATTAATT CCACGCTAGA CGAATTGCTA GAGTTAGGAA ATAATTGTCA GCTGCATCGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6425       6435       6445       6455       6465       6475
1b_SalI      ACCTTTTTAA TCAGCAGTTC TTTGAATAAT AAAATTGCAA AATTCTTAGT AGAGATTAGG
1b_Thai      ACCTTTTTAA TCAGCAGTTC TTTGAATAAT AAAATTGCAA AATTCTTAGT AGAGATTAGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6485       6495       6505       6515       6525       6535
1b_SalI      GAACAAAAAG AGAACACAAA AAAATGCTTC CAATATGTAA AAAGAAATCA CCAACATTTG
1b_Thai      GAACAAAAAG AGAACACAAA AAAATGCTTC CAATATGTAA AAAGAAATCA CCAACATTTG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6545       6555       6565       6575       6585       6595
1b_SalI      GCTAATTTCG TTTCTGAGTT ACACAAAACT CAGGGTGGCA TATTTGAGAA TGTTAACCTG
1b_Thai      GCTAATTTCG TTTCTGAGTT ACACAAAACT CAGGGTGGCA TATTTGAGAA TGTTAACCTG
Conservation ********** ********** ********** ********** ********** **********



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6605       6615       6625       6635       6645       6655
1b_SalI      GTGGATAACA CACCGGATGC AGATAAGTAT TACCATGAAT TTATGGAAAT AGAGCAGGAG
1b_Thai      GTGGATAACA CACCGGATGC AGATAAGTAT TACCATGAAT TTATGGAAAT AGAGCAGGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6665       6675       6685       6695       6705       6715
1b_SalI      GCAACGAAAA TCGTGAAGGA TATAAAAAAG GAAATATACC ACTTAAACGA TGATGTAGAC
1b_Thai      GCAACGAAAA TCGTGAAGGA TATAAAAAAG GAAATATACC ACTTAAACGA TGATGTAGAC
Conservation ********** ********** ********** ********** ********** **********

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                6725       6735       6745       6755       6765       6775
1b_SalI       GAACCTGTTT TGGAGAAACG GATAAAAGAC GTGATCAACA CGTATAACAA ATTGAAGACG
1b_Thai       GAACCTGTTT TGGAGAAACG GATAAAAGAC GTGATCAACA CGTATAACAA ATTGAAGACG
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6785       6795       6805       6815       6825       6835
1b_SalI       AAAAAGGTCC AAATGGACCA GAGTTATAAA AATATGTATA TCACTAAATT GAGGGAAGTC
1b_Thai       AAAAAGGTCC AAATGGACCA GAGTTATAAA AATATGTATA TCACTAAATT GAGGGAAGTC
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6845       6855       6865       6875       6885       6895
1b_SalI       GAGGGAAGCC ACGATCTTTT CAACCAGGTA GCACAATTGA TTAGAGGCGA AACGGATAAA
1b_Thai       GAGGGAAGCC ACGATCTTTT CAACCAGGTA GCACAATTGA TTAGAGGCGA AACGGATAAA
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6905       6915       6925       6935       6945       6955
1b_SalI       AAAGGGAAAG CCCTGTCAGA GAGAGAAAAT AACTTACACA GTATTTACAA TTTTGTAAAA
1b_Thai       AAAGGGAAAG CCCTGTCAGA GAGAGAAAAT AACTTACACA GTATTTACAA TTTTGTAAAA
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6965       6975       6985       6995       7005       7015
1b_SalI       TTGCACGAAA CTGAGCTGCA TAATCTTTAC GCCAAATACA CACCGGAGTA TATGGAAAAA
1b_Thai       TTGCACGAAA CTGAGCTGCA TAATCTTTAC GCCAAATACA CACCGGAGTA TATGGAAAAA
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7025       7035       7045       7055       7065       7075
1b_SalI       ATAAATAAAA TATTCGACGA CATCAATGCT AGGATGATTG CGGTTGACCT TAATGATGAT
1b_Thai       ATAAATAAAA TATTCGACGA CATCAATGCT AGGATGATTG CGGTTGACCT TAATGATGAT
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7085       7095       7105       7115       7125       7135
1b_SalI       CACAGCAGTG AATATAGCGA CGTGAAAAGG CATGAACACG AGGCCATGCT TTTAATGGAC
1b_Thai       CACAGCAGTG AATATAGCGA CGTGAAAAGG CATGAACACG AGGCCATGCT TTTAATGGAC
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7145       7155       7165       7175       7185       7195
1b_SalI       GCAACAAATA ATTTGTCGAA GGAAGTAGAA ATGATGCAGA ACGAAAGTGG CGGCAAAAAC
1b_Thai       GCAACAAATA ATTTGTCGAA GGAAGTAGAA ATGATGCAGA ACGAAAGTGG CGGCAAAAAC
Conservation ********** ********** ********** ********** ********** **********

              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7205       7215       7225       7235       7245       7255
1b_SalI       GATGGCATAA ATGGAGGAAA AAGCCAACTC GTGGAAGATT ACACAAATAC GATGAGCGAA
1b_Thai       GATGGCATAA ATGGAGGAAA AAGCCAACTC GTGGAAGATT ACACAAATAC GATGAGCGAA
Conservation ********** ********** ********** ********** ********** **********



              ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7265       7275       7285       7295       7305       7315
1b_SalI       TTCACGGAGC AGGCTAAGAC AGTTGCGAAA AAGATACACG ACTCAAAAGG GGACTACGCA
1b_Thai       TTCACGGAGC AGGCTAAGAC AGTTGCGAAA AAGATACACG ACTCAAAAGG GGACTACGCA
Conservation ********** ********** ********** ********** ********** **********

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                7325       7335       7345       7355       7365       7375
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1b_SalI      AATATGTTTG ATCATATAAG GGAGAATGAA GCCATGCTGG AAAGAATTGA CCTGAAGAAG
1b_Thai      AATATGTTTG ATCATATAAG GGAGAATGAA GCCATGCTGG AAAGAATTGA CCTGAAGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7385       7395       7405       7415       7425       7435
1b_SalI      AAGGACATTA AAGAAATACT TGCGCATTTA AACAGAATGA AGGAATATTT ATTAAAAAAA
1b_Thai      AAGGACATTA AAGAAATACT TGCGCATTTA AACAGAATGA AGGAATATTT ATTAAAAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7445       7455       7465       7475       7485       7495
1b_SalI      TTATCTGAAG AGGAGAAATT ACATCATATG AGAGAAAAAT TAGAAGAAGT TAACACGAGT
1b_Thai      TTATCTGAAG AGGAGAAATT ACATCATATG AGAGAAAAAT TAGAAGAAGT TAACACGAGT
Conservation ********** ********** ********** ********** ********** **********

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                7505       7515       7525       7535       7545       7555
1b_SalI      ACTGACGAAA TTGTAAAAAA ATTCAGGACA TATGATCAAA TGGTAGATAT ATCCCAAAAT
1b_Thai      ACTGACGAAA TTGTAAAAAA ATTCAGGACA TATGATCAAA TGGTAGATAT ATCCCAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7565       7575       7585       7595       7605       7615
1b_SalI      ATTGACATCA AAAATGTGCA GTCAAAAAGG TACGACTCTG TCGATGAGAT AGATAAAGAA
1b_Thai      ATTGACATCA AAAATGTGCA GTCAAAAAGG TACGACTCTG TCGATGAGAT AGATAAAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7625       7635       7645       7655       7665       7675
1b_SalI      ATGAGTTACA TAAAAACTCA CAACAAAGAT TTAATAGACA GCAAATTTAT AGTGGAAAGG
1b_Thai      ATGAGTTACA TAAAAACTCA CAACAAAGAT TTAATAGACA GCAAATTTAT AGTGGAAAGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7685       7695       7705       7715       7725       7735
1b_SalI      GCACTAGAAA ATGACAAAAG GAAAAAGAGC GAAATGGGTT CAGGGTTTAG GGTTCAGGGT
1b_Thai      GCACTAGAAA ATGACAAAAG GAAAAAGAGC GAAATGGCTC AAATATTTTC TACAATTTCG
Conservation ********** ********** ********** *******.*. .*...***.. ..........

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7745       7755       7765       7775       7785       7795
1b_SalI      TCAGGGTTTA GGGTTCAGGG TTCAGGGTTT AGGGTTCAGG GTTCAGGGTT TAGGTTTAGG
1b_Thai      AGAGATAACT CGAGTATGTA CGAATATGCA AAAAGCTTTT TTGATAGCGT CCTTAAAGAA
Conservation ..**...... .*..*..*.. ...*...... *......... .*........ ..........

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7805       7815       7825       7835       7845       7855
1b_SalI      GTTCAGGGTT TAGGGTTCAG GGTTTAG--- ---------- ---------- ----------
1b_Thai      ATTGAAAAAC TAACTCAAAT GATTAGAAAT ATGGATAAAT TGATAAACGA AAATGAAGCC
Conservation .**.*..... **......*. *.**...

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7865       7875       7885       7895       7905       7915
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      GTAATGGAAA AATTGAAAGA TCAACGAAGG GAGTTACAAA ATGTAGAGAA TGCTTCTACC
Conservation



             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7925       7935       7945       7955       7965       7975
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
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1b_Thai      GATTTGGGAA AATTAGAAGA AGTAGACAAA ATGGCACAAA CCAAATCGGA AACAGAGCTA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7985       7995       8005       8015       8025       8035
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      TCAGAAAGAA ACGATAGTAG GAATGCAAAG GATGGTGCAA CTTATTCTAC ACTTATGGAT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8045       8055       8065       8075       8085       8095
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      GATAAAGAAA CAGATAGCGT GAACGGAGAA GAGACGAAAC AAGAAAATGT TGTGGTGAAG
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8105       8115       8125       8135       8145       8155
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      AAGGGACTAC CCCCTCAAAC AGACATTTAC ACAAGTGGAG TTTTAAAAAA TGACAGAAAC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8165       8175       8185       8195       8205       8215
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      GATCAAAAAT CAGAAAAAAT TGGTGAGAAA AAGTCAAACA AACCAGTAGG CACCGAGGAG
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8225       8235       8245       8255       8265       8275
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      AATATACAAC ACAGCAGTTA TTTAAACAAT GATAATAGTA ACAACGATAT TGACGTAGGC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8285       8295       8305       8315       8325       8335
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      ACCTTGTATA CGCTAGGTGG ATATAACGCT CCAAATGATA ATTATAACAC TAATGAATCT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8345       8355       8365       8375       8385       8395
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      GGGGATGATA TAAATGAAGA AGCGAAAAAA AAGAGAAATG CTGTTTTATT CGTCTATGTA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8405       8415       8425       8435       8445       8455
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      GGGGGACTGT TTAGTGCTCT TTTCATTTGT ATTGGTGCTG TCTTCTATTT GTTACATAGA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8465       8475       8485       8495       8505       8515
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      AAAATTGGCA TAGAGGGGGT CGGAAAAAGC GATCACGAAA AAAAACCAAC CATTGAGGAC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8525       8535       8545       8555       8565       8575
1b_SalI      ---------- ---------- ---------- ---------- ---------- ----------
1b_Thai      ACCAAAATTG AGGTATTTGA AGAAACATAT GGTTTAAAAC GTAATGTAAA AGATGAGGTT
Conservation
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             ....|....| ....|....| ....|....| ....|....
                8585       8595       8605       8615
1b_SalI      ---------- ---------- ---------- ---------
1b_Thai      ATTGATGTAC CCTTTGTCGA TATGGAAGAT AATTTGTAA
Conservation
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Alignment: Pvrbp2a

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
2a_SalI      ATGGAAAATA AGGTGCTCTG GGCAGTTTTT TACAATCTAG TGCTGTTCCT TCTGGCATCA
2a_Thai      ATGGAAAATA AGGTGCTCTG GGCAGTTTTT TACAATCTAG TGCTGTTCCT TCTGGCATCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                65         75         85         95        105        115
2a_SalI      AGCAAAGAAA GCAATCGAAT TAAAGCATAT AAACTTAAGA AGGAACCTAA GCTATGGCCA
2a_Thai      AGCAAAGAAA GCAATCGAAT TAAAGCATAT AAACTTAAGA AGGAACCTAA GCTATGGCCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               125        135        145        155        165        175
2a_SalI      CTACAAGATA GCCTTAACGA AAGCGATAAA TTCGAGTATA CCAATGGAGG GAAGGAAAAT
2a_Thai      CTACAAGATA GCCTTAACGA AAGCGATAAA TTCGAGTATA CCAATGGAGG GAAGGAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               185        195        205        215        225        235
2a_SalI      CCCCCAAATT TCTTCAGCTC AAATGTAAAG GCGCATAATA AAAAAGAGGG CAAAAAGTAT
2a_Thai      CCCCCAAATT TCTTCAGCTC AAATGTAAAG GCGCATAATA AAAAAGAGGG CAAAAAGTAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               245        255        265        275        285        295
2a_SalI      GAACAAAATT TGTCTTTACC TGACAACACA TCTTTCGTAA CGGTAAAAAA TTATAACTAC
2a_Thai      GAACAAAATT TGTCTTTACC TGACAACACA TCTTTCGTAA CGGTAAAAAA TTATAACTAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               305        315        325        335        345        355
2a_SalI      ACAAGAACAC CATCACACCA TGCTTACATA AGAAGAGACA ATACACACAC CAACAGTACA
2a_Thai      ACAAGAACAC CATCACACCA TGCTTACATA AGAAGAGACA ATACACACAC CAACAGTACA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               365        375        385        395        405        415
2a_SalI      AATAATAATC AAATTAGGAA TGTACCTAAA GAATTAAATC CTCGGGAATT TCTCTTCACA
2a_Thai      AATAATAATC AAATTAGGAA TGTACCTAAA GAATTAAATC CTCGGGAATT TCTCTTCACA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               425        435        445        455        465        475
2a_SalI      CCAAAGAATC AAATAAGCGC ATCTCTCATC CAAACTAACG GACCGGTGGC TCCAATGGAT
2a_Thai      CCAAAGAATC AAATAAGCGC ATCTCTCATC CAAACTAACG GACCGGTGGC TCCAATGGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               485        495        505        515        525        535
2a_SalI      ATACTACGTT ACCTAGATTT CTCAAACAGT TCAGGACAAA TTATTTCTAC AGTGTATCCG
2a_Thai      ATACTACGTT ACCTAGATTT CTCAAACAGT TCAGGACAAA TTATTTCTAC AGTGTATCCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               545        555        565        575        585        595
2a_SalI      TTCTATGTTC AGATGAATTA TTTTGCTGAA ATTAAATATT ACATAACATA TCATTACGAG
2a_Thai      TTCTATGTTC AGATGAGTTA TTTTGCTGAA ATTAAATATT ACATAACATA TCATTACGAG
Conservation ********** ******.*** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                605        615        625        635        645        655
2a_SalI      GCGAAAAAAA ATTATGATGA AGCATATAAT CAAAGCGTAA ATCCACTTAT GTCAAGTATA
2a_Thai      GCGAAAAAAA ATTATGATGA AGCATATAAT CAAAGCGTAA ATCCACTTAT GTCAAGTATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                665        675        685        695        705        715
2a_SalI      CAAAATCAAA TAAATTCTTG TGTACCGAAA AAAGCAGCAT TGGAAAAAAC AATATTCGTA
2a_Thai      CAAAATCAAA TAAATTCTTG TGTACCGAAA AAAGCAGCAT TGGAAAAAAC AATATTCGTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                725        735        745        755        765        775
2a_SalI      TTAGAATACC CAGAGAATCA CAATATAAAC CTAAGCAATT ACGAAGCAAA GCATAATGAG
2a_Thai      TTAGAATACC CAGAGAATCA CAATATAAAC CTAAGCAATT ACGAAGCAAA GCATAATGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                785        795        805        815        825        835
2a_SalI      TACAAGCAGC AATTAGATGC ATACAAAAAC TGTGTACAGG CAAATATGGA ATCATACACA
2a_Thai      TACAAGCAGC AATTAGATGC ATACAAAAAC TGTGTACAGG CAAATATGAA ATCATACACA
Conservation ********** ********** ********** ********** ********.* **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                845        855        865        875        885        895
2a_SalI      GATAGGATGT CAAAATTTAA TGAAAAAATC TATTCAATTT TAAATAGTGT GAAATGCACA
2a_Thai      GATAGGATGT CAAAATTTAA TGAAAAAATC TATTCAATTT TAAACAGTGT GAAATGCACA
Conservation ********** ********** ********** ********** **** ***** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                905        915        925        935        945        955
2a_SalI      GATGCATGTG AAACTGATAC GTACGAAATT ATGCTTGAAA TATATGTAGA AAGAGTAAAG
2a_Thai      GATGCATGTG AAACTGATAC GTACGAAATT ATGCTTGAAA TATATGTAGA AAGAGTAAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                965        975        985        995       1005       1015
2a_SalI      GAAGTTAATC ATAATAATTA TGTCAATTAT TTGAGTACTT TGAAAGCATC TCTCCAATTG
2a_Thai      GAAGTTAATC ATAATAATTA TGTCAATTAT TTGAGTACTT TGAAAGCATC TCTCCAATTG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1025       1035       1045       1055       1065       1075
2a_SalI      GGGGTTACCC TGATGCTCAA AGTAAAACAA GAAATAGACA ATAATGTCAC CATTAGTGCA
2a_Thai      GGGGTTACCC TGATGCTCAA AGTAAAACAA GAAATAGACA ATAATGTCAC CATTAGTGCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1085       1095       1105       1115       1125       1135
2a_SalI      ATAAATTTTT TACAAGAAGA AATGTTAGAT ATCATCACAA TAGGTGAAGC TCACACAGGT
2a_Thai      ATAAATTTTT TACAAGAAGA AATGTTAGAT ATCATCACAA TAGGTGAAGC TCACACAGGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1145       1155       1165       1175       1185       1195
2a_SalI      AAAATTATAC ATGGTAAGGA AAACGTACTA AAACTTCAAA ATAATAATAT TCCACCACAA
2a_Thai      AAAATTATAC ATGGTAAGGA AAACGTACTA AAACTTCAAA ATAATAATAT TCCACCACAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1205       1215       1225       1235       1245       1255
2a_SalI     GTCCCTTTAA GTACTCTTAA AAAATTATAT TTTGATTCCG CCAATTTCTA TGCCACTTAT
2a_Thai     GTCCCTTTAA GTACTCTTAA AAAATTATAT TTTGATTCCG CCAATTTCTA TGCCACTTAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1265       1275       1285       1295       1305       1315
2a_SalI     AAGTTTAGCT TAAAAAGAGC CGATACCACG ACAGCTGCGC TAAAGGAAAA AGGAAAATTA
2a_Thai     AAGTTTAGCT TAAAAAGAGC CGATACCACG ACAGCTGCGC TAAAGGAAAA AGGAAAATTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1325       1335       1345       1355       1365       1375
2a_SalI     CTTGCTAACC TTTATAATAA ATTGATAACA TATGTAAGCG AAAAAATAGA TAAAAATTTG
2a_Thai     CTTGCTAACC TTTATAATAA ATTGATAACA TATGTAAGCG AAAAAATAGA TAAAAATTTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1385       1395       1405       1415       1425       1435
2a_SalI     GATTCTTTAT ACTTCATTTC AAAAAGTGAA TCAATGATTT CCGAATTTGA AGATACCTTT
2a_Thai     GATTCTTTAT ACTTCATTTC AAAAAGTGAA TCAATGATTT CCGAATTTGA AGATACCTTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1445       1455       1465       1475       1485       1495
2a_SalI     AAAGCGGGAA CAGAAGCAAG CAAAGAAAAC TCCAGCATAA CAGCAGATTA CGCACGCTAT
2a_Thai     AAAGCGGGAA CAGAAGCAAG CAAAGAAAAC TCCAGCATAA CAGCAGATTA CGCACGCTAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1505       1515       1525       1535       1545       1555
2a_SalI     TCAAATTTGC AAATTATAGA TATCAAATCA AAGTACGATT ACAAAATAAC CGAGTTAAAG
2a_Thai     TCAAATTTGC AAATTATAGA TATCAAATCA AAGTACGATT ACAAAATAAC CGAGTTAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1565       1575       1585       1595       1605       1615
2a_SalI     AAATACTTAA ATCAATTAAA GGTACTCATT TCTCCTATGA AAGATTTATA TAATCTAAAT
2a_Thai     AAATACTTAA ATCAATTAAA GGTACTCATT TCTCCTATGA AAGATTTATA TAATCTAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1625       1635       1645       1655       1665       1675
2a_SalI     TCTCTACAAA AAGACCAAAG GGACAGTGTA AGAAGTATAC GCTCATCTGA TAGTAGTCCA
2a_Thai     TCTCTACAAA AAGACCAAAG GGACAGTGTA AGAAGTATAC GCTCATCTGA TAGTAGTCCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1685       1695       1705       1715       1725       1735
2a_SalI     CAAGAAAAGG TTAGCGCACT TTTAAACTTC TTATCAACAA TAAAGGAAGA GAATGGCACC
2a_Thai     CAAGAAAAGG TTAGCGCACT TTTAAACTTC TTATCAAAAA TAAAGGAAGA GAATGGCACC
Conservation ********** ********** ********** *******.** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1745       1755       1765       1775       1785       1795
2a_SalI     GTGTTGGAGA ATTTTAAAAA TATAGAAAGA TATTATGAAC AAGGCAAGCC ATTAAAAGGT
2a_Thai     GTGTTGGAGA ATTTTAAAAA TATAGAAAGA TATTATGAAC AAGGCAAGCC ATTAAAAGGT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1805       1815       1825       1835       1845       1855
2a_SalI     ACACTCGAGG GATTAATAAA AATGATCAAA ACCTACGAAC AAGATATAGT AAATTTAATT
2a_Thai     ACACTCGAGG GATTAATAAA AATGATCAAA ACCTACGAAC AAGATATAGT AAATTTAATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1865       1875       1885       1895       1905       1915
2a_SalI     GATAACGAAA AGCACAACAG ATCGTACAAA GATGACATAA AAAACAAAAT AATATATATA
2a_Thai     GATAACGAAA AGCACAACAG ATCGTACAAA GATGACATAA AAAACAAAAT AATATATATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1925       1935       1945       1955       1965       1975
2a_SalI     ACCGAAAAAA CAGATGCTAT AAAAGACATT ATCCCCTTAA ATGAGGAAGT AGACAATATC
2a_Thai     ACCGAAAAAA CAGATGCTAT AAAAGACATT ATCCCCTTAA ATGAGGAAGT AGACAATATC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1985       1995       2005       2015       2025       2035
2a_SalI     ATCAAACAAA TTGAGAAACT ATTCAATGAA GACCTATTCC ATGAAGGATT ACCAAATATG
2a_Thai     ATCAAACAAA TTGAGAAACT ATTCAATGAA GACCTATTCC ATGAAGGATT ACCAAATATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2045       2055       2065       2075       2085       2095
2a_SalI     GAAAAACTTA AAAAAGAGAA AGAAAAAATA AAAGCTACTA TAAAATCACT CAACACTAAT
2a_Thai     GAAAAACTTA AAAAAGAGAA AGAAAAAATA AAAGCTACTA TAAAATCGCT CAACACTAAT
Conservation ********** ********** ********** ********** *******.** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2105       2115       2125       2135       2145       2155
2a_SalI     TTCTACGACG GAGACTTAAA AGAATTAGTC GACGATATGT TAAATTTTGT CTACAAACAC
2a_Thai     TTCTACGACG GAGACTTAAA AGAATTAGTC GACGATATGT TAAATTTTGT CTACAAACAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2165       2175       2185       2195       2205       2215
2a_SalI     AGCGATTTCT ACAATCAAGC ATACGCTAAA GGAGATGTTG TAAATCTACA AAAGGAAGCA
2a_Thai     AGCGATTTCT ACGATCAAGC ATACGCTAAA GGAGATGTTG TAAATCTACA AAAGGAAGCA
Conservation ********** **.******* ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2225       2235       2245       2255       2265       2275
2a_SalI     GAACAAGAAT ATGAAAAAAT TACAAAACTA AAATCGAATA ACATTCCTCA AATGTTAAAA
2a_Thai     GAACAAGAAT ATGAAAAAAT TACAAAACTA AAATCGAATA ACATTCCTCA AATGTTAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2285       2295       2305       2315       2325       2335
2a_SalI     GATTTGAAAT CAGAATCGAA AAATCTTTCA GAGCTTAAAG ACACCATGAT GGATGAAATG
2a_Thai     GATTTGAAAT CAGAATCGAA AAATCTTTCA GAGCTTAAAG ACACCATGAT GGATGAAATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2345       2355       2365       2375       2385       2395
2a_SalI     TTGAACAATG TTCATCAAGA CATATCAAAC GTTTTCGAAC AGATAAGGAA CAAATATAAA
2a_Thai     TTGAACAATG TTCATCAAGA CATATCAAAC GTTTTCGAAC AGATAAGGAA CAAATATAAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2405       2415       2425       2435       2445       2455
2a_SalI     GACATAACAA CCTCGCTCAG TGCCTACAAA GAGGACAAAC AGAAATTCGA GAAATTTAAA
2a_Thai     GACATAACAA CCTCGCTCAG TGCCTACAAA GAGGACAAAC AGAAATTCGA GAAATTTAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2465       2475       2485       2495       2505       2515
2a_SalI     GTCGATATGA TACAGACGAA AAACGAACTC CTGGGGAGTC TTCAACAAAA TGATAAAAAA
2a_Thai     GTCGATATGA TACAGACGAA AAACGAACTC CTGGGGAGTC TTCAACAAAA TGATAAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2525       2535       2545       2555       2565       2575
2a_SalI     CTCTCAGAAG CAAATAATAT GTATGAAGAA TTCTTGGCGC ACATAGATAC TACTACCAAT
2a_Thai     CTCTCAGAAG CAAATAATAT GTATGAAGAA TTCTTGGCGC ACATAGATAC TACTACCAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2585       2595       2605       2615       2625       2635
2a_SalI     AGAGAAAAGC AAATGTATAA CCAAGCCAAC GCGTTAAAGG AAAATTTAGC AAATGTTCAA
2a_Thai     AGAGAAAAGC AAATGTATAA CCAAGCCAAC GCGTTAAAGG AAAATTTAGC AAATGTTCAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2645       2655       2665       2675       2685       2695
2a_SalI     AGTAAAATAT CATCGTACCA GGGAAAAATA GAAAAATTGA AAGCGCATAC TAGGAAAAAT
2a_Thai     AGTAAAATAT CATCGTACCA GGGAAAAATA GAAAAATTGA AAGCGCATAC TAGGAAAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2705       2715       2725       2735       2745       2755
2a_SalI     TATGAAAAAA TTAAGACATT ACTGCAAACT TTTGGCAATG AAAATATAAA CGCAAAACTG
2a_Thai     TATGAAAAAA TTAAGACATT ACTGCAAACT TTTGGCAATG AAAATATAAA CGCAAAACTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2765       2775       2785       2795       2805       2815
2a_SalI     GCAGAATACG AAAAAGAATT TAATGAAAAT AAGAGAGTAG TGAATACCAT CATAAACCAA
2a_Thai     GCAGAATACG AAAAAGAATT TAATGAAAAT AAGNAAGTAG TGAATACCAT CATAAACCAA
Conservation ********** ********** ********** *** .***** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2825       2835       2845       2855       2865       2875
2a_SalI     ATTCAAGAAT CAAACAAAAA TATAGAGAAT ATTAAAATAT TAAATAATTC TATCGACCGT
2a_Thai     ATTCAAGAAT CAAACAAAAA TATAGAGAAT ATTAAAATAT TAAATAATTC TATCGACCGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2885       2895       2905       2915       2925       2935
2a_SalI     TCTGAAGTGA ACAAACAGCT GATAGAAGAA TTGGCCACCA ATAAGCAACA ATTAAAGGAA
2a_Thai     TCTGAAGTGA ACAAACAGCT GATAGAAGAA TTGGCCACCA ATAAGCAACA ATTAAAGGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2945       2955       2965       2975       2985       2995
2a_SalI     AAAATAGATA GTCACATTAA GCAACTAAAC AGTTACAATA TCATTGCAAA AGATGATAAG
2a_Thai     AAAATAGATA GTCACATTAA GCAACTAAAC AGTTACAATA TCATTGCAAA AGATGATAAG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3005       3015       3025       3035       3045       3055
2a_SalI     CTAATTTTTG AGAAAAGGTT AAATGAGGAG AAGGCAAATA TTAACACGCA ACTAAGCGAC
2a_Thai     CTAATTTTTG AGAAAACGTT AAATGAGGAG AAGGCAAATA TTAACACGCA ACTAAGCGAC
Conservation ********** ****** *** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3065       3075       3085       3095       3105       3115
2a_SalI     ACGTCAATAG ATAATTTAAA AGCACAAATA CAAGAAACGC TAGATTATTA CAAAACAGCA
2a_Thai     ACGTCAATAG ATAATTTAAA AGCACAAATA CAAGAAACGC TAGATTATTA CAAAACAGCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3125       3135       3145       3155       3165       3175
2a_SalI     AAGGCAAACA CGAATGATAA AGATGGAACC CATTTAGAAA AATTAGATAA AAAAAAAATG
2a_Thai     AAGGCAAACA CGAATGATAA AGATGGAACC CATTTAGAAA AATTAGATAA AAAAAAAATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3185       3195       3205       3215       3225       3235
2a_SalI     GATTGGAAAG ACAGCAAAGT TAAAATAGAT AAATTAAGCA CCAGCTATCA AGTGCTAGAT
2a_Thai     GATTGGAAAG ACAGCAAAGT TAAAATAGAT NAATTAAGCC CCAGCTATCA AGTGCTAGAT
Conservation ********** ********** **********  ********. ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3245       3255       3265       3275       3285       3295
2a_SalI     AAAAAAATTA ATGATTTGAT TAAAAAGCAA CACGACGAAA TTGTAGCTCT CATTGATAAA
2a_Thai     AAAAAAATTA ATGATTTGAT TAAAAAGCAA CCCGACGAAA TTGTAGCTCT CATTGATAAA
Conservation ********** ********** ********** *.******** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3305       3315       3325       3335       3345       3355
2a_SalI     CTTATAACAG AAAAGGGCAA TGAAATAAGG GAGAAAACCG ACGAAAAAAT AAAGCACCTT
2a_Thai     CTTATAACAG AAAAGGGCAA TGAAATAAGG GAGAAAACCG ACGAAAAAAT AAAGCACCTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3365       3375       3385       3395       3405       3415
2a_SalI     AGCGAAATAA AAACAAAATT GTCCTCTTTC ACTGTCTCCG ATAATGTTAA GAATACCCAA
2a_Thai     AGCGAAATAA AAACAAAATT GTCCTCTTTC ACTGTCTCCG ATAATGTTAA GAATACCCAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3425       3435       3445       3455       3465       3475
2a_SalI     AATGTTGCAA TAAAAGGGGA AATAAGTGGA TTCGAAAAAA AAATGGAAGC CCTATTAAGA
2a_Thai     AATGTTGCAA TAAAAGGGGA AATAAGTGGA TTCGAAAAAA AAATGGAAGC CCTATTAAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3485       3495       3505       3515       3525       3535
2a_SalI     AGAATAGACA ATAATAACGC AAAATTAACT GAACTGAGAG GGAAGGCAGA CCAACATGTA
2a_Thai     AGAATAGACA ATAATAACGC AAAATTAACT GAACTGAGAG GGAAGGCAGA CCAACATGTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3545       3555       3565       3575       3585       3595
2a_SalI     ACCACCCTAC GTGGGGAAAA AAATAAAACA GCTGAATTCA ATGCGAAAAA AGATAGCCTG
2a_Thai     ACCACCCTAC GTGGGGAAAA AAATAAAACA GCTGAATTCA ATGCGAAAAA AGATAGCCTG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3605       3615       3625       3635       3645       3655
2a_SalI     GAAAAAATAC ACCAACAAAT GGAAAATACG CATAAAGAAT TGGAGAGCAT GGAAAATGAA
2a_Thai     GAAAAAATAC ACCAACAAAT GGAAAATACG CATAAAGAAT TGGAGAGCAT GGAAAATGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3665       3675       3685       3695       3705       3715
2a_SalI     AAAATTCCCA TAAACGACAT TAACCAAATG GAAATAGAAT ATGCACGAAT TTTAATTCAT
2a_Thai     AAAATTCCCA TAAACGACAT TAACCAAATG GAAATAGAAT ATGCACGAAT TTTAATTCAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3725       3735       3745       3755       3765       3775
2a_SalI     CATATGGTTC AACAAATTGG TGAAAAAAAG GAAAGGTCTA AAATCATCTT AGAAGAGATT
2a_Thai     CATATGGTTC AACAAATTGG TGAAAAAAAG GAAAGGTCTA AAATCATCTT AGAAGAGATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3785       3795       3805       3815       3825       3835
2a_SalI     AAAACAACTA TAGCAAGCAT CGATCAAGCA AAGAAAAATA TACCTCCTGA GCAACAAGAT
2a_Thai     AAAACAACTA TAGCAAGCAT CGATCAAGCA AAGAAAAATA TACCTCCTGA GCAACAAGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3845       3855       3865       3875       3885       3895
2a_SalI     ATCCTTCGCG AATTCGAGTA TAGCGGATAT CGCGACAAAG CTACTGCCAG TAGTACCGAA
2a_Thai     ATCCTTCGCG AATTCGAGTA TAGCGGATAT CGCGACAAAG CTACTGCCAG TAGTACCGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3905       3915       3925       3935       3945       3955
2a_SalI     ATAGAACAAA TTGATAAAAG TGCAAAAGCA GAGGAGGGTA AAGCCAACAG TAGCACCAAC
2a_Thai     ATAGAACAAA TTGATAAAAG TGCAAAAGCA GAGGAGGGTA AAGCCAACAG TAGCACCAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3965       3975       3985       3995       4005       4015
2a_SalI     TTAAGCGACA TTGATGTGAT TAAAAAACAG GTACTGTCCT ACTTCAGAAA AGCCACCACT
2a_Thai     TTAAGCGACA TTGATGTGAT TAAAAAACAG GTACTGTCCT ACTTCAGAAA AGCCACCACT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4025       4035       4045       4055       4065       4075
2a_SalI     GAAAGTAACA CCATGGAAAA TGCGTTAAGA GAAATTAAAA ATGTGAACAC TTTCTTAACA
2a_Thai     GAAAGTAACA CCATGGAAAA TGCGTTAAGA GAAATTAAAA ATGTGAACAC TTTCTTAACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4085       4095       4105       4115       4125       4135
2a_SalI     TCAAACATTT CAGAAGAAAT TTTAGCTAAC ATACTAAAGA GTGCAGCGAG GACCCAAGAA
2a_Thai     TCAAACATTT CAGAAGAAAT TTTAGCTAAC ATACTAAAGA GTGCAGCGAG GACCCAAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4145       4155       4165       4175       4185       4195
2a_SalI     TTAAATCAAC AAGCGGTAGG CGAATTTAAC AAAACAGATC GTCTAATTAA AGAAGTAGAA
2a_Thai     TTAAATCAAC AAGCGGTAGG CGAATTTAAC AAAACAGATC GTCTAATTAA AGAAGTAGAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4205       4215       4225       4235       4245       4255
2a_SalI      GCGAAGCTAT CCCAGGCAAA CGAACATAAA TCAGCAATTT CAGGAAGTGT AGAATACAAA
2a_Thai      GCGAAGCTAT CCCAGGCAAA CGAACATAAA TCAGCAATTT CAGGAAGTGT AGAATACAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4265       4275       4285       4295       4305       4315
2a_SalI      CAAATCGAAC AGAAAATAAA CCTAATTAAA CAAATTCAGA AAGAAATTAC GGCGGGGAAA
2a_Thai      CAAATCGAAC AGAAAATAAA CCTAATTAAA CAAATTCAGA AAGAAATTAC GGCGGGGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4325       4335       4345       4355       4365       4375
2a_SalI      GAAGAAATAA ACAACTGTTT AAGTAATACC AAAGAATATA AAGAAAAATG CGAGTCTGAA
2a_Thai      GAAGAAATAA ACAACTGTTT AAGTAATACC AAAGAATATA AAGAAAAATG CGAGTCTGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4385       4395       4405       4415       4425       4435
2a_SalI      GTGAATTCAG TAAATAGAGG AAAAGCTAAA GTAGATTTTC TGCAAAAAAG GGAAGCGCTA
2a_Thai      GTGAATTCAG TAAATAGAGG AAAAGCTAAA GTAGATTTTC TGCAAAAAAG GGAAGCGCTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4445       4455       4465       4475       4485       4495
2a_SalI      GAAAAAAAAA TGAGTCAAGA AAATTTGGGT AAAATTACAG ATAGCATTGA TCAATGCAAA
2a_Thai      GAAAAAAAAA TGAGTCAAGA AAATTTGGGT AAAATTACAG ATAGCATTGA TCAATGCAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4505       4515       4525       4535       4545       4555
2a_SalI      AAAGATTTAG CAGACATTAC TAGTTTAGAA GTAAAGGTTA AAGCTAATTA CGATTCAATC
2a_Thai      AAAGATTTAG CAGACATTAC TAGTTTAGAA GTAAAGGTTA AAGCTAATTA CGATTCAATC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4565       4575       4585       4595       4605       4615
2a_SalI      ATTAAGTATG AAGAATCCAT TAATACCATT TTAAATTATT CCTCCATTTT AGAATACAAA
2a_Thai      ATTAAGTATG AAGAATCCAT TAATACCATT TTAAATTATT CCTCCATTTT AGAATACAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4625       4635       4645       4655       4665       4675
2a_SalI      ACCAAATTGG AAATACGCAA AAAAGAAAAA ACAGACCTCA TGACTTATAT TAACACAGAA
2a_Thai      ACCAAATTGG AAATACGCAA AAAAGAAAAA ACAGACCTCA TGACTTATAT TAACACAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4685       4695       4705       4715       4725       4735
2a_SalI      AATTCTGCCA TTCAGGAGAA GCTGCTAAAC TTGCAAAAAA AATTGAACCA ATTGAATGAA
2a_Thai      AATTCTGCCA TTCAGGAGAA GCTGCTAAAC TTGCAAAAAA AATTGAACCA ATTGAATGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4745       4755       4765       4775       4785       4795
2a_SalI      AACACGGACT ATACTAAAGT GGGAAACGAT CTCAACAACG CAAAGTCTAC AAAAGCAAAT
2a_Thai      AACACGGACT ATACTAAAGT GGGAAACGAT CTCAACAACG CAAAGTCTAC AAAAGCAAAT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4805       4815       4825       4835       4845       4855
2a_SalI      GTAACTATCC AGTATAACTT AGGACGAGTC AAACATCAAC TGGAAAATTT AAGTGTCATC
2a_Thai      GTAATTATCC AGTATAACTT AGGACGAGTC AAACATCAAC TGGAAAATGT AAGTGTCATC
Conservation **** ***** ********** ********** ********** ******** * **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4865       4875       4885       4895       4905       4915
2a_SalI      AAACAGGAGC TAGAAAAAGT CCTAAGTGCA GCTACCGATT TAGAGAGGGA CATCTCAAAA
2a_Thai      AAACAGGAGC TAGAAAAAGT CCTAAGTGCA GCTACCGATT TAGAGAGGGA CATCTCAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4925       4935       4945       4955       4965       4975
2a_SalI      ATAGCCGACG TCACAGAATC TAATAACTTG GAGAGCCTAA ATGGGAAGGA AGCAGATTAC
2a_Thai      ATAGCCGACG TCACAGAATC TAATAACTTG GAGAGCCTAA ATGGGAAGGA AGCAGATTAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4985       4995       5005       5015       5025       5035
2a_SalI      ACGAAACGTA TAAGAAGTTT TAACAAATTG AAGCAGCTCG TGCAAGAGAA AGCAGCAAAA
2a_Thai      ACGAAACGTA TAAGAAGTTT TAACAAATTG AAGCAGCTCG TGCAAGAGAA AGCAGCAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5045       5055       5065       5075       5085       5095
2a_SalI      GTAGAAGAAA TTTCCTCCGA TACGGATAAC ATAGAAAAAG AACTGACAGA ACATAAAATA
2a_Thai      GTAGAAGAAA TTTCCTCCGA TACGGATAAC ATAGAAAAAG AACTGACAGA ACATAAAATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5105       5115       5125       5135       5145       5155
2a_SalI      ATTTTTGAAG TGGGACTTAC CGAAAGGTTA ATCGAAATAG TTAAAAATAG AAAATCATAC
2a_Thai      ATTTTTGAAG TGGGACTTAC CGAAAGGTTA ATCGAAATAG TTAAAAATAG AAAATCATAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5165       5175       5185       5195       5205       5215
2a_SalI      GTAGACACAA CAAAGGAATT GCTAAATTCA TCATTAAACA ATTTTGCTTC CCTCTTTAAT
2a_Thai      GTAGACACAA CAAAGGAATT GCTAAATTCA TCATTAAACA ATTTTGCTTC CCTCTTTAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5225       5235       5245       5255       5265       5275
2a_SalI      GGATTGGACT TAAATGGATA CAATCCAAAA GCAAACCTAG AAATGTACAC ACAAAAACTG
2a_Thai      GGATTGGACT TAAAAGGATA CAATCCAAAA GCAAACCTAG AAATGTACAC ACAAAAACTG
Conservation ********** ****.***** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5285       5295       5305       5315       5325       5335
2a_SalI      AACACAATAC ATAACGAATT TATGGCATCT CACAAAATAT TTGATGAAAA ATCAAAGAAG
2a_Thai      AACACAATAC ATAACGAATT TATGGCATCT CACAAAATAT TTGATGAAAA ATCAAAGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5345       5355       5365       5375       5385       5395
2a_SalI      GTCTTAGACA AAGATGTGAA CTTCACGGAA GCTAAAACAC TCAGGGAGGA GGCGCAAAAA
2a_Thai      GTCTTAGACA AAGATGTGAA CTTCACGGAA GCTAAAACAC TCAGGGAGGA GGCGCAAAAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5405       5415       5425       5435       5445       5455
2a_SalI     GAAGATGTTA CTCTTAAAAA TAAAGAGGAA GAAGCAAAAT CGTACTTGAG TGATATCAAA
2a_Thai     GAAGATGTTA CTCTTAAAAA TAAAGAGGAA GAAGCAAAAT CGTACTTGAG TGATATCAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5465       5475       5485       5495       5505       5515
2a_SalI     AAAAAAGAAT CTTTCGAATT TATACTTCAC ATGAAGGAAA AATTAAACCA AATTAGTAAA
2a_Thai     AAAAAAGAAT CTTTCGAATT TATACTTCAC ATGAAGGAAA AATTAAACCA AATTAGTAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5525       5535       5545       5555       5565       5575
2a_SalI     ATGTGTGAAC AGCAATATGA ACAAGCTGAT AAAGGCTATA GTGAAGTCAA AACAAGCATT
2a_Thai     ATGTGTGAAC AGCAATATGA ACAAGCTGAT AAAGGCTATA GTGAAGTCAA AACAAGCATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5585       5595       5605       5615       5625       5635
2a_SalI     GATCGCATTG CAAATTTAAA TGATGAAAAT AGTATAGCGG ATGTACTCAA AGAAGCAAAC
2a_Thai     GATCGCATTG CAAATTTAAA TGATGAAAAT AGTATAGCGG ATGTACTCAA AGAAGCAAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5645       5655       5665       5675       5685       5695
2a_SalI     GATAAAAATG AGCAAGTACA AAATCTGACA CATTATACAT ATAAAAATGA AGCACAAAAT
2a_Thai     GATAAAAATG AGCAAGTACA AAATCTGACA CATTATACAT ATAAAAATGA AGCACAAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5705       5715       5725       5735       5745       5755
2a_SalI     GTGCTAAGGC ATATGGCAAA GTCGGCAAAT TTTATAGGCA TTAACCTAGT AACAGGAATA
2a_Thai     GTGCTAAGGC ATATGGCAAA GTCGGCAAAT TTTATAGGCA TTAACCTAGT AACAGGAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5765       5775       5785       5795       5805       5815
2a_SalI     CAACCGACGG AATTATCATC ACAAGCAAGC GAATCGACAA CGCCAGAGTT AAAATTTGAA
2a_Thai     CAACCGACGG AATTATCATC ACAAGCAAGC GAATCGACAA CGCCAGAGTT AAAATTTGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5825       5835       5845       5855       5865       5875
2a_SalI     TCAGAAGGGG AAATGAAATT GGAAATTCTA ACATTATCAG GAAATACTAC AAAATTGGAC
2a_Thai     TCAGAAGGGG AAATGAAATT GGAAATTCTA ACATTATCAG GAAATACTAC AAAATTGGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5885       5895       5905       5915       5925       5935
2a_SalI     TATTATAAAA ATATGAAAGA CGCCTACCAG AGCGTCCTTT CCATATTTAA ATACTCTCAT
2a_Thai     TATTATAAAA ATATGAAAGA CGCCTACCAG AGCGTCCTTT CCATATTTAA ATACTCTCAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5945       5955       5965       5975       5985       5995
2a_SalI     GGTATAGACG AAAAACAAAG AGAAAGCCAA AAAATAACCG AAAGTGCAAA TGGCTCATAT
2a_Thai     GGTATAGACG AAAAACAAAG AGAAAGCCAA AAAATAACCG AAAGTGCAAA TGGCTCATAT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6005       6015       6025       6035       6045       6055
2a_SalI     CTTAATAATA AGGAAATAAA TGAATTCAAA GGAAGACTGA ACAATGTGAA GAGTAAACAA
2a_Thai     CTTAATAATA AGGAAATAAA TGAATTCAAA GGAAGACTGA ACAATGTGAA GAGTAAACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6065       6075       6085       6095       6105       6115
2a_SalI     ACAGCCATTT CAAACAAAAT TGATAACGCT ACTACGCTGC TGCACAATTT GAACAAAATT
2a_Thai     ACAGCCATTT CAAACAAAAT TGATAACGCT ACTACGCTGC TGCACAATTT GAACAAAATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6125       6135       6145       6155       6165       6175
2a_SalI     AAAACGGATG ATAAGAATTA CGACACAATT TTAGAAAAAG ACGCTTCTGA AGAATTGAAG
2a_Thai     AAAACGGATG ATAAGAATTA CGACACAATT TTAGAAAAAG ACGCTTCTGA AGAATTGAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6185       6195       6205       6215       6225       6235
2a_SalI     AGGCGACGTG ATTCATTTAA TCAAGAAATG AAAAACACCG TCGATGGCTT AAAATTGAAG
2a_Thai     AGGCGACGTG ATTCATTTAA TCAAGAAATA AAAAACACCG TCGATGGCTT AAAATTGAAG
Conservation ********** ********** *********. ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6245       6255       6265       6275       6285       6295
2a_SalI     GAAATCCAAG AAAAGTTTAA TGAGCAAGTA AAACTCCTAC AAAATTTAGA AACAAAAGTG
2a_Thai     GAAATCCAAG AAAAGTTTAA TGAGCAAGTA AAACTCCTAC AAAATTTAGA AACAAAAGTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6305       6315       6325       6335       6345       6355
2a_SalI     AGCACACTAA ATGTGCATGA GGGAAACGCT ACCGAAACTG TGAAAAAAGA AAACACTGCC
2a_Thai     AGCACACTAA ATGTGCATGA GGGAAACGCT ACCGAAACTG TGAAAAAAGA AAACACTGCC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6365       6375       6385       6395       6405       6415
2a_SalI     GTTGATGCAA TTCAAGCCGC AATGGAAGGC ATAGAAAAAG ATGTCGAATA TATCAACTAC
2a_Thai     GTTGATGCAA TTCAAGCCGC AATGGAAGGC ATAGAAAAAG ATGTCGAATA TATCAACTAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6425       6435       6445       6455       6465       6475
2a_SalI     TCATATGATG AACTATTAAA GAAAGGACAA AAAATTGAAA ATCAGAGATA CACATCCATA
2a_Thai     TCATATGATG AACTATTAAA GAAAGGACAA AAAATTGAAA ATCAGAGATA CACATCCATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6485       6495       6505       6515       6525       6535
2a_SalI     AGGGAAAACC TCACCAATAA AATAGCGAAT GACTCCTCAG CAATCAACAA AATAAAGAAA
2a_Thai     AGGGAAAACC TCACCAATAA AATAGCGAAT GACTCCTCAG CAATCAACAA AATAAAGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6545       6555       6565       6575       6585       6595
2a_SalI     AAAGCTCAAC AGTATTTAGC ATACATTAAG AATAACTACA ACTCTATTTA TAATGATACT
2a_Thai     AAAGCTCAAG AGTATTTAGC ATACATTAAG AATAACTACA ACTCTATTTA TAATGATACT
Conservation *********. ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6605       6615       6625       6635       6645       6655
2a_SalI     GGCACTTTAA ATGAATACTT CGACACCAAA CGGTTAAGTA ACCACGATTT AACAAATGTT
2a_Thai     GGCACTTTAA ATGAATACTT CGACACCAAA CGGTTAAGTA ACCACGATTT AACAAATGTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6665       6675       6685       6695       6705       6715
2a_SalI     CAGGAAGCGA CCAGATTACA CATTGAAATG TCCGCAGCCG TTGAAGCATC AGAAGAGATA
2a_Thai     CAGGAAGCGA CCAGATTACA CATTGAAATG TCCGCAGCCG TTGAAGCATC AGAAGAGATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6725       6735       6745       6755       6765       6775
2a_SalI     ATTGCAGATA TGAAAAATGA ATTCATAACG AACACAGAAG CGGATATAAG CGCTTTACAA
2a_Thai     ATTGCAGATA TGAAAAATGA ATTCATAACG AACACAGAAG CGGATATAAG CGCTTTACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6785       6795       6805       6815       6825       6835
2a_SalI     AATAGCGCAG ACAGATTAAA GTCGCTTTAT AGTAATCTAA AACGCAAACA AATTAGTATA
2a_Thai     AATAGCGCAG ACAGATTAAN GTCGCTTTAT AGTAATCTAA AACGCAAACA AATTAGTATA
Conservation ********** *********  ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6845       6855       6865       6875       6885       6895
2a_SalI     AACCAAATTT ACAAAAAGAT TAACTTAATT AAGTTGCAAG AAATTAAAAC AAGCGCTAAC
2a_Thai     AACCAAATTT ACAAAAAGAT TAACTTAATT AAGTTGCAAG AAATTAAAAC AAGCGCTAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6905       6915       6925       6935       6945       6955
2a_SalI     AAATATATGG ACATAGCCAA ACTGTTTAAC AATGTGCTAG AGGCCCAACA TAAAGAATTG
2a_Thai     AAATATATGG ACATAGCCAA ACTGTTTAAC AATGTGCTAG AGGCCCAACA TAAAGAATTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6965       6975       6985       6995       7005       7015
2a_SalI     GCACAAGATA GAAGTAAAAT ATTGCAAGCT AAGGAAAACT CCATTAATAT GCAGCAACTG
2a_Thai     GCACAAGATA TAAGTAAAAT ATTGCAAGCT AAGGAAAACT CCATTAATAT GCAGCAACTG
Conservation ********** .********* ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7025       7035       7045       7055       7065       7075
2a_SalI     TTAGAATCTC ACATTGATAA ACTTCGAGCC TTGATAACCA ATATTGATAA AGAACTGATA
2a_Thai     TTAGAATCTC ACATTGATAA ACTTCGAGCC TTGATAACCA ATATTGATAA AGAACTGATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7085       7095       7105       7115       7125       7135
2a_SalI     GAATTAACAA ATGGTAAAAT TAAAGAATCA AATCGACGTA TTAGTCAAAT TTCCCCAATG
2a_Thai     GAATTAACAA ATGGTAAAAT TAAAGCATCA AATCGACGTA TTAGTCAAAT TTCCCCAATG
Conservation ********** ********** *****.**** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7145       7155       7165       7175       7185       7195
2a_SalI     GGGCAAGGCA AATTGTTCAG CACCCCAGAA GGACAAGCTT ATAATAATTT ACACAACACA
2a_Thai     GGGCAAGGCA AATTGTTCAG CACCCCAGAA GGACAAGCTT ATAATAATTT ACACAACACA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7205       7215       7225       7235       7245       7255
2a_SalI     GGATATAACC ATTATGGAAG TGGAAACCAT TCAAGAGGAA GAAATGAAAA TGGAAATGTC
2a_Thai     GGATATAACC ATTATGGAAG TGGAAACCAT TCAAGAGGAA GAAATGAAAA TGGAAATGTC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7265       7275       7285       7295       7305       7315
2a_SalI     CGTTTTGCAG CAGGGATTGT TGTGGGATTT GGTGTTTGTT CCTTTTTTGC TTCGGCATTG
2a_Thai     CGTTTTGCAG CAGGGATTGT TGTGGGATTT GGTGTTTGTT CCTTTTTTGC TTCGGCATTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7325       7335       7345       7355       7365       7375
2a_SalI     TTTAAAGGCA AAGGGGAAAA CGAAACATAT GGAAGAGATC TAAATTCACG TGATGAAGAA
2a_Thai     TTTAAAGGCA AAGGGGAAAA CGAAACATAT GGAAGAGATC TAAATTCACG TGATGAAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7385       7395       7405       7415       7425       7435
2a_SalI     TTTGAAGGCA AAAACAATGG AAATCTTCAA GATAAGGAAG AAATTATTGA AGTGTCCTTT
2a_Thai     TTTGAAGCCA AAAACAATGG AAATCTTCAA GATAAGGAAG AAATTATTGA AGTGTCCTTT
Conservation ******* ** ********** ********** ********** ********** **********

            ....|....| ....|....| ....
               7445       7455
2a_SalI     CACGAAAGTG AAAATGTGTA TTAA
2a_Thai     CACGAAAGTG AAAATGCGTA TTAA
Conservation ********** ****** *** ****
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Alignment: Pvrbp2b

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
2b_SalI      ATGGAAATAA ACGCGCTTTG GACGATTTTG TGCAATCTTC TATTGGTCCT TTTAGCGTCA
2b_Thai      ATGGAAATAA ACGCGCTTTG GACGATTTTG TGCAATCTTC TATTTGTCCT TTTAGCGTCA
Conservation ********** ********** ********** ********** **** ***** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 65         75         85         95        105        115
2b_SalI      AGTAGAGATG TCAACAGGAG TAAACCGAAC AGATTTAAAA AGGAACTCAC GTTATCACCC
2b_Thai      AGTAGAGATG TCAACAGGAG TAAACCGAAC AGATTTAAAA AGGAACTCAC GTTATCACCC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                125        135        145        155        165        175
2b_SalI      ATATATCAAA ATTTAATTCG AAGCAGTCAA GTACAACATG ATAAAAACTA TGAAGTTGAT
2b_Thai      ATATATCAAA ATTTAATTCG AAGCAGTCAA GTACAACATG ATAAAAACTA TGAAGTTGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                185        195        205        215        225        235
2b_SalI      GATGGCAAAA TTAACGATGG AGGTGACGAA AAAGCGCATT CCCCTGATAG CTCATTCTCG
2b_Thai      GATGGCAAAA TTAACGATGG AGGTGACGAA AAAGCGCATT CCCCTGATAG CTCATTCTCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                245        255        265        275        285        295
2b_SalI      GGGGATTCAG AAAGGTATAG CGCTAAAGGA AAACCATCGT ACTATTCTTA CATAAAAAGA
2b_Thai      GGGGATTCAG AAAGGTATAG CGCTAAAGGA AAACCATCGT ACTATTCTTA CATAAAAAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                305        315        325        335        345        355
2b_SalI      GGGGACATAT ATACACACAG TTCAAACACA AATAAAAGCT TAAATGATAG TAACAAGTTG
2b_Thai      GGGGACATAT ATACACACAG TTCAAACACA AATAAAAGCT TAAATGATAG TAACAAGTTG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                365        375        385        395        405        415
2b_SalI      AATAGGAATA CGATTCCAAA CGAATTTATT CAAACTAGTA ATAAGGAAAA ACCTGAGAAG
2b_Thai      AATAGGAATA CGATTCCAAA CGAATTTATT CAAACTAGTA ATAAGAAAAA ACCTGAGAAG
Conservation ********** ********** ********** ********** *****.**** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                425        435        445        455        465        475
2b_SalI      AAAACTACCA AAAGTGAACC AGCTCCAAAA AACGGTCAAA CGTCTCCTTC ACCAAAAGAG
2b_Thai      AAAACTACCA AAAGTGAACC AGCTCCAAAA AACGGTCAAA CGTCTCCTTC ACCAAAAGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                485        495        505        515        525        535
2b_SalI      CCTTCCCCCG AATCTACACA AATTACCAAT ACAACTGATA ACATAGACTA CTTCGACATT
2b_Thai      CCTTCCCCCG AATCTACACA AATTACCAAT ACAACTGATA ACATAGACTA CTTCGACATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                545        555        565        575        585        595
2b_SalI      TCAGATGAGA GCAATTACTA TTTAATTTCC CAGTTAAGAC CACATTTTTC TAATATATAC
2b_Thai      TCAGATGAGA GCAATTACTA TTTAATTTCC CAGTTAAGAC CACATTTTTC TAATATATAC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               605        615        625        635        645        655
2b_SalI     TTTTTCGATG AATTTAAACG TTACGCATCA TATCACACAG AAATCAAACG TTATGAGGAC
2b_Thai     TTTTTCGATG AATTTAAACG TTACGCATCA TATCACACAG AAATCAAACG TTATGAGGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               665        675        685        695        705        715
2b_SalI     ATACATAAGA CAAAAGTTAA TTCCCTTTTG AACGAAGCAT CCAGAGCAAT CGGCATTTGT
2b_Thai     ATACATAAGA AAAAAGTTAA TTCCCTTTTG AACGAAGCAT CCAGAGCAAT CGGCATTTGT
Conservation ********** .********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               725        735        745        755        765        775
2b_SalI     AACAGGGCAA AAAATACAGT GAAGGGGTTA ATAAATATTT TAGAGAATCC CCAAAAGTTT
2b_Thai     AACAGGGCAA AAAATACAGT GAAGGGGTTA ATAAATATTT TAGAGAATCC CCAAAAGTTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               785        795        805        815        825        835
2b_SalI     AAAACGCAAA GAGAATCATA TGATGTAAAA CTTCGCCAAT ATGAAGAAAA AAAGGAAGCA
2b_Thai     AAAACGCAAA GAGAATCATA TGATGTAAAA CTTCGCCAAT ATGAAGAAAA AAAGGAAGCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               845        855        865        875        885        895
2b_SalI     TTTAGGGGAT GCTTACTAAA TAAAAATCGG AAGAATTTGG ATCAAATAAA AAAAATAAAT
2b_Thai     TTTAGGGGAT GCTTACTAAA TAAAAATCGG AAGAATTTGG ATCAAATAAA AAAAATAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               905        915        925        935        945        955
2b_SalI     AACGAAATTC GTGATCTGCT AGAAAAACTG AAATGCTCAC AGGACTGTCA AACTAATGTA
2b_Thai     AACGAAATTC GTGATCTGCT AGAACAACTG AAATGCTCAC AGTACTGTCA AACTAATGTA
Conservation ********** ********** ****.***** ********** ** ******* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               965        975        985        995       1005       1015
2b_SalI     TATTTTGACA TGATTAAAAT ATACTTGGTA GATTTTAAAA AAATGCCTTA CGAAAATTAT
2b_Thai     TATTTTGACA TGATTAAAAT ATACTTGGTA GATTTTAAAA AAATGCCTTA CGAAAATTAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1025       1035       1045       1055       1065       1075
2b_SalI     GACACTTTTA TAAAACAGTA TAAAAATTCT TACCTTTCTG GTGTTGATAT GATAAGGAAA
2b_Thai     GACACTTTTA TAAAACAGTA TAAAAATTCT TACCTTTCTG GTGTTGATAT GATAAGGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1085       1095       1105       1115       1125       1135
2b_SalI     ATTGAAAAAC AAATAGACAA CCCAGTTACC ATAAATGCGA TAAAATTCAC TCAAAAGGAG
2b_Thai     ATTGAAAAAC AAATAGACAA CCCAGTTACC ATAAATGCGA TAAAATTCAC TCAAAAGGAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1145       1155       1165       1175       1185       1195
2b_SalI     ATGGGATACA TTATAGACAG ATTTGAATAT CACCTGCAAA AAGTGAAACA TTCCATTGAT
2b_Thai     ATGGGATACA TTATAGACAG ATTTGAATAT CACCTGCAAA AAGTGAAACA TTCCATTGAT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1205       1215       1225       1235       1245       1255
2b_SalI     CAAGTGACAG CATTGTCCGA CGGGGTTAAA CCAAAACAGG TCACTAAAAA TCGTCTTAAA
2b_Thai     CAAGTGACAG CATTGTCCGA CGGGGTTAAA CCAAAACAGG TCACTAAAAA TCGTCTTAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1265       1275       1285       1295       1305       1315
2b_SalI     GAGTACTACT TTAATATAGG TAACTACTAC TCCATTTTTA AATTCGGCAA AGATAGTCTC
2b_Thai     GAGTACTACT TTAATATAGG TAACTACTAC TCCATTTTTA AATTCGGCAA AGATAGTCTC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1325       1335       1345       1355       1365       1375
2b_SalI     AATATGTTGA ATAAAGCATT AATACATAAA GAAAAAATAG TCCACAACTT ACTTGGTGAA
2b_Thai     AATATGTTGA ATAAAGCATT AATACATAAA GAAAAAATAG TCCACAACTT ACTTGGTGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1385       1395       1405       1415       1425       1435
2b_SalI     TTATTTGGCC ATTTAGAAGA GAGAATATCT AAACTTATAG ATTCAGAGTA CTTCATAACA
2b_Thai     TTATTTGGCC ATTTAGAAGA GAGAATATCT AAACTTATAG ATTCAGAGTA CTTCATAACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1445       1455       1465       1475       1485       1495
2b_SalI     GAAAGTAATA ACATCATTTC ACAATCCGAA GAAACTTTAA AACTTGCGGA AGACGTATAT
2b_Thai     GAAAGTAATA ACATCATTTC ACAATCCGAA GAAACTTTAA AACTTGCGAA AGACGTATAT
Conservation ********** ********** ********** ********** ********.* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1505       1515       1525       1535       1545       1555
2b_SalI     GATAAAAACA CCAAACTGAT AGAGGACCTT ACACTGTATC CACACTTAGA AATTAACGAA
2b_Thai     GATAAAAACA CCAAACTGAT AGAGGACCTT ACACTGTATC CACACTTAGA AATTAACGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1565       1575       1585       1595       1605       1615
2b_SalI     TTCAAAAAAG ACTACGACAA CAATGTGGAA GATTTGAGAG AATCTATCAT CTACATACAA
2b_Thai     TTCAAAAAAG ACTACGACAA CAATGTGGAA GATTTGAGAG AATCTATCAT CTACATACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1625       1635       1645       1655       1665       1675
2b_SalI     TCATACGTCT CATCTATTAA AAGTGCGTAT AGATATAATG TGTTAGAAAA GGACTCTGTA
2b_Thai     TCATACGTCT CATCTATTAA AAGTGCGTAT AGATATAATG TGTTAGAAAA GGACTCTGTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1685       1695       1705       1715       1725       1735
2b_SalI     GAAAGTAAAC AAAAGAACAT ACCAGCTAAC AGTAATGCCC AGAAGAAAGT CGATGAGCTG
2b_Thai     GAAAGTAAAC GAAAGAACAT ACCAGCTAAC AGTAATGCCC AGGAGAAAGT CGATGAGCTG
Conservation ********** .********* ********** ********** **.******* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1745       1755       1765       1775       1785       1795
2b_SalI     TTGAGCATTA TAGATAGCAT AAGTTATAGC AATTTTTCCG TAGCCGAGAA TTTTCAAAAA
2b_Thai     TTGAGCATTA TAGATAGCAT AAGTTATAGC AATTTTTCCG TAGCCGAGAA TTTTCAAAAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1805       1815       1825       1835       1845       1855
2b_SalI     ATGAAAGATT ACTATAAAGA AATCGAAAAA TTAAAAATCA AAATACTGCA ATTAATAGAA
2b_Thai     ATGAAAGATT ACTATAAAGA AATCGAAAAA TTAAAAATCA AAATACTGCA ATTAATAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1865       1875       1885       1895       1905       1915
2b_SalI     GCCATTAAAA AATACCAACA ACATGTGGAA GAATTAATCA ACAAGGAAAA AGCAGTTGCG
2b_Thai     GCCATTAAAA AATACCAACA ACATGTGGAA GAATTAATCA ACAAGGAAAA AGCAGTTGCG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1925       1935       1945       1955       1965       1975
2b_SalI     ATTCTCAAAG AAGATATAAA TAAAATAATA GAATATATAA AAGGAATAAT AGAAAAATTG
2b_Thai     ATTCTCAAAG AAGATATAAA TAAAATAATA GAATATATAA AAGGAATAAT AGAAAAATTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1985       1995       2005       2015       2025       2035
2b_SalI     AAACAACTAA TTTCTGCGAA TAAAGATTTT GATAAAATTT TCCAGCAAGT TGAACAATTA
2b_Thai     AAACAACTAA TTTCTGCGAA TAAAGATTTT GATAAAATTT TCCAGCAAGT TGAACAATTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2045       2055       2065       2075       2085       2095
2b_SalI     ATTAACGAAG CGCTTTTTAA CAAAGACCAA TTTGAACATA ATAAAAATGA CTTACACACC
2b_Thai     ATTAACGAAG CGCTTTTTAA CAAAGACCAA TTTGAACATA ATAAAAATGA CTTACACACC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2105       2115       2125       2135       2145       2155
2b_SalI     AAAATGAAAG AAATAATGCA TACATTTCAC GAGCGTGATT TACAACAATT TTTGGACAAT
2b_Thai     AAAATGAAAG AAATAATGCA TACATTTCAC GAGCGTGATT TACAACAATT TTTGGACAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2165       2175       2185       2195       2205       2215
2b_SalI     ATGTCGAAAT TTTTAAAGGA CCAAGAAGCT TCCTACCAAA ATGCAGACAG TAAGGAAAAG
2b_Thai     ATGTCGAAAT TTTTAAAGGA CCAAGAAGCT TCCTACCAAA ATGCAGACAG TAAGGAAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2225       2235       2245       2255       2265       2275
2b_SalI     CTTGACCAAC TGCTAACAAC AGTAAAGGCA AAACAAGATG AACTTAAAGA GATGAAATGC
2b_Thai     CTTGACCAAC TGCTAACAAC AGTAAAGGCA AAACAAGATG AACTTAAAGA GATGAAATGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2285       2295       2305       2315       2325       2335
2b_SalI     GATGACATTC CAGACATAAT CGACAATTTG AAAAAAGAAT CGCAAAATGT TTTAAATCTA
2b_Thai     GATGACATTC CAGACATAAT CGACAATTTG AAAAAAGAAT CGCAAAATGT TTTAAATCTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2345       2355       2365       2375       2385       2395
2b_SalI     AAAGATGAGG TCATAAATAA ACAGTTTGAA AATATGCGCA CAGAAATGTC AAGTTCATTG
2b_Thai     AAAGATGAGG TCATAAATAA ACAGTTTGAA AATATGCGCA CAGAAATGTC AAGTTCATTG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2405       2415       2425       2435       2445       2455
2b_SalI     GATCAAATGA CCAAAGAGTA TAACGCTCTC AAAAGCAGCA TAGAGGAATA CGAAGCGGAA
2b_Thai     GATCAAATGA CCAAAGAGTA TAACGCTCTC AAAAGCAGCA TAGAGGAATA CGAAGCGGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2465       2475       2485       2495       2505       2515
2b_SalI     AAAAAAGGAA TAGAAAACCA TAAACAAAAT ATAATTAAAA GAAAAAATAC ATTCATCGTT
2b_Thai     AAAAAAGGAA TAGAAAACCA TAAACAAAAT ATAATTAAAA GAAAAAATAC ATTCATCGTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2525       2535       2545       2555       2565       2575
2b_SalI     GCTGAACATG AAAATGATGA AGATGTGCCG GAAGGGAAAA ATACCTACAA CGAGTTTATA
2b_Thai     GCTGAACATG AAAATGATGA AGATGTGCCG GAAGGGAAAA ATACCTACAA CGAGTTTATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2585       2595       2605       2615       2625       2635
2b_SalI     AGCAATAAGG ACACAATTTT GCAAAAAGAA AGCGCAATTA GCAACCAGAT GAACACATTA
2b_Thai     AGCAATAAGG ACACAATTTT GCAAAAAGAA AGCGCAATTA GCAACCAGAT GAACACATTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2645       2655       2665       2675       2685       2695
2b_SalI     GAGGAAAAAA AAAGAAATAG AAAAACTACG TTACAAACAT ATGGTGACGC AATACAAAAA
2b_Thai     GAGGAAAAAA AAAGAAATAG AAAAACTACG TTACAAACAT ATGGTGACGC AATACAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2705       2715       2725       2735       2745       2755
2b_SalI     TTAGAAACGT ACACTGAAAA GAAGGATGAA GAAACTAAAG TGCTGCTAGA CAAGTTTAAC
2b_Thai     TTAGAAACGT ACACTGAAAA GAAGGATGAA GAAACTAAAG TGCTGCTAGA AAAGTTTAAC
Conservation ********** ********** ********** ********** ********** .*********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2765       2775       2785       2795       2805       2815
2b_SalI     ACCGAAGTGG AAAACTTCAA ACTAGATGAA GATGAAAAAT CATTTAACGA TGCCAAAAGT
2b_Thai     ACCGAAGTGG AAAACTTCAA ACTAGATGAA GATGAAAAAT CATTTAACGA TGCCAAAAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2825       2835       2845       2855       2865       2875
2b_SalI     ATTGTCAGTA ACACAATAAA TGAAGTCGAA AATGAAAACA AAAATATAGA CTCCATTAAG
2b_Thai     ATTGTCAGTA ACACAATAAA TGAAGTCGAA AATGAAAACA AAAATATAGA CTCCATTAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2885       2895       2905       2915       2925       2935
2b_SalI     AAAGTGAATA TTGCAATGAA ACGCTCCAGA AGTAACCAAC AATCCGTTGA ACAGCTAATC
2b_Thai     AAAGTGAATA TTGCAATGAA ACGCTCCAGA AGTAACCAAC AATCCGTTGA ACAGCTAATC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2945       2955       2965       2975       2985       2995
2b_SalI     AGAAATAAGG ATAATCTTCT AAAAGAAAAA ATGGAAAAAC ACTTTCAAAA AATAAACACA
2b_Thai     AGAAATAAGG ATAATCTTCT AAAAGAAAAA ATGGAAAAAC ACTTTCAAAA AATAAACACA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3005       3015       3025       3035       3045       3055
2b_SalI      GATGAAATAA TAGGACAAAG TGCCAAGGCA AACTTGCTAA ACAATCTAGA GAGCGAAAAA
2b_Thai      GATGAAATAA TAGGACAAAG TGCCAAGGCA AACTTGCTAA ACAATCTAGA GAGCGAAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3065       3075       3085       3095       3105       3115
2b_SalI      GCTATCATAA ACGAACAGTT AAATGACGCT CATTTGAATG ACCTAAAATT GCAGATAGAA
2b_Thai      GCTATCATAA ACGAACAGTT AAATGACGCT CATTTGAATG ACCTAAAATT GCAGATAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3125       3135       3145       3155       3165       3175
2b_SalI      AAAACTCTAA GTTATTGTGA AAAATCAAGG GAAAATATTA AAGGAAATAA TGGAACACAT
2b_Thai      AAAACTCTAA GTTATTGTGA AAAATCAAGG GAAAATATTA AAGGAAATAA TGGAACACAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3185       3195       3205       3215       3225       3235
2b_SalI      CCAGAAGAAT TAAACGCAAG CGAAATTGAG TGGGAAGCTA CGAAAGGAAA AATAGAAACA
2b_Thai      CCAGAAGAAT TAAACGCAAG CGAAATTGAG TGGGAAGCTA CGAAAGGAAA AATAGAAACA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3245       3255       3265       3275       3285       3295
2b_SalI      CTAAACAGTA ATTATCAAGC GTTAAACAAA AACATGGATG ATATAATCAA TAAGCAGCAC
2b_Thai      CTAAACAGTA ATTATCAAGC GTTAAACAAA AACATGGATG ATATAATCAA TAAGCAGCAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3305       3315       3325       3335       3345       3355
2b_SalI      GATGAAATGA TAGTGCTCAT TGATAGAGAT ATAAAGGAGA AGGGAAAAGA CATCGAGCTT
2b_Thai      GATGAAATGA TAGTGCTCAT TGATAGAGAT ATAAAGGAGA AGGGAAAAGA CATCGAGCTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3365       3375       3385       3395       3405       3415
2b_SalI      AAAGTTGAGC AACGTATACA GGCGCTCGAA AAAATGAAAG CAAAATTGTC CTCATTTGAT
2b_Thai      AAAGTTGAGC AACGTATACA GGCGCTCGAA AAAATGAAAG CAAAATTGTC CTCATTTGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3425       3435       3445       3455       3465       3475
2b_SalI      ACCAATGAGG ATGTTAAAAA ATACCAAAGT GACATAAATA AAGAAGAACT CATAAAATTA
2b_Thai      ACCAATGAGG ATGTTAAAAA ATACCAAAGT GACATAAATA AAGAAGAACT CATAAAATTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3485       3495       3505       3515       3525       3535
2b_SalI      AAAGAAATGT CCACTGCAGT CCTAAACAAA ATTGATCAAA ATAAAAATCA ATTGATTAAC
2b_Thai      AAAGAAATGT CCACTGCAGT CCTAAACAAA ATTGATCAAA ATAAAAATCA ATTGATTAAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3545       3555       3565       3575       3585       3595
2b_SalI      GTAAAGACAA AATCCAGTGG CTACGTCGCA GAATCGAATG GAATAAAAAA TAAACAAACC
2b_Thai      GTAAAGACAA AATCCAGTGG CTACGTCGCA GAATCGAATG GAATAAAAAA TAAACAAACC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3605       3615       3625       3635       3645       3655
2b_SalI     GAACCGAGTC AAGAGAAAGA CAAGCAAATT GTGTACAACA CAAATAGGGG TGACATCGAA
2b_Thai     GAACCGAGTC AAGAGAAAGA CAAGCAAATT GTGTACAACA CAAATAGGGG TGACATCGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3665       3675       3685       3695       3705       3715
2b_SalI     AAAGTTTATA AAAACATTAG AGACATGTAC AACGAACTGG ATGATGTCGA AAAGGAAGAA
2b_Thai     AAAGTTTATA AAAACATTAG AGACATGTAC AACGAACTGG ATGATGTCGA AAAGGGAGAA
Conservation ********** ********** ********** ********** ********** *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3725       3735       3745       3755       3765       3775
2b_SalI     ACCACCTCAA ACGAAGTAGA CAACATAGAA ATGCAGTATG ACAGACTTTT AATCAATTTG
2b_Thai     ACCACCTCAA ACGAAGTAGA CAACATAGAA ATGCAGTATG ACAGACTTTT AATCAATTTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3785       3795       3805       3815       3825       3835
2b_SalI     CTTGTTCAAA AGATCAACGA AGAAAACACA AAGGCGAAGG GACTCATGGA AGAAATTAAA
2b_Thai     CTTGTTCAAA AGATCAACGA AGAAAACACA AAGGCGAAGG GACTCATGGA AGAAATTAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3845       3855       3865       3875       3885       3895
2b_SalI     TCATACATAG AAAATATTGA AAGTGTACAG GCCAAAATGT CAGATGAAAC GCGAGAAGGC
2b_Thai     TCATACATAG AAAATATTGA AAGTGTACAG GCCAAAATGT CAGATGAAAC GCGAGAAGGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3905       3915       3925       3935       3945       3955
2b_SalI     GCAACTGAGT TTGAGTTTAA TCAATATCAG CAGAGCAGTT TAGCCAATGA TAAAAAAATT
2b_Thai     GCAACTGAGT TTGAGTTTAA TCAATATCAG CAGAGCAGTT TAGCCAATGA TAAAAAAATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3965       3975       3985       3995       4005       4015
2b_SalI     ACCGAAATTG TTCAACATGC TATAAATAAG AAGGGAGAAG CAGAAAGAAG TAAAAAAACG
2b_Thai     ACCGAAATTG TTCAACATGC TATAAATAAG AAGGGAGAAG CAGAAAGAAG TAAAAAAACG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4025       4035       4045       4055       4065       4075
2b_SalI     AATGAAGTAA AATCCATCAA AAATGACGTT AACACTTACA TGCAACAAGT TATAGATGAA
2b_Thai     AATGAAGTAA AATCCATCAA AAATGACGTT AACACTTACA TGCAACAAGT TATAGATGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4085       4095       4105       4115       4125       4135
2b_SalI     TATAACGCTA TGCAAAAGGC GTTAGGGGAT ATTAAAAATG TGAACGATTT ATTAATATCA
2b_Thai     TATAACGCTA TGCAAAAGGC GTTAGGGGAT ATTAAAAATG TGAACGATTT ATTAATATCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4145       4155       4165       4175       4185       4195
2b_SalI     ACCAGTGGTA GAAGAATCGC TGAAGAAATA TCGAAGAGCA CTAACGAAGC TGAGAATTTT
2b_Thai     ACCAGTGGTA GAAGAATCGC TGAAGAAATA TCGAAGAGCA CTAACGAAGC TGAGAATTTT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4205       4215       4225       4235       4245       4255
2b_SalI     GAAAAGCAAG CAAAAGGAGA ATTAGGAAAA ATAAATGATA TAATTGAAAA AATGGAAAAT
2b_Thai     GAAAAGCAAG CAAAAGGAGA ATTAGGAAAA ATAAATGATA TAATTGAAAA AATGGAAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4265       4275       4285       4295       4305       4315
2b_SalI     CAAATGGTTC AGGCAAAGGA ACACGAAAAT AAAATTCATA TAAACTTAGA GGATAAACAA
2b_Thai     CAAATGGTTC AGGCAAAGGA ACACGAAAAT AAAATTCATA TAAACTTAGA GGATAAACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4325       4335       4345       4355       4365       4375
2b_SalI     ATAGATGAAG AAGTGCAAAA AATTAGACAA ATTCATGAAG AACTTATAAA TACGAAAATT
2b_Thai     ATAGATGAAG AAGTGCAAAA AATTAGACAA ATTCATGAAG AACTTATAAA TACGAAAATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4385       4395       4405       4415       4425       4435
2b_SalI     GCAATGAATG AACATTTAAG TAAGACAAAA GCCGCTAAAG AAAATTGCCT TTCCCAAGTC
2b_Thai     GCAATGAATG AACATTTAAG TAAGACAAAA GCCGCTAAAG AAAATTGCCT TTCCCAAGTC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4445       4455       4465       4475       4485       4495
2b_SalI     CGTAATGCCG AGAGGGGGAA AATTAAAATA GATTTTCTCA ATAATAACAA ACAAAGTAGC
2b_Thai     CGTAATGCCG AGAGGGGGAA AATTAAAATA GATTTTCTCA ATAATAACAA ACAAAGTAGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4505       4515       4525       4535       4545       4555
2b_SalI     AATTTGAAAG ACGTCAATAT GGATCATGTA ACTAAAAATA TTGCCGACTG TGTGGAACAC
2b_Thai     AATTTGAAAG ACGTCAATAT GGATCATGTA ACTAAAAATA TTGCCGACTG TGTGGAACAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4565       4575       4585       4595       4605       4615
2b_SalI     TCAAAAGAAG TTAATAAAAC TGAAAACGAA GCTGAAAAGG AACATGACCT ATTCCTAGAA
2b_Thai     TCAAAAGAAG TTAATAAAAC TGAAAAAGAA GCTGAAAAGG AACATGACCT ATTCCTAGAA
Conservation ********** ********** ******.*** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4625       4635       4645       4655       4665       4675
2b_SalI     TATGAAAAAG ATATTACCAG CATATTAAAC AGATCCTCAA TTTTAGGAAT AGAAACAAAA
2b_Thai     TATGAAAAAG ATATTACCAG CATATTAAAC AGATCCTCAA TTTTAGGAAT AGAAACAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4685       4695       4705       4715       4725       4735
2b_SalI     TCGAAAAAAA GAAAAAACGA AGCTACCAAA ATAATGGGCC AAATTGAGGG GGAACATTCT
2b_Thai     TCGAAAAAAA GAAAAAACGA AGCTACCAAA ATAATGGGCC AAATTGAGGG GGAACATTCT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4745       4755       4765       4775       4785       4795
2b_SalI     ATAATTAAAA CGGAACTTCA ACAATCTTCA GAAAATTTTA AACAACTGAA TGAAAAATAT
2b_Thai     ATAATTAAAA CGGAACTTCA ACAATCTTCA GAAAATTTTA AACAACTGAA TGAAAAATAT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4805       4815       4825       4835       4845       4855
2b_SalI      AACCTTAGCG AAGAAAAAAG TATGCTTGCC AATCCCACAT CCACCAAAGC AAATGAGTCC
2b_Thai      AACCTTAGCG AAGAAGAAAG TATGCTTGCC AATCCCACAT CCACCAAAGC AAATGAGTCC
Conservation ********** *****.**** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4865       4875       4885       4895       4905       4915
2b_SalI      ATACAGTATA ACATAGGCAA GGTGAAACAA AATTTGTTAT ACATAGACAA TATAGCGAAA
2b_Thai      ATACAGTATA ACATAGGCAA GGTGAAACAA AATTTGTTAT ACATAGACAA TATAGCGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4925       4935       4945       4955       4965       4975
2b_SalI      GAAGTAGACA CTATTTTAAC TAACGCACAA GATTCAATTA GATCAATATC GCAGATTTCC
2b_Thai      GAAGTAGACA CTATTTTAAC TAACGCACAA GATTCAATTA GATCAATATC GCAGATTTCC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4985       4995       5005       5015       5025       5035
2b_SalI      AAACTAGACG GAAGGAATAC ACTACAAATG GTGGAAAAGG AAGCAGCAGA TTATGTAAAA
2b_Thai      AAACTAGACG GAAGGAATAC ACTACAAATG GTGGAAAAGG AAGCAGCAGA TTATGTAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5045       5055       5065       5075       5085       5095
2b_SalI      TATTTAGACA AAATAACCAA AGAGAAGGAA CTAATGAATG ATAAACACAA AGACCTCAAT
2b_Thai      TATTTAGACA AAATAACCAA AGAGAAGGAA CTAATGAATG ATAAACACAA AGACCTCAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5105       5115       5125       5135       5145       5155
2b_SalI      CCCATAAAGT CCGATATTGC AAATATAGAA ACAGAATTGA AAAAGCATAG GAAACTTTTC
2b_Thai      CCCATAAAGT CCGATATTGC AAATATAGAA ACAGAATTGA AAAAGCATAG GAAACTTTTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5165       5175       5185       5195       5205       5215
2b_SalI      GAAATAGGAC TTTTGAATAA GGTTATCGAG ATAGCTAAAA CGAGAAAATT GTACATGGAT
2b_Thai      GAAATAGGAC TTTTGAATAA GGTTATCGAG ATAGCTAAAA CGAGAAAATT GTACATGGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5225       5235       5245       5255       5265       5275
2b_SalI      TCAGTGGAAC AGCTCCTAAA TTCCTCCATC AATAATTTTG TTACCCTCTT TAATGGGTTC
2b_Thai      TCAGTGGAAC AGCTCCTAAA TTCCTCCATC AATAATTTTG TTACCCTCTT TAATGGGTTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5285       5295       5305       5315       5325       5335
2b_SalI      AATTTAAAAA AATATAAAAT TGAAACCAGT TTAGACGTTT ATAAAGGAAA AATAAGTGAA
2b_Thai      AATTTAAAAA AATATAAAAT TGAAACCAGT TTAGACGTTT ATAAAGGAAA AATAAGTGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5345       5355       5365       5375       5385       5395
2b_SalI      TTCCACACTG AATTCCTTCA GCCATACGAA TCAATTCAAA ATAAGGAAAA ACGCGTACTG
2b_Thai      TTCCACACTG AATTCCTTCA GCCATACGAA TCAATTCAAA ATAAGGAAAA ACGCGTACTG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5405       5415       5425       5435       5445       5455
2b_SalI     GACCCTTCGG TAGATTTTAG TGCAGCAAAA AATATGCGAG AAGAAGCTCA AAAGGAGGAA
2b_Thai     GACCCTTCGG TAGATTTTAG TGCAGCAAAA AATATGCGAG AAGAAGCTCA AAAGGAGGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5465       5475       5485       5495       5505       5515
2b_SalI     AAAAATATCG AAAATGTAGA AAAAAAGACA AAAAAATATC TAAGCGATAT TAACAAAATG
2b_Thai     AAAAATATCG AAAATGTAGA AAAAAAGACA AAAAAATATC TAAGCGATAT TAACAAAATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5525       5535       5545       5555       5565       5575
2b_SalI     GAATCCTTTA CATTCATACG TAATATGAGA CAAACTTTGG ATGAACTAAG CAAAACATGC
2b_Thai     GAATCCTTTA CATTCATACG TAATATGAGA CAAACTTTGG ATGAACTAAG CAAAACATGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5585       5595       5605       5615       5625       5635
2b_SalI     AAACAGGAAT ACGCAGAAGT CGAGGGAGGT CACAAAGACA TTGAAAAAAT CATAGAAGAT
2b_Thai     AAACAGGAAT ACGCAGAAGT CGAGGGAGGT CACAAAGACA TTGAAAAAAT CATAGAAGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5645       5655       5665       5675       5685       5695
2b_SalI     ATTAAGAGCC TAAACGATGA AAGTGGCTCG TCAGCTAAAT TACAACAAGC AGAGGATAAA
2b_Thai     ATTAAGAGCC TAAACGATGA AAGTGGCTCG TCAGCTAAAT TACAACAAGC AGAGGATAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5705       5715       5725       5735       5745       5755
2b_SalI     AATAGCCAAA TGAAAGCCAA AGTGAATCAT TATTCACTTA AGAAAGAGGC ACACACTATA
2b_Thai     AATAGCCAAA TGAAAGCCAA AGTGAATCAT TATTCACTTA AGAAAGAGGC ACACACTATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5765       5775       5785       5795       5805       5815
2b_SalI     TTAGAACAAA TTGTCAAATC AGCCAATTTT GTAGGCATTA CAATAGTGAC AGCGTTACAG
2b_Thai     TTAGAACAAA TTGTCAAATC AGCCAATTTT GTAGGCATTA CAATAGTGAC AGCGTTACAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5825       5835       5845       5855       5865       5875
2b_SalI     CCATCAGATT TAGCTGCTAA AGCGAGTTTG CAAAAAGCAC CAGAATTGCA GTTTGAATCC
2b_Thai     CCATCAGATT TAGCTGCTAA AGCGAGTTTG CAAAAAGCAC CAGAATTGCA GTTTGAATCC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5885       5895       5905       5915       5925       5935
2b_SalI     CAATCCAAAG TAACACTAGA AAGCGGACAA TTCTTAGAAA AAAAAAACCA ATTGGATGTC
2b_Thai     CAATCCAAAG TAACACTAGA AAGCGGACAA TTCTTAGAAA AAAAAAACCA ATTGGATGTC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5945       5955       5965       5975       5985       5995
2b_SalI     CACGAAAATG TGCAAGCCGC CTACAATACC GTTCTTCAGA TATACAAATA TTCAGATGAT
2b_Thai     CACGAAAATG TGCAAGCCGC CTACAATACC GTTCTTCAGA TATACAAATA TTCAGATGAT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6005       6015       6025       6035       6045       6055
2b_SalI     ATAGTAAGGA AGCAGGAAAA ATGCGAACAA TTAGTAAAAG ACGGAAAAGA TATATGCCTT
2b_Thai     ATAGTAAGGA AGCAGGAAAA ATGCGAACAA TTAGTAAAAG ACGGAAAAGA TATATGCCTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6065       6075       6085       6095       6105       6115
2b_SalI     AAATTCAAAT CAATAAACGA AATTAAAGTT ATGATTCAAA ATAGTAAGGG AAAAGAAAGC
2b_Thai     AAATTCAAAT CAATAAACGA AATTAAAGTT ATGATTCAAA ATAGTAAGGG AAAAGAAAGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6125       6135       6145       6155       6165       6175
2b_SalI     ACCCTTTCAG CCAAAGTGAG TCACTCCTTT AACAAGCTAA GTGAGCTAAA CAAAATTAAG
2b_Thai     ACCCTTTCAG CCAAAGTGAG TCACTCCTTT AACAAGCTAA GTGAGCTAAA CAAAATTAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6185       6195       6205       6215       6225       6235
2b_SalI     TGCAATGATG AAAGTTACGA TGCCATTTTG GAAACACCCA GTAGGGAAGA ACTAAACAAA
2b_Thai     TGCAATGATG AAAGTTACGA TGCCATTTTG GAAACACCCA GTAGGGAAGA ACTAAACAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6245       6255       6265       6275       6285       6295
2b_SalI     CTAAGGAGCA CATTTAAACA AGAGAAAGAC ACCATCGCAA ACCAAGCAAA ATTGAGTGGC
2b_Thai     CTAAGGAGCA CATTTAAACA AGAGAAAGAC ACCATCGCAA ACCAAGCAAA ATTGAGTGGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6305       6315       6325       6335       6345       6355
2b_SalI     TATAAAACAG ATTTCGAAAC TCACATTGGA AAATTAAATG ACTTAGCCAA AATAGTGGAC
2b_Thai     TATAAAACAG ATTTCGAAAC TCACATTGGA AAATTAAATG ACTTAGCCAA AATAGTGGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6365       6375       6385       6395       6405       6415
2b_SalI     AACTTAAAAG CCAGCGAAAC TCTTCCAAAA AATATAGAAG AAAAAAAAAC GTCCATCAAC
2b_Thai     AACTTAAAAG CCAGCGAAAC TCTTCCAAAA AATATAGAAG AAAAAAAAAC GTCCATCAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6425       6435       6445       6455       6465       6475
2b_SalI     CTAATTTCAA CCAAATTGGA AACCATCGAA AAGGAAATTG AAAGTATTAA TTCCTCCTTT
2b_Thai     CTAATTTCAA CCAAATTGGA AACCATCGAA AAGGAAATTG AAAGTATTAA TTCCTCCTTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6485       6495       6505       6515       6525       6535
2b_SalI     GATCAGTTGC TCGAGAAAGG AAAGAAGTGC GAAATGACGA AGTACAAATT GGTAAGGGAT
2b_Thai     GATCAGTTGC TCGAGAAAGG AAAGAAGTGC GAAATGACGA AGTACAAATT GGTAAGGGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6545       6555       6565       6575       6585       6595
2b_SalI     AGCCTAAGCA CTAAAATAAA TGACCATTCT GCAATCATTA AGGACAACCA AAAAAAAGCC
2b_Thai     AGCCTAAGCA CTAAAATAAA TGACCATTCT GCAATCATTA AGGACAACCA AAAAAAAGCC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6605       6615       6625       6635       6645       6655
2b_SalI     ACTGAATATT TAACGTACAT TCAAAATAAT CACATTTCCA TATTTAAAGA CATTGATATG
2b_Thai     ACTGAATATT TAACGTACAT TCAAAATAAT CACATTTCCA TATTTAAAGA CATTGATATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6665       6675       6685       6695       6705       6715
2b_SalI     CTAAATGAAA ACCTGGGTGA AAAATCCGTA AGTAGGTATG CCATAGCCAA AATCGAAGAA
2b_Thai     ATAAATGAAA ACCTGGGTGA AAAATCCGTA AGTAGGTATG CCATAGCCAA AATCGAAGAA
Conservation .********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6725       6735       6745       6755       6765       6775
2b_SalI     GCAAATGATC TTTCCGCACA ACTAACCGCT GCAGTTAGTG AATACGAAGC GATAGCTAAT
2b_Thai     GCAAATGATC TTTCCGCACA GCTAACCGCT GCAGTTAGTG AATACGAAGC GATAGCTAAT
Conservation ********** ********** .********* ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6785       6795       6805       6815       6825       6835
2b_SalI     TCTATTAGAA AAGAATTTAC AAATATAAGT GACCACACCG AAATGGACAC TCTTGAAAAT
2b_Thai     TTTATTAGAA AAAAATTTAC AAATATAAGT GACCACACCG AAATGGACAC TCTTGAAAAT
Conservation * ******** **.******* ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6845       6855       6865       6875       6885       6895
2b_SalI     GAGGCAAAAA TGTTGAAAGA ACATTATGAC AATCTAATAA ATAAAAAAAA CATCATAACA
2b_Thai     GAGGCAAAAA TGTTGAAAGA ACATTATGAC AATCTAATAA ATAAAAAAAA CATCATAACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6905       6915       6925       6935       6945       6955
2b_SalI     GAATTACATA ACAAAATTAA TTTAATTAAA CTGCTTGAAA TAAGAGCCAC CTCTGATAAA
2b_Thai     GAATTACATA ACAAAATTAA TTTAATTAAA CTGCTTGAAA TAAGAGCCAC CTTTGATAAA
Conservation ********** ********** ********** ********** ********** ** *******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6965       6975       6985       6995       7005       7015
2b_SalI     TACGTCGATA TAGCTGAACT GCTTGGCGAA GTAGTAAAGG ATCAAAAAAA AAAGTTACAA
2b_Thai     TACGTCGATA TAGCTGAACT GCTTGGCGAA GTAGTAAAGG ATCAAAAAAA AAAGTTACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7025       7035       7045       7055       7065       7075
2b_SalI     GAAGCAAAAA ATAAACTGGA CACGCTTAAA GACCATATAG CAGTTAAAGA AAAGGAGTTA
2b_Thai     GAAGCAAAAA ATAAACTGGA CACGCTTAAA GACCATATAG CAGTTAAAGA AAAGGAGTTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7085       7095       7105       7115       7125       7135
2b_SalI     ATCAACCATG ACAGCTCCTT CACCCTAGTG TCCATTAAAG CGTTCGACGA AATATATGAT
2b_Thai     ATCAACCATG ACAGCTCCTT CACCCTAGTG TCCATTAAAG CGTTCGACGA AATATATGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7145       7155       7165       7175       7185       7195
2b_SalI     GACATTAAAT ATAATGTAGG CCAATTGCAC ACATTAGAAG TAACTAACTT TGATGAACTT
2b_Thai     GACATTAAAT ATAATGTAGG CCAATTGCAC ACATTAGAAG TAACTAACTT TGATGAACTT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7205       7215       7225       7235       7245       7255
2b_SalI      AAAAAAGGTA AAACGTATGA AGAAAATGTT ACCCATTTAT TAAACAGAAG GGAAACCTTA
2b_Thai      AAAAAAGGTA AAACGTATGA AGAAAATGTT ACCCATTTAT TAAACAGAAG GGAAACCTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7265       7275       7285       7295       7305       7315
2b_SalI      CAGAATGATC TCCACAATTA TGAAGAAAAA GACAAACTGA AAAATACAAA TATAGAAATG
2b_Thai      CAGAATGATC TCCACAATTA TGAAGAAAAA GACAAACTGA AAAATACAAA TATAGAAATG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7325       7335       7345       7355       7365       7375
2b_SalI      TCAAATGAAG AAAACAACCA AATAAGACAA ACCAGTGAAG TAATAAAAAA ATTAGAAAGC
2b_Thai      TCAAATGAAG AAAACAACCA AATAAGACAA ACCAGTGAAG TAATAAAAAA ATTAGAAAGC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7385       7395       7405       7415       7425       7435
2b_SalI      GAATTTCAAA ACTTGCTAAA AATTATTCAA CAAAGTAACA CGCTATGCAG TAATGATAAT
2b_Thai      GAATTTCAAA ACTTGCTAAA AATTATTCAA CAAAGTAACA CGCTATGCAG TAATGATAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7445       7455       7465       7475       7485       7495
2b_SalI      ATAAAACAGT TCATTTCTGA TATTCTAAAA AAAGTGGAAA CTATTAGAGA AAGGTTTGTC
2b_Thai      ATAAAACAGT TCATTTCTGA TATTCTAAAA AAAGTGGAAA CTATTAGAGA AAGGTTTGTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7505       7515       7525       7535       7545       7555
2b_SalI      AAGAATTTCC CCGAGAGAGA GAAGTACCAT CAAATAGAAA TCAACTACAA CGAAATTAAA
2b_Thai      AAGAATTTCC CCGAGAGAGA GAAGTACCAT CAAATAGAAA TCAACTACAA CGAAATTAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7565       7575       7585       7595       7605       7615
2b_SalI      GGCATTGTTA AAGAAGTAGA TACAAATCCA GAAATAAGCA TATTTACTGA AAAAATAAAT
2b_Thai      GGCATTGTTA AAGAAGTAGA TACAAATCCA GAAATAAGCA TATTTACTGA AAAAATAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7625       7635       7645       7655       7665       7675
2b_SalI      ACATATATAC GGCAAAAAAT TAGAAGCGCT CACCATTTGG AAGATGCCCA AAAAATAAAA
2b_Thai      ACATATATAC GGCAAAAAAT TAGAAGCGCT CACCATTTGG AAGATGCCCA AAAAATAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7685       7695       7705       7715       7725       7735
2b_SalI      GACATAATAG AAGATGTTAC AAGTAACTAT AGAAAAATAA AAAGTAAACT CTCTCAAGTT
2b_Thai      GACATAATAG AAGATGTTAC AAGTAACTAT AGAAAAATAA AAAGTAAACT CTCTCAAGTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7745       7755       7765       7775       7785       7795
2b_SalI      AATAACGCTT TAGATAGAAT TAAAATAAAG AAAAGTGAGA TGGATACCCT ATTTGAATCA
2b_Thai      AATAACGCTT TAGATAGAAT TAAAATAAAG AAAAGTGAGA TGGATACCCT ATTTGAATCA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7805       7815       7825       7835       7845       7855
2b_SalI      TTGTCCAAAG AAAATGCCAA TAATTATAAT TCCGCAAAAT ATTTTTTAGT CGATTCGGAT
2b_Thai      TTGTCCAAAG AAAATGCCAA TAATTATAAT TCCGCAAAAT ATTTTTTAGT CGATTCGGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7865       7875       7885       7895       7905       7915
2b_SalI      AAAATAATTA AGCATTTAGA AGACCAAGTT AGCAAAATGT CAAGCTTAAT AAGTTACGCC
2b_Thai      AAAATAATTA AGCATTTAGA AGACCAAGTT AGCAAAATGT CAAGCTTAAT AAGTTACGCC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7925       7935       7945       7955       7965       7975
2b_SalI      GAAAGGGAAA TAAAAGAATT AGAAGAAAAA GTGTATAGCA TATTAAATCG ACCTGTTATT
2b_Thai      GAAAGGGAAA TAAAAGAATT AGAAGAAAAA GTGTATAGCA TATTAAATCG ACCTGTTATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7985       7995       8005       8015       8025       8035
2b_SalI      GATAACTCCG CTTCGGAGCA AATCAAACTG TTAAGTGATA CCCAAGAGAA CGATACAGAC
2b_Thai      GATAACTCCG CTTCGGAGCA AATCAAACTG TTAAGTGATA CCCAAGAGAA CGATACAGAC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8045       8055       8065       8075       8085       8095
2b_SalI      GAAGCTCAAA AACGGGAATT TGCTGAAGAA CAAATTCTGA ATTTACCTAA ACAACAGATA
2b_Thai      GAAGCTCAAA AACGGGAATT TGCTGAAGAA CAAATTCTGA ATTTACCTAA ACAACAGATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8105       8115       8125       8135       8145       8155
2b_SalI      CATTCAGATG AGGGCAACAA TAATGATATG AGCACTACAG ATAGTGCAAA TGAAGAGAAA
2b_Thai      CATTCAGATG AGGGCAACAA TAATGATATG AGCACTACAG ATAGTGCAAA TGAAGAGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8165       8175       8185       8195       8205       8215
2b_SalI      CAAACTGGAG AGGAAGAATC ACAACATGAG GATCAGTCAC AACCAAGGGG GATACATAGT
2b_Thai      CAAACTGGAG AGGAAGAATC ACAACATGAG GATCAGTCAC AACCAAGGGG GATACATAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8225       8235       8245       8255       8265       8275
2b_SalI      CGAGTTCGCC TTGCAGAAGG AATTATTTTG GGATTATCTG TCTTTTCAGG TATTATTTTT
2b_Thai      CGAGTTCGCC TTGCAGAAGG AATTATTTTG GGATTATCTG TCTTTTCAGG TATTATTTTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8285       8295       8305       8315       8325       8335
2b_SalI      ATCTCATTCA GGCATAAGGA TGAGGAAAAG AAAGACCCTG AATCCGTCGG GGAACAATTT
2b_Thai      ATCTCATTCA GGCATAAGGA TGAGGAAAAG AAAGACCCTG AATCCGTCGG GGAACAATTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8345       8355       8365       8375       8385       8395
2b_SalI      GAAGGTAATA ACAATTTTAA TGAAGACGAT AAGGAAGAAG TCATAGACGT TTGCTTCGAC
2b_Thai      GAAGGTAATA ACAATTTTAA TGAAGACGAT AAGGAAGAAG TCATAGACGT TTGCTTCGAC
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| .
                8405       8415
2b_SalI      AATAGCGATT ATTCTGAATA G
2b_Thai      AATAGCGATT ATTCTGAATA G
Conservation ********** ********** *
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Alignment: Pvrbp2c

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
2c_SalI      ATGGAAAAAA ATGTTCTTTG GGTAATCTTT TACAATTTCC TAGTTATTCT TTTGGCATCA
2c_Thai      ATGGAAAAAA ATGTTCTTTG GGTAATCTTT TACAATTTCC TAGTTATTCT TTTGGCATCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                65         75         85         95        105        115
2c_SalI      TGTAAAGATT CTAATAGGAG CAAATCTAAC AGTCTAAAAA GTGAAAGTAA GTCGTTACCG
2c_Thai      TGTAATGATT CTAATCGGAG CAAATCTAAC AGTCTAAAAA GTGAAAGTAA GTCGTTACCG
Conservation *****:**** *****.**** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               125        135        145        155        165        175
2c_SalI      ACATATGCTA ATTTAATGAG GAATGGTCAA CACAAATACA ACAATGCTAA AACGGAAGAT
2c_Thai      ACATATGCTA ATTTAATGAG GAATGGTCAA GACAAATACA ACAATGCTAA AACGGAAGAT
Conservation ********** ********** ********** .********* ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               185        195        205        215        225        235
2c_SalI      AATATAGGTA ATCAGATCAA CAATGATAAC AACCATAATG GGTATAATGA TAACAGAACT
2c_Thai      AATATAGGTA ATCAGATCAA CAATGACAAC AACCATAACG GATATAATGA TAACAGAATT
Conservation ********** ********** ****** *** ******** * *.******** ******** *

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               245        255        265        275        285        295
2c_SalI      AATAGTGAAT ATCCAAAAAC ATCACATCTA CAGCATAGCC CGTCTCTGGT ACATTTAAAT
2c_Thai      AATAGTGAAT ATCCCAAAAC ATCACATCTA CAGCATAGTC CGTCTTTGGT ACATTTAAAT
Conservation ********** ****.***** ********** ******** * ***** **** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               305        315        325        335        345        355
2c_SalI      GATCATAAAT TCACGGCAAA ACCATCTCGA CATGCTTACA TACAAAGAAA CAGCATATAT
2c_Thai      GATCATAAAT TTACGACAAA ACCATCTCGA CATTCTTACG TACAAAGAAA CAGCATATAT
Conservation ********** * ***.**** ********** *** *****. ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               365        375        385        395        405        415
2c_SalI      ACACTTAACA CAAATAATAA TATGGAAAAT ACAAATAACG AATCGCATAC GGTTCCAAAT
2c_Thai      AAACGTAACA CAAATAATAA TATGGAAAAT ACAAATAACG AATTGCATGT TGTTCCAAAT
Conservation *.** ***** ********** ********** ********** *** ****.   *********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               425        435        445        455        465        475
2c_SalI      TTATTTATTC AAAAAAATCA AAAAGCCCCC CAAAAGCCAG CTACCCAAAA AAAGCCAACG
2c_Thai      TTTTTTATTC AAGAAAAAAA AGCAGCCCCC CAAAAGCCAT CTGTCCAAAA TACACCAACG
Conservation **:******* **.****:.* *..******* *********  **. ****** .*..******

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               485        495        505        515        525        535
2c_SalI      GTCCAAAAAA AAACAGAGGC CCCTGAAATT GTATATGGTA ATTTGGACTA CCTTAATACC
2c_Thai      ---------- --------GC CACTCAAATT GTATATAATA ATTTGGACTA CCTCAATGCC
Conservation                    ** *.** ***** ******..** ********** *** ***.**

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               545        555        565        575        585        595
2c_SalI      TTCGATGACA CTAATAATAT AATTTCTGCG TTTAAACCTC ACCACCCAAT TATATATTAC
2c_Thai      TTCGATGACA CTAATAATAT AATTTCTGCG TTTAAACCTC ACCACCCAAT TATATATTAC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               605        615        625        635        645        655
2c_SalI     TTCAAGGAAA TGGAACATTT TGCAAATAGT TACTATGACC TGAGGAGTAA AATTAGGGAT
2c_Thai     TTCAAGGAAT TGGAACATTT TGCAAATAGT TACTATGACC TGAGGAGTAA AATTAAGGAT
Conservation *********: ********** ********** ********** ********** *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               665        675        685        695        705        715
2c_SalI     TATTTTGCTC TTCCGATGAA ACAGGCTTTC GATGTCGTAG AGCAAAATGT AAAAGACTGT
2c_Thai     TATTTTGCTC TTCCGATGAA ACAGGCTTCC GATGTGGTAG AAAAAAATGT AAAAGACTGT
Conservation ********** ********** ******** * ***** **** *..******* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               725        735        745        755        765        775
2c_SalI     TTGAAGAACA TAAATGAATT GAGAACATTA ATGACTCAGT TAGAAAATCC CCAAAACTAT
2c_Thai     TTGCAGAACA TAAATGAATC GAGAATATTA ATGACTCAGT TAGAAAATCC CCAAAACTAT
Conservation ***.****** *********  ***** **** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               785        795        805        815        825        835
2c_SalI     AATGATATAA GTAATCAATA TGCTGAAAAA GTAAAAGAAT ACAAAAAGGA AATTGAGGAT
2c_Thai     AATGATATAA GTGATAAATA TGATGAAAAA GTAAAAGAAT ACAAAAAGAA AATTGAGGAT
Conservation ********** **.**.**** **.******* ********** ********.* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               845        855        865        875        885        895
2c_SalI     ATGCAAAATT GTTTAAAAGA CAATTATAAA CAAAATTTTA AAGCTATCTT ATCTGCAAAA
2c_Thai     ATGCAAATTT GTTTAAAAGA CAGTTATATA AAAAATTTTA AAGCTATCAT GTCTGCAAAT
Conservation *******:** ********** **.*****:* .********* ********:* .********:

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               905        915        925        935        945        955
2c_SalI     TTAAAAATGA ACCTCGCTTT AAAAGATATA TATGCTAGCT GGTGGTCCCA ATTAAGTTCG
2c_Thai     TTAAAAATGA ATCTAGCTTT AAACGGAATA TATATCCACT GGTGGTACCT AACATGTTCG
Conservation ********** * **.***** ***.*..*** ***.....** ******.**. *..*.*****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               965        975        985        995       1005       1015
2c_SalI     ACGGATACTT ACTATGATAT GGTTAAAAGA TATGTATTAG AAGTTAACAA ATTTGATAAA
2c_Thai     ACGAAAACTT ACGATGATAT AGTTAAAGAA TATGCAATAG AGATTAACGA TTTTGATGAA
Conservation ***.*.**** **.******* .******..* ****.*.*** *..*****.* .******.**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1025       1035       1045       1055       1065       1075
2c_SalI     AACACATCAA CTTCCTTTAT GGATCATATA AAGAAAATAC ATAATTCTGC TATTGATACA
2c_Thai     AAAAAATCGA TTTCTTTTAT GGATAATATG AAGAAAATAC ATAAGTCTGC TATTGATACA
Conservation **.*.***.* .*** ***** ****.****. ********** **** ***** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1085       1095       1105       1115       1125       1135
2c_SalI     ATGAAGAAAA TGAAAGAAGA ATTAAATACA AGTCTGGATT CTGACAGAGT AGAATTTATA
2c_Thai     TTGAAGAAAA TGAAAGCAGA ATTAAATACA AGTCTGGATT CTAAAAGAAC AGAATTTATA
Conservation .********** ******.*** ********** ********** **.*.***.. **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1145       1155       1165       1175       1185       1195
2c_SalI     ATAGAAGAAA TTGGACATAT GGTAGAAAAG TTTAATCTTC ACTTGTCTAA AATGCGTTAT
2c_Thai     ATAGGAGAAA TTGGACATAT GATAGAAAAG TTTAATCTTC ATTTGACTAA AATTCGTTAT
Conservation ****.***** ********** *.******** ********** *.***.**** ***.******
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1205       1215       1225       1235       1245       1255
2c_SalI     GGAGCTGATT ATATCAAAAA TATTGATTCA CAAAAGATAG AAAGTTACGT TTATCAAGTT
2c_Thai     GCATCTGCTT TTATCAAAAG TATTCCTTTA CAAAAGGTAG AAAGTGACAT TTATCGAGTT
Conservation *.*.***.** .********. ****..**.* ******.*** ***** **.* *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1265       1275       1285       1295       1305       1315
2c_SalI     GAACTAAGAA CTCTTTTTTA TGTGGCAGCT AAACACTACG CTGATTTTAA GTTTAGTTTG
2c_Thai     GAACTAAAAA CTCTTTTTTA TGTGGCAGCT AAACACTACG CTGATTTTAA ATTTAGTTTG
Conservation *******.** ********** ********** ********** ********** .*********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1325       1335       1345       1355       1365       1375
2c_SalI     GAACATTTAA AAATGTTTGA AAATTTATCC AAAAGCAAAG AAAAAATGCT TTATAGCACT
2c_Thai     GAACATTTAA AAATGTTTGA AAATTTATCC AAAAGCAAAG AAAAAATGCT TTATAGCACT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1385       1395       1405       1415       1425       1435
2c_SalI     TTTGAAAAAT TAGAGGGTGA TTTACTAAAT AAAATAAACA CCCTTATGGG TTCTGAACAG
2c_Thai     TTTGAAAAAT TAGAGGGTGA TTTACTAAAT AAAATAAACA CCCTTATGGG TTCTGAACAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1445       1455       1465       1475       1485       1495
2c_SalI     TCTACCTCTG ATCTTACCTC TATTATTGCG GATTCTGAAA AAATCATAAA ATCTGCAGAA
2c_Thai     TCTACCTCTG ATCTTACCTC TATTATTGCG GATTCTGAAA AAATCATAAA ATCTGCAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1505       1515       1525       1535       1545       1555
2c_SalI     TCATTAATTA ATTCGAGTTC TGAAGAGATA GCAAAATATG CACTTGATTC AAATGAGAAA
2c_Thai     TCATTAATTA ATTCGAGTTC TGAAGAGATA GCAAAATATG CACTTGATTC AAATGAGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1565       1575       1585       1595       1605       1615
2c_SalI     ATTAATGAGA TAAAAAAAAA TTATGACCAA AAGATACTCA GTGTAAAAGA ATTTATAAAT
2c_Thai     ATTAATGAGA TAAAAAAAAA TTATGACCAA AAGATACTCA GTGTAAAAGA ATTTATAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1625       1635       1645       1655       1665       1675
2c_SalI     AAATCAAATG GGTTAATTAC AACTGTAAAA GGTACATCTA AACTAAGTGA ATCAGATAAG
2c_Thai     AAATCAAATG GGTTAATTAC AACTGTAAAA GGTACATCTA AACTAAGTGA ATCAGATAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1685       1695       1705       1715       1725       1735
2c_SalI     AAACAGATAG ATAAAAAAAT AGAGAAAGTA AAAAAAAATA CAAACACTCT AGAGAGGGGA
2c_Thai     AAACAGATAG ATAAAAAAAT AGAGAAAGTA AAAAAAAATA CAAACACTCT AGAGAGGGGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1745       1755       1765       1775       1785       1795
2c_SalI     AATGAGTTTA TAAAAATAAT GAATGAAGTA AAAACAAAAA TAAGCAATTC TTCTAATAGC
2c_Thai     AATGAGTTTA TAAAAATAAT GAATGAAGTA AAAACAAAAA TAAGCAATTC TTCTAATAGC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1805       1815       1825       1835       1845       1855
2c_SalI     GCTACAAATT CAAAGGATTT TTCTCATAAA TTGAAAGAAT TACAAACTGA ATTTGAAGGG
2c_Thai     GCTACAAATT CAAAGGCATT TTCTGATAAA TTGAAAGAAT TACAAACTGA ATTTGAAGGA
Conservation ********** ******..** **** ***** ********** ********** *********.

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1865       1875       1885       1895       1905       1915
2c_SalI     TTAAATAAAA CTATCGAAGA CGATTTGCAA AAAATAAAAG ACATAAAAGT AAAGGAAGAT
2c_Thai     TTAAATAAAA CTATCGAAGA CGATTTGCAA AAAATAAATG AGATAAAAAT AAAAGAAAAT
Conservation ********** ********** ********** ********:* * ******.* ***.***.**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1925       1935       1945       1955       1965       1975
2c_SalI     GAGGATCGTT CTATGAAAAA TCAAATAGAA GAACATTTGA AATATGCGTC TGATAACAGT
2c_Thai     GAGGATCGTT CTATGAAAGA TCAAATAGAA CAACATCTGA AAGATGCGTC TGATAACAGT
Conservation ********** ********.* ********** .******.*** **.******* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1985       1995       2005       2015       2025       2035
2c_SalI     GACAAAGTAA AAAAGTTAAT TTCCAAAAAT AATGAAATAC AAAATTATAT TCAGAAAATC
2c_Thai     GAAAAAGTAA AAAGGTTAAT TTCCAAAAAT AATGAAATAC AAAAATATAT TCAGATAATT
Conservation **.******* ***.****** ********** ********** ****:***** *****:***

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2045       2055       2065       2075       2085       2095
2c_SalI     GAAAATTTGA TTAAAGACGC ACCTTCTGGA AAAGAAAAAT TTACAACTCA GAAAACAGAT
2c_Thai     GAAAATTTGA TTAAAGATGC ACCTTCTGGC AAAGACAAAT TTACATCTGA GAAAACAGAT
Conservation ********** ******* ** *********. *****.**** *****.**.* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2105       2115       2125       2135       2145       2155
2c_SalI     TTGCAAAACA AGGTAAAGAC AATAATCGAT GAGTTTCATA AGGAAGATTT ACAATTATTA
2c_Thai     TTGCAAAACA AGGTAAAGGA AATAATCAAT GAGTTTCATA CGGGAGATTT ACAATTATTA
Conservation ********** ********.. *******.** ********** .**.****** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2165       2175       2185       2195       2205       2215
2c_SalI     TTAAATAGTT TATCAACATT TTACGAGGAA CACCAAAAGT TATACAGAGA AGCAAGTACT
2c_Thai     TTAAATAGTT TATCAACATT TTACGAGAAA CACCAAAAGT TATACAGCGG AGCAAGTACT
Conservation ********** ********** *******.** ********** *******.*. **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2225       2235       2245       2255       2265       2275
2c_SalI     ATAGAAAACA TTAAAGAGTT GCACCCAAAA ATAAAAGAAG AATATGAAAA ACTTGAAAAA
2c_Thai     ATAGAAAACA TTAAAGAGTT GCACCCAAAA ATAAAAGAAG AATATGAAAA ACTTGAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2285       2295       2305       2315       2325       2335
2c_SalI     AAGAATTATA GTAATATTGA TCAAACATTA CATAATTTGG ATGCAGAACT AGATAAACTG
2c_Thai     AAGAATTATA GTAATATTGA TCAAACATTA CATAATTTGG ATGCAGAACT AGATAAACTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2345       2355       2365       2375       2385       2395
2c_SalI     AAAGCTCTAG AGAAAAATAT TGTAGAAGAG CAAACTAATA ATATCAATAA AGATATGACA
2c_Thai     AAAGCTCTAG AGAAAAATAT TGTAGAAGAG CAAACTAATA ATATCAATAA AGATATGACA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2405       2415       2425       2435       2445       2455
2c_SalI     GATTCGTTGA ATAAGTTAAC TGCTGAAGTC AACAGTTTGA GAAGTGCCTT GGATAGCTAT
2c_Thai     GATTCGTTGA CTAAGTTAAA TACCGAAGTC GACAGTTTGA GAAATGCCTT GGATGGCTAT
Conservation ********** .********. *.*.****** .********** ***.****** ****.*****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2465       2475       2485       2495       2505       2515
2c_SalI     AAGGCGGATG AAGGTCATCT CAAAACCTAT AAAAACCAAA TAAATGAGAG GAAAGAGAAA
2c_Thai     AAGGCGGATG AAAGTGAGCT CAAAACCTAT AAAAACCGAA TGAATGAAAG GAAAGAAAAT
Conservation ********** **.** * ** ********** *******.** *.*****.** ******.**:

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2525       2535       2545       2555       2565       2575
2c_SalI     TTTCTCAGTA CTTTAAAGGA ACAAGAGGAT GATATTCCAG ATGGAAAAAA TATTTATGAA
2c_Thai     TTTATCAGTA CTTTAAAGGA ACAAGAGGAT GATATTCCAG ATGGAAAAAA TATTTATGAA
Conservation ***.****** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2585       2595       2605       2615       2625       2635
2c_SalI     GAGTATAATA AACATAAAGG TGTTATGGAT AACAAAGAAC AAAAAATAAC CAGTGATATA
2c_Thai     GAGTGTAATA AACATAAAGG TGTTATGGAT AACAAAGAAC ATAAAATAAC TAGTGATATA
Conservation ****.***** ********** ********** ********** *:********  *********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2645       2655       2665       2675       2685       2695
2c_SalI     AATCAATGCA GAGAAAATAT TAAAAATGCT GAAAAAAATA GAGAGAAATT CAATACTCTA
2c_Thai     AATCAATGCA AAGAAAATAT TGTAAATGCC GAAAAAAATA TAGAGACATT CAATACTCTA
Conservation ********** .********* *.:******  **********  *****.*** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2705       2715       2725       2735       2745       2755
2c_SalI     GTGCAAACAT TAGAAGCACA CACAGGAGAA AAAGATCCGA ACGTTCATGA TTCATTGGAA
2c_Thai     GTGAAAACAT TAGAAGCACA CACAGGTAAA ACATATCCAG ACGCTCATAC TTCATTGCAA
Conservation ***.****** ********** ******:.** *.* ****.. ***.****.. *******.**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2765       2775       2785       2795       2805       2815
2c_SalI     AAGTTTAAGA CTAATCTTGA AAATTTAAAT TTGAGTAAAC TAGAAACTGA ATTTAAATCT
2c_Thai     AAGCTTAAAA GTAATCTAGA AAATTTAAAT TTGAGTGAAC TCGAAAATGA ATTTAAATCT
Conservation *** ****.* .******.** ********** ******.*** *.****.*** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2825       2835       2845       2855       2865       2875
2c_SalI     CTCATCGATT CAGCTAGTAC AACCAATAAA CAGATTGAAA ATATAATAAA AAATATAGAC
2c_Thai     CTCTTCGATT CAGCTAGTAC AACCAATAAA CAGATTGAAA ATATAAGAAA AAATATAGAC
Conservation ***.****** ********** ********** ********** ****** *** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2885       2895       2905       2915       2925       2935
2c_SalI     ACAATTAAAT CATTAAATTT TACGAAAAAT AGTTCGGACA GCAGCAAATT GTCATTGGAA
2c_Thai     ACAATTAAAT CATTAAATTT TACGAAAAAT AGTTCGGACA GCAGCAAATT GTCATTGGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2945       2955       2965       2975       2985       2995
2c_SalI     AAGATAAAAG AAAATAAAGC AGATTTAATA AAAAAACTAG AACAACACAC TCAAGAAATA
2c_Thai     AAGATAAAAG AAAATAAAGC AGATTTAATA AAAAAACTAG AACAACACAC TCAAGAAATA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3005       3015       3025       3035       3045       3055
2c_SalI     GAAAAATACA CATTCATAGA AAAAGAAGAA ACGTTACCCC TTTTAAGCGA TTTACGAGAA
2c_Thai     GAAAAATACA CATTCATAGA AAAAGAAGAA ACGTCACCCC TTTTAAGCGA TTTACGAGAA
Conservation ********** ********** ********** **** ***** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3065       3075       3085       3095       3105       3115
2c_SalI     GAAAAAAACC GCGTACAGCG TGACATGTCT GAAGAATTGA TAAGCCAATT AAACACAAAA
2c_Thai     GAAAAAAACC GCGTACAGCG TGACATGTCT GAAGAGTTGA TAAACCAGTT AAACACAAAA
Conservation ********** ********** ********** *****.**** ***.***.** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3125       3135       3145       3155       3165       3175
2c_SalI     ATTAATGCTA TATTAGAATA TTACGATAAA TCAAAGGATA GTTTCAATGG GGATGATGAA
2c_Thai     ATTAATGATA TACTGGAATA TTACGATAAA TCAAAGGATA GTTTCAATGG GGATGATGAA
Conservation *******.** ** *.***** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3185       3195       3205       3215       3225       3235
2c_SalI     ACAAAATTGG AACAATTAGA TGAGTTTAAA AAAGAGTGTC AATACGTTCA ACAAGAAATA
2c_Thai     AAAAAATTGG AACAATTAGA TGACTTTAAA AGAAAGTGCC AAGATGTTCA ACAAGGAATA
Conservation *.******** ********** *** ****** *.*.**** * ** * ***** *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3245       3255       3265       3275       3285       3295
2c_SalI     GAAAAGTTAA CAACTAACTA TAAAGTTTTA GAAAATAAGA TAAATGACAT AATTAACGAA
2c_Thai     GAAAAGTTAA CAACTAACTA TAAAGTATTA GAAAATAGGA TAAATGACAT AATTAAAAAA
Conservation ********** ********** ******:*** ********.** ********** ******..**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3305       3315       3325       3335       3345       3355
2c_SalI     CAACATGAAA AAGTTATAAC ACTGAGTGAA AATCATATAA CAGGGAAAGA CAAAAAGATA
2c_Thai     CAACATGAGA AAGTTATAAC AATGACTGAA AATCATATAA CAGGGAAAGA CAAAAAGATA
Conservation ********.* ********** *.*** **** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3365       3375       3385       3395       3405       3415
2c_SalI     AATGAAAAGA TTCAACAAAA TATAAATTCG CTAAATGATA TGAAAACGAA ATTGGGTTTA
2c_Thai     AATGAAAAGA TTCAACAAAA TGTAAATTCG CTAAATGAAA TGAAAGCGAA ATTGGGTTTA
Conservation ********** ********** *.******** ********.* *****.**** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3425       3435       3445       3455       3465       3475
2c_SalI     CTCGAAATTA ACCAAGATAT CAAAAATAGC AAAGATGCTA CAATTAAAAA TAAAATACAG
2c_Thai     CTCGAAATTA ACGAAGATAT CAAAAATAGC AAAGATGTTA CAATTAAAAA TAAAATACAG
Conservation ********** **.******* ********** ********.** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3485       3495       3505       3515       3525       3535
2c_SalI     GAATTTGAAA ACAAAGTTAA AACTATACTT GGAAATATAG ATAAAGCTAA TAATAAAATA
2c_Thai     GAATTTGAAA ACAAAGTTAA AACTATACTT GGAAATATAG GTAATGCTAA TAATAAAATA
Conservation ********** ********** ********** ********** .***:***** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3545       3555       3565       3575       3585       3595
2c_SalI     GATGAAATTA AAAGAGTGCA CGTTGAGAAT AAAGTTGCAT TCGATAAAGA AAAAGTTGAA
2c_Thai     GATGCAATTA AAAGAGTGCA TGATGCGAAT AAAGTTGAAT TCGATAGAGA AAAAGTTAAA
Conservation ****.***** **********  *.**.**** ********.** ******.*** ********.**
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3605       3615       3625       3635       3645       3655
2c_SalI     AATACAAATT TCGAAAAAAA AAAGAAAAGC ATAGAAAAAG TTTATGAACA AATGGAAAAA
2c_Thai     AAAACAAGTT TCGATGAAAA AAAGGAAATC ATAGGAAAAG TTTATCAACA AATGGAAAAA
Conservation **.****.** ****:.**** ****.*** * ****.***** ***** **** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3665       3675       3685       3695       3705       3715
2c_SalI     ACGATTAAAG AATTAGAGGA AATGAATGAC GAAAGTAACA TAGCAAAAGA AGTAGAAGAA
2c_Thai     ACTCTTAAAG AATTAGAGGA AATGGATGAC GAAAGTAGCA TAACAAAAGA TGTAGACGTA
Conservation **..****** ********** ****.***** *******.** **.******* .*****.*.*

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3725       3735       3745       3755       3765       3775
2c_SalI     GCTCAAATAC AATACAAAAG AATTTTTATT GATCATGATG TTAATTTGAT GAATGATGAA
2c_Thai     GCTCAAATAC TATACAGAAG AATTTTTATT AATCATGCTG TTAATTTGAT GGATGATGAA
Conservation ********** .*****.*** ********** .******.** ********** *.********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3785       3795       3805       3815       3825       3835
2c_SalI     GTTGAAAAGT CCAAAACTGT GATGGAAGAA ATCGAATTAT ATAAAAAAGA AATTGACCAA
2c_Thai     GTTGAAAAGT CCAAAACTGT GATGGCAGAA ATCGAATTAT ATAAAAAAGA AATTGACGAA
Conservation ********** ********** *****.**** ********** ********** *******.**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3845       3855       3865       3875       3885       3895
2c_SalI     ATTAAAAAGA AAATGATTGA GTATAATAAA GCTGATACAT CTAATTTTGA TTATACAGTA
2c_Thai     ACTAAACAGA AAACGATTGA ATATAAGCAA GGTGATACAT CTAATTTTGA TTATACAAAA
Conservation *.****.*** ***.****** .***** .** *.******** ********** *******..*

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3905       3915       3925       3935       3945       3955
2c_SalI     CCATACAACA GTGCTACACA GAGTAAAGCT AAAATAGAAC AATTTATTAC GAATGCTAAA
2c_Thai     GAATACAACA ATGCTACACA GAGTAAAGCT AAAATAGAAA ATTTTATTGA AAATGTTAAG
Conservation ..******** .********* ********** *********. *.******.. .****.***.

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3965       3975       3985       3995       4005       4015
2c_SalI     ACAAAAAAAG GAACGTCTGA CGCCAGCCAA GATATAAAAG AATTAGAACG TATTAAAGAA
2c_Thai     ACAAAAAAAG GAACGTCTGA CACAAGCCAA AATATAAAAG AATTAGAAAG TATTAAAGAA
Conservation ********** ********** *.*.****** .********* ********.* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4025       4035       4045       4055       4065       4075
2c_SalI     GAGGTGCATA CTAATTTACA ACAAGTCAAA CTAGAAAATA ATTCTATGGA GGAAAAGCGA
2c_Thai     GAGGTGCATG ATAATTTACA ACAAGTCAAA CTAGAAAATG TTTCTATGGA GGAAATTCGA
Conservation *********. .********* ********** *********. .********* *****..***

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4085       4095       4105       4115       4125       4135
2c_SalI     AAACAAATTC ATAATATGAA AAATTTGCTA ATTTTGAACA ATTCTGAAAC CATAGCTAAA
2c_Thai     AAACAAATTC TTAATATGAA AAATTTACTA ATTTCGAACA ATTCTGAAAC CATAGCAAAA
Conservation ********** .********* ******.*** ****.***** ********** ******.***

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4145       4155       4165       4175       4185       4195
2c_SalI     GAAATATCAA ATAATACTCA AAACGCATTA AATTTTAGCC TGGATGCAAA AAAAGAACTT
2c_Thai     GAAATATCAA ATAATACTCA AAACGCATTA GGTTTTAGGG ATAATGCAAA AACAGAACTT
Conservation ********** ********** ********** ..******   ...******* **.*******
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4205       4215       4225       4235       4245       4255
2c_SalI     AAAAAAACAG ATGAACTATT ACAAAGTGTG GAAGCTAAGA TAGCTGAGGC AGAGGCACAT
2c_Thai     AATAAAACAA ATGAACTATT ACAAAGTGTG GAAGCTAAGA TAGCTGAGGC AGAGGCACAT
Conservation **.******. ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4265       4275       4285       4295       4305       4315
2c_SalI     AAAAAAAAAA TTGATATAGC TTTAGAAGAT GGACAAATAG ATACGGAGGT AAGCAAAATT
2c_Thai     AAAAAAAAAA TTGGCATAGC TTTAGAAGAT GGACAAATAG ACACGGAGGT AAGCGAAATT
Conservation ********** ***..***** ********** ********** * ******** ****.*****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4325       4335       4345       4355       4365       4375
2c_SalI     GAACAAATTA ATCAGGAAAT TATGAATAAG AGAGATGAAA TTAAATCCTA TTTAAGTGAA
2c_Thai     GAACAAATTA AGCGAGAAAT TATAAATAAA AAAAATGAAA TTGAATCCTA TTTAAATGAA
Conservation ********** * *..***** ***.*****. *.*.****** **.******* *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4385       4395       4405       4415       4425       4435
2c_SalI     ATAAAAAAAT ATAAAGAGAA ATGTACAACC GAAATCAGTA ATTCAAAAAG AGGAAAAGAT
2c_Thai     ATAAAAGAAT ATAAAGACAA ATGCACAACC GAAATCAGTA ATTCAAAAAG AGGAAAAGAT
Conservation ******.*** ******* ** *** ****** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4445       4455       4465       4475       4485       4495
2c_SalI     AAAATTGAGT TCTTGAAAAT ATTTAAGCCT AATGAAGATA GCAATCGGAA TAAGGTTAAC
2c_Thai     AAAATTGAGT TCTTGGAAAA ATTTAAGCCT AATGAGGAAA GCAATCGGAA TAAGGTTAAC
Conservation ********** *****.***. ********** *****.**.* ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4505       4515       4525       4535       4545       4555
2c_SalI     ATTAATGAAA TAGATGGAAA TATAAGCAAA TCTGAACAAT ACTTAACAGA TATAAAGGGC
2c_Thai     ATTAATGAAA TAAATGAAAA TATAAGAAAT TCTGAACAAT ACTTAAAAGA TATAGAAGAC
Conservation ********** **.***.*** ******.**. ********** ******.*** ****.*.*.*

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4565       4575       4585       4595       4605       4615
2c_SalI     ACAGAAAAAC AAGCTAATAC AAATGTAGAA CTATTCCATA ATCATGAAAC AAATATCAGT
2c_Thai     GCAGAAAAAC AAGCTAGTAC AAAAGTAGAA CTATTCCATA AACATGAAAC AACTATCAGT
Conservation .********* ******.*** ***.****** ********** *.******** **.*******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4625       4635       4645       4655       4665       4675
2c_SalI     AATATTTTCA AGCAATCTGA AATTTTAGGA GTAGAAACTA AATCAAAAAA AAAAATTAGA
2c_Thai     AATATTTTCA AGGAATCTGA AATTTTAGGA GTGGAAACTA AATCCCAAAA AAAAATTAAT
Conservation ********** ** ******* ********** **.******* ****..**** ********..

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4685       4695       4705       4715       4725       4735
2c_SalI     GAAGCAGATG ACATAATGAA AGAAATTGAG GGCCACAATT CTGAAATTCA AACACAGGTG
2c_Thai     AAAGCAGAAG ACATAATGAA AGAAATTGAG CGTCACAATT CTGAAATTCA AACACAGGTG
Conservation .*******.* ********** ********** .*.******* ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4745       4755       4765       4775       4785       4795
2c_SalI     AAGAGTTTCC AAGAAAATCT AAATAAATTG AACGAGCCCC ATAATTATGA CAACGCAGAA
2c_Thai     AAAGGTTTCC AAGAAAATCT AAATAAACTG AACGAGCCCC ATAATTATGA CAACGCAGAA
Conservation **..****** ********** *******.** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4805       4815       4825       4835       4845       4855
2c_SalI     GATGAACTTA ATAATGATAA ATCTACGAGT GCAAAGGTGC TTATACAGAC TAACTTAGAA
2c_Thai     GATGAACTTA ATAATGATAA ATCTACGAAT GCAAAGGTAC TTATAGAAAC TAACCTAGAA
Conservation ********** ********** ********.* ********.* ***** *.** **** *****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4865       4875       4885       4895       4905       4915
2c_SalI     AGTGTAAAAC ATAATTTATC CGAAATTACT AACATTAAAG ATGGAGGAGA AAACATATAC
2c_Thai     AGTGTAAAAC ATAATTTATC AGAAATTACT AATATTAAAC AGGGAGGAGA AAAAATATAC
Conservation ********** ********** .********* ** ******  *.******** ***.******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4925       4935       4945       4955       4965       4975
2c_SalI     AATAAAGCTA ATGATATCAT GCAAAAAATA AAAGCAATTT CAAAAAATTC TGCAGAGAAA
2c_Thai     AGTAAAGCTA AAGATATCAT GCAAAAAATA AAAGCAACTT CAGAAAATAC TGCAGAGAAA
Conservation *.******** *.******** ********** ******* ** **.*****.* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4985       4995       5005       5015       5025       5035
2c_SalI     ACTTTGGACA AGGTGAAAGA CGACCATTCT AATTATGTTA ATTATTTAGA TCAAATAATT
2c_Thai     ACTTTAGAGA AGGTGAAAGA CGACCAATCT AATTATGTTA ATTATTTAAA TCAAATAACC
Conservation *****.** * ********** ******.*** ********** ********.* ********..

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5045       5055       5065       5075       5085       5095
2c_SalI     ACAGAAAGAG ATCTTATCGT TACAGAAAAA AATAGACTTA ATGGTAAAGA TTCCACTATT
2c_Thai     ACAGAAAGAA ATCTTATCGT TACGGAAAAA AATAGACTAA ATGGTATAGA TTCCACTATT
Conservation *********. ********** ***.****** ********.* ******.*** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5105       5115       5125       5135       5145       5155
2c_SalI     AAAAATATAG AAGCGGCACT GAAAGAATCC AAAAAGAATT ACGAAATTGG ACTTTTGGAA
2c_Thai     ACAAATATAG AAGGGGCACT TAAAGAATCC AAAAAGAATT ATGAAATTGG ATTTTTGGAA
Conservation *.******** ***.******  ********* ********** *.******** *.********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5165       5175       5185       5195       5205       5215
2c_SalI     AAGTTAGAAG AAATAGGTAA AAATATAAAA TTAAAGGTTG ACATAACCAA AGAATCAATA
2c_Thai     AAGTTAGAAG AAATAGGTAA AAATAGAAAA TTAAAGGTTG ACATAACCAA AAAATCAATA
Conservation ********** ********** ***** **** ********** ********** *.********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5225       5235       5245       5255       5265       5275
2c_SalI     AATTCAACAG TGGGAAACTT TTCTTCCCTC TTCAACAATT TTGATTTAAA TCAATATGAC
2c_Thai     AATTCAACAG TGGGAAACTT TTCTTCCCTC TTCAACAATT TTGATTTAAA TCAATATGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5285       5295       5305       5315       5325       5335
2c_SalI     TTTAATAATA ATATAAATGA TTATAAAAAA AAAATGGGAG AAATATATAA CGAATTTGAA
2c_Thai     TTTAATAAAA ATATAAATGA TTATGAAAAT AAAATGGGAG AAATATATAA CGAATTTGAA
Conservation ********:* ********** ****.****. ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5345       5355       5365       5375       5385       5395
2c_SalI     GGATCATTAA ATAAAATTAG TGAAAATTTA AGAAATGCTT CAGAAAAAGC TTCAGATTAT
2c_Thai     GGATCATTAA ATAAAATTAG TGAAAATTTA AGAAATGCTT CGGAAAACAC TTCAGACTAT
Conservation ********** ********** ********** ********** *.*****..* ****** ***
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5405       5415       5425       5435       5445       5455
2c_SalI     AACTTAGCCA AAACACTGAG GCAAGATGCA CAGAAAGAAA AAGTTAATCT ATTAAATAAA
2c_Thai     AACTCAGCAA AAACACTGAG GCTAGAGGCA CAGAAAGAAA AAGTTAATCT ATTAAATAAA
Conservation **** ***.* ********** **.*** *** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5465       5475       5485       5495       5505       5515
2c_SalI     GAAGAAGAGG CAAATAAATA TTTAAGAGAT GTTAAAAAAG TGGAATCATT CAGATTTATA
2c_Thai     GAAGAAGAGG CAAATAAATA TTTAAGAGAT GTTAAAAAAG TGGAATCATT CAGATTTATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5525       5535       5545       5555       5565       5575
2c_SalI     CTTAATATGA AAGAAAGCCT AGATAAGATT AATGATATGA TTAAAACAGA AAAATTAACA
2c_Thai     TTTAATATGA AAGAAAGCTT AGATAAGATT AATGAGATGA TTAAAAAAGA ACAACTAACA
Conservation  ********* ******** * ********** ***** **** ******.*** *.**.*****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5585       5595       5605       5615       5625       5635
2c_SalI     GTCGATGAAG GACATGGTAA CGTTAAACAG CTAGTTGAAA ATATTAAAGA TTTAGTTGAT
2c_Thai     GTCAATGAAG GACAAGGTAA CGTTAAACAA CTAGTTGAAA ATATTAAAGA GTTAGTTGAT
Conservation ***.****** ****.***** *********. ********** **********  *********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5645       5655       5665       5675       5685       5695
2c_SalI     GAAAACAACT TATCAGATAT GTTAAAACAA GCATCAGGCA AAAATGACGA AATACAGAAA
2c_Thai     GAAAACAACT TATCAGATAT ATTAAAACAA GCGACGGGCA AAAATGAGGA AATACAGAAA
Conservation ********** ********** .********* **..*.**** *******.** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5705       5715       5725       5735       5745       5755
2c_SalI     ATAACGCACT CTATGCATAA AAATAAAGCA AAAACTATTT TAGGACACGT AGATACTTCT
2c_Thai     ATAACGCACT CTACGCTTAA AAATAAAGCA AAAACTATTT TAGGACACGT AGATACTTCT
Conservation ********** *** **.*** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5765       5775       5785       5795       5805       5815
2c_SalI     GCAAAATATG TAGGCATTAA AATAATGCCA GAGTTGGCAT TAACAGAATT GTTAGGAGAT
2c_Thai     GCAAAATATG TAGGCATTAA AATAACACCT GAGTTGGCAC TAACAGAATT GTTAGGAGAT
Conservation ********** ********** *****..**. *********. ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5825       5835       5845       5855       5865       5875
2c_SalI     TCAAATTTGA AAAATGCACA AGAATTAATA TTTGAGCCCA AAACTAATGT ACCACTAGAA
2c_Thai     GCAAAATTGA AAACTGCACA GGAATTAAAA TTTGAGTCAA AAAATAATGT AGTACTAGAA
Conservation  ****:**** ***.****** .*******.* ******.*.* ***.****** *..*******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5885       5895       5905       5915       5925       5935
2c_SalI     ACAGAACATA TGTCAAAGAA TACAAACGAA CTGGATGTTT ATAAAAATAT ACAGGATGCT
2c_Thai     ACAGAAAATA TGTCAAAGAA TACAAACGAA TTGGATGTTC ATAAAAATAT ACAGGATGCT
Conservation ******.*** ********** **********  ********  ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5945       5955       5965       5975       5985       5995
2c_SalI     TACAAGGTTG CATTGGAAAT ACTTGCCCAC TCAGACGAAA TAGATACAAA ACAAAAAGAC
2c_Thai     TACAAGGTTG CACTGGAAAT ACTTGCCCAC TCAGACGAAA TAGATACAAA ACAAAAAGAC
Conservation ********** ** ******* ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6005       6015       6025       6035       6045       6055
2c_SalI     AGTTCTAAAT TAATAGAAAT GGGAAACGAA ATATATCTTA AGGTTGTGCT AATAAATCAA
2c_Thai     AGTTCTAAAT TAATAGAAAT GGGAAACGAA ATATATCTTA AAGTTGTGCT AATAAATCAA
Conservation ********** ********** ********** ********** *.******** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6065       6075       6085       6095       6105       6115
2c_SalI     TACAAAAATA AAATAAGCTC TATAAAAATT AAGGAAGAAG CTGTTTCAGG CAAAATAGAC
2c_Thai     TACAAAAATA AAATAAGCTC TATAAAAATT AAGGAAGAAG CTGTTTCAGG CAAAATAGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6125       6135       6145       6155       6165       6175
2c_SalI     AATGTTTCCA AAAAACATAG TGAGTTAAGC AAAATTACAT GCAGCGATAA AACTTACGAT
2c_Thai     AATGTTTCCA AAAAACATAG TGAGTTAAGC AAAATTACAT GCAGCGATAA AACTTACGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6185       6195       6205       6215       6225       6235
2c_SalI     AACATCATAG CGTTAGAGAA ACAAACTGAA TTACAAGATC TACGCAATTC TTTCACGCAA
2c_Thai     AACATCATAG CGTTAGAGAA ACAAACTGAA TTACAAGATC TACGCAATTC TTTCACGCAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6245       6255       6265       6275       6285       6295
2c_SalI     GAAAAGACCG AAACGAATAG CGATTCGAAG TTGGAAACAA TTACAAAAGA TTTCGAAAGT
2c_Thai     GAAAAGACCG AAACGAATAG CGATTCGAAG TTGGAAACAA TTACAAAAGA TTTCGAAAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6305       6315       6325       6335       6345       6355
2c_SalI     TTGAAAAATG CATTAAAAAC ACTGGAAGGA GAAGTTAATG CTCTAAAAGC AAGCTCGAAC
2c_Thai     TTGAAAAATG CATTAAAAAC ACTGGAAGGA GAAGTTAATG CTCTAAAAGC AAGCTCGAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6365       6375       6385       6395       6405       6415
2c_SalI     GATCATGAAT ATGTAAAAGG TAAAAGTGCA CCAATAAATG CTGTGCAAAC CGAAATGGAA
2c_Thai     GATCATGAAT ATGTAAAAGG TAAAAGTGCA CCAATAAATG CTGTGCAAAC CGAAATGGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6425       6435       6445       6455       6465       6475
2c_SalI     AAGACAGAAA CAGGCATAGA TAGCCTTGAT ACGGCCCTTG ATGAATTATT ACAAAAAGGA
2c_Thai     AAGACAGAAA CAGGCATAGA TAGCCTTGAT ACGGCCCTTG ATGAATTATT ACAAAAAGGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6485       6495       6505       6515       6525       6535
2c_SalI     AGGAAATGCG AAGTATCTAG GTACACATTG ATAAAGGATA CCGTTGTCAA AGAAATAAGT
2c_Thai     AGGAAATGCG AAGTATCTAG GTACACATTG ATAAAGGATA CCGTTGTCAA AGAAATAAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6545       6555       6565       6575       6585       6595
2c_SalI     GATGACACCG AATTAATCAA CACTATAGAG AAGAATGTTA AAGCATACTT GGCATATGTT
2c_Thai     GATGACACCG AATTAATCAA CACTATAGAG AAGAATGTTA AAGCATACTT GGCATATGTT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6605       6615       6625       6635       6645       6655
2c_SalI     AAAAAAAATT ATGAAGACAC AGTGCAGGAT GTTCTCACAT TAAATGAACA TTTCAAAGAA
2c_Thai     AAAAAAAATT ATGAAGACAC AGTGCAGGAT GTTCTCACAT TAAATGAACA TTTCAAAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6665       6675       6685       6695       6705       6715
2c_SalI     AAACAGGTAA GTAATCACGA GCCAACTAAT TTTGATAAAT CAAATAAGTC ATCCGAAGAG
2c_Thai     AAACAGGTAA GTAATCACGA GCCAACTAAT TTTGATAAAT CAAATAAGTC ATCCGAAGAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6725       6735       6745       6755       6765       6775
2c_SalI     TTAACTAAAG CTGTTACTGA CTCAAAAACA ATAATAAGTA AACTAAAAGG TGTAATTATA
2c_Thai     TTAACTAAAG CTGTTACTGA CTCAAAAACA ATAATAAGTA AACTAAAAGG TGTAATTATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6785       6795       6805       6815       6825       6835
2c_SalI     GAAGTTAACG AAAACACTGA AATGAACACT ATAGAAAGCA GTGCAAAAGA AATTGAAGCT
2c_Thai     GAAGTTAACG AAAACACTGA AATGAACACT ATAGAAAGCA GTGCAAAAGA AATTGAAGCT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6845       6855       6865       6875       6885       6895
2c_SalI     CTCTATAACG AATTAAAAAA TAAAAAAACA TCATTAAACG AAATTTATCA AACATCAAAT
2c_Thai     CTCTATAACG AATTAAAAAA TAAAAAAACA TCATTAAACG AAATTTATCA AACATCAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6905       6915       6925       6935       6945       6955
2c_SalI     GAAGTTAAAT TGCAAGAAAT GAAATCAAAT GCTGATAAAT ACATCGATGT ATCTAAAATA
2c_Thai     GAAGTTAAAT TGCAAGAAAT GAAAACAAAT GCTGATAAAT ACATCGATGT ATCTAAAATA
Conservation ********** ********** ****:***** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6965       6975       6985       6995       7005       7015
2c_SalI     TTTAACACTG TATTAGACAC TCAAAAGTCA AATATAGTAA CTAATCAACA TAGCATAAAC
2c_Thai     TTTAACACTG TATTAGACAC TCAAAAGTCA AAAATAGTGG CTAATCAAAA TAGTATAAAC
Conservation ********** ********** ********** **:*****.. ********.* *** ******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7025       7035       7045       7055       7065       7075
2c_SalI     AATGTTAAAG ACAAATTAAA AGGAAAGCTA CAGGAATTAA TTGACGCTGA CAGTTCATTT
2c_Thai     AGTGTTAAAG GCCAATTAAA CGGAAAGCTA AAGGAATTAA TTCAGGCTGA CAGCTCATTT
Conservation *.******** .*.******* .********* .********* ** * ***** *** ******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7085       7095       7105       7115       7125       7135
2c_SalI     ACATTAGAGT CCATTAAAAA GTTTAACGAA ATATATAGTC ATATTAAGAC TAATATAGGT
2c_Thai     ACATTAGAGT CCATTAAAAA GTTTAACGAA ATATATAGTC ATATTAAGAC TAATATAGGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7145       7155       7165       7175       7185       7195
2c_SalI     GAACTAGAAC AGTTACAACA AACTAATAAA AGTGAACATG ATAATGTCGC AAAGCACAAA
2c_Thai     GAACTAGAAC AGTTACAACA AACTAATAAA AGTGAACATG ATAATGTCGC AAAGCACAAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7205       7215       7225       7235       7245       7255
2c_SalI     GAAAAAATTG TACATTTAAT AAACAGGGTA GAAAGTTTGA AAGGTGATGT GAAAAATCAT
2c_Thai     GAAAAAATTG TACATTTAAT AAACAGGGTA GAAAGTTTGA AAGGTGATGT GAAAAATCAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7265       7275       7285       7295       7305       7315
2c_SalI     GATGATGACC AATATATGAA AAAATTAAAT GCTAGTCTAT TAAATGATAA TATTAAAAAT
2c_Thai     GATGATGACC AATATATGAA AAAATTAAAT GCTAGTCTAT TAAATGATAA TATTAAAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7325       7335       7345       7355       7365       7375
2c_SalI     ACAACGAATT CTATAAACAT ATCAGATGAA GAACTTAAGA AACTATTGAA AAAAGTTGAA
2c_Thai     ACAACGAATT CTATAAACAT ATCAGATGAA GAACTTAAGA AACTATTGAA AAAAGTTGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7385       7395       7405       7415       7425       7435
2c_SalI     GAGAATGATC AGCTATGTAA AAATAACAAT ACGCAGAACT TCATTTCGGA CATTATGAAA
2c_Thai     GAGAATGATC AGCTATGTAA AAATAACAAT ACGCAGAACT TCATTTCGGA CATTATGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7445       7455       7465       7475       7485       7495
2c_SalI     CGTGTAGAAG ACTTGAATAG ACGATTTACA GAAAATTTAC CGGAAAAAGA AAAACTTCAT
2c_Thai     CGTGTAGAAG ACTTGAATAG ACGATTTACA GAAAATTTAC CGGAAAAAGA AAAACTTCAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7505       7515       7525       7535       7545       7555
2c_SalI     CAAATTGAAA ACAACTATAA TGAAATTAGT TCAATATTTA GTGAAATAAA CTTACAAGAC
2c_Thai     CAAATTGAAA ACAACTATAA TGAAATTAGT TCAATATTTA GTGAAATAAA CTTACAAGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7565       7575       7585       7595       7605       7615
2c_SalI     GTCGATGAAT TTGTTGCAAA AATTCACAAA CAAATTGATG CTGAAAAGGC AAGCGTAAAT
2c_Thai     GTCGATGAAT TTGTTGCAAA AATTCACAAA CAAATTGATG CTGAAAAGGC AAGCGTAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7625       7635       7645       7655       7665       7675
2c_SalI     AATGTAAGAG AGGCTGAAAA AATAAGGACC GCAATCCAAA ATGTTACAAG TTATGATACA
2c_Thai     AATGTAAGAG AGGCTGAAAA AATAAGGACC GCAATCCAAA ATGTTACAAG TTATGATACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7685       7695       7705       7715       7725       7735
2c_SalI     GAAATAATAA GTAGACTATC TGAAATGAAT AATGTACTAG AAAGGATTAC TACACGGAAA
2c_Thai     GAAATAATAA GTAGACTATC TGAAATGAAT AATGTACTAG AAAGGATTAC TACACGGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7745       7755       7765       7775       7785       7795
2c_SalI     ACAAAAATGG ATCAATTATT AAAATCATTG TCCCCAGATA ATACAAGTCT AAATTTAAAT
2c_Thai     ACAAAAATGG ATCAATTATT AAAATCATTG TCCCCAGATA ATACAAGTCT AAATTTAAAT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7805       7815       7825       7835       7845       7855
2c_SalI     GCAAGAACAC ACGTAAGGAA ATCAGAAGAC ATAATTAAAC AGCTAAATAG CCATATAGAA
2c_Thai     GCAAGAACAC ACGTAAAGAA CTCAGAAGAC TTAATTAATA GGCTAAATAG CCATATAGAA
Conservation ********** ******.*** .********* .*******. .********* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7865       7875       7885       7895       7905       7915
2c_SalI     AAAATAACAG AACTAAATAC ATATGCCCAT GAAGTAATGA CATACTTAGA AAATGAACTA
2c_Thai     AAAATAACAA AACTAAATAC ACATGCCCAC GAAGTAATGA CATACTTAGA AAATGAACTA
Conservation *********. ********** *.*******  ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7925       7935       7945       7955       7965       7975
2c_SalI     AATAAATTAT TAAAACAACT TGAAATTGAA AGTGCAAAAG TTGAGCCTGA AGCTTTGCCA
2c_Thai     AGTAAATTAT TAAAACAACT TGAAATTGAA AGTGCAAAAG TTGAGCCTGA AGCTTTGCCA
Conservation *.******** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7985       7995       8005       8015       8025       8035
2c_SalI     AGTGATACGG AAGTAAAAGA AGAAAAAGTT CCACCAACGG TAACAGAAAA TGGTCCACAA
2c_Thai     AGTGATACGG AAGTAAAAGA AGAAAAAGTT CCACCAACGG TAACAGAAAA TGGTCCACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8045       8055       8065       8075       8085       8095
2c_SalI     GAGAATTTGA CAAGCGTTCC CCAAGAGACA TTAGAAGATA ACACACCACA GATCCAAGAA
2c_Thai     GAGAATTTGA CAAGCGTTCC CCAAGAGACA TCAGAAGATA ACACACCACA GATCCAAGAA
Conservation ********** ********** ********** * ******** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8105       8115       8125       8135       8145       8155
2c_SalI     AATGTTGTAC AAGAGGATTC AGTAATCGCT CCTCAGGAGC AAGTAGAATA TAGTACACTA
2c_Thai     AATGTTGTAC AAGAGGATTC AGTAATCGCT CCTCAGGAGC AAGTAGAATA TAGTACACTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8165       8175       8185       8195       8205       8215
2c_SalI     GCGGTACCAG AAAATGATGA AACAACAGAA GAAGAAAGTG AACATGACGA TGCGCATGAC
2c_Thai     GCGGTACCAG AAAATGATGA AACAACAGAA GAAGAAAGTG AACATGACGA TGCGCATGAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8225       8235       8245       8255       8265       8275
2c_SalI     GATACGCATG ACGAATCACA AACTGGAAGG GATTCAACGG CAAAAGAAGC AATTGGAAAG
2c_Thai     GATACGCATG ACGAATCACA AACTGGAAGG GATTCAACGG CAAAAGAAGC AATTGGAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8285       8295       8305       8315       8325       8335
2c_SalI     ACTCGTTTAG CAGGAGCTGT TATTATTGCC ATGTCTGTTT TATCCGGATT TATTATAATA
2c_Thai     ACTCGTTTAG CAGGAGCTGT TATTATTGCC ATGTCTGTTT TATCCGGATT TATTATAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8345       8355       8365       8375       8385       8395
2c_SalI     GTATTTAAAG ATAAAGATGA AGAAGAAAAG GATCACAACG AACACGGATA TAACGAAGCA
2c_Thai     GTATTTAAAG ATAAAGATGA AGAAGAAAAG GATCACAACG AACACGGATA TAACGAAGCA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8405       8415       8425       8435       8445       8455
2c_SalI      TTTGGAGAAC ATGACGAATA TAATATGCAT GATAAAGAAG AAGTTATCGA AGTTTGCTTT
2c_Thai      TTTGGAGAAC ATGACGAATA TAATATGCAT GATAAAGAAG AAGTTATCGA AGTTTGCTTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|
                8465       8475
2c_SalI      AATGAAGAAG ATTAA
2c_Thai      AATGAAGAAG ATTAA
Conservation ********** *****
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Alignment: Pvrbp2p1

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
2p1_SalI     ATGGAAAAAA ATATCCTGTG GGTAATCTTT TACAATTTCC TGTTTATTCT TTTGGCATCA
2p1_Thai     ATGGAAAAAA ATATCCTGTG GGTAATCTTT TACAATTTCC TGTTTATTCT TTTGGCATCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                65         75         85         95        105        115
2p1_SalI     TGTAAGGACA CACATCGAAG CAAACCTAGC AGACTAAAAC ATGACCATAA TTTATTACCA
2p1_Thai     TGTAAGGACA CACATCGAAG CAAACCTAGC AGACTAAAAC ATGACCATAA TTTATTGCCA
Conservation ********** ********** ********** ********** ********** ******.***

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               125        135        145        155        165        175
2p1_SalI     AATTACGCTA ATTTAATGAG GGATGATCAA AACGGACAAA ACAGTGAAAA CAGAGGAGAC
2p1_Thai     AATTACGTTA ATTTAATGAA GGATGATCAA AACGGACAAA ACAGTGAAAA CAGAGGAGAC
Conservation *******.** *********. ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               185        195        205        215        225        235
2p1_SalI     AACATAAACA ATCACAATAA AAACCATAAC GATCAGAACA ACCATAATGG TAATAATGAT
2p1_Thai     AACATAAACA ATCACAATAA AAACCATAAC GATCAGAACA ACCATAATGG TAATAATGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               245        255        265        275        285        295
2p1_SalI     AACAGCATTA ATAGTGAATA CCTAAAAACG TCACATCTAC AGAATAGTTC GGCCATGGTA
2p1_Thai     AACAGCATTA ATAGTGAATA CCTAAAAACT TCACATCTAC AGAATAGTTC GGCCATGGTA
Conservation ********** ********** *********. ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               305        315        325        335        345        355
2p1_SalI     CACCTAAACG ATCATAAAAT TACAACAAAG CCAGCTCGCT ATTCTTACAT ACAAAGAAGC
2p1_Thai     CACCTAAATG ATCATAAAAT TACAACAAAG CCAGCTCGCT ATTCTTACAT ACAAAGAAGC
Conservation ******** * ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               365        375        385        395        405        415
2p1_SalI     AAAATATATG CCTTTAACCC AAATAATAAA AAAATAGAAA ATATTAATAA CGAATTGCAT
2p1_Thai     AAAATATATG CACTTAACCC AAATAATAAA AAAATAGAAA ATATTAATAA CGAATTGCAT
Conservation ********** *..******* ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               425        435        445        455        465        475
2p1_SalI     AGTGTTCCAA ATTCATTTGT TCAGTATTAT GTATACACCA ATCTAAATGT TATAGTACAA
2p1_Thai     AGTGTTCCAA ATTCATTTGT TCAGTATTAT GTATACACCA ATCTAAATGC TACAGTATAT
Conservation ********** ********** ********** ********** *********. **.****.*.

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               485        495        505        515        525        535
2p1_SalI     AAGATGCGTT ACATTAGTAT CATCGATGAG TATAATAATA TAATTTCTTT GCATCTGCCT
2p1_Thai     AAGATGCGTT ACATTAGTAT CTTCGATGAG TATAATAATA TAGTTTCTTT GCATCTGCCT
Conservation ********** ********** *:******** ********** **.******* **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               545        555        565        575        585        595
2p1_SalI     TATCATGCTA GAGTATATTA CTTAATGGAA TTAAAAAATT ATTCAGTGGC TCATAAAGAA
2p1_Thai     TATCATGCTA GAGTAAATTA CTTAATGGAA ATAAAAAATT ATTCAGTGGC TTATAGAGAA
Conservation ********** *****:**** ********** .********* ********** *.***.****
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               605        615        625        635        645        655
2p1_SalI    TTACAGAGTT ATGTTTATAG TTATTATGAT CCACAAATAG ACAAAGTTTT CAAGGCTGCA
2p1_Thai    TTACAGAGTG ATGTTTATAG TTATTATGAT CCACAAATAG ACAAAGTTTT CAAGGTTGCA
Conservation *********. ********** ********** ********** ********** *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               665        675        685        695        705        715
2p1_SalI    GAGAAAAATG GCTTTGTCTG TGAAAATGAC ATAAACAATT TATATAATAT AGTAACTCAT
2p1_Thai    GAGAAAAATG CAATTGTCTG TGAAAAGTAC ATAAACAATT TATATAATAC AGTAACTCGT
Conservation ********** ...******* ******..** ********** *********  ********.*

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               725        735        745        755        765        775
2p1_SalI    TTAGAAAATC CAGAACACTA TAAAAATAAG AGATACAATT ATTCCAAAGA CAGAGAAAAA
2p1_Thai    TTAGAAAATC CAGAACAATT TAAAAATAAC AGAGACAATT ATTCCAAAGA AATAAAAGAA
Conservation ********** *******.*. *********. ***.****** ********** .*.*.**.**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               785        795        805        815        825        835
2p1_SalI    TTCCAAAAAC AACTTTCGTC CGTTCATGGC TGCTTATTAA CAAATCATAA ACAAAATTAC
2p1_Thai    TACCAAAAAC AACTTACGTC CCTTCATGAT TGCTTATTTG AAAATCATAG ACCAAATTAC
Conservation *:******** *****.**** *.******.. ********.. .********. **.*******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               845        855        865        875        885        895
2p1_SalI    AAAGACATGA TATATGCTGA CACAACAATT TTCGATTATT TACATTATAT ATACTGTTAT
2p1_Thai    AAAGACATAA TATATGCTGA TACAACAATT TTCGATTCTT TACAAAATAT ATACTGTTAT
Conservation ********.* **********  ********* *******.** ****..**** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               905        915        925        935        945        955
2p1_SalI    CCGGAAGATA AATGTTCATC AAAATATTAT CGTGATATGC TTAATATATC TATGGGAAAA
2p1_Thai    TCGGAAGATA AATGTCTATC AAAATTGTAT CGTGATATGC TTGGTTTATC TATGAAAAAA
Conservation  ********* *****..*** *****..*** ********** **..*.**** ****..****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               965        975        985        995       1005       1015
2p1_SalI    ATTAATGAAT ATGAACAGAA AAAAAAAAAT GAAGCTATAA ATAAAATTAT TGATGTACAC
2p1_Thai    ATTAATGAAT ATGAACAGAA AAAAAAAAAT GAAGATATAA ATAAAATTAT TAATATACAC
Conservation ********** ********** ********** ****.***** ********** *.**.*****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1025       1035       1045       1055       1065       1075
2p1_SalI    GAAACTGGTG CATATGTAAT GAGGAAAATA AAAGAAGAAT TAAATCCAAG CTTAAATTCT
2p1_Thai    GATACTGCTG TAGATGTAAT GAGGAAAATA AAAAGGGAAT TAAATCCAAG CTTAAATTCT
Conservation **.****.** .*.******* ********** ***...**** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1085       1095       1105       1115       1125       1135
2p1_SalI    GATGTGGCAG ATTTCGTAAT AGATGAAATT AAATATATTA TAGAGAGACT TAATGCACAC
2p1_Thai    GATGTGGCAG ATTTCGTAAT AGGTGAAATT AAATATATTA TAGAGAGACT TAAGGCACAC
Conservation ********** ********** **.******* ********** ********** ***.******

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1145       1155       1165       1175       1185       1195
2p1_SalI    TCAGAAAAAA TAAAATGTGC ATCCGATTTT ATAAAACATA TATATAAAGA AAAAGTGCAG
2p1_Thai    TCAGAAAAAA TTAAAAGTGC ATCCGATTTG GTAAAATATA TAAATCAAGA AACTGTGCCG
Conservation ********** *.***.**** *********. .*****.*** **.**.**** **..****.*
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1205       1215       1225       1235       1245       1255
2p1_SalI    AACGAAATCT CAAAAAATGA GCTTGAAAGT AATTATATTG TATTAAGTAT TCACCACGGT
2p1_Thai    AACGAAATCT CAAAAAATGA GATTAAAAGT AATTATATTG TGTTAGCTAT TCACACCGGT
Conservation ********** ********** *.**.***** ********** *.***..*** ****..****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1265       1275       1285       1295       1305       1315
2p1_SalI    TCTTTTCGTT TTAGTACTGA ACATGTAATC ATGTTAGAGG AAATATTCAA AAGTAAAGAA
2p1_Thai    TCCTTTCTTT TTAGTACTGA ACATGTAAAA ATGTTAGAGG AAATATTCAA AAGTAAAGAA
Conservation **.****.** ********** ********.. ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1325       1335       1345       1355       1365       1375
2p1_SalI    CAAATACTTC ACAACATTTG CAGCAAATTT TTGAATGAGT TGAAAAACAA AATAACTGCT
2p1_Thai    CAAATACTTT ACAAAATTTG TAGTAAATTT TTGAATGACT TGAAAAACAG AATAACTACT
Conservation *********. ****.*****  **.****** ********.* *********. *******.**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1385       1395       1405       1415       1425       1435
2p1_SalI    CTTATAAATT CGGAATATTC TTCATCAAAA TGCACTCCTA TTGTTTCTAC TTGTGAAGAA
2p1_Thai    CTGATAAATT CGGAATATTC TTCATCAAAC TGCACTCCTA TTGTTTCTAC TTGTGAAGAA
Conservation **.******* ********** *********. ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1445       1455       1465       1475       1485       1495
2p1_SalI    GCCAAAACAT CCTTAGAATC CTTGCGTACT TCGAGCACCG AAAAACTAGG TAAGCATGAT
2p1_Thai    GCCAAAAAAT CCTTAGAATC CTTGCGTACT TCGAGCACCG GAAAACTAGG TAAGCATGAT
Conservation *******.** ********** ********** ********** .********* **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1505       1515       1525       1535       1545       1555
2p1_SalI    CTAAATTCAA AGCCGGAAAT TGCATCAGTT AAACAGAGTT ATGATGGGAA AATGATTAAA
2p1_Thai    CTAAATTCAA AGCCGGAAAT TGCATCAGTT AAACAGAGTT ATGATGGGAA AATGATTAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1565       1575       1585       1595       1605       1615
2p1_SalI    TTAGCAGAAG CTATAAAAAG AGCCGAAGAA ATAATCAATT CTGTAAAGGA CATCGTTCAG
2p1_Thai    TTAGCAGAAG CTATAAAAAG AGCCGAAGAA ATAATCAATT CTGTAAAGGA CATCGTTCAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1625       1635       1645       1655       1665       1675
2p1_SalI    TTTAACACAA CCGAAACAGA TACTATGAAA AAGGAAACAG ATAGAATAAT ATCCCTAAAT
2p1_Thai    TTTAACACAA CCGAAACAGA AGCAAAGAAA AAGGAAACAG ATAG---CAT ACCCCAAAAT
Conservation ********** ********** ..*.*.**** ********** ****   .** * ***.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1685       1695       1705       1715       1725       1735
2p1_SalI    ATAAATCCAC TATCGAAGGA TAAAATGCTT TTAGAAGTAA TAGATTCAAT AAAAAAACAA
2p1_Thai    ATAAATGCAC TAGAGAAGGA TAAAAAACTT TTAGAAGTAA TAGATGCAAT AAAAAAACAA
Conservation ****** *** **..****** *****..*** ********** ***** **** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1745       1755       1765       1775       1785       1795
2p1_SalI    AAAGAAAAAA TATCGGAAAA TTCTAACAAA ATAAAAGAAT CTTCTGACGC AGCTGATGCT
2p1_Thai    AAACAAAAAA TATCGGAAAA TTCTAACAAA ATAAAAGAAT TTTCTGGTGC AGCTGATACT
Conservation *** ****** ********** ********** ********** .*****. ** *******.**
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1805       1815       1825       1835       1845       1855
2p1_SalI     TTAAAAGCTG AAGTTGAAGA ATTAAAGAAA GGTATTGATG AAGATGTGAA TAAAATATTA
2p1_Thai     TTAAAAGCTG AAGTCGAAGA ATTAAAGAAA GGTATTGATG AAGATGTTAA TAAAATATTA
Conservation ********** **** ***** ********** ********** *******.** **********


             ....|....| ..
                1865
2p1_SalI     AAGCCATTCT AA
2p1_Thai     AAGCCATTCT AA
Conservation ********** **
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Alignment: Pvrbp2d

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
2d_SalI      ATGGAAAAAA GAGCCTTTTG GATCATCTTT TACAATTTAA TATTTATTTT TTTCGCATCA
2d_Thai      ATGGAAAAAA AAGCCCTTTG GATCATCTTT TACAATTTCA TACTTATTCT TTTCGCATCA
Conservation ********** .**** **** ********** ********.* ** ***** * **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                65         75         85         95        105        115
2d_SalI      TGTAAGGATG TCAATCGAAA CAAACCCGGA AGACTAAAAT ATCATCGGAA GCTATTACCA
2d_Thai      TGTAAGGATG TCAATCGAAA CAAACCCGGA AGACTAAAAT ATCATCGGAA GCTATTACCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               125        135        145        155        165        175
2d_SalI      GCATATGTTA ACTTAATGAG CCCTGATAAA GACGGATATA AGGGTGCCGA AAAGGATGAT
2d_Thai      GCATATGTTA ACTTAATGAG CCCTGATAAA GACGGATATA AGGGTGCCGA AAAGGATGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               185        195        205        215        225        235
2d_SalI      AAGGCAAATA ATCATAACGA CAACAATAAT GGCAACAATA ATGACAACAA TAATAATAGT
2d_Thai      AAGGCAAATA ATCATAACGA CAACAATAAT GGCAACAATA ATGACAACAA TAATAATAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               245        255        265        275        285        295
2d_SalI      GACAATAATG ATGAAAACAG TAATAATAGT GAAAATCTCA GAACGTCAAA TTTACAAAAT
2d_Thai      GACAATAATG ATGAAAACAG TAATAATAGT GAAAATCTCA GAACGTCAAA TTTACAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               305        315        325        335        345        355
2d_SalI      AGTTCATCAG TGGGGCATTT AAACAACCAC GAAGATACAA CGAAACCATC CCATTACTCT
2d_Thai      AGTTCATCAG TGGGGCATTT AAACAACCAC GAAGATACAA CGAAACCATC CCATTATTCT
Conservation ********** ********** ********** ********** ********** ****** ***

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               365        375        385        395        405        415
2d_SalI      TACTTGAAAA AAAGCAACAT ATATGCACCG GATGCAAAGA ATAATAAAAT GGAAGATGAT
2d_Thai      TACTTGAAAA AAAGCAACAT ATATGCACCG GATGCAAAGA ATAATAAAAT GGAAGATGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               425        435        445        455        465        475
2d_SalI      AATAAAAAAT TGCATACTGT TTCAAATTCC TTCATTCAAA ATAGTAAACA AGCCCAAAAT
2d_Thai      AATAAAAAAT TGCATACTGT TTCAAATTCC TTCATTCAAA ATAGTAAACA AGCCCAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               485        495        505        515        525        535
2d_SalI      ATAATTGCAA CTAATAATTT GGATTATATT AGTGCCATTG ATGATTATAA CAATATAATT
2d_Thai      ATAATTGCAA CTAATAATTT GGATTATATT AGTGCCATTG ATGATTATAA CAATATAATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               545        555        565        575        585        595
2d_SalI      TCTTCATTTC AACCATATCA TGCTAGTGTA TATTACTTGA ATGAATTGAA ATACTATGCA
2d_Thai      TCTTCATTTC AACCATAACA TGCTAGTGTA TATTACTTGA ATGAATTGAA ATACTATGCA
Conservation ********** *******.** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               605        615        625        635        645        655
2d_SalI     ACACATTACA ATGAATTGAA GGTTCTTGTT CAAAAAGATG TCATTCCTCA AGTAACACAC
2d_Thai     ACACATTACA ATGAATTGAA GGTTCTTGTT CAAAAAGATG TCATTCCTCA AGTAACACAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               665        675        685        695        705        715
2d_SalI     ATTACCAATA TTGTTGAGAA AAACGTTAAG ATCTGTTTGG AGAAAACACA TGAATTGAAT
2d_Thai     ATTACCAATA TTGTTGAGAA AAACGTTAAG ATCTGTTTGG AGAAAACACA TGAATTGAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               725        735        745        755        765        775
2d_SalI     ACATTAATAA CTCAATTAGA AAATCCACAA ACATATAATA TTCAAAGAAG CCATTATAGT
2d_Thai     ACATTAATAA CTCAATTAGA AAATCCACAA ACATATAATA TTCAAAGAAG CCATTATAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               785        795        805        815        825        835
2d_SalI     AATAGAGTAA AAGATTACCG TAAGAAAATT GAGGATATTC AAAATTGTTT AAAATTAAAT
2d_Thai     AATAGAGTAA AAGATTACCG TAAGAAAATT GAGGATATTC AAAATTGTTT AAAATTAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               845        855        865        875        885        895
2d_SalI     TATAAAAGAA ATGTTAAAGC TACAGTATTT GCCACAATAA TATGGTTCCA GACACTAATT
2d_Thai     TATAAAAGAA ATGTTAAAGC TACAGTATTT GCCACAATAA TATGGTTCCA GACACTAATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               905        915        925        935        945        955
2d_SalI     AAAATGGAAT GTAGTTGGTG GACCAAATCA TGTTCAACGA GAATCTATTA TAATATGATT
2d_Thai     AAAATGGAAT GTAGTTGGTG GACCAAATCA TGTTCAACGA GAATCTATTA TAATATGATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               965        975        985        995       1005       1015
2d_SalI     AAGATGTATA CATTAAAAAT TAAGGAGTAT AAAATCAAAA AACCAACTGC ATATATGGAT
2d_Thai     AAGATGTATA CATTAAAAAT TAAGGAGTAT AAAATCAAAA AACCAACTGC ATATATGGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1025       1035       1045       1055       1065       1075
2d_SalI     AAAATAAAGG CTGTTTATAA GTTAGCTAAT GATACAATAT GGAGAATAAA AGTAGAATTA
2d_Thai     AAAATAAAGG CTGTTTATAA GTTAGCTAAT GATACAATAT GGAGAATAAA AGTAGAATTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1085       1095       1105       1115       1125       1135
2d_SalI     AACTCAAATC TTGATTCGGA TACAACCGAC TTTATTCTAG AAGAATTTAA ATACATTATA
2d_Thai     AACTCAAATC TTGATTCGGA TACAACCGAC TTTATTCTAG AAGAATTTAA ATACATTATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
              1145       1155       1165       1175       1185       1195
2d_SalI     GAAAAGTATA ATGGTCACAT TGATAAAATT AATTTGGGAA CTTCTTATAT AGATCATATT
2d_Thai     GAAAAGTATA ATGGTCACAT TGATAAAATT AATTTGGGAA CTTCTTATAT AGATCATATT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1205       1215       1225       1235       1245       1255
2d_SalI      CATGAACAAG AAGGAACTTT GAATAATACT AAAATAGAAA TTATAACTTT GTATTCTGTG
2d_Thai      CATGAACAAG AAGGAACTTT GAATAATACT AAAATAGAAA TTATAACTTT GTATTCTGTG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1265       1275       1285       1295       1305       1315
2d_SalI      ATAGCTAATC GTTACACTGC TTTTAAATTT AGTTTAGAAC ATATAAATAT GTTTGAAAAT
2d_Thai      ATAGCTAATC GTTACACTGC TTTTAAATTT AGTTTAGAAC ATATAAATAT GTTTGAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1325       1335       1345       1355       1365       1375
2d_SalI      ACATCCAAAA GTAAAGAACA GGTACTTTAT AACTCTTTTA GCAAATTTGA GGATAGATTA
2d_Thai      ACATCCAAAA GTAAAGAACA GGTACTTTAT AACTCTTTTA GCAAATTTGA GGATAGATTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1385       1395       1405       1415       1425       1435
2d_SalI      CAAAAGAAAA TAAACGATCT TATTAATTCT GAATTTTCTA TATCAACCGT TAACTCTGTC
2d_Thai      CAAAAGAAAA TAAACGATCT TATTAATTCT GAATTTTCTA TATCAACCGT TAACTCTGTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1445       1455       1465       1475       1485       1495
2d_SalI      ATTTTGGATT CCGAAAAAAA TATACAATTA TCAGAATCAT TACTCAACTC GAGTTCTAAA
2d_Thai      ATTTTGGATT CCGAAAAAAA TATACAATTA TCAGAATCAT TACTCAACTC GAGTTCTAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1505       1515       1525       1535       1545       1555
2d_SalI      GAAATAGCAC AACATGAAAT TAAATTAAAT GCGGAAATTG AAAAGAAAAA AAAAGATTAT
2d_Thai      GAAATAGCAC AACATGAAAT TAAATTAAAT GCGGAAATTG AAAAGAAAAA AAAAGATTAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1565       1575       1585       1595       1605       1615
2d_SalI      GATCAAAAAA TTATAAGAGC AAGAGAAACT ATAAAAAAAT CAAAGGAATT AATTACATCT
2d_Thai      GATCAAAAAA TTATAAGAGC AAGAGAAACT ATAAAAAAAT CAAAGGAATT AATTACATCT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1625       1635       1645       1655       1665       1675
2d_SalI      GTAAAAAACG CATTTAAGTT AAGTTTAGAA GAAAAGGAAA AGATAGAAAA GAAAGTAACA
2d_Thai      GTAAAAAACG CATTTAAGTT AAGTTTAGAA GAAAAGGAAA AGATAGAAAA GAAAGTAACA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1685       1695       1705       1715       1725       1735
2d_SalI      GAAGCAAAAA AATTGCCAAA CGCTCTAGAA AGAGACAAAG CATATTTAGA CATTATGAGT
2d_Thai      GAAGCAAAAA AATTGCCAAA CGCTCTAGAA AGAGACAAAG CATATTTAGA CATTATGAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1745       1755       1765       1775       1785       1795
2d_SalI      GAAATAAGAA AAATTAAAAA TAAGTTATCT GATAATGCTA GAAAGACAAC CGAATTTACT
2d_Thai      GAAATAAGAA AAATTAAAAA TAAGTTATCT GATAATGCTA GAAAGACAAC CGAATTTACT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1805       1815       1825       1835       1845       1855
2d_SalI     AAAAAATCAA ATGCTTTAAA AAAGGAAGTT CAAGAATTAA ATACAAGTGT TAACAACTAT
2d_Thai     AAAAAATCAA ATGCTTTAAA AAAGGAAGTT CAAGAATTAA ATACAAGTGT TAACAACTAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1865       1875       1885       1895       1905       1915
2d_SalI     GTGCAAGCAA TAAAGGAACA AAAAGAAAAA GAAATTCGGA ATAATTCTTT GAAAGATGAA
2d_Thai     GTGCAAGCAA TAAAGGAACA AAAAGAAAAA GAAATTCGGA ATAATTCTTT GAAAGATGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1925       1935       1945       1955       1965       1975
2d_SalI     ATAAAAAAGT TTTTGGAATA TATACCTAAT AACAGAGAAA AAATAAAAGA ATTAATTACC
2d_Thai     ATAAAAAAGT TTTTGGAATA TATACCTAAT AACAGAGAAA AAATAAAAGA ATTAATTACC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1985       1995       2005       2015       2025       2035
2d_SalI     AAAAAGAATG AAGTGCAACA ATATATTCCC AAAATTGAAG AATTAATTAA AGACGCACAC
2d_Thai     AAAAAGAATG AAGTGCAACA ATATATTCCC AAAATTGAAG AATTAATTAA AGACGCACAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2045       2055       2065       2075       2085       2095
2d_SalI     TTTGGTGTAG AAGAATTTAC AGCCAAAAAA ACAGAATTGC AAAATCAGGT AAATTCAATA
2d_Thai     TTTGGTGTAG AAGAATTTAC AGCCAAAAAA ACAGAATTGC AAAATCAGGT AAATTCAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2105       2115       2125       2135       2145       2155
2d_SalI     ATTGATGCAT TTTATAAAGA AGACCTACAA TTATTTTTAG ACAATTTATC AAAATCTTAT
2d_Thai     ATTGATGCAT TTTATAAAGA AGACCTACAA TTATTTTTAG ACAATTTATC AAAATCTTAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2165       2175       2185       2195       2205       2215
2d_SalI     GATGAAAATC AAGTTTTAGA GAAGGAAGCT GATACTACAG AAAAGATTGA AGAACTTCAC
2d_Thai     GATGAAAATC AAGTTTTAGA GAAGGAAGCT GATACTACAG AAAAGATTGA AGAACTTCAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2225       2235       2245       2255       2265       2275
2d_SalI     AAAAGAACCA AAATGGATTA TGAAAAACTT CTAAATATGA AATGTGATGA TATACCCGAA
2d_Thai     AAAAGAACCA AAATGGATTA TGAAAAACTT CTAAATATGA AATGTGATGA TATACCCGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2285       2295       2305       2315       2325       2335
2d_SalI     ATAATAAAAA AGTTGAATAC AGAATTAAAT AATCTCAAAA ATTTAGAAAA AAATATTGTA
2d_Thai     ATAATAAAAA AGTTGAATAC AGAATTAAAT AATCTCAAAA ATTTAGAAAA AAATATTGTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2345       2355       2365       2375       2385       2395
2d_SalI     GAAGAACAGA CTAAAAACAT TAATAAATAT GTTTCAGATT CATTTGATAA CCTAACTGAT
2d_Thai     GAAGAACAGA CTAAAAACAT TAATAAATAT GTTTCAGATT CATTTGATAA CCTAACTGAT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2405       2415       2425       2435       2445       2455
2d_SalI     GAAATGAACC GTTTAAGAAA TAGCTTGAAT GAATATAAGC AGGATGAAGG TAAGCTCCAA
2d_Thai     GAAATGAACC GTTTAAGAAA TAGCTTGAAT GAATATAAGC AGGATGAAGG TAAGCTCCAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2465       2475       2485       2495       2505       2515
2d_SalI     ACATATAAAG GTAGTATAAA TGAAAGAAAA GACAAATTCC TCAATACTTC AAGCGAAAAA
2d_Thai     ACATATAAAG GTAGTATAAA TGAAAGAAAA GACAAATTCC TCAATACTTC AAGCGAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2525       2535       2545       2555       2565       2575
2d_SalI     GAGGAAGATA TTCCAGAGGG ACAAAATATT TATGATGAAT ATAAAAGTCA TAAAGATCTT
2d_Thai     GAGGAAGATA TTCCAGAGGG ACAAAATATT TATGATGAAT ATAAAAGTCA TAAAGATCTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2585       2595       2605       2615       2625       2635
2d_SalI     ATGGTTAACA AAGAACTTAA ATTATCCAGT GATATTAATG AATTCAAGGA AAATATAAAA
2d_Thai     ATGGTTAACA AAGAACTTAA ATTATCCAGT GATATTAATG AATTCAAGGA AAATATAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2645       2655       2665       2675       2685       2695
2d_SalI     AAAGTCCAAA CAAAAATAGA GGCCTTCAGC AGTGTAATGC AAAAATTAGG AGCGAACGCC
2d_Thai     AAAGTCCAAA CAAAAATAGA GGCCTTCAGC AGTGTAATGC AAAAATTAGG AGCGAACGCC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2705       2715       2725       2735       2745       2755
2d_SalI     GATGAACAAC ATCAAGAAAC TATAAATTCT TTGAAGAACT TTAATACTAA AATCGAAGGT
2d_Thai     GATGAACAAC ATCAAGAAAC TATAAATTCT TTGAAGAACT TTAATACTAA AATCGAAGGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2765       2775       2785       2795       2805       2815
2d_SalI     TTAAAATTAA GTGAACTTGA AGGTGAATTT AAAATTAACA ATGAATCAGC TGCCAAATTA
2d_Thai     TTAAAATTAA GTGAACTTGA AGGTGAATTT AAAATTAACA ATGAATCAGC TGCCAAATTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2825       2835       2845       2855       2865       2875
2d_SalI     TATAATCAAA TTGAAAATAC AATGAAAAAT ATAGACACAA TTAAATCCTT AAATTATACT
2d_Thai     TATAATCAAA TTGAAAATAC AATGAAAAAT ATAGACACAA TTAAATCCTT AAATTATACT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2885       2895       2905       2915       2925       2935
2d_SalI     AGAAACAGCG CCAACAATAG CAGAGAATTA ATGGTAAAAA TAGTAAAAGA TAAAAATGAT
2d_Thai     AGAAACAGCG CCAACAATAG CAGAGAATTA ATGGAAAAAA TAGTAAAAGA TAAAAATGAT
Conservation ********** ********** ********** ****:***** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2945       2955       2965       2975       2985       2995
2d_SalI     TTAATAAAAA AACTAGATCA ACAGTCTGAA GAAATAAAAC AATACACATT AATAGAAGAA
2d_Thai     TTAATAAAAA AACTAGATCA ACAGTCTGAA GAAATAAAAC AATACACATT AATAGAAGAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3005       3015       3025       3035       3045       3055
2d_SalI     AAAGAAAAGT CACCCCTTCT AAGCGCTTTA AATGAAGAAC AAAATCATGT AGAAAGTGAA
2d_Thai     GAAGAAAAGT CACCCCTTCT AAGCGCTTTA AATGAAGAAC AAAATCATGT AGAAAGTGAA
Conservation .********* ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3065       3075       3085       3095       3105       3115
2d_SalI     ATTCCTAAAG AGTCGATAGA CAAATTAAAC ACAGAAATAA ATGCTATACT GGAATATTAC
2d_Thai     ATTCCTAAAG AGTCGATAGA CAAATTAAAC ACAGAAATAA ATGCTATACT GGAATATTAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3125       3135       3145       3155       3165       3175
2d_SalI     AACAGTTCAA AGGGTAATTT TAATGAGGAC ACGGAAATAA AATTGGAAAA GTTAGACAAT
2d_Thai     AACAGTTCAA AGGGTAATTT TAATGAGGAC ACGGAAATAA AATTGGAAAA GTTAGACAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3185       3195       3205       3215       3225       3235
2d_SalI     TTTAAAACTC AATGTGATAA TATTAAGCAA GAAATAGAAA CATTAAACAC TAAATATAAA
2d_Thai     TTTAAAACTC AATGTGATAA TATTAAGCAA GAAATAGAAA CATTAAACAC TAAATATAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3245       3255       3265       3275       3285       3295
2d_SalI     GTGTTAGAAA AAAGGATAGA CACCCTAATT GATGAACAAC ATGCTAAAAT TGTGACGTTG
2d_Thai     GTGTTAGAAA AAAGGATAGA CACCCTAATT GATGAACAAC ATGCTAAAAT TGTGACGTTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3305       3315       3325       3335       3345       3355
2d_SalI     ACAGATAAGC ACATAACAAC CAAAGATAAT ATGATTAATC AAAAGATTGA ACATAGCACA
2d_Thai     ACAGATAAGC ACATAACAAC CAAAGATAAT ATGATTAATC AAAAGATTGA ACATAGCACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3365       3375       3385       3395       3405       3415
2d_SalI     AAATCGCTAG ATGATATGAA AACTAAGTTG AATTCTCTCA AATTTAACGA TGATATCAGA
2d_Thai     AAATCGCTAG ATGATATGAA AACTAAGTTG AATTCTCTCA AATTTAACGA TGATATCAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3425       3435       3445       3455       3465       3475
2d_SalI     AAGAATGAAA ATGTCGAAAT TCAAGGTAAA ATACAGGAAT TTGAAAAAAT GGTTCAAACT
2d_Thai     AAGAATGAAA ATGTCGAAAT TCAAGGTAAA ATACAGGAAT TTGAAAAAAT GGTTCAAACT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3485       3495       3505       3515       3525       3535
2d_SalI     ATAGAGGAAA GTATAAATAA AAATAAAACT AAAATATATG AAATTAAAGG AGTATACGAT
2d_Thai     ATAGAGGAAA GTATAAATAA AAATAAAACT AAAATATATG AAATTAAAGG AGTATACGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3545       3555       3565       3575       3585       3595
2d_SalI     GTGTACAAGG GTGAATTCAA TGAAGAAAAA AATAAAAGCA CAAAAATCGT AGAAAAAAAA
2d_Thai     GTGTACAAGG GTGAATTCAA TGAAGAAAAA AATAAAAGCA CAAAAATCGT AGAAAAAAAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3605       3615       3625       3635       3645       3655
2d_SalI     AATAGCATGG AAAAAGTTTA TAACAAAATG GAAGATACTC TTAAAAAATT AGAAGATATA
2d_Thai     AATAGCATGG AAAAAGTTTA TAACAAAATG GAAGATACTC TTAAAAAATT AGAAGATATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3665       3675       3685       3695       3705       3715
2d_SalI     GATAACGAAA AAAATATATT AAATGAAATA GAAAAGGCTG AAGTACTATA CAGGAAAGTT
2d_Thai     GATAACGAAA AAAATATATT AAATGAAATA GAAAAGGCTG AAGTACTATA CAGGAAAGTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3725       3735       3745       3755       3765       3775
2d_SalI     TTCATTCATA ATACTGTTCA TATGATGGAT AATGAAACTA AAAAGTCTAA AAATTTGATG
2d_Thai     TTCATTCATA ATACTGTTCA TATGATGGAT AATGAAACTA AAAAGTCTAA AAATTTGATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3785       3795       3805       3815       3825       3835
2d_SalI     GACCAAATCG AATTGTCTAA AAGAGAAATT GAGGAAACAA AGAAGCAAAT GCTTGAATAC
2d_Thai     GACCAAATCG AATTGTCTAA AAGAGAAATT GAGGAAACAA AGAAGCAAAT GCTTGAATAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3845       3855       3865       3875       3885       3895
2d_SalI     AAAAATGATG AGGTATCTAA TTATGATTAT ATGAAATATT ACAACCAGGC TACAGAGAGT
2d_Thai     AAAAATGATG AGGTATCTAA TTATGATTAT ATGAAATATT ACAACCAGGC TACAGAGAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3905       3915       3925       3935       3945       3955
2d_SalI     AATGCTAAAA TAAAAGAAAC TTTTAAAAAT GCTACAGATA AGAAAGAAAA GGCTGAAAAT
2d_Thai     AATGCTAAAA TAAAAGAAAC TTTTAAAAAT GCTACAGATA AGAAAGAAAA GGCTGAAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3965       3975       3985       3995       4005       4015
2d_SalI     ATCGAAAAAG TAAGTGAAAT CGATGACATT AAAAACCAAG TTAATCATAA TTTACATCAG
2d_Thai     ATCGAAAAAG TAAGTGAAAT CGATGACATT AAAAACCAAG TTAATCATAA TTTACATCAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4025       4035       4045       4055       4065       4075
2d_SalI     ATCCAATCAG AAAATAGTTC TATAGAGGAG ATGTTAAAAC AAATTAATAA TATGAAAGAT
2d_Thai     ATCCAATCAG AAAATAGTTC TATAGAGGAG ATGTTAAAAC AAATTAATAA TATGAAAGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4085       4095       4105       4115       4125       4135
2d_SalI     TTATTAAAAA CGAACAGTTC TAAAGGAATA TCGGATACAG TATTAAGTAG TACCAAAAAT
2d_Thai     TTATTAAAAA CGAACAGTTC TAAAGGAATA TCGGATACAG TATTAAGTAG TACCAAAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4145       4155       4165       4175       4185       4195
2d_SalI     GCAGAAGAAT TTGGCAAACA AGCAATAAGT GAATTTAATA AAACGAATGA TGTAATACAA
2d_Thai     GCAGAAGAAT TTGGCAAACA AGCAATAAGT GAATTTAATA AAACGAATGA TGTAATACAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4205       4215       4225       4235       4245       4255
2d_SalI     GCAATCAGAG ATTTGATAAC TAAGGCTGAA GCACATAAAA ATTTAATCAA TATAAATTTA
2d_Thai     GCAATCAGAG ATTTGATAAC TAAGGCTGAA GCACATAAAA ATTTAATCAA TATAAATTTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4265       4275       4285       4295       4305       4315
2d_SalI     GAAGATGAAA AAATAAATGC CGAAGTGAAA GAAATTGAAA AAATTAAGGA ACAAATTGCC
2d_Thai     GAAGATGAAA AAATAAATGC CGAAGTGAAA GAAATTGAAA AAATTAAGGA ACAAATTGCC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4325       4335       4345       4355       4365       4375
2d_SalI     AATAAGAAAG AAGAAATAGA ATCCCATCTG AGCAAGGCAA AAGAATTTAA AGAAAAATGT
2d_Thai     AATAAGAAAG AAGAAATAGA ATCCCATCTG AGCAAGGCAA AAGAATTTAA AGAAAAATGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4385       4395       4405       4415       4425       4435
2d_SalI     TCCTCAGAAA CAAGTAACGC CAAAAGAGGT AAAAGTAAAA TAGAATTTTT GCAAAGTCGT
2d_Thai     TCCTCAGAAA CAAGTAACGC CAAAAGAGGT AAAAGTAAAA TAGAATTTTT GCAAAGTCGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4445       4455       4465       4475       4485       4495
2d_SalI     GAAGGCAGTT CGGAAGAGGT AGATATGAAG GAGATAGAAG AAAATATTAC CAAAGCAGAA
2d_Thai     GAAGGCAGTT CGGAAGAGGT AGATATGAAG GAGATAGAAG AAAATATTAC CAAAGCAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4505       4515       4525       4535       4545       4555
2d_SalI     GGATATTTAA ATCAAGCCAT TGCTGCAGAA ACAGAAGCTA ATAAGAATGT AGAATTGTTC
2d_Thai     GGATATTTAA ATCAAGCCAT TGCTGCAGAA ACAGAAGCTA ATAAGAATGT AGAATTGTTC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4565       4575       4585       4595       4605       4615
2d_SalI     GGTGAACTTC AAAAAAATAT CTGTGACATT TTCGATGAAT CATCAATTTT AGGAATAGAG
2d_Thai     GGTGAACTTC AAAAAAATAT CTGTGACATT TTCGATGAAT CATCAATTTT AGGAATAGAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4625       4635       4645       4655       4665       4675
2d_SalI     ACTACATCAA AGAAAAAAAT TAATAAAGCA ACAGAAATAA TGGAAGAAAT TAAAAGGAAA
2d_Thai     ACTACATCAA AGAAAAAAAT TAATAAAGCA ACAGAAATAA TGGAAGAAAT TAAAAGGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4685       4695       4705       4715       4725       4735
2d_SalI     AATTTTGAAA TTCAAGGCGA GGTGAAAATT TTCCATGAAA CACTCGTTAA ATTGAAAGAA
2d_Thai     AATTTTGAAA TTCAAGGCGA GGTGAAAATT TTCCATGAAA CACTCGTTAA ATTGAAAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4745       4755       4765       4775       4785       4795
2d_SalI     ACACACCCTG ATAACAACGT AGATGCTGAA CTTAACAATG CGAAATCGAC CAATGCAAAT
2d_Thai     ACACACCCTG ATAACAACGT AGATGCTGAA CTTAACAATG CGAAATCGAC CAATGCAAAT
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4805       4815       4825       4835       4845       4855
2d_SalI     GTACTTATAC AAACTAACCT AGAAATGGTG GAACATAACT TATCCGTAAT AGCTAAAATT
2d_Thai     GTACTTATAC AAACTAACCT AGAAATGGTG GAACATAACT TATCCGTAAT AGCTAAAATT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4865       4875       4885       4895       4905       4915
2d_SalI     AAACAGGAGG GAGAAAATAT ATATAATAGA GCCTCATCTA CGATAAATTC CATGACAGAA
2d_Thai     AAACAGGAGG GAGAAAATAT ATATAATAGA GCCTCATCTA CGATAAATTC CATGACAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4925       4935       4945       4955       4965       4975
2d_SalI     ATCTCCAAAA ATACTGAAAA AAAAACATTA GACAAGGCAA AAAGTGACGA ATCTAAATAT
2d_Thai     ATCTCCAAAA ATACTGAAAA AAAAACATTA GACAAGGCAA AAAGTGACGA ATCTAAATAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4985       4995       5005       5015       5025       5035
2d_SalI     ATATCCTATT TAACCAAAAT AACTTCAGAA AGAGATCTAA TCATTGAAGA AAGGAATAAA
2d_Thai     ATATCCTATT TAACCAAAAT AACTTCAGAA AGAGATCTAA TCATTGAAGA AAGGAATAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5045       5055       5065       5075       5085       5095
2d_SalI     CTAAATGGTA TAAGCCCCAA TATAATAAGT ATAGAAAAGG AATTGAATAA AGCCAGAAAG
2d_Thai     CTAAATGGTA TAAGCCCCAA TATAATAAGT ATAGAAAAGG AATTGAATAA AGCCAGAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5105       5115       5125       5135       5145       5155
2d_SalI     GATTACGAAA TTGGACTTTT GCAAAAGATA GATGAAATAG GCAAAAACAG AAAAAAAGAA
2d_Thai     GATTACGAAA TTGGACTTTT GCAAAAGATA GATGAAATAG GCAAAAACAA AAAAAAAAAA
Conservation ********** ********** ********** ********** *********. *******.**

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5165       5175       5185       5195       5205       5215
2d_SalI     TATG-ATTTG ACAAAAGAAT CAATAAAATT AACATTGAGC AACTTTTCTT CCCATTTCAA
2d_Thai     TATTGATTTG ACAAAAGAAT CAATAAAATT AACATTGAGC AACTTTTCTT CCCATTTCAA
Conservation ***. ***** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5225       5235       5245       5255       5265       5275
2d_SalI     AGGATTTGAT TTAAAGGAAT ATGTCTTTAA TAAAAATATA AATGACTATG AACAAAAGAT
2d_Thai     AGGATTTGAT TTAAAGGAAT ATGTCTTTAA TAAAAATATA AATGACTATG AACAAAAGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5285       5295       5305       5315       5325       5335
2d_SalI     GAAAGAAATA CATGACAAAT ATGACAAATC GATAAATAAA ATTAGTAAAA ACTTGAAAAA
2d_Thai     GAAAGAAATA CATGACAAAT ATGACAAATC GATAAATAAA ATTAGTAAAA ACTTGAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5345       5355       5365       5375       5385       5395
2d_SalI     GGCTGAAGAG GATAATACAA ACTATACCCT AGCGAATGAG CTGAGGAAAG AAGCGCAACA
2d_Thai     GGCTGAAGAG GATAATACAA ACTATACCCT AGCGAATGAG CTGAGGAAAG AAGCGCAACA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5405       5415       5425       5435       5445       5455
2d_SalI     AGAAAAAGCA GAACTTACAA ATATACAAGA AGAAGTAAAT AAATATTTAA GGGATATAAA
2d_Thai     AGAAAAAGCA GAACTTACAA ATATACAAGA AGAAGTAAAT AAATATTTAA GGGATATAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5465       5475       5485       5495       5505       5515
2d_SalI     AAAATGGGAA TCATTCAGAT TTATACTTGA TATGAAAGAC AATTTAAGTA ATATAAATAC
2d_Thai     AAAATGGGAA TCATTCAGAT TTATACTTGA TATGAAAGAC AATTTAAGTA ATATAAATAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5525       5535       5545       5555       5565       5575
2d_SalI     ACTGATTAAA CAAGAAGAAT TAAAGGTTAA TGATGGATAT GAATACATTA AACAATTAGT
2d_Thai     ACTGATTAAA CAAGAAGAAT TAAAGGTTAA TGATGGATAT GAATACATTA AACAATTAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5585       5595       5605       5615       5625       5635
2d_SalI     TGACAATATT AAAGAGTCAA ATGATGAAAG CAGTATATCA GATAACTTAC AAAAAGGAAA
2d_Thai     TGACAATATT AAAGAGTCAA ATGATGAAAG CAGTATATCA GATAACTTAC AAAAAGGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5645       5655       5665       5675       5685       5695
2d_SalI     AGAAAAAAAT GTAGAAATAC AGAACAAAAT GCAATCTACG TATAAAAACA AGGCAAAAGT
2d_Thai     AGAAAAAAAT GTAGAAATAC AGAACAAAAT GCAATCTACG TATAAAAACA AGGCAAAAGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5705       5715       5725       5735       5745       5755
2d_SalI     TATTTTAGGA CATATAATTG ACTCCGCAAA ATTTATAGAT ATTAATATAA TTACAAAATC
2d_Thai     TATTTTAGGA CATATAATTG ACTCCGCAAA ATTTATAGAT ATTAATATAA TTACAAAATC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5765       5775       5785       5795       5805       5815
2d_SalI     ACCACTAAAC GAATTGTCTT CAGAATCACA TTTGATGAAT GCAGGAGAAT TAAAATTTCA
2d_Thai     ACCACTAAAC GAATTGTCTT CAGAATCACA TTTGATGAAT GCAGGAGAAT TAAAATTTCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5825       5835       5845       5855       5865       5875
2d_SalI     GCAAGAAAAT AAAGTAACAT TAGAAACAGA ACATATGACA AACAATAAGA GCGAATTAGA
2d_Thai     GCAAGAAAAT AAAGTAACAT TAGAAACAGA ACATATGACA AACAATAAGA GCGAATTAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5885       5895       5905       5915       5925       5935
2d_SalI     TGTTTATAAA AATATACGCG ATGCTTACAA CATCGTTGTG GAGATAATTG CATATTCAGA
2d_Thai     TGTTTATAAA AATATACGCG ATGCTTACAA CATCGTTGTG GAGATAATTG CATATTCAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5945       5955       5965       5975       5985       5995
2d_SalI     TAAAATAGAC ACAAAACAAA GACAAAGTAC ACAATTATTG GATGATGGAA ATGATATATA
2d_Thai     TAAAATAGAC ACAAAACAAA GACAAAGTAC ACAATTATTG GATGATGGAA ATGATATATA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6005       6015       6025       6035       6045       6055
2d_SalI      TCTTACGCTA AAGTCAATAA ACGAGCTAAA AAATAAAATA AACTCTGTAA AAAGTAAAGA
2d_Thai      TCTTACGCTA AAGTCAATAA ACGAGCTAAA AAATAAAATA AACTCTGTAA AAAGTAAAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6065       6075       6085       6095       6105       6115
2d_SalI      AAATGCTATT TCAGGCAAAA TAGATAATAT TTCAAACAAA CTTAATGAGT TAAACAAAAT
2d_Thai      AAATGCTATT TCAGGCAAAA TAGATAATAT TTCAAACAAA CTTAATGAGT TAAACAAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6125       6135       6145       6155       6165       6175
2d_SalI      TACATGTGAT GATAAAAGTT ACGATAATAT TTTAGACATA ATAAAACATA CAGAATTAAA
2d_Thai      TACATGTGAT GATAAAAGTT ACGATAATAT TTTAGACATA ATAAAACATA CAGAATTAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6185       6195       6205       6215       6225       6235
2d_SalI      AACTATACGT GATTCTTTTA AACAAGAAAA AATTAACAAA AAGAGCGATT CTAAATTGGA
2d_Thai      AACTATACGT GATTCTTTTA AACAAGAAAA AATTAACAAA AAGAGCGATT CTAAATTGGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6245       6255       6265       6275       6285       6295
2d_SalI      AAAAATAAAG GAAGAATTTG AAAATTCAAA AAATACATTA AAAAATATAG AAGAAGAAGT
2d_Thai      AAAAATAAAG GAAGAATTTG AAAATTCAAA AAATACATTA AAAAATATAG AAGAAGAAGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6305       6315       6325       6335       6345       6355
2d_SalI      TAATGCTCTA AAGGCTAGTT TGGTAAAACA TGATAATATA CAAAGCAGAA ACAAGCCAAT
2d_Thai      TAATGCTCTA AAGGCTAGTT TGGTAAAACA TGATAATATA CAAAGCAGAA ACAAGCCAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6365       6375       6385       6395       6405       6415
2d_SalI      TGATGATGTG CTAATCGAAA TAGAAAAAAC AGAAAAAGGT ATAGATAGTT TTAGTGCCTC
2d_Thai      TGATGATGTG CTAATCGAAA TAGAAAAAAC AGAAAAAGGT ATAGATAGTT TTAGTGCCTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6425       6435       6445       6455       6465       6475
2d_SalI      CCTTGATGAG ATGTTGAAGA AAGGAAGAGA ATGCGAAATA TTTAGGTATA CATCCATAAA
2d_Thai      CCTTGATGAG ATGTTGAAGA AAGGAAGAGA ATGCGAAATA TTTAGGTATA CATCCATAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6485       6495       6505       6515       6525       6535
2d_SalI      AGATGGTGTT ATCGCAAAAA TAAATGATGA CGCAGAATTA ATCGATAATA TACACAATAA
2d_Thai      AGATGGTGTT ATCGCAAAAA TAAATGATGA CGCAGAATTA ATCGATAATA TACACAATAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6545       6555       6565       6575       6585       6595
2d_SalI      TACTAATGAA TATTTGACAT ATGTTCAAAA AAATTATAGT GAAACAGCAG AGGATGTTCG
2d_Thai      TACTAATGAA TATTTGACAT ATGTTCAAAA AAATTATAGT GAAACAGCAG AGGATGTTCG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6605       6615       6625       6635       6645       6655
2d_SalI     TACATTAAAT CAACATTTCA TGACAGAAAC GATAAGCGAT CATGCGCCAA CTAATTACGA
2d_Thai     TACATTAAAT CAACATTTCA TGACAGAAAC GATAAGCGAT CATGCGCCAA CTAATTACGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6665       6675       6685       6695       6705       6715
2d_SalI     AACATCAAAT AAATCTTATG AAGAGATAAC TGAAGCTGTT AATAATTCCA AAGCAATAAT
2d_Thai     AACATCAAAT AAATCTTATG AAGAGATAAC TGAAGCTGTT AATAATTCCA AAGCAATAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6725       6735       6745       6755       6765       6775
2d_SalI     AGATAATATA CAAAATTCAA TTATACAAGT TAACGAAAAA ACGGAAATTA GTTCTTTAGA
2d_Thai     AGATAATATA CAAAATTCAA TTATACAAGT TAACGAAAAA ACGGAAATTA GTTCTTTAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6785       6795       6805       6815       6825       6835
2d_SalI     AAATAGCGCA GAAAAAATAG AAAAGCTTTA TAAAGAATTA CAGGATAAAA AAAACACCAT
2d_Thai     AAATAGCGCA GAAAAAATAG AAAACCTTTA TAAAGAATTA CAGGATAAAA AAAACACCAT
Conservation ********** ********** **** ***** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6845       6855       6865       6875       6885       6895
2d_SalI     AAACGAAATT TATAAAAAGG CTAACATAGT TAAATTGCAA GAAATAAAAT CAGATGCTGA
2d_Thai     AAACGAAATT TATAAAAAGG CTAACATAGT TAAATTGCAA GAAATAAAAT CAGATGCTGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6905       6915       6925       6935       6945       6955
2d_SalI     TAAATATTTG GATGTAGCTA ACATATTTAA TAATGTATTG GACGGTCAAA AATCAAGAAT
2d_Thai     TAAATATTTG GATGTAGCTA ACATATTTAA TAATGTATTG GACGGTCAAA AATCAAGAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               6965       6975       6985       6995       7005       7015
2d_SalI     AATAAATAAC CTAGGTAAAA TAGCCCAAGT TAAAGAAACA ATAAACCTAA AACTGAAGAA
2d_Thai     AATAAATAAC CTAGGTAAAA TAGCCCAAGT TAAAGAAACA ATAAACCTAA AACTGAAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7025       7035       7045       7055       7065       7075
2d_SalI     ATTGGTTGAG ACTGACAATA CATTTACGAC AGAGTCTATT AACAGGTTTG GAGAAATTTA
2d_Thai     ATTGGTTGAG ACTGACAATA CATTTACGAC AGAGTCTATT AACAGGTTTG GAGAAATTTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7085       7095       7105       7115       7125       7135
2d_SalI     TAATGACATT AAGACTAGTA TAGATGAACT GGAAATTATA GAACAAACAA ATTATAGCGA
2d_Thai     TAATGACATT AAGACTAGTA TAGATGAACT GGAAATTATA GAACAAACAA ATTATAGCGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7145       7155       7165       7175       7185       7195
2d_SalI     ACAAAATGAT GTAAAAAATC ATAAAGAAAA AATTACATAC TTAATAAGCA GAAGAGAAAC
2d_Thai     ACAAAATGAT GTAAAAAATC ATAAAGAAAA AATTACATAC TTAATAAGCA GAAGAGAAAC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7205       7215       7225       7235       7245       7255
2d_SalI     TTTAGAAAGT GACCTAAAAG GACATGAAGA GGACACAAAT GTGAAAAAAT TAAATGCGAA
2d_Thai     TTTAGAAAGT GACCTAAAAG GACATGAAGA GGACACAAAT GTGAAAAAAT TAAATGCGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7265       7275       7285       7295       7305       7315
2d_SalI     TACATTAAGT GAAGTAAATA TTGGCATTGC AAGTGCAAAA GAAGCTATAA GCAACTCAGA
2d_Thai     TACATTAAGT GAAGTAAATA TTGGCATTGC AAGTGCAAAA GAAGCTATAA GCAACTCAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7325       7335       7345       7355       7365       7375
2d_SalI     GGAAGTATTT AAGAAATTAT TAAGAAAAAT AGAAGAAAAT GAAAGATTAT GTAATAATAA
2d_Thai     GGAAGTATTT AAGAAATTAT TAAGAAAAAT AGAAGAAAAT GAAAGATTAT GTAATAATAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7385       7395       7405       7415       7425       7435
2d_SalI     TGATGCAAAG AATTTTATTT CGGATATTAT GCAAAATATA GATGATCTGA ATAAACGTTT
2d_Thai     TGATGCAAAG AATTTTATTT CGGATATTAT GCAAAATATA GATGATCTGA ATAAACGTTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7445       7455       7465       7475       7485       7495
2d_SalI     CACAAAAAAT ATACCAGAAA GAGAAAAACT TTTTGAAATA AAAAGG-ATT ATATATAATG
2d_Thai     CACAAAAAAT ATACCAGAAA GAGAAAAACT TTTTGAAATA GAAAAGGATT ATATATAATG
Conservation ********** ********** ********** ********** .***.* *** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7505       7515       7525       7535       7545       7555
2d_SalI     AAATTAATTC CATTTTCAAT GAAATAAGAA CACTTAACGT TGACGAATTT GTTGAAAAAA
2d_Thai     AAATTAATTC CATTTTCAAT GAAATAAGAA CACTTAACGT TGACGAATTT GTTGAAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7565       7575       7585       7595       7605       7615
2d_SalI     TGTATAAACA AATTGATAGT GAAAAGGAAA GCGTAAATAA CATAACAGAT ACTGATAAGA
2d_Thai     TGTATAAACA AATTGATAGT GAAAAGGAAA GCGTAAATAA CATAACAGAT ACTGATAAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7625       7635       7645       7655       7665       7675
2d_SalI     TAAGTGTTGC AATTCAAAAT GTTACAAATT ACGATGCAGA AATAAAAGGC TTATTGTCTA
2d_Thai     TAAGTGTTGC AATTCAAAAT GTTACAAATT ACGATGCAGA AATAAAAGGC TTATTGTCTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7685       7695       7705       7715       7725       7735
2d_SalI     GAACTATTAA CGTATTAGAA AGAATAAGTA GAAGGAAAGC GGAAATGGAT ACTTTATTCA
2d_Thai     GAACTATTAA CGTATTAGAA AGAATAAGTA GAAGGAAAGC GGAAATGGAT ACTTTATTCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7745       7755       7765       7775       7785       7795
2d_SalI     ATAGTCTATC ATCGAATAAT AAAAACCTAA ATGAAAATGC AAAAAGATAC ATGAATGATT
2d_Thai     ATAGTCTATC ATCGAATAAT AAAAACCTAA ATGAAAATGC AAAAAGATAC ATGAATGATT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7805       7815       7825       7835       7845       7855
2d_SalI      CAGCTGAAAT AATTAATCAA TTAAATAGCC ATGTTCAAAA AATAACAAAA CTGAAAACAT
2d_Thai      CAGCTGAAAT AATTAATCAA TTAAATAGCC ATGTTCAAAA AATAACAAAA CTGAAAACAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7865       7875       7885       7895       7905       7915
2d_SalI      ATGCAAATGA GGTAATTGAA CAATTACAAA AAGAACTAAC AAGATTATTA GATCAACGTA
2d_Thai      ATGCAAATGA GGTAATTGAA CAATTACAAA AAGAACTAAC AAGATTATTA GATCAACGTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7925       7935       7945       7955       7965       7975
2d_SalI      AAATTGAAAT TCCAGTTGAT GATACTCAAA CTTCTTTAAG TACCGAGGAC GTAAAAGAAG
2d_Thai      AAATTGAAAT TCCAGTTGAT GATACTCAAA CTTCTTTAAG TACCGAGGAC GTAAAAGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7985       7995       8005       8015       8025       8035
2d_SalI      AAACTGCTAA TCAGAAGGAG CTAGAAACTG ATAAGCAGAA GGAGCTAGAA AAAGCCATAG
2d_Thai      AAACTGCTAA TCAGAAGGAG CTAGAAACTG ATAAGCAGAA GGAGCTAGAA AAAGCCATAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8045       8055       8065       8075       8085       8095
2d_SalI      AAAAGGAACA AGAAGAAGCT GTAGAAGGTG AACTACAAAA AACTATAGAA GTGGAAAAAG
2d_Thai      AAAAGGAACA AGAAGAAGCT GTAGAAGGTG AACTACAAAA AACTATAGAA GTGGAAAAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8105       8115       8125       8135       8145       8155
2d_SalI      AATCTGCTAT AAAAGAGGAA CAAGAAACTC CTGAGCAGGA GGAACGAGAA ACATCTATAA
2d_Thai      AATCTGCTAT AAAAGAGGAA CAAGAAACTC CTGAGCAGGA GGAACGAGAA ACATCTATAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8165       8175       8185       8195       8205       8215
2d_SalI      ATCAGGAACC AGAACATGTT ACTTATGAGA CACTAGGATA TGATACACCA CATGCCCAAG
2d_Thai      ATCAGGAACC AGAACATGTT ACTTATGAGA CACTAGGATA TGATACACCA CATGCCCAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8225       8235       8245       8255       8265       8275
2d_SalI      AAAACGAGAG CGATGGTACT CAACACGACG ATTCAGAAAG AGATGATAAA TCAAAGGCAA
2d_Thai      AAAACGAGAG CGATGGTACT CAACACGACG ATTCAGAAAG AGATGATAAA TCAAAGGCAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8285       8295       8305       8315       8325       8335
2d_SalI      AAGATGCAAT GGGAAGAACT CGTTTGGCAG GAGCTATTAT TATCGGTTTA TCTTTTTTTC
2d_Thai      AAGATGCAAT GGGAAGAACT CGTTTGGCAG GAGCTATTAT TATCGGTTTA TCTTTTTTTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8345       8355       8365       8375       8385       8395
2d_SalI      CCGGAGTTCT TGTATTAGCA TTTAGGGACA CGCAAACAGA AGAAGAGGAA AGCCATGAAC
2d_Thai      CCGGAGTTCT TGTATTAGCA TTTAGGGACA CGCAAACAGA AGAAGAGGAA AGCCATGAAC
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8405       8415       8425       8435       8445       8455
2d_SalI      ATGATCATCA TCAAGCATTT GGAGGTACTG ATGATTATAA TATGCAAGAT AAAGAAGAAG
2d_Thai      ATGATTATCA TCAAGCATTT GGAGGTACTG ATGATTATAA TATGCAAGAT AAAGAAGAAG
Conservation ***** **** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ..
                8465       8475       8485
2d_SalI      TTATCGAAGT CTGTTTTAAT GAGGATGATT AA
2d_Thai      TTATCGAAGT CTGTTTTAAT GAGGATGATT AA
Conservation ********** ********** ********** **
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Alignment: Pvrbp2dtr (align with genomic DNA of SalI)

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
2d_SalI_Ge   ATGGAAAAAA GAGCCTTTTG GATCATCTTT TACAATTTAA TATTTATTTT TTTCGgtaaa
2dtr_Thai    ATGGAAAAAA GAGCCTTTTG AATCATCTTT TACAATTTAA TATTTATTTT TTTCGGTAAA
Conservation ********** ********** .********* ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 65         75         85         95        105        115
2d_SalI_Ge   attaaatcat gcgcacatac acgtaaattt atttgaatat gttcgctcaa attattgtaa
2dtr_Thai    ATTAAATCAT GCGCACATAC ACGTAAATTT ATTTGAATAT GTTCGCTCAA ATTATTGTAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                125        135        145        155        165        175
2d_SalI_Ge   ccctaaaccc tgaaacctaa accctaaatt gaatgcaaat gttcacgttt gtacatttcc
2dtr_Thai    CCCTAAACCC TGAACCCTAA ACCAT----- ---------- ---------- ----------
Conservation ********** ****.***** ***.*

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                185        195        205        215        225        235
2d_SalI_Ge   ataaattttc atttaactga atcgttacat atgctaaaat ctgttgtaac atgtattcat
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                245        255        265        275        285        295
2d_SalI_Ge   ttgaatttta atatcttata tttttcagCA TCATGTAAGG ATGTCAATCG AAACAAACCC
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                305        315        325        335        345        355
2d_SalI_Ge   GGAAGACTAA AATATCATCG GAAGCTATTA CCAGCATATG TTAACTTAAT GAGCCCTGAT
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                365        375        385        395        405        415
2d_SalI_Ge   AAAGACGGAT ATAAGGGTGC CGAAAAGGAT GATAAGGCAA ATAATCATAA CGACAACAAT
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                425        435        445        455        465        475
2d_SalI_Ge   AATGGCAACA ATAATGACAA CAATAATAAT AGTGACAATA ATGATGAAAA CAGTAATAAT
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                485        495        505        515        525        535
2d_SalI_Ge   AGTGAAAATC TCAGAACGTC AAATTTACAA AATAGTTCAT CAGTGGGGCA TTTAAACAAC
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                545        555        565        575        585        595
2d_SalI_Ge   CACGAAGATA CAACGAAACC ATCCCATTAC TCTTACTTGA AAAAAAGCAA CATATATGCA
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                605        615        625        635        645        655
2d_SalI_Ge   CCGGATGCAA AGAATAATAA AATGGAAGAT GATAATAAAA AATTGCATAC TGTTTCAAAT
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                665        675        685        695        705        715
2d_SalI_Ge   TCCTTCATTC AAAATAGTAA ACAAGCCCAA AATATAATTG CAACTAATAA TTTGGATTAT
2dtr_Thai    ---------- ---------- ---------- ---------- ---------- ----------
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                725        735        745        755        765        775
2d_SalI_Ge   ATTAGTGCCA TTGATGATTA TAACAATATA ATTTCTTCAT TTCAACCATA TCATGCTAGT
2dtr_Thai    ---------- ---------- ---------- ---------- ---------A TCATGCTAGT
Conservation                                                       * **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                785        795        805        815        825        835
2d_SalI_Ge   GTATATTACT TGAATGAATT GAAATACTAT GCAACACATT ACAATGAATT GAAGGTTCTT
2dtr_Thai    GTATATTACT TGAATGAATT GAAATACTAT GCAACACATT ACAATGAATT GAAGGTTCTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                845        855        865        875        885        895
2d_SalI_Ge   GTTCAAAAAG ATGTCATTCC TCAAGTAACA CACATTACCA ATATTGTTGA GAAAAACGTT
2dtr_Thai    GTTCAAAAAG ATGTCATTCC TCAAGTAACA CACATTACCA ATATTGTTGA GAAAAACGTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                905        915        925        935        945        955
2d_SalI_Ge   AAGATCTGTT TGGAGAAAAC ACATGAATTG AATACATTAA TAACTCAATT AGAAAATCCA
2dtr_Thai    AAGATCTGTT TGGAGAAAAC ACATGAATTG AATACATTAA TAACTCAATT AGAAAATCCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                965        975        985        995       1005       1015
2d_SalI_Ge   CAAACATATA ATATTCAAAG AAGCCATTAT AGTAATAGAG TAAAAGATTA CCGTAAGAAA
2dtr_Thai    CAAACATATA ATATTCAAAG AAGCCATTAT AGTAATAGAG TAAAAGATTA CCGTAAGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1025       1035       1045       1055       1065       1075
2d_SalI_Ge   ATTGAGGATA TTCAAAATTG TTTAAAATTA AATTATAAAA GAAATGTTAA AGCTACAGTA
2dtr_Thai    ATTGAGGATA TTCAAAATTG TTTAAAATTA AATTATAAAA GAAATGTTAA AGCTACAGTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1085       1095       1105       1115       1125       1135
2d_SalI_Ge   TTTGCCACAA TAATATGGTT CCAGACACTA ATTAAAATGG AATGTAGTTG GTGGACCAAA
2dtr_Thai    TTTGCCACAA TAATATGGTT CCAGACACTA ATTAAAATGG AATGTAGTTG GTGGACCAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1145       1155       1165       1175       1185       1195
2d_SalI_Ge   TCATGTTCAA CGAGAATCTA TTATAATATG ATTAAGATGT ATACATTAAA AATTAAGGAG
2dtr_Thai    TCATGTTCAA CGAGAATCTA TTATAATATG ATTAAGATGT ATACATTAAA AATTAAGGAG
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1205       1215       1225       1235       1245       1255
2d_SalI_Ge   TATAAAATCA AAAAACCAAC TGCATATATG GATAAAATAA AGGCTGTTTA TAAGTTAGCT
2dtr_Thai    TATAAAATCA AAAAACCAAC TGCATATATG GATAAAATAA AGGCTGTTTA TAAGTTAGCT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1265       1275       1285       1295       1305       1315
2d_SalI_Ge   AATGATACAA TATGGAGAAT AAAAGTAGAA TTAAACTCAA ATCTTGATTC GGATACAACC
2dtr_Thai    AATGATACAA TATGGAGAAT AAAAGTAGAA TTAAACTCAA ATCTTGATTC GGATACAACC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1325       1335       1345       1355       1365       1375
2d_SalI_Ge   GACTTTATTC TAGAAGAATT TAAATACATT ATAGAAAAGT ATAATGGTCA CATTGATAAA
2dtr_Thai    GACTTTATTC TAGAAGAATT TAAATACATT ATAGAAAAGT ATAATGGTCA CATTGATAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1385       1395       1405       1415       1425       1435
2d_SalI_Ge   ATTAATTTGG GAACTTCTTA TATAGATCAT ATTCATGAAC AAGAAGGAAC TTTGAATAAT
2dtr_Thai    ATTAATTTGG GAACTTCTTA TATAGATCAT ATTCATGAAC AAGAAGGAAC TTTGAATAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1445       1455       1465       1475       1485       1495
2d_SalI_Ge   ACTAAAATAG AAATTATAAC TTTGTATTCT GTGATAGCTA ATCGTTACAC TGCTTTTAAA
2dtr_Thai    ACTAAAATAG AAATTATAAC TTTGTATTCT GTGATAGCTA ATCGTTACAC TGCTTTTAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1505       1515       1525       1535       1545       1555
2d_SalI_Ge   TTTAGTTTAG AACATATAAA TATGTTTGAA AATACATCCA AAAGTAAAGA ACAGGTACTT
2dtr_Thai    TTTAGTTTAG AACATATAAA TATGTTTGAA AATACATCCA AAAGTAAAGA ACAGGTACTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1565       1575       1585       1595       1605       1615
2d_SalI_Ge   TATAACTCTT TTAGCAAATT TGAGGATAGA TTACAAAAGA AAATAAACGA TCTTATTAAT
2dtr_Thai    TATAACTCTT TTAGCAAATT TGAGGATAGA TTACAAAAGA AAATAAACGA TCTTATTAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1625       1635       1645       1655       1665       1675
2d_SalI_Ge   TCTGAATTTT CTATATCAAC CGTTAACTCT GTCATTTTGG ATTCCGAAAA AAATATACAA
2dtr_Thai    TCTGAATTTT CTATATCAAC CGTTAACTCT GTCATTTTGG ATTCCGAAAA AAATATACAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1685       1695       1705       1715       1725       1735
2d_SalI_Ge   TTATCAGAAT CATTACTCAA CTCGAGTTCT AAAGAAATAG CACAACATGA AATTAAATTA
2dtr_Thai    TTATCAGAAT CATTACTCAA CTCGAGTTCT AAAGAAATAG CACAACATGA AATTAAATTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1745       1755       1765       1775       1785       1795
2d_SalI_Ge   AATGCGGAAA TTGAAAAGAA AAAAAAAGAT TATGATCAAA AAATTATAAG AGCAAGAGAA
2dtr_Thai    AATGCGGAAA TTGAAAAGAA AAAAAAAGAT TATGATCAAA AAATTATAAG AGCAAGAGAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1805       1815       1825       1835       1845       1855
2d_SalI_Ge   ACTATAAAAA AATCAAAGGA ATTAATTACA TCTGTAAAAA ACGCATTTAA GTTAAGTTTA
2dtr_Thai    ACTATAAAAA AATCAAAGGA ATTAATTACA TCTGTAAAAA ACGCATTTAA GTTAAGTTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1865       1875       1885       1895       1905       1915
2d_SalI_Ge   GAAGAAAAGG AAAAGATAGA AAAGAAAGTA ACAGAAGCAA AAAAATTGCC AAACGCTCTA
2dtr_Thai    GAAGAAAAGG AAAAGATAGA AAAGAAAGTA ACAGAAGCAA AAAAATTGCC AAACGCTCTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1925       1935       1945       1955       1965       1975
2d_SalI_Ge   GAAAGAGACA AAGCATATTT AGACATTATG AGTGAAATAA GAAAAATTAA AAATAAGTTA
2dtr_Thai    GAAAGAGACA AAGCATATTT AGACATTATG AGTGAAATAA GAAAAATTAA AAATAAGTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1985       1995       2005       2015       2025       2035
2d_SalI_Ge   TCTGATAATG CTAGAAAGAC AACCGAATTT ACTAAAAAAT CAAATGCTTT AAAAAAGGAA
2dtr_Thai    TCTGATAATG CTAGAAAGAC AACCGAATTT ACTAAAAAAT CAAATGCTTT AAAAAAGGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2045       2055       2065       2075       2085       2095
2d_SalI_Ge   GTTCAAGAAT TAAATACAAG TGTTAACAAC TATGTGCAAG CAATAAAGGA ACAAAAAGAA
2dtr_Thai    GTTCAAGAAT TAAATACAAG TGTTAACAAC TATGTGCAAG CAATAAAGGA ACAAAAAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2105       2115       2125       2135       2145       2155
2d_SalI_Ge   AAAGAAATTC GGAATAATTC TTTGAAAGAT GAAATAAAAA AGTTTTTGGA ATATATACCT
2dtr_Thai    AAAGAAATTC GGAATAATTC TTTGAAAGAT GAAATAAAAA AGTTTTTGGA ATATATACCT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2165       2175       2185       2195       2205       2215
2d_SalI_Ge   AATAACAGAG AAAAAATAAA AGAATTAATT ACCAAAAAGA ATGAAGTGCA ACAATATATT
2dtr_Thai    AATAACAGAG AAAAAATAAA AGAATTAATT ACCAAAAAGA ATGAAGTGCA ACAATATATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2225       2235       2245       2255       2265       2275
2d_SalI_Ge   CCCAAAATTG AAGAATTAAT TAAAGACGCA CACTTTGGTG TAGAAGAATT TACAGCCAAA
2dtr_Thai    CCCAAAATTG AAGAATTAAT TAAAGACGCA CACTTTGGTG TAGAAGAATT TACAGCCAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2285       2295       2305       2315       2325       2335
2d_SalI_Ge   AAAACAGAAT TGCAAAATCA GGTAAATTCA ATAATTGATG CATTTTATAA AGAAGACCTA
2dtr_Thai    AAAACAGAAT TGCAAAATCA GGTAAATTCA ATAATTGATG CATTTTATAA AGAAGACCTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2345       2355       2365       2375       2385       2395
2d_SalI_Ge   CAATTATTTT TAGACAATTT ATCAAAATCT TATGATGAAA ATCAAGTTTT AGAGAAGGAA
2dtr_Thai    CAATTATTTT TAGACAATTT ATCAAAATCT TATGATGAAA ATCAAGTTTT AGAGAAGGAA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2405       2415       2425       2435       2445       2455
2d_SalI_Ge  GCTGATACTA CAGAAAAGAT TGAAGAACTT CACAAAAGAA CCAAAATGGA TTATGAAAAA
2dtr_Thai   GCTGATACTA CAGAAAAGAT TGAAGAACTT CACAAAAGAA CCAAAATGGA TTATGAAAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2465       2475       2485       2495       2505       2515
2d_SalI_Ge  CTTCTAAATA TGAAATGTGA TGATATACCC GAAATAATAA AAAAGTTGAA TACAGAATTA
2dtr_Thai   CTTCTAAATA TGAAATGTGA TGATATACCC GAAATAATAA AAAAGTTGAA TACAGAATTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2525       2535       2545       2555       2565       2575
2d_SalI_Ge  AATAATCTCA AAAATTTAGA AAAAAATATT GTAGAAGAAC AGACTAAAAA CATTAATAAA
2dtr_Thai   AATAATCTCA AAAATTTAGA AAAAAATATT GTAGAAGAAC AGACTAAAAA CATTAATAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2585       2595       2605       2615       2625       2635
2d_SalI_Ge  TATGTTTCAG ATTCATTTGA TAACCTAACT GATGAAATGA ACCGTTTAAG AAATAGCTTG
2dtr_Thai   TATGTTTCAG ATTCATTTGA TAACCTAACT GATGAAATGA ACCGTTTAAG AAATAGCTTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2645       2655       2665       2675       2685       2695
2d_SalI_Ge  AATGAATATA AGCAGGATGA AGGTAAGCTC CAAACATATA AAGGTAGTAT AAATGAAAGA
2dtr_Thai   AATGAATATA AGCAGGATGA AGGTAAGCTC CAAACATATA AAGGTAGTAT AAATGAAAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2705       2715       2725       2735       2745       2755
2d_SalI_Ge  AAAGACAAAT TCCTCAATAC TTCAAGCGAA AAAGAGGAAG ATATTCCAGA GGGACAAAAT
2dtr_Thai   AAAGACAAAT TCCTCAATAC TTCAAGCGAA AAAGAGGAAG ATATTCCAGA GGGACAAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2765       2775       2785       2795       2805       2815
2d_SalI_Ge  ATTTATGATG AATATAAAAG TCATAAAGAT CTTATGGTTA ACAAAGAACT TAAATTATCC
2dtr_Thai   ATTTATGATG AATATAAAAG TCATAAAGAT CTTATGGTTA ACAAAGAACT TAAATTATCC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2825       2835       2845       2855       2865       2875
2d_SalI_Ge  AGTGATATTA ATGAATTCAA GGAAAATATA AAAAAAGTCC AAACAAAAAT AGAGGCCTTC
2dtr_Thai   AGTGATATTA ATGAATTCAA GGAAAATATA AAAAAAGTCC AAACAAAAAT AGAGGCCTTC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2885       2895       2905       2915       2925       2935
2d_SalI_Ge  AGCAGTGTAA TGCAAAAATT AGGAGCGAAC GCCGATGAAC AACATCAAGA AACTATAAAT
2dtr_Thai   AGCAGTGTAA TGCAAAAATT AGGAGCGAAC GCCGATGAAC AACATCAAGA AACTATAAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2945       2955       2965       2975       2985       2995
2d_SalI_Ge  TCTTTGAAGA ACTTTAATAC TAAAATCGAA GGTTTAAAAT TAAGTGAACT TGAAGGTGAA
2dtr_Thai   TCTTTGAAGA ACTTTAATAC TAAAATCGAA GGTTTAAAAT TAAGTGAACT TGAAGGTGAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3005       3015       3025       3035       3045       3055
2d_SalI_Ge   TTTAAAATTA ACAATGAATC AGCTGCCAAA TTATATAATC AAATTGAAAA TACAATGAAA
2dtr_Thai    TTTAAAATTA ACAATGAATC AGCTGCCAAA TTATATAATC AAATTGAAAA TACAATGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3065       3075       3085       3095       3105       3115
2d_SalI_Ge   AATATAGACA CAATTAAATC CTTAAATTAT ACTAGAAACA GCGCCAACAA TAGCAGAGAA
2dtr_Thai    AATATAGACA CAATTAAATC CTTAAATTAT ACTAGAAACA GCGCCAACAA TAGCAGAGAA
Conservation ********** ********** ********** ********** ********** **********

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                3125       3135       3145       3155       3165       3175
2d_SalI_Ge   TTAATGGTAA AAATAGTAAA AGATAAAAAT GATTTAATAA AAAAACTAGA TCAACAGTCT
2dtr_Thai    TTAATGGAAA AAATAGTAAA AGATAAAAAT GATTTAATAA AAAAACTAGA TCAACAGTCT
Conservation *******:** ********** ********** ********** ********** **********

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                3185       3195       3205       3215       3225       3235
2d_SalI_Ge   GAAGAAATAA AACAATACAC ATTAATAGAA GAAAAAGAAA AGTCACCCCT TCTAAGCGCT
2dtr_Thai    GAAGAAATAA AACAATACAC ATTAATAGAA GAAGAAGAAA AGTCACCCCT TCTAAGCGCT
Conservation ********** ********** ********** ***.****** ********** **********

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                3245       3255       3265       3275       3285       3295
2d_SalI_Ge   TTAAATGAAG AACAAAATCA TGTAGAAAGT GAAATTCCTA AAGAGTCGAT AGACAAATTA
2dtr_Thai    TTAAATGAAG AACAAAATCA TGTAGAAAGT GAAATTCCTA AAGAGTCGAT AGACAAATTA
Conservation ********** ********** ********** ********** ********** **********

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                3305       3315       3325       3335       3345       3355
2d_SalI_Ge   AACACAGAAA TAAATGCTAT ACTGGAATAT TACAACAGTT CAAAGGGTAA TTTTAATGAG
2dtr_Thai    AACACAGAAA TAAATGCTAT ACTGGAATAT TACAACAGTT CAAAGGGTAA TTTTAATGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3365       3375       3385       3395       3405       3415
2d_SalI_Ge   GACACGGAAA TAAAATTGGA AAAGTTAGAC AATTTTAAAA CTCAATGTGA TAATATTAAG
2dtr_Thai    GACACGGAAA TAAAATTGGA AAAGTTAGAC AATTTTAAAA CTCAATGTGA TAATATTAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3425       3435       3445       3455       3465       3475
2d_SalI_Ge   CAAGAAATAG AAACATTAAA CACTAAATAT AAAGTGTTAG AAAAAAGGAT AGACACCCTA
2dtr_Thai    CAATAAATAG AAACATTAAA CACTAAATAT AAAGTGTTAG AAAAAAGGAT AGACACCCTA
Conservation *** ****** ********** ********** ********** ********** **********

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                3485       3495       3505       3515       3525       3535
2d_SalI_Ge   ATTGATGAAC AACATGCTAA AATTGTGACG TTGACAGATA AGCACATAAC AACCAAAGAT
2dtr_Thai    ATTGATGAAC AACATGCTAA AATTGTGACG TTGACAGATA AGCACATAAC AACCAAAGAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3545       3555       3565       3575       3585       3595
2d_SalI_Ge   AATATGATTA ATCAAAAGAT TGAACATAGC ACAAAATCGC TAGATGATAT GAAAACTAAG
2dtr_Thai    AATATGATTA ATCAAAAGAT TGAACATAGC ACAAAATCGC TAGATGATAT GAAAACTAAG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3605       3615       3625       3635       3645       3655
2d_SalI_Ge  TTGAATTCTC TCAAATTTAA CGATGATATC AGAAAGAATG AAAATGTCGA AATTCAAGGT
2dtr_Thai   TTGAATTCTC TCAAATTTAA CGATGATATC AGAAAGAATG AAAATGTCGA AATTCAAGGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3665       3675       3685       3695       3705       3715
2d_SalI_Ge  AAAATACAGG AATTTGAAAA AATGGTTCAA ACTATAGAGG AAAGTATAAA TAAAAATAAA
2dtr_Thai   AAAATACAGG AATTTGAAAA AATGGTTCAA ACTATAGAGG AAAGTATAAA TAAAAATAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3725       3735       3745       3755       3765       3775
2d_SalI_Ge  ACTAAAATAT ATGAAATTAA AGGAGTATAC GATGTGTACA AGGGTGAATT CAATGAAGAA
2dtr_Thai   ACTAAAATAT ATGAAATTAA AGGAGTATAC GATGTGTACA AGGGTGAATT CAATGAAGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3785       3795       3805       3815       3825       3835
2d_SalI_Ge  AAAAATAAAA GCACAAAAAT CGTAGAAAAA AAAAATAGCA TGGAAAAAGT TTATAACAAA
2dtr_Thai   AAAAATAAAA GCACAAAAAT CGTAGAAAAA AAAAATAGCA TGGAAAAAGT TTATAACAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3845       3855       3865       3875       3885       3895
2d_SalI_Ge  ATGGAAGATA CTCTTAAAAA ATTAGAAGAT ATAGATAACG AAAAAAATAT ATTAAATGAA
2dtr_Thai   ATGGAAGATA CTCTTAAAAA ATTAGAAGAT ATAGATAACG AAAAAAATAT ATTAAATGAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3905       3915       3925       3935       3945       3955
2d_SalI_Ge  ATAGAAAAGG CTGAAGTACT ATACAGGAAA GTTTTCATTC ATAATACTGT TCATATGATG
2dtr_Thai   ATAGAAAAGG CTGAAGTACT ATACAGGAAA GTTTTCATTC ATAATACTGT TCATATGATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               3965       3975       3985       3995       4005       4015
2d_SalI_Ge  GATAATGAAA CTAAAAAGTC TAAAAATTTG ATGGACCAAA TCGAATTGTC TAAAAGAGAA
2dtr_Thai   GATAATGAAA CTAAAAAGTC TAAAAATTTG ATGGACCAAA TCGAATTGTC TAAAAAAGAA
Conservation ********** ********** ********** ********** ********** *****.****

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4025       4035       4045       4055       4065       4075
2d_SalI_Ge  ATTGAGGAAA CAAAGAAGCA AATGCTTGAA TACAAAAATG ATGAGGTATC TAATTATGAT
2dtr_Thai   ATTGAGGAAA CAAAGAAGCA AATGCTTGAA TACAAAAATG ATGAGGTATC TAATTATGAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4085       4095       4105       4115       4125       4135
2d_SalI_Ge  TATATGAAAT ATTACAACCA GGCTACAGAG AGTAATGCTA AAATAAAAGA AACTTTTAAA
2dtr_Thai   TATATGAAAT ATTACAACCA GGCTACAGAG AGTAATGCTA AAATAAAAGA AACTTTTAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4145       4155       4165       4175       4185       4195
2d_SalI_Ge  AATGCTACAG ATAAGAAAGA AAAGGCTGAA AATATCGAAA AAGTAAGTGA AATCGATGAC
2dtr_Thai   AATGCTACAG ATCAGAAAGA AAAGGCTGAA AATATCGAAA AAGTAAGTGA AATCGATGAC
Conservation ********** **.******* ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4205       4215       4225       4235       4245       4255
2d_SalI_Ge  ATTAAAAACC AAGTTAATCA TAATTTACAT CAGATCCAAT CAGAAAATAG TTCTATAGAG
2dtr_Thai   ATTAAAAACC AAGTTAATCA TAATTTACAT CAGATCCAAT CAGAAAATAG TTCTATAGAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4265       4275       4285       4295       4305       4315
2d_SalI_Ge  GAGATGTTAA AACAAATTAA TAATATGAAA GATTTATTAA AAACGAACAG TTCTAAAGGA
2dtr_Thai   GAGATGTTAA AACAAATTAA TAATATGAAA GATTTATTAA AAACGAACAG TTCTAAAGGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4325       4335       4345       4355       4365       4375
2d_SalI_Ge  ATATCGGATA CAGTATTAAG TAGTACCAAA AATGCAGAAG AATTTGGCAA ACAAGCAATA
2dtr_Thai   ATATCGGATA CAGTATTAAG TAGTACCAAA AATGCAGAAG AATTTGGCAA ACAAGCAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4385       4395       4405       4415       4425       4435
2d_SalI_Ge  AGTGAATTTA ATAAAACGAA TGATGTAATA CAAGCAATCA GAGATTTGAT AACTAAGGCT
2dtr_Thai   AGTGAATTTA ATAAAACGAA TGATGTAATA CAAGCAATCA GAGATTTGAT AACTAAGGCT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4445       4455       4465       4475       4485       4495
2d_SalI_Ge  GAAGCACATA AAAATTTAAT CAATATAAAT TTAGAAGATG AAAAAATAAA TGCCGAAGTG
2dtr_Thai   GAAGCACATA AAAATTTAAT CAATATAAAT TTAGAAGATG AAAAAATAAA TGCCGAAGTG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4505       4515       4525       4535       4545       4555
2d_SalI_Ge  AAAGAAATTG AAAAAATTAA GGAACAAATT GCCAATAAGA AAGAAGAAAT AGAATCCCAT
2dtr_Thai   AAAGAAATTG AAAAAATTAA GGAACAAATT GCCAATAAGA AAGAAGAAAT AGAATCCCAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4565       4575       4585       4595       4605       4615
2d_SalI_Ge  CTGAGCAAGG CAAAAGAATT TAAAGAAAAA TGTTCCTCAG AAACAAGTAA CGCCAAAAGA
2dtr_Thai   CTGAGCAAGG CAAAAGAATT TAAAGAAAAA TGTTCCTCAG AAACAAGTAA CGCCAAAAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4625       4635       4645       4655       4665       4675
2d_SalI_Ge  GGTAAAAGTA AAATAGAATT TTTGCAAAGT CGTGAAGGCA GTTCGGAAGA GGTAGATATG
2dtr_Thai   GGTAAAAGTA AAATAGAATT TTTGCAAAGT CGTGAAGGCA GTTCGGAAGA GGTAGATATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4685       4695       4705       4715       4725       4735
2d_SalI_Ge  AAGGAGATAG AAGAAAATAT TACCAAAGCA GAAGGATATT TAAATCAAGC CATTGCTGCA
2dtr_Thai   AAGGAGATAG AAGAAAATAT TACCAAAGCA GAAGGATATT TAAATCAAGC CATTGCTGCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4745       4755       4765       4775       4785       4795
2d_SalI_Ge  GAAACAGAAG CTAATAAGAA TGTAGAATTG TTCGGTGAAC TTCAAAAAAA TATCTGTGAC
2dtr_Thai   GAAACAGAAG CTAATAAGAA TGTAGAATTG TTCGGTGAAC TTCAAAAAAA TATCTGTGAC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4805       4815       4825       4835       4845       4855
2d_SalI_Ge  ATTTTCGATG AATCATCAAT TTTAGGAATA GAGACTACAT CAAAGAAAAA AATTAATAAA
2dtr_Thai   ATTTTCGATG AATCATCAAT TTTAGGAATA GAGACTACAT CAAAGAAAAA AATTAATAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4865       4875       4885       4895       4905       4915
2d_SalI_Ge  GCAACAGAAA TAATGGAAGA AATTAAAAGG AAAAATTTTG AAATTCAAGG CGAGGTGAAA
2dtr_Thai   GCAACAGAAA TAATGGAAGA AATTAAAAGG AAAAATTTTG AAATTCAAGG CGAGGTGAAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4925       4935       4945       4955       4965       4975
2d_SalI_Ge  ATTTTCCATG AAACACTCGT TAAATTGAAA GAAACACACC CTGATAACAA CGTAGATGCT
2dtr_Thai   ATTTTCCATG AAACACTCGT TAAATTGAAA GAAACACACC CTGATAACAA CGTAGATGCT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               4985       4995       5005       5015       5025       5035
2d_SalI_Ge  GAACTTAACA ATGCGAAATC GACCAATGCA AATGTACTTA TACAAACTAA CCTAGAAATG
2dtr_Thai   GAACTTAACA ATGCGAAATC GACCAATGCA AATGTACTTA TACAAACTAA CCTAGAAATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5045       5055       5065       5075       5085       5095
2d_SalI_Ge  GTGGAACATA ACTTATCCGT AATAGCTAAA ATTAAACAGG AGGGAGAAAA TATATATAAT
2dtr_Thai   GTGGAACATA ACTTATCCGT AATAGCTAAA ATTAAACAGG AGGGAGAAAA TATATATAAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5105       5115       5125       5135       5145       5155
2d_SalI_Ge  AGAGCCTCAT CTACGATAAA TTCCATGACA GAAATCTCCA AAAATACTGA AAAAAAAACA
2dtr_Thai   AGAGCCTCAT CTACGATAAA TTCCATGACA GAAATCTCCA AAAATACTGA AAAAAAAACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5165       5175       5185       5195       5205       5215
2d_SalI_Ge  TTAGACAAGG CAAAAAGTGA CGAATCTAAA TATATATCCT ATTTAACCAA AATAACTTCA
2dtr_Thai   TTAGACAAGG CAAAAAGTGA CGAATCTAAA TATATATCCT ATTTAACCAA AATAACTTCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5225       5235       5245       5255       5265       5275
2d_SalI_Ge  GAAAGAGATC TAATCATTGA AGAAAGGAAT AAACTAAATG GTATAAGCCC CAATATAATA
2dtr_Thai   GAAAGAAATC TAATCATTGA AGAAAGGAAT AAACTAAATG GTATAAGCCC CAATATAATA
Conservation ******.*** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5285       5295       5305       5315       5325       5335
2d_SalI_Ge  AGTATAGAAA AGGAATTGAA TAAAGCCAGA AAGGATTACG AAATTGGACT TTTGCAAAAG
2dtr_Thai   AGTATAGAAA AGGAATTGAA TAAAGCCAGA AAGGATTACG AAATTGGACT TTTGCAAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5345       5355       5365       5375       5385       5395
2d_SalI_Ge  ATAGATGAAA TAGGCAAAAA CAGAAAAAAA GAATATTGAT TTGACAAAAG AATCAATAAA
2dtr_Thai   ATAGATGAAA TAGGCAAAAA CAGAAAAAAA -AATATTGAT TTGACAAAAG AATCAATAAA
Conservation ********** ********** **********  ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5405       5415       5425       5435       5445       5455
2d_SalI_Ge  ATTAACATTG AGCAACTTTT CTTCCCATTT CAAAGGATTT GATTTAAAGG AATATGTCTT
2dtr_Thai   ATTAACATTG AGCAACTTTT CTTCCCATTT CAAAGGATTT GATTTAAAGG AATATGTCTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5465       5475       5485       5495       5505       5515
2d_SalI_Ge  TAATAAAAAT ATAAATGACT ATGAACAAAA GATGAAAGAA ATACATGACA AATATGACAA
2dtr_Thai   TAATAAAAAT ATAAATGACT ATGAACAAAA GATGAAAGAA ATACATGACA AATATGACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5525       5535       5545       5555       5565       5575
2d_SalI_Ge  ATCGATAAAT AAAATTAGTA AAAACTTGAA AAAGGCTGAA GAGGATAATA CAAACTATAC
2dtr_Thai   ATCGATAAAT AAAATTAGTA AAAACTTGAA AAAGGCTGAA GAGGATAATA CAAACTATAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5585       5595       5605       5615       5625       5635
2d_SalI_Ge  CCTAGCGAAT GAGCTGAGGA AAGAAGCGCA ACAAGAAAAA GCAGAACTTA CAAATATACA
2dtr_Thai   CCTAGCGAAT GAGCTGAGGA AAGAAGCGCA ACAAGAAAAA GCAGAACTTA CAAATATACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5645       5655       5665       5675       5685       5695
2d_SalI_Ge  AGAAGAAGTA AATAAATATT TAAGGGATAT AAAAAAATGG GAATCATTCA GATTTATACT
2dtr_Thai   AGAAGAAGTA AATAAATATT TAAGGGATAT AAAAAAATGG GAATCATTCA GATTTATACT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5705       5715       5725       5735       5745       5755
2d_SalI_Ge  TGATATGAAA GACAATTTAA GTAATATAAA TACACTGATT AAACAAGAAG AATTAAAGGT
2dtr_Thai   TGATATGAAA GACAATTTAA GTAATATAAA TACACTGATT AAACAAGAAG AATTAAAGGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5765       5775       5785       5795       5805       5815
2d_SalI_Ge  TAATGATGGA TATGAATACA TTAAACAATT AGTTGACAAT ATTAAAGAGT CAAATGATGA
2dtr_Thai   TAATGATGGA TATGAATACA TTAAACAATT AGTTGACAAT ATTAAAGAGT CAAATGATGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5825       5835       5845       5855       5865       5875
2d_SalI_Ge  AAGCAGTATA TCAGATAACT TACAAAAAGG AAAAGAAAAA AATGTAGAAA TACAGAACAA
2dtr_Thai   AAGCAGTATA TCAGATAACT TACAAAAAGG AAAAGAAAAA AATGTAGAAA TACAGAACAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5885       5895       5905       5915       5925       5935
2d_SalI_Ge  AATGCAATCT ACGTATAAAA ACAAGGCAAA AGTTATTTTA GGACATATAA TTGACTCCGC
2dtr_Thai   AATGCAATCT ACGTATAAAA ACAAGGCAAA AGTTATTTTA GGACATATAA TTGACTCCGC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5945       5955       5965       5975       5985       5995
2d_SalI_Ge  AAAATTTATA GATATTAATA TAATTACAAA ATCACCACTA AACGAATTGT CTTCAGAATC
2dtr_Thai   AAAATTTATA GATATTAATA TAATTACAAA ATCACCACTA AACGAATTGT CTTCAGAATC
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6005       6015       6025       6035       6045       6055
2d_SalI_Ge   ACATTTGATG AATGCAGGAG AATTAAAATT TCAGCAAGAA AATAAAGTAA CATTAGAAAC
2dtr_Thai    ACATTTGATG AATGCAGGAG AATTAAAATT TCAGCAAGAA AATAAAGTAA CATTAGAAAC
Conservation ********** ********** ********** ********** ********** **********

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                6065       6075       6085       6095       6105       6115
2d_SalI_Ge   AGAACATATG ACAAACAATA AGAGCGAATT AGATGTTTAT AAAAATATAC GCGATGCTTA
2dtr_Thai    AGAACATATG ACAAACAATA AGAGCGAATT AGATGTTTAT AAAAATATAC GCGATGCTTA
Conservation ********** ********** ********** ********** ********** **********

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                6125       6135       6145       6155       6165       6175
2d_SalI_Ge   CAACATCGTT GTGGAGATAA TTGCATATTC AGATAAAATA GACACAAAAC AAAGACAAAG
2dtr_Thai    CAACATCGTT GTGGAGATAA TTGCATATTC AGATAAAATA GACACAAAAC AAAGACAAAG
Conservation ********** ********** ********** ********** ********** **********

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                6185       6195       6205       6215       6225       6235
2d_SalI_Ge   TACACAATTA TTGGATGATG GAAATGATAT ATATCTTACG CTAAAGTCAA TAAACGAGCT
2dtr_Thai    TACACAATTA TTGGATGATG GAAATGATAT ATATCTTACG CTAAAGTCAA TAAACGAGCT
Conservation ********** ********** ********** ********** ********** **********

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                6245       6255       6265       6275       6285       6295
2d_SalI_Ge   AAAAAATAAA ATAAACTCTG TAAAAAGTAA AGAAAATGCT ATTTCAGGCA AAATAGATAA
2dtr_Thai    AAAAAATAAA ATAAACTCTG TAAAAAGTAA AGAAAATGCT ATTTCAGGCA AAATAGATAA
Conservation ********** ********** ********** ********** ********** **********

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                6305       6315       6325       6335       6345       6355
2d_SalI_Ge   TATTTCAAAC AAACTTAATG AGTTAAACAA AATTACATGT GATGATAAAA GTTACGATAA
2dtr_Thai    TATTTCAAAC AAACTTAATG AGTTAAACAA AATTACATGT GATGATAAAA GTTACGATAA
Conservation ********** ********** ********** ********** ********** **********

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                6365       6375       6385       6395       6405       6415
2d_SalI_Ge   TATTTTAGAC ATAATAAAAC ATACAGAATT AAAAACTATA CGTGATTCTT TTAAACAAGA
2dtr_Thai    TATTTTAGAC ATAATAAAAC ATACAGAATT AAAAACTATA CGTGATTCTT TTAAACAAGA
Conservation ********** ********** ********** ********** ********** **********

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                6425       6435       6445       6455       6465       6475
2d_SalI_Ge   AAAAATTAAC AAAAAGAGCG ATTCTAAATT GGAAAAAATA AAGGAAGAAT TTGAAAATTC
2dtr_Thai    AAAAATTAAC AAAAAGAGCG ATTCTAAATT GGAAAAAATA AAGGAAGAAT TTGAAAATTC
Conservation ********** ********** ********** ********** ********** **********

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                6485       6495       6505       6515       6525       6535
2d_SalI_Ge   AAAAAATACA TTAAAAAATA TAGAAGAAGA AGTTAATGCT CTAAAGGCTA GTTTGGTAAA
2dtr_Thai    AAAAAATACA TTAAAAAATA TAGAAGAAGA AGTTAATGCT CTAAAGGCTA GTTTGGTAAA
Conservation ********** ********** ********** ********** ********** **********

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                6545       6555       6565       6575       6585       6595
2d_SalI_Ge   ACATGATAAT ATACAAAGCA GAAACAAGCC AATTGATGAT GTGCTAATCG AAATAGAAAA
2dtr_Thai    ACATGATAAT ATACAAAGCA GAAACAAGCC AATTGATGAT GTGCTAATCG AAATAGAAAA
Conservation ********** ********** ********** ********** ********** **********
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                6605       6615       6625       6635       6645       6655
2d_SalI_Ge   AACAGAAAAA GGTATAGATA GTTTTAGTGC CTCCCTTGAT GAGATGTTGA AGAAAGGAAG
2dtr_Thai    AACAGAAAAA GGTATAGATA GTTTTAGTGC CTCCCTTGAT GAGATGTTGA AGAAAGGAAG
Conservation ********** ********** ********** ********** ********** **********

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                6665       6675       6685       6695       6705       6715
2d_SalI_Ge   AGAATGCGAA ATATTTAGGT ATACATCCAT AAAAGATGGT GTTATCGCAA AAATAAATGA
2dtr_Thai    AGAATGCGAA ATATTTAGGT ATACATCCAT AAAAGATGGT GTTATCGCAA AAATAAATGA
Conservation ********** ********** ********** ********** ********** **********

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                6725       6735       6745       6755       6765       6775
2d_SalI_Ge   TGACGCAGAA TTAATCGATA ATATACACAA TAATACTAAT GAATATTTGA CATATGTTCA
2dtr_Thai    TGACGCAGAA TTAATCGATA ATATACACAA TAATACTAAT GAATATTTGA CATATGTTCA
Conservation ********** ********** ********** ********** ********** **********

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                6785       6795       6805       6815       6825       6835
2d_SalI_Ge   AAAAAATTAT AGTGAAACAG CAGAGGATGT TCGTACATTA AATCAACATT TCATGACAGA
2dtr_Thai    AAAAAATTAT AGTGAAACAG CAGAGGATGT TCGCACATTA AATCAACATT TCATGACAGA
Conservation ********** ********** ********** *** ****** ********** **********

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                6845       6855       6865       6875       6885       6895
2d_SalI_Ge   AACGATAAGC GATCATGCGC CAACTAATTA CGAAACATCA AATAAATCTT ATGAAGAGAT
2dtr_Thai    AACGATAAGC GATCATGCGC CAACTAATTA CGAAACATCA AATAAATCTT ATGAAGAGAT
Conservation ********** ********** ********** ********** ********** **********

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                6905       6915       6925       6935       6945       6955
2d_SalI_Ge   AACTGAAGCT GTTAATAATT CCAAAGCAAT AATAGATAAT ATACAAAATT CAATTATACA
2dtr_Thai    AACTGAAGCT GTTAATAATT CCAAAGCAAT AATAGATAAT ATACAAAATT CAATTATACA
Conservation ********** ********** ********** ********** ********** **********

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                6965       6975       6985       6995       7005       7015
2d_SalI_Ge   AGTTAACGAA AAAACGGAAA TTAGTTCTTT AGAAAATAGC GCAGAAAAAA TAGAAAAGCT
2dtr_Thai    AGTTAACGAA AAAACGGAAA TTAGTTCTTT AGAAAATAGC GCAGAAAAAA TAGAAAAGCT
Conservation ********** ********** ********** ********** ********** **********

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                7025       7035       7045       7055       7065       7075
2d_SalI_Ge   TTATAAAGAA TTACAGGATA AAAAAAACAC CATAAACGAA ATTTATAAAA AGGCTAACAT
2dtr_Thai    TTATAAAGAA TTACAGGATA AAAAAAACAC CATAAACGAA ATTTATAAAA AGGCTAACAT
Conservation ********** ********** ********** ********** ********** **********

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                7085       7095       7105       7115       7125       7135
2d_SalI_Ge   AGTTAAATTG CAAGAAATAA AATCAGATGC TGATAAATAT TTGGATGTAG CTAACATATT
2dtr_Thai    AGTTAAATTG CAAGAAATAA AATCAGATGC TGATAAATAT TTGGATGTAG CTAACATATT
Conservation ********** ********** ********** ********** ********** **********

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                7145       7155       7165       7175       7185       7195
2d_SalI_Ge   TAATAATGTA TTGGACGGTC AAAAATCAAG AATAATAAAT AACCTAGGTA AAATAGCCCA
2dtr_Thai    TAATAATGTA TTGGACGGTC AAAAATCAAG AATAATAAAT AACCTAGGTA AAATAGCCCA
Conservation ********** ********** ********** ********** ********** **********
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                7205       7215       7225       7235       7245       7255
2d_SalI_Ge   AGTTAAAGAA ACAATAAACC TAAAACTGAA GAAATTGGTT GAGACTGACA ATACATTTAC
2dtr_Thai    AGTTAAAGAA ACAATAAACC TAAAACTGAA GAAATTGGTT GAGACTGACA ATACATTTAC
Conservation ********** ********** ********** ********** ********** **********

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                7265       7275       7285       7295       7305       7315
2d_SalI_Ge   GACAGAGTCT ATTAACAGGT TTGGAGAAAT TTATAATGAC ATTAAGACTA GTATAGATGA
2dtr_Thai    GACAGAGTCT ATTAACAGGT TTGGAGAAAT TTATAATGAC ATTAAGACTA GTATAGATGA
Conservation ********** ********** ********** ********** ********** **********

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                7325       7335       7345       7355       7365       7375
2d_SalI_Ge   ACTGGAAATT ATAGAACAAA CAAATTATAG CGAACAAAAT GATGTAAAAA ATCATAAAGA
2dtr_Thai    ACTGGAAATT ATAGAACAAA CAAATTATAG CGAACAAAAT GATGTAAAAA ATCATAAAGA
Conservation ********** ********** ********** ********** ********** **********

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                7385       7395       7405       7415       7425       7435
2d_SalI_Ge   AAAAATTACA TACTTAATAA GCAGAAGAGA AACTTTAGAA AGTGACCTAA AAGGACATGA
2dtr_Thai    AAAAATTACA TACTTAATAA GCAGAAGAGA AACTTTAGAA AGTGACCTAA AAGGACATGA
Conservation ********** ********** ********** ********** ********** **********

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                7445       7455       7465       7475       7485       7495
2d_SalI_Ge   AGAGGACACA AATGTGAAAA AATTAAATGC GAATACATTA AGTGAAGTAA ATATTGGCAT
2dtr_Thai    AGAGGACACA AATGTGAAAA AATTAAATGC GAATACATTA AGTGAAGTAA ATATTGGCAT
Conservation ********** ********** ********** ********** ********** **********

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                7505       7515       7525       7535       7545       7555
2d_SalI_Ge   TGCAAGTGCA AAAGAAGCTA TAAGCAACTC AGAGGAAGTA TTTAAGAAAT TATTAAGAAA
2dtr_Thai    TGCAAGTGCA AAAGAAGCTA TAAGCAACTC AGAGGAAGTA TTTAAGAAAT TATTAAGAAA
Conservation ********** ********** ********** ********** ********** **********

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                7565       7575       7585       7595       7605       7615
2d_SalI_Ge   AATAGAAGAA AATGAAAGAT TATGTAATAA TAATGATGCA AAGAATTTTA TTTCGGATAT
2dtr_Thai    AATAGAAGAA AATGAAAGAT TATGTAATAA TAATGATGCA AAGAATTTTA TTTCGGATAT
Conservation ********** ********** ********** ********** ********** **********

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                7625       7635       7645       7655       7665       7675
2d_SalI_Ge   TATGCAAAAT ATAGATGATC TGAATAAACG TTTCACAAAA AATATACCAG AAAGAGAAAA
2dtr_Thai    TATGCAAAAT ATAGATGATC TGAATAAACG TTTCACAAAA AATATACCAG AAAGAGAAAA
Conservation ********** ********** ********** ********** ********** **********

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                7685       7695       7705       7715       7725       7735
2d_SalI_Ge   ACTTTTTGAA ATAGAAAAGG ATTATATATA ATGAAATTAA TTCCATTTTC AATGAAATAA
2dtr_Thai    ACTTTTTGAA ATAGAAAAGG ATTATATATA ATGAAATTAA TTCCATTTTC AATGAAATAA
Conservation ********** ********** ********** ********** ********** **********

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                7745       7755       7765       7775       7785       7795
2d_SalI_Ge   GAACACTTAA CGTTGACGAA TTTGTTGAAA AAATGTATAA ACAAATTGAT AGTGAAAAGG
2dtr_Thai    GAACACTTAA CGTTGACGAA TTTGTTGAAA AAATGTATAA ACAAATTGAT AGTGAAAAGG
Conservation ********** ********** ********** ********** ********** **********
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                7805       7815       7825       7835       7845       7855
2d_SalI_Ge   AAAGCGTAAA TAACATAACA GATACTGATA AGATAAGTGT TGCAATTCAA AATGTTACAA
2dtr_Thai    AAAGCGTAAA TAACATAACA GATACTGATA AGATAAGTGT TGCAATTCAA AATGTTACAA
Conservation ********** ********** ********** ********** ********** **********

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                7865       7875       7885       7895       7905       7915
2d_SalI_Ge   ATTACGATGC AGAAATAAAA GGCTTATTGT CTAGAACTAT TAACGTATTA GAAAGAATAA
2dtr_Thai    ATTACGATGC AGAAATAAAA GGCTTATTGT CTAGAACTAT TAACGTATTA GAAAGAATAA
Conservation ********** ********** ********** ********** ********** **********

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                7925       7935       7945       7955       7965       7975
2d_SalI_Ge   GTAGAAGGAA AGCGGAAATG GATACTTTAT TCAATAGTCT ATCATCGAAT AATAAAAACC
2dtr_Thai    GTAGAAGGAA AGCGGAAATG GATACTTTAT TCAATAGTCT ATCATCGAAT AATAAAAACC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7985       7995       8005       8015       8025       8035
2d_SalI_Ge   TAAATGAAAA TGCAAAAAGA TACATGAATG ATTCAGCTGA AATAATTAAT CAATTAAATA
2dtr_Thai    TAAATGAAAA TGCAAAAAGA TACATGAATG ATTCAGCTGA AATAATTAAT CAATTAAATA
Conservation ********** ********** ********** ********** ********** **********

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                8045       8055       8065       8075       8085       8095
2d_SalI_Ge   GCCATGTTCA AAAAATAACA AAACTGAAAA CATATGCAAA TGAGGTAATT GAACAATTAC
2dtr_Thai    GCCATGTTCA AAAAATAACA AAACTGAAAA CATATGCAAA TGAGGTAATT GAACAATTAC
Conservation ********** ********** ********** ********** ********** **********

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                8105       8115       8125       8135       8145       8155
2d_SalI_Ge   AAAAAGAACT AACAAGATTA TTAGATCAAC GTAAAATTGA AATTCCAGTT GATGATACTC
2dtr_Thai    AAAAAGAACT AACAAGATTA TTAGATCAAC GTAAAATTGA AATTCCAGTT GATGATACTC
Conservation ********** ********** ********** ********** ********** **********

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                8165       8175       8185       8195       8205       8215
2d_SalI_Ge   AAACTTCTTT AAGTACCGAG GACGTAAAAG AAGAAACTGC TAATCAGAAG GAGCTAGAAA
2dtr_Thai    AAACTTCTTT AAGTACCGAG GACGTAAAAG AAGAAACTGC TAATCAGAAG GAGCTAGAAA
Conservation ********** ********** ********** ********** ********** **********

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                8225       8235       8245       8255       8265       8275
2d_SalI_Ge   CTGATAAGCA GAAGGAGCTA GAAAAAGCCA TAGAAAAGGA ACAAGAAGAA GCTGTAGAAG
2dtr_Thai    CTGATAAGCA GAAGGAGCTA GAAAAAGCCA TAGAAAAGGA ACAAGAAGAA GCTGTAGAAG
Conservation ********** ********** ********** ********** ********** **********

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                8285       8295       8305       8315       8325       8335
2d_SalI_Ge   GTGAACTACA AAAAACTATA GAAGTGGAAA AAGAATCTGC TATAAAAGAG GAACAAGAAA
2dtr_Thai    GTGAACTACA AAAAACTATA GAAGTGGAAA AAGAATCTGC TATAAAAGAG GAACAAGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8345       8355       8365       8375       8385       8395
2d_SalI_Ge   CTCCTGAGCA GGAGGAACGA GAAACATCTA TAAATCAGGA ACCAGAACAT GTTACTTATG
2dtr_Thai    CTCCTGAGCA GGAGGAACGA GAAACATCTA TAAATCAGGA ACCAGAACAT GTTACTTATG
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8405       8415       8425       8435       8445       8455
2d_SalI_Ge   AGACACTAGG ATATGATACA CCACATGCCC AAGAAAACGA GAGCGATGGT ACTCAACACG
2dtr_Thai    AGACACTAGG ATATGATACA CCACATGCCC AAGAAAACGA GAGCGATGGT ACTCAACACG
Conservation ********** ********** ********** ********** ********** **********

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                8465       8475       8485       8495       8505       8515
2d_SalI_Ge   ACGATTCAGA AAGAGATGAT AAATCAAAGG CAAAAGATGC AATGGGAAGA ACTCGTTTGG
2dtr_Thai    ACGATTCAGA AAGAGATGAT AAATCAAAGG CAAAAGATGC AATGGGAAGA ACTCGTTTGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8525       8535       8545       8555       8565       8575
2d_SalI_Ge   CAGGAGCTAT TATTATCGGT TTATCTTTTT TTCCCGGAGT TCTTGTATTA GCATTTAGGG
2dtr_Thai    CAGGAGCTAT TATTATCGGT TTATCTTTTT TTCCCGGAGT TCTTGTATTA GCATTTAGGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8585       8595       8605       8615       8625       8635
2d_SalI_Ge   ACACGCAAAC AGAAGAAGAG GAAAGCCATG AACATGATCA TCATCAAGCA TTTGGAGGTA
2dtr_Thai    ACACGCAAAC AGAAGAAGAG GAAAGCCATG AACATGATTA TCATCAAGCA TTTGGAGGTA
Conservation ********** ********** ********** ******** * ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8645       8655       8665       8675       8685       8695
2d_SalI_Ge   CTGATGATTA TAATATGCAA GATAAAGAAG AAGTTATCGA AGTCTGTTTT AATGAGGATG
2dtr_Thai    CTGATGATTA TAATATGCAA GATAAAGAAG AAGTTATCGA AGTCTGTTTT AATGAGGATG
Conservation ********** ********** ********** ********** ********** **********

             ....|
                8705
2d_SalI_Ge   ATTAA
2dtr_Thai    ATTAA
Conservation *****
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Alignment: Pvrbp2e

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      ATGGAAAAGA ACCTATTTTT TGTGATCTTT TGTAACCTCT TGTTTATTCT TTCCGCAGTA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 65         75         85         95        105        115
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TGTAAAGACA ATAACAAAAA CCAACCTAAC AGGCTCAAAA GGGATTTCAA GCTATCACCA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                125        135        145        155        165        175
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      ATACATGCCA CTTCCTTGGG AAGTGACCAG TTCGAACATG GCAGTGAAGC AAAGGGGAAC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                185        195        205        215        225        235
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      GAACAAAATA ATCGTAACAG TGACAATGAT TACAGTAATG AGCACCCTAA TGATGATAAC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                245        255        265        275        285        295
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      AAAATAAGAG GAGAAAACGT AAACACGACT CACTTACGAA ATAATTCATC CTTTATATCC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                305        315        325        335        345        355
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TTAAAAAATT ATAAAATTGC AAGAAAACCA TCTCGCTATT CATACCTAGA TAAGGACAAC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                365        375        385        395        405        415
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      ACATATGCAG TTACTACCAA AAATAATGAT AAAAAAAACT TACAGAAAGA GATTAATACT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                425        435        445        455        465        475
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      ATTCCAAGTA CATTCATACA AAAAACTCAT TATGAACCCC AGAGAGTGAG TGATTCATGC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                485        495        505        515        525        535
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      GATTAATCTG GATTATGTTT GTATCTACGG TGACCATAAA AGTATAATTT CTTTATTGTA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                545        555        565        575        585        595
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TCCATATAAT CCTGAAATTT ATGCTTTTAG AGAACTGAGA AGTTATGCAC TACTTGACGA
Conservation
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                605        615        625        635        645        655
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      AGAAATGAAG AGAGCAATCG ACGAAACGTA TAATGTCGAA ATACCTCGCA TTGAAAACAT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                665        675        685        695        705        715
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TGTGTCTCAA AGTTTGAATG AATGCTCAGA TCAAATAAGA CAATTGAATA CATTAATATA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                725        735        745        755        765        775
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TCATCTAGAA AATCCAGAAG GACATGGAAT TCAAGAACGT GTATACGGTA CTAAGAAGCA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                785        795        805        815        825        835
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      AGAGTACAAA AACAGACTTC AATCTTTACA TCAATGCATA AAAGAAAAAT ATAAGAAAAA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                845        855        865        875        885        895
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TGAGAAAGAA ATTTTACTAA GACAAATATC TACGAAACTA TAAAGGATAT ATCGTGCAAC
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                905        915        925        935        945        955
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TGGATACACT TGTGTTCAAC AGATATATAT TATAATATGA TTAAGATACG TGAGATAAAT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                965        975        985        995       1005       1015
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      GTTAAAGAAT ATGACGTTAG ATCAATTACT TCATACTTTA ATGCAACTAA GAAAATACAT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1025       1035       1045       1055       1065       1075
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      AGGTCTGGTG AAGATACAAT AAAGAGAGTA AAAAAACAGT TAAATAATAG TCTTGCCTAT
Conservation

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                1085       1095       1105       1115       1125       1135
2e_Brazil    ---------- ---------- ---------- ---------- --------AT GAGTCAACAC
2e_Thai      GAAACAGTAG AATTTATATT AGAAGAAATT AAATATATTA CAGAAAAAAT GAGTCAACAC
Conservation                                                    ** **********

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                1145       1155       1165       1175       1185       1195
2e_Brazil    TTAGAAAAAG TTAAGCAAGA AACTGAAACT ATAAATAAGC TTTCTAAACA AGAAGTCTGG
2e_Thai      TTAGAAAAAG TTAAGCAAGA AACTGAAACT ATAAATAAGC TTTCTAAACA AGAAGTCTGG
Conservation ********** ********** ********** ********** ********** **********
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                1205       1215       1225       1235       1245       1255
2e_Brazil    TCCCACTTCT TTCGATTTAA TCTTCAAAGG GAATTATTCT TTTTAGCCTA CAGCTATTCC
2e_Thai      TCCCACTTCT TTCGATTTAA TCTTCAAAGG GAATTATTCT TTTTAGCCTA CAGCTATTCC
Conservation ********** ********** ********** ********** ********** **********

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                1265       1275       1285       1295       1305       1315
2e_Brazil    AGTTTTAAAT TTAGTACTGA CAATTTAAGA GTCTTGAAAA ATGTGTCCGA GAGCAAAACA
2e_Thai      AGTTTTAAAT TTAGTACTGA CAATTTAAGA GTCTTGAAAA ATGTGTCCGA GAGCAAAACA
Conservation ********** ********** ********** ********** ********** **********

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                1325       1335       1345       1355       1365       1375
2e_Brazil    GGAAAACTTT ATCAATATTT TGCAAAATTC GAGGGCAGTC TCAACCACAT AATAAATACT
2e_Thai      GGAAAACTTT ATCAATATTT TGCAAAATTC GAGGGCAGTC TCAACCACAT AATAAATACT
Conservation ********** ********** ********** ********** ********** **********

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                1385       1395       1405       1415       1425       1435
2e_Brazil    CTTATGTCCT CTAAATATTC CACGTCAAGT ATTAATTCTG TTCTCTCGGA TTCTGAGGAA
2e_Thai      CTTATGTCCT CTAAATATTC CACGTCAAGT ATTAATTCTG TTCTCTCGGA TTCTGAGGAA
Conservation ********** ********** ********** ********** ********** **********

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                1445       1455       1465       1475       1485       1495
2e_Brazil    ATTTTAAAAT CTGTAGAAAC ATTACGCAGT TCTACGTCCG AGCAGATAAA AGAACATGTA
2e_Thai      ATTTTAAAAT CTGTAGAAAC ATTACGCAGT TCTACGTCCG AGCAGATAAA AGAACATGTA
Conservation ********** ********** ********** ********** ********** **********

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                1505       1515       1525       1535       1545       1555
2e_Brazil    CTTTATTCGA ATGCCCAAAT AGAAGAGGCT AAGAAAATTT TAGATGAAAA AATGCTTAAA
2e_Thai      CTTTATTCGA ATGCCCAAAT AGAAGAGGCT AAGAAAATTT TAGATGAAAA AATGCTTAAA
Conservation ********** ********** ********** ********** ********** **********

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                1565       1575       1585       1595       1605       1615
2e_Brazil    TTAGAAGAAT ATGCACAAGA AACAAAAGGG GTAATTAAAA CAGTAAATGA AACATTTAAA
2e_Thai      TTAGAAGAAT ATGCACAAGA AACAAAAGGG GTAATTAAAA CAGTAAATGA AACATTTAAA
Conservation ********** ********** ********** ********** ********** **********

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                1625       1635       1645       1655       1665       1675
2e_Brazil    TTAAATATAA TAGCAAGTGA AGAAATAGAA AAGAAAAGAC GCGAAACTAA CAAAAACAAA
2e_Thai      TTAAATATAA TAGCAAGTGA AGAAATAGAA AAGAAAAGAC GCGAAACTAA CAAAAACAAA
Conservation ********** ********** ********** ********** ********** **********

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                1685       1695       1705       1715       1725       1735
2e_Brazil    ACTTCTCTAG AAAAATGTAA GATATTCGTA GAAGTTATAG ACTTAATAAA ATCAAATAAA
2e_Thai      ACTTCTCTAG AAAAATGTAA GATATTCGTA GAAGTTATAG ACTTAATAAA ATCAAATAAA
Conservation ********** ********** ********** ********** ********** **********

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                1745       1755       1765       1775       1785       1795
2e_Brazil    TATAAGGCAA CCCAAAATAA TAAAAAAATA GAGGAACTTT CAAAACAGAT TATCACTATA
2e_Thai      TATAAGGCAA CCCAAAATAA TAAAAAAATA GAGGAACTTT CAAAACAGAT TATCACTATA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1805       1815       1825       1835       1845       1855
2e_Brazil    AAAAGCAATT TTCAACAATC AGAGACAGCT ATTAACGAAG ATGTGCAAAA AATTAAAGAA
2e_Thai      AAAAGCAATT TTCAACAATC AGAGACAGCT ATTAACGAAG ATGTGCAAAA AATTAAAGAA
Conservation ********** ********** ********** ********** ********** **********

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                1865       1875       1885       1895       1905       1915
2e_Brazil    TTAATTGAAA ATGAAAAAAA ACGTCGTTCC ATGAAAGATG AAATAAAAAA ACATTTGAAA
2e_Thai      TTAATTGAAA ATGAAAAAAA ACGTCGTTCC ATGAAAGATG AAATAAAAAA ACATTTGAAA
Conservation ********** ********** ********** ********** ********** **********

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                1925       1935       1945       1955       1965       1975
2e_Brazil    TATTTTCCTG AGACGGTGGA TAACATAAAA AAAATCATTT CCCAAAGGGA AGAAATAGAA
2e_Thai      TATTTTCCTG AGACGGTGGA TAACATAAAA AAAATCATTT CCCAAAGGGA AGAAATAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1985       1995       2005       2015       2025       2035
2e_Brazil    AAATATATTC TAAGCATTGA AAATTTGATT AAAGACGCGC CCTCTGCTGT GGACGAATTT
2e_Thai      AAATATATTC TAAGCATTGA AAATTTGATT AAAGACGCGC CCTCTGCTGT GGACGAATTT
Conservation ********** ********** ********** ********** ********** **********

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                2045       2055       2065       2075       2085       2095
2e_Brazil    ACAACTGAAA AAACGGAATT GCAAGACAAA GCAAAATCAA TCGTTGATTC ATTTTATAAG
2e_Thai      ACAACTGAAA AAACGGAATT GCAAGACAAA GCAAAATCAA TCGTTGATTC ATTTTATAAG
Conservation ********** ********** ********** ********** ********** **********

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                2105       2115       2125       2135       2145       2155
2e_Brazil    GAAAATTTAC AAACATTTGT AGACGATTTA GCAGAATTTT ATACAAAACA TCAAGCCTTA
2e_Thai      GAAAATTTAC AAACATTTGT AGACGATTTA GCAGAATTTT ATACAAAACA TCAAGCCTTA
Conservation ********** ********** ********** ********** ********** **********

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                2165       2175       2185       2195       2205       2215
2e_Brazil    GACAAGGAAG AAAATACTAA AGAAGAAACT GAAGCATTGT ACGAAAAAAC GAAAGAAAAA
2e_Thai      GACAAGGAAG AAAATACTAA AGAAGAAACT GAAGCATTGT ACGAAAAAAC GAAAGAAAAA
Conservation ********** ********** ********** ********** ********** **********

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                2225       2235       2245       2255       2265       2275
2e_Brazil    TATCAACAGC TTGTAGATAT GAAGTGCGAT GGTATACCAG AAATGTTAAA CAATTTGAGT
2e_Thai      TATCAACAGC TTGTAGATAT GAAGTGCGAT GGTATACCAG AAATGTTAAA CAATTTGAGT
Conservation ********** ********** ********** ********** ********** **********

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                2285       2295       2305       2315       2325       2335
2e_Brazil    GAAGTGTTAA ATAGTCTCAC ACAGCTAAAG AACAAAATTA TAGAGGGGAA TATTCAAAAT
2e_Thai      GAAGTGTTAA ATAGTCTCAC ACAGCTAAAG AACAAAATTA TAGAGGGGAA TATTCAAAAT
Conservation ********** ********** ********** ********** ********** **********

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                2345       2355       2365       2375       2385       2395
2e_Brazil    ATCAAAAAAG ATGTGTCAAG TTCGTTAAAG AATCTAACTG AAGAAACAGA CCGATTAAAA
2e_Thai      ATCAAAAAAG ATGTGTCAAG TTCGTTAAAG AATCTAACTG AAGAAACAGA CCGATTAAAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2405       2415       2425       2435       2445       2455
2e_Brazil    AATAGCCTGA AGGACTACGA GCAAAGTGCA GATAAACTGA AAACCTACAT AAATAGCATA
2e_Thai      AATAGCCTGA AGGACTACGA GCAAAGTGCA GATAAACTGA AAACCTACAT AAATAGCATA
Conservation ********** ********** ********** ********** ********** **********

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                2465       2475       2485       2495       2505       2515
2e_Brazil    AACGGGATAA AAGACAAAGT TCGAACTACT TTAATCGAAA AAGATGAAGA CATTCCAGAA
2e_Thai      AACGGGATAA AAGACAAAGT TCGAACTACT TTAATCGAAA AAGATGAAGA CATTCCAGAA
Conservation ********** ********** ********** ********** ********** **********

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                2525       2535       2545       2555       2565       2575
2e_Brazil    TTAAAAACTA CCTATGAAGA ATATACAAAG CAAAAGGGCG AAG------- ----------
2e_Thai      TTAAAAACTA CCTATGAAGA ATATACAAAG CAAAAGGGCG AAGGTACTAA TAAGGAAAGC
Conservation ********** ********** ********** ********** ***

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2585       2595       2605       2615       2625       2635
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      ACAGTAACAC ACGATATTGA CGTACTCAAA GAAAATATAA GAAAGGCTAA CGAACAAATT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2645       2655       2665       2675       2685       2695
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TAAACTTACA AAAACGTAAT GCAAAGATTA GAAACACAGA ATAGTGAGAC ATATCAGGAA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2705       2715       2725       2735       2745       2755
2e_Brazil    ---------- ------AAGG TTTTAACACT AAAATCGAAA GTTTAGAATT TGAAAAACTT
2e_Thai      ACTAAAACTT TGTTAGAAGG TTTTAACACT AAAATCGAAA GTTTAGAATT TGAAAAACTT
Conservation                 **** ********** ********** ********** **********

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                2765       2775       2785       2795       2805       2815
2e_Brazil    CAAGATGAAT TAAGGAGTCA CAAAGAATCC GCTAGTAGTA CCATAAACCA AATAGAAAAT
2e_Thai      CAAGATGAAT TAAGGAGTCA CAAAGAATCC GCTAGTAGTA CCATAAACCA AATAGAAAAT
Conservation ********** ********** ********** ********** ********** **********

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                2825       2835       2845       2855       2865       2875
2e_Brazil    ACAAAAAAAG TTATAGACAC GCTGAAGTCT TTAAATACTC TCACAAAGAA CTCCAACACA
2e_Thai      ACAAAAAAAG TTATAGACAC GCTGAAGTCT TTAAATACTC TCACAAAGAA CTCCAACACA
Conservation ********** ********** ********** ********** ********** **********

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                2885       2895       2905       2915       2925       2935
2e_Brazil    AACGAACAAT CGATCGCAAA AATAAAAGAG AGAAAGAATG ATTTAGTAAA AAAAATAGAT
2e_Thai      AACGAACAAT CGATCGCAAA AATAAAAGAG AGAAAGAATG ATTTAGTAAA AAAAATAGAT
Conservation ********** ********** ********** ********** ********** **********

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                2945       2955       2965       2975       2985       2995
2e_Brazil    AAACATATTG AAGCATTAAA TAGTTACAAC ATAGTAGAAG ATAAAGAAAG AACATCCCTT
2e_Thai      AAACATATTG AAGCATTAAA TAGTTACAAC ATAGTAGAAG ATAAAGAAAG AACATCCCTT
Conservation ********** ********** ********** ********** ********** **********
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                3005       3015       3025       3035       3045       3055
2e_Brazil    TTGAACACTT TAAATGAAGA AAAAAATAAT GTAGAAAGTG AAATACCTGA AACATCAATA
2e_Thai      TTGAACACTT TAAATGAAGA AAAAAATAAT GTAGAAAGTG AAATACCTGA AACATCAATA
Conservation ********** ********** ********** ********** ********** **********

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                3065       3075       3085       3095       3105       3115
2e_Brazil    TCTAAATTGC AAGTAGATGT AAAAGCTTCA CAAGATTACT GTAAAAATGA AAAGATCAAT
2e_Thai      TCTAAATTGC AAGTAGATGT AAAAGCTTCA CAAGATTACT GTAAAAATGA AAAGATCAAT
Conservation ********** ********** ********** ********** ********** **********

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                3125       3135       3145       3155       3165       3175
2e_Brazil    ATCGACAAAG GCATGGAAAC CAATTCGGAA GAACTGGGAA AATATAAAAC TGAGTGCCAT
2e_Thai      ATCGACAAAG GCATGGAAAC CAATTCGGAA GAACTGGGAA AATATAAAAC TGAGTGCCAT
Conservation ********** ********** ********** ********** ********** **********

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                3185       3195       3205       3215       3225       3235
2e_Brazil    AACACAGAAC TGGAAATAAA CAAATTAAAC GCCAATTGTC AAGCATTAGA AAAAAAAATA
2e_Thai      AACACAGAAC TGGAAATAAA CAAATTAAAC GCCAATTGTC AAGCATTAGA AAAAAAAATA
Conservation ********** ********** ********** ********** ********** **********

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                3245       3255       3265       3275       3285       3295
2e_Brazil    GAAGAGTTGG TACAAGATCA ACATGGCCAA ATTATAATAT TTGTTGATAA ACTTATAACA
2e_Thai      GAAGAGTTGG TACAAGATCA ACATGGCCAA ATTATAATAT TTGTTGATAA ACTTATAACA
Conservation ********** ********** ********** ********** ********** **********

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                3305       3315       3325       3335       3345       3355
2e_Brazil    ACGAGGGACA CGCAGATAAA TGGAAAAATC GAGCTGAACC TAAATTCTCT AAAGGATATG
2e_Thai      ACGAGGGACA CGCAGATAAA TGGAAAAATC GAGCTGAACC TAAATTCTCT AAAGGATATG
Conservation ********** ********** ********** ********** ********** **********

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                3365       3375       3385       3395       3405       3415
2e_Brazil    AAAACAAAAT TAGACGCTTT TAATTTTGAA GAAGCTGTTA ACAATAACGG AAACGTTACT
2e_Thai      AAAACAAAAT TAGACGCTTT TAATTTTGAA GAAGCTGTTA ACAATAACGG AAACGTTACT
Conservation ********** ********** ********** ********** ********** **********

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                3425       3435       3445       3455       3465       3475
2e_Brazil    GTTCAAAGCA AAATAAGTGC TTTTAAAGAA AAAGTGAAAA GTACATTGCA AAATATAGAA
2e_Thai      GTTCAAAGCA AAATAAGTGC TTTTAAAGAA AAAGTGAAAA GTACATTGCA AAATATAGAA
Conservation ********** ********** ********** ********** ********** **********

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                3485       3495       3505       3515       3525       3535
2e_Brazil    AATGAAATCG GCAAATTTAA CGGAATTAAA CAGAACTACG ATGCATATAT GGAAACATTC
2e_Thai      AATGAAATCG GCAAATTTAA CGGAATTAAA CAGAACTACG ATGCATATAT GGAAACATTC
Conservation ********** ********** ********** ********** ********** **********

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                3545       3555       3565       3575       3585       3595
2e_Brazil    AACAAAGGAA AAGATCAGAT CACCGAATTC AAAGATAAAA AAGAGAACAT GGAAAAAATT
2e_Thai      AACAAAGGAA AAGATCAGAT CACCGAATTC AAAGATAAAA AAGAGAACAT GGAAAAAATT
Conservation ********** ********** ********** ********** ********** **********
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                3605       3615       3625       3635       3645       3655
2e_Brazil    TATAAACAAA TGAAAGAAAC CACACTCAAC AAATTAGAAG AGGCAGAAAA AGAAAGTAGT
2e_Thai      TATAAACAAA TGAAAGAAAC CACACTCAAC AAATTAGAAG AGGCAGAAAA AGAAAGTAGT
Conservation ********** ********** ********** ********** ********** **********

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                3665       3675       3685       3695       3705       3715
2e_Brazil    ATATTAAACC AAGTAAAACA AATCGAATTG GAATACAGAA GAATTTTAAT TCATCATGCT
2e_Thai      ATATTAAACC AAGTAAAACA AATCGAATTG GAATACAGAA GAATTTTAAT TCATCATGCT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3725       3735       3745       3755       3765       3775
2e_Brazil    GTTCACATGA TCGATCAGGA AAACACAAAA GCTAAATCGG TTATGGCGGA TATCGAAACA
2e_Thai      GTTCACATGA TCGATCAGGA AAACACAAAA GCTAAATCGG TTATGGCGGA TATCGAAACA
Conservation ********** ********** ********** ********** ********** **********

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                3785       3795       3805       3815       3825       3835
2e_Brazil    TCTAAAAGCA AAATTGATGA AATAAAACTT CAAACTGAAG AATACAAACA GAAGAATATG
2e_Thai      TCTAAAAGCA AAATTGATGA AATAAAACTT CAAACTGAAG AATACAAACA GAAGAATATG
Conservation ********** ********** ********** ********** ********** **********

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                3845       3855       3865       3875       3885       3895
2e_Brazil    ACTAATTTTG AATATGAAAA TCATTACAGC AAGGCTAAAC AGAGCAACAC CAAAATAAAT
2e_Thai      ACTAATTTTG AATATGAAAA TCATTACAGC AAGGCTAAAC AGAGCAACAC CAAAATAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3905       3915       3925       3935       3945       3955
2e_Brazil    GAATTTTCTA TAGACGCCAC AAGCGATAAG GAAAAGGCTG ACAAAAGCGA AGATGTAAAC
2e_Thai      GAATTTTCTA TAGACGCCAC AAGCGATAAG GAAAAGGCTG ACAAAAGCGA AGATGTAAAC
Conservation ********** ********** ********** ********** ********** **********

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                3965       3975       3985       3995       4005       4015
2e_Brazil    GAAATAGAAC GTATCAAAGA AAAAATTAAT GACAATCTGC AAAAAGTCAA AGAAGAATAT
2e_Thai      GAAATAGAAC GTATCAAAGA AAAAATTAAT GACAATCTGC AAAAAGTCAA AGAAGAATAT
Conservation ********** ********** ********** ********** ********** **********

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                4025       4035       4045       4055       4065       4075
2e_Brazil    ACTTCTATGG AGGAAATAAA AAAACAAATG AATAGTATGA AAGATTTACT AGCTTTGAAC
2e_Thai      ACTTCTATGG AGGAAATAAA AAAACAAATG AATAGTATGA AAGATTTACT AGCTTTGAAC
Conservation ********** ********** ********** ********** ********** **********

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                4085       4095       4105       4115       4125       4135
2e_Brazil    AATTCTGAAA CGACTGCTAC AAACATATTA GATAACACAA AAAACGCATT AGGTTTTAGC
2e_Thai      AATTCTGAAA CGACTGCTAC AAACATATTA GATAACACAA AAAACGCATT AGGTTTTAGC
Conservation ********** ********** ********** ********** ********** **********

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                4145       4155       4165       4175       4185       4195
2e_Brazil    GAGGAGGCGG CAAAGGAACT TGAGAAATCA AAACAATTAT TAGAAGAAGC GGTAGCTCAG
2e_Thai      GAGGAGGCGG CAAAGGAACT TGAGAAATCA AAACAATTAT TAGAAGAAGC GGTAGCTCAG
Conservation ********** ********** ********** ********** ********** **********

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                4205       4215       4225       4235       4245       4255
2e_Brazil    ATAGCTAAGG CAGGGGAACA TAAAGGTAAA ATTGAGATAG CCTTAGAAGA TGAACAAATA
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2e_Thai       ATAGCTAAGG CAGGGGAACA TAAAGGTAAA ATTGAGATAG CCTTAGAAGA TGAACAAATA
Conservation ********** ********** ********** ********** ********** **********

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                   4265       4275       4285       4295       4305       4315
2e_Brazil     AATGCCCACG TAAACCAGAT TGAACTAATA AAGAATGAAA TTGTGAATAA AAAAAAAGAA
2e_Thai       AATGCCCACG TAAACCAGAT TGAACTAATA AAGAATGAAA TTGTGAATAA AAAAAAAGAA
Conservation ********** ********** ********** ********** ********** **********

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                   4325       4335       4345       4355       4365       4375
2e_Brazil     ATGGAGTCCT ATTTAAGCAA GATAAAAGAA TATAAAGAGA AATGCACCAC CCAAGTCAAC
2e_Thai       ATGGAGTCCT ATTTAAGCAA GATAAAAGAA TATAAAGAGA AATGCACCAC CCAAGTCAAC
Conservation ********** ********** ********** ********** ********** **********

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                   4385       4395       4405       4415       4425       4435
2e_Brazil     AATTCGAATA GAGGAAAAGA TAAAATTGAA TTCTTGAAAA CGGTTAAGCA CAGCGTAGAA
2e_Thai       AATTCGAATA GAGGAAAAGA TAAAATTGAA TTCTTGAAAA CGGTTAAGCA CAGCGTAGAA
Conservation ********** ********** ********** ********** ********** **********

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                   4445       4455       4465       4475       4485       4495
2e_Brazil     AGTAGTTCGA ATAAGGTTGA CATGGATCAG ATAAATGAAA GTATAGAAAA ATCCGAACAA
2e_Thai       AGTAGTTCGA ATAAGGTTGA CATGGATCAG ATAAATGAAA GTATAGAAAA ATCCGAACAA
Conservation ********** ********** ********** ********** ********** **********

                ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                   4505       4515       4525       4535       4545       4555
2e_Brazil     TATTTAAAGG ATGTAGAAGC TCTGGAGACA CAAGCTGATA ACAATCTAAA GTCATACATA
2e_Thai       TATTTAAAGG ATGTAGAAGC TCTGGAGACA CAAGCTGATA ACAATCTAAA GTCATACATA
Conservation ********** ********** ********** ********** ********** **********

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                   4565       4575       4585       4595       4605       4615
2e_Brazil     CAACATGAAC AAACGATCAA TGATACTTTC CAGCAATCTG AAATTCTAGG AATAGAAACT
2e_Thai       CAACATGAAC AAACGATCAA TGATACTTTC CAGCAATCTG AAATTCTAGG AATAGAAACT
Conservation ********** ********** ********** ********** ********** **********

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                   4625       4635       4645       4655       4665       4675
2e_Brazil     AAATCAAAAA AGAAGTTCAA CGAAGCAACA GCAATAATGG AAGAAATTAA AAAACAAAAT
2e_Thai       AAATCAAAAA AGAAGTTCAA CGAAGCAACA GCACTAATGG AAGAAATTAA AAAACAAAAT
Conservation ********** ********** ********** ***.****** ********** **********

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                   4685       4695       4705       4715       4725       4735
2e_Brazil     TCTGAAATTC AAACAAAGGT GAATGATTTC CAAGTAAAAC TGAACAAATT AAAGGAACCC
2e_Thai       TCTGAAATTC AAACAAAGGT GAATGATTTC CAAGTAAAAC TGAACAAATT AAAGGAACCC
Conservation ********** ********** ********** ********** ********** **********

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                   4745       4755       4765       4775       4785       4795
2e_Brazil     CAAAATGCCG AAGACGTAGA AGAGGAGCTT AATAATGAAA AGTCTTCCAA TGCAAAAGCA
2e_Thai       CAAAATGCCG AAGACGTAGA AGAGGAGCTT AATAATGAAA AGTCTTCCAA TGCAAAAGCA
Conservation ********** ********** ********** ********** ********** **********

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                   4805       4815       4825       4835       4845       4855
2e_Brazil     CTTATACACA CGAACCTAGA AAGAGTGCAA TCTAATTTAA CCCAAGTTGC CAATATTAAG
2e_Thai       CTTATACACA CGAACCTAGA AAGAGTGCAA TCTAATTTAA CCCAAGTTGC CAATATTAAG
Conservation ********** ********** ********** ********** ********** **********
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                4865       4875       4885       4895       4905       4915
2e_Brazil    CAGGAAGTGG ATGGCATATT TAAGAGAGTC ACAGACACGA TGAATTCCGC AACAGAAACC
2e_Thai      CAGGAAGTGG ATGGCATATT TAAGAGAGTC ACAGACACGA TGAATTCCGC AACAGAAACC
Conservation ********** ********** ********** ********** ********** **********

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                4925       4935       4945       4955       4965       4975
2e_Brazil    TCTCAAAATA AAGATGGCAA AACATTAGGC ACGGTGAAAA GGGACGAACC TAAATATGAA
2e_Thai      TCTCAAAATA AAGATGGCAA AACATTAGGC ACGGTGAAAA GGGACGAACC TAAATATGAA
Conservation ********** ********** ********** ********** ********** **********

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                4985       4995       5005       5015       5025       5035
2e_Brazil    GAGTACTTAA CCCAAATAAC TGCAGATAAA AATCTAATGG ACGCAGAATT GAATAAGCTA
2e_Thai      GAGTACTTAA CCCAAATAAC TGCAGATAAA AATCTAATGG ACGCAGAATT GAATAAGCTA
Conservation ********** ********** ********** ********** ********** **********

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                5045       5055       5065       5075       5085       5095
2e_Brazil    AACGGAATAA GTTCCACTAT CGAAATCTTA GAAAAGGAAT TGAATGAATC CAGAATGAAT
2e_Thai      AACGGAATAA GTTCCACTAT CGAAATCTTA GAAAAGGAAT TGAATGAATC CAGAATGAAT
Conservation ********** ********** ********** ********** ********** **********

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                5105       5115       5125       5135       5145       5155
2e_Brazil    TACGAAATTG GACTCCTGCA AAAGATAGAT GAAGTAGGCA AAAGTAAGAA GACAAATATT
2e_Thai      TACGAAATTG GACTCCTGCA AAAGATAGAT GAAGTAGGCA AAAGTAAGAA GACAAATATT
Conservation ********** ********** ********** ********** ********** **********

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                5165       5175       5185       5195       5205       5215
2e_Brazil    GATTTAAAAA AAGAGTTAAT AAGTTCAACG CTGAATTCCT TTTCTTCCCT GTTCAATGGT
2e_Thai      GATTTAAAAA AAGAGTTAAT AAGTTCAACG CTGAATTCCT TTTCTTCCCT GTTCAATGGT
Conservation ********** ********** ********** ********** ********** **********

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                5225       5235       5245       5255       5265       5275
2e_Brazil    CTCGATTTAA ATCAATACGA ATTTAAGAAA AACATAGATG GTTACGAACA GAAGATGAAA
2e_Thai      CTCGATTTAA ATCAATACGA ATTTAAGAAA AACATAGATG GTTACGAACA GAAGATGAAA
Conservation ********** ********** ********** ********** ********** **********

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                5285       5295       5305       5315       5325       5335
2e_Brazil    GAAATACAAG GCAAATTTGA CGTATCGCTG AACAAAATTG GTGAACATTT AAAAAAGGCT
2e_Thai      GAAATACAAG GCAAATTTGA CGTATCGCTG AACAAAATTG GTGAACATTT AAAAAAGGCT
Conservation ********** ********** ********** ********** ********** **********

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                5345       5355       5365       5375       5385       5395
2e_Brazil    TCAGAGGAGG GCGCAAATTA TACCTTAGCG AATAAACTCA GACGAGAAGC TCAACAGGAA
2e_Thai      TCAGAGGAGG GCGCAAATTA TACCTTAGCG AATAAACTCA GACGAGAAGC TCAACAGGAA
Conservation ********** ********** ********** ********** ********** **********

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                5405       5415       5425       5435       5445       5455
2e_Brazil    AAAGCCAAAC TTACAAGTAG CGAAGATGAA GCAAGCAAAT ACATAGAAGA TATTAAAAAG
2e_Thai      AAAGCCAAAC TTACAAGTAG CGAAGATGAA GCAAGCAAAT ACATAGAAGA TATTAAAAAG
Conservation ********** ********** ********** ********** ********** **********

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                5465       5475       5485       5495       5505       5515
2e_Brazil    GTAGAATCCA TAAGATTTAT AAATCACATG AAAGAAAATT TAGACAAAAT AAGCATATCG
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2e_Thai      GTAGAATCCA TAAGATTTAT AAATCACATG AAAGAAAATT TAGACAAAAT AAGCACATCG
Conservation ********** ********** ********** ********** ********** ***** ****

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                5525       5535       5545       5555       5565       5575
2e_Brazil    ATCAAAGAAG AAAAATTAAA AATTAATGAA GGACATGAAT TCATCAAACA GATAGTTGAA
2e_Thai      ATCAAAGAAG AAAAATTAAA AATTAATGAA GGACATGAAT TCATCAAACA GATAGTTGAA
Conservation ********** ********** ********** ********** ********** **********

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                5585       5595       5605       5615       5625       5635
2e_Brazil    GGCATTAAAA ACACAGATGA TGAACGCGAT GTATCAAACA AATTACAACA GGCGGAAGGA
2e_Thai      GGCATTAAAA ACACAGATGA TGAACGCGAT GTATCAAACA AATTACAACA GGCGGAAGGA
Conservation ********** ********** ********** ********** ********** **********

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                5645       5655       5665       5675       5685       5695
2e_Brazil    AAAAATGAAG AAATGCAGAA AATAATGCAC TCTAAGCATA AAAACGAGGC AAAAGAAATG
2e_Thai      AAAAATGAAG AAATGCAGAA AATAATGCAC TCTAAGCATA AAAACGAGGC AAAAGAAATG
Conservation ********** ********** ********** ********** ********** **********

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                5705       5715       5725       5735       5745       5755
2e_Brazil    CTAGGACATA TAGCTACCTC TGCAAATTTT ATAAATATTA AAATAATTCC AGAATTAACT
2e_Thai      CTAGGACATA TAGCTACCTC TGCAAATTTT ATAAATATTA AAATAATTCC AGAATTAACT
Conservation ********** ********** ********** ********** ********** **********

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                5765       5775       5785       5795       5805       5815
2e_Brazil    CTAACCGAGT CAAACGTAAA CGAAGCAGTA GAACTAAAAT TTCAACCGGA TGGCAAAGTA
2e_Thai      CTAACCGAGT CAAACGTAAA CGAAGCAGTA GAACTAAAAT TTCAACCGGA TGGCAAAGTA
Conservation ********** ********** ********** ********** ********** **********

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                5825       5835       5845       5855       5865       5875
2e_Brazil    ACCTTAAAAA CAAGAAACAT CTCGAAAAGC GAAGCCGAAT TGGATGTGCA TAAAAATATA
2e_Thai      ACCTTAAAAA CAAGAAACAT CTCGAAAAGC GAAGCCGAAT TGGATGTGCA TAAAAATATA
Conservation ********** ********** ********** ********** ********** **********

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                5885       5895       5905       5915       5925       5935
2e_Brazil    AAGGAAGCTT ACCATCTCGC TTTGGAGATA CAAAAATATG CAAACGAAAT AGACGCACAA
2e_Thai      AAGGAAGCTT ACCATCTCGC TTTGGAGATA CAAAAATATG CAAACGAAAT AGACGCACAA
Conservation ********** ********** ********** ********** ********** **********

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                5945       5955       5965       5975       5985       5995
2e_Brazil    CAAACGAATA ACACACAGTT AATGGTCACA GTAAACGACC TACATCATAA AATTAAGTTC
2e_Thai      CAAACGAATA ACACACAGTT AATGGTCACA GTAAACGACC TACATCATAA AATTAAGTTC
Conservation ********** ********** ********** ********** ********** **********

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                6005       6015       6025       6035       6045       6055
2e_Brazil    ATAAATGAAT TAAAAAATAA AGTAAAAATT GAAAAGAGTA ATGAAAATTC CCTATCGGGT
2e_Thai      ATAAATGAAT TAAAAAATAA AGTAAAAATT GAAAAGAGTA ATGAAAATTC CCTATCGGGT
Conservation ********** ********** ********** ********** ********** **********

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                6065       6075       6085       6095       6105       6115
2e_Brazil    AAAGTAATGG GCATTTCTAA CAAAATTGCC GAATTAGACA AACATTCATG CAGTGAAAAA
2e_Thai      AAAGTAATGG GCATTTCTAA CAAAATTGCC GAATTAGACA AACATTCATG CAGTGAAAAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6125       6135       6145       6155       6165       6175
2e_Brazil    AGTTATGATA AATTTTTAGA AAACACGAAG AAAACAGATC TACAAAATAT ACGTGATTCC
2e_Thai      AGTTATGATA AATTTTTAGA AAACACGAAG AAAACAGATC TACAAAATAT ACGTGATTCC
Conservation ********** ********** ********** ********** ********** **********

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                6185       6195       6205       6215       6225       6235
2e_Brazil    TTTAATCAAG AAAAGAGAAA CGCAAATATT GACTTGAATT TGAAAAATAT AAAAGAAGAT
2e_Thai      TTTAATCAAG AAAAGAGAAA CGCAAATATT GACTTGAATT TGAAAAATAT AAAAGAAGAT
Conservation ********** ********** ********** ********** ********** **********

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                6245       6255       6265       6275       6285       6295
2e_Brazil    TTTGCCAATT CACAAACATC CTTAAAAATT GTTGAACAGG AAATTGAAGC TTTAAAGGCA
2e_Thai      TTTGCCAATT CACAAACATC CTTAAAAATT GTTGAACAGG AAATTGAAGC TTTAAAGGCA
Conservation ********** ********** ********** ********** ********** **********

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                6305       6315       6325       6335       6345       6355
2e_Brazil    AATGAAATCA ACACTGAAAA TCTGCAAGGC AAATCTACTC AGATAGAAAC ACTACATAAC
2e_Thai      AATGAAATCA ACACTGAAAA TCTGCAAGGC AAATCTACTC AGATAGAAAC ACTACATAAC
Conservation ********** ********** ********** ********** ********** **********

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                6365       6375       6385       6395       6405       6415
2e_Brazil    AAAATAGGAA GAATAGAACA AAATATTGCA AGTCTAAATA CGTCTTTGGA CAAATTACTA
2e_Thai      AAAATAGGAA GCATAGAACA AAATATTGCA AGTCTAAATA CGTCTTTGGA CAAATTACTA
Conservation ********** *.******** ********** ********** ********** **********

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                6425       6435       6445       6455       6465       6475
2e_Brazil    AACAGTGGAA AAAAATGCGA AATAGCTAGA TACACATCCT TGAGGGATAG TATTAAAG--
2e_Thai      AACAGTGGAA AAAAATGCGA AATAGCTAGA TACACATCCT TGAGGGATAG TATTAAAGGT
Conservation ********** ********** ********** ********** ********** ********

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                6485       6495       6505       6515       6525       6535
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      AAAATAAATG CAGATGAAGA AACAATCGAT AATCTGCAGA AGCATGTTAG TCAATATTTG
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6545       6555       6565       6575       6585       6595
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      ACATATGTTG AAGATAACTA TAATGCCACA GTGAAGGACG TCCTTACATT AAATGAACAT
Conservation

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                6605       6615       6625       6635       6645       6655
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TTNAGCAACA AAATGGTGAC TGATCATGCT GCGACTAATT TTGAAAAATC AAATAAAACT
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6665       6675       6685       6695       6705       6715
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      TCGGAAGAAT TATCCACAGC GGTCAATCAA TCAAAGGCCA TAATAAACGA TATAAAAAAT
Conservation
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6725       6735       6745       6755       6765       6775
2e_Brazil    ---------- ---------- ---------- ---------- ---------- ----------
2e_Thai      GCCTTCATAG AAGTTAACGA AAAAACGGAA TTTACTTTGT TAGAAAACAG CGCACAAGCA
Conservation

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6785       6795       6805       6815       6825       6835
2e_Brazil    ---------- ---------- ---------- ---------- ----TGGACG AAATTTACAA
2e_Thai      ATAGAAAAGC TTTACAATAC ATTACATGAA AAAAAAAAAC GCAGTGGACG AAATTTACAA
Conservation                                              ****** **********

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                6845       6855       6865       6875       6885       6895
2e_Brazil    AACATCCATT TTAGTTAAAT CGCAAAAAAT GAAATCAAAT GCTGATAAAT ATACCGATAT
2e_Thai      AACATCCATT TTAGTTAAAT CGCAAAAAAT GAAATCAAAT GCTGATAAAT ATACCGATAT
Conservation ********** ********** ********** ********** ********** **********

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                6905       6915       6925       6935       6945       6955
2e_Brazil    GGCTAAAATA TTTGAAAACG TGTTAGACAC CCAAAAATCG AGAATTACAA GTAACCAGAG
2e_Thai      GGCTAAAATA TTTGAAAACG TGTTAGACAC CCAAAAATCG AGAATTACAA GTAACCAGAG
Conservation ********** ********** ********** ********** ********** **********

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                6965       6975       6985       6995       7005       7015
2e_Brazil    TAGCGTATCC CACGTTAAAG ACGTGATAAA TGTACAGCTT AAGAAGTTAG AAGCTACGGA
2e_Thai      TAGCGTATCC CACGTTAAAG ATATGATAAA CGTACAGCTT AAGAAGTTAG AAGCTACGGA
Conservation ********** ********** *..*******  ********** ********** **********

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                7025       7035       7045       7055       7065       7075
2e_Brazil    CAGCGCATTT AAATTAGAAT CCATAAATAA GTTTCACGAA TTAAGCGATA ACATCAAAAC
2e_Thai      CAGCGCATTT AAATTAGAAT CCATAAATAA GTTTCACGAA TTAAGCGATA ACATCAAAAA
Conservation ********** ********** ********** ********** ********** *********.

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                7085       7095       7105       7115       7125       7135
2e_Brazil    GAGTATAGAT GAATTGGAAA AGCTAGAACA AGTTAATCGC CAAGAACATA ATACTGTGGA
2e_Thai      GAGTATAGAT GAATTGGAAA AGCTAGAACA AGTTAATCGC CAAGAACATA ATACTGTGGA
Conservation ********** ********** ********** ********** ********** **********

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                7145       7155       7165       7175       7185       7195
2e_Brazil    AACGCATAAA GAACGAATTA CACATTTAAT GAACAGAAGA GACAGCCTCA AAAATGGAGT
2e_Thai      AACGCATAAA GAACGAATTA CACATTTAAT GAACAGAAGA GACAGCCTCA AAAATGGAGT
Conservation ********** ********** ********** ********** ********** **********

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                7205       7215       7225       7235       7245       7255
2e_Brazil    GAAAGAATAC GGAGAAGATG CAAATTTAAA AAAATTAAGA GGGGATATCC TAAACCAGGT
2e_Thai      GAAAGAATAC GGAGAAGATG CAAATTTAAA AAAATTAAGA GGGGATATCC TAAACCAGGT
Conservation ********** ********** ********** ********** ********** **********

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                7265       7275       7285       7295       7305       7315
2e_Brazil    AATTAGTGAC ATAAGAAATA TTAATGGAGA ACTTAACAAC TCAGATCAGC TGTACGTCAA
2e_Thai      AATTAGTGAC ATAAGAAATA TTAATGGAGA ACTTAACAAC TCAGATCAGC TGTACGTCAA
Conservation ********** ********** ********** ********** ********** **********
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                7325       7335       7345       7355       7365       7375
2e_Brazil    ATTAATGAAA AAAGTGGACG AAAATAATGA TTTGTGTAAA AAGAACTATA CAGAAAATTA
2e_Thai      ATTAATGAAA AAAGTGGACG AAAATAATGA TTTGTGTAAA AAGAACTATA CAGAAAATTA
Conservation ********** ********** ********** ********** ********** **********

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                7385       7395       7405       7415       7425       7435
2e_Brazil    CGTTTCTGAA GTACTGCAAA AAATCGATAA TCTGAATAAA CGCTTCAAAC AAAATTTACC
2e_Thai      CGTTTCTGAA GTACTGCAAA AAATCGATAA TCTGAATAAA CGCTTCAAAC AAAATTTACC
Conservation ********** ********** ********** ********** ********** **********

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                7445       7455       7465       7475       7485       7495
2e_Brazil    AGAAAAGGAA AAAGTTTTAC AAATTGAGAG CAACTTTAAT GAAATTAAAA CCCTATTTGG
2e_Thai      AGAAAAGAAA AAAGTTTTAC AAATTGAGAA CAACTTTAAT GAAATTAAAA CCCTATTTGG
Conservation ********.** ********** *********. ********** ********** **********

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                7505       7515       7525       7535       7545       7555
2e_Brazil    TGAAATAAAA ACCTTTTATA AGGTAGAAGA ATTTGTAACG AACATGTATA GTCAAGTTAA
2e_Thai      TGAAATAAAA ACCTTTTATA AGGTAGAAGA ATTTGTAACG AACATGTATA GTCAAGTTAA
Conservation ********** ********** ********** ********** ********** **********

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                7565       7575       7585       7595       7605       7615
2e_Brazil    TGGTGAAAAG GAACGCGTAA AAGATCAGAC AAATATTGAA AAAATAAAAT TGGCAATACA
2e_Thai      TGGTGAAAAG GAACGCGTAA AAGATCAGAC AAATATTGAA AAAATAAAAT TGGCAATACA
Conservation ********** ********** ********** ********** ********** **********

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                7625       7635       7645       7655       7665       7675
2e_Brazil    AAATATTACA AATAACAATG AAGAAGTAAA AACCTATTTA TCCAAATTTA TTAGCACCCT
2e_Thai      AAATATTACA AATAACAATG AAGAAGTAAA AACCTATTTA TCCAAATTTA TTAGCACCCT
Conservation ********** ********** ********** ********** ********** **********

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                7685       7695       7705       7715       7725       7735
2e_Brazil    AGAAAGAATG AATATCATGA AAAAAGAAAT GGACGATTTA TCCAGCTCAC TGCCCACACA
2e_Thai      AGAAAGAATG AATATCATGA AAAAAGAAAT GGACGATTTA TCCAGCTCAC TGCCCACACA
Conservation ********** ********** ********** ********** ********** **********

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                7745       7755       7765       7775       7785       7795
2e_Brazil    TAATACAAAT GCAACAGAAA ATGCAAAACG GTTTGTAAAC AGTTCGGTAG AAATCATTAA
2e_Thai      TAATACAAAT GCAACAGAAA ATGCAAAACG GTTTGTAAAC AGTTCGGTAG AAATCATTAA
Conservation ********** ********** ********** ********** ********** **********

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                7805       7815       7825       7835       7845       7855
2e_Brazil    TGAGCTAACT AGCTATATTT CTAAAATAAC CGAACTAAAG AATTATGCTG AAGGTGTGAT
2e_Thai      TGAGCTAACT AGCTATATTT CTAAAATAAC CGAACTAAAG AATTATGCTG AAGGTGTGAT
Conservation ********** ********** ********** ********** ********** **********

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                7865       7875       7885       7895       7905       7915
2e_Brazil    AACCGAATTA GAAGAAGCAT CTAAGTTAAT ACGCCCAGCT GCTAATGACT CAAATGAGAC
2e_Thai      AACCGAATTA GAAGAAGCAT CTAAGTTAAT ACGCCCAGCT GCTAATGACT CAAATGAGAC
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7925       7935       7945       7955       7965       7975
2e_Brazil    GCAAATGTTG CCAACCGAAG CTGATAGCAC ACATCAAGAC GATTCACAGA GTGATAATCG
2e_Thai      GCAAATGTTG CCAACCGAAG CTGATAGCAC ACATCAAGAC GATTCACAGA GTGATAATCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7985       7995       8005       8015       8025       8035
2e_Brazil    TTCAAGGGCA AGAGATGCAG ATGGAAGAAC TCGTTATGCA GCAGCTATTA TTGGTTTGTC
2e_Thai      TTCAAGGGCA AGAGATGCAG ATGGAAGAAC TCGTTATGCA GCAGCTATTA TTGGTTTGTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8045       8055       8065       8075       8085       8095
2e_Brazil    TCTTATTACC GGAGTTGCCC TATTAAGCCG CAGGCATAAT CCTGATGAAG AAGAGGATCA
2e_Thai      TCTTATTACC GGAGTTGCCC TATTAAGCCG CAGGCATAAT CCTGATGAAG AAGAGGATCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                8105       8115       8125       8135       8145       8155
2e_Brazil    TCATGAACAC GGCTATCATG AGGCATTTGA GGGCAACGAC GACTACACTG TGCACGATAA
2e_Thai      TCATGAACAC GGCTATCATG AGGCATTTGA GGGCAACGAC GACTACACTG TGCACGATAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....|
                8165       8175       8185       8195
2e_Brazil    GGAAGAAGTC ATCGAAGTCT GTTTCAATGA CAGTGATTAG
2e_Thai      GGAAGAAGTC ATCGAAGTCT GTTTCAATGA CAGTGATTAG
Conservation ********** ********** ********** **********
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Alignment: Pvrbp3

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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                 5         15         25         35         45         55
3_SalI       ------ATGA ACCAAATTAT AGCAGAAGGG AGAGG----- ---------- -AAAGAAAAG
3_Thai       ATGAAGAAAA ACGGATGGTG GGGAGTATGC TTCGGGGTTC TTCTCTTTCT TATCGCTGGG
Conservation       *..* ** .*..... .* **.*.*  ...**                 *..*....*

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                65         75         85         95        105        115
3_SalI       GAAAAGCATT ACTG----TA AAACTGCAAA GTGAAGAGGA AACGTCTTCT TCTGTTAATT
3_Thai       GAAATGCCAT AAACGAATCG AATAAACACA AAAAGGAGGA AACGACTTCT TCTGTTAATT
Conservation ****:**..* *..      . **....**.* ...*.***** ****.***** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               125        135        145        155        165        175
3_SalI       CGTATTGGGG TAGACAACAT GAGTCAGAAT ACCCTGGAAG GAAGAAGAAA AATTTTAAAA
3_Thai       CGTATTGGGG TAGACAACAT GAGTCAGAAT ACCCTGGAAG GAAGAAGAAA AATTTTAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               185        195        205        215        225        235
3_SalI       AAAATAGCTT GTCCCCAGGA GAGGAGGGAT GTAGGAATGA TTGCCCCCCC AGCGGTAGTG
3_Thai       AAAATAGCTT GTCCCCAGGA GAGGAGGGAT GTAGGAATGA TTGCCCCCCC AGCGGTAGTG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               245        255        265        275        285        295
3_SalI       ATGGAAACGA ATCAGGGTTA TTTAAGAAGA AAGCACTTAT ACATTTAAGA GATAGCAAAT
3_Thai       ATGGAAACGA ATCAGGGTTA TTTAAGAAGA AAGCACTTAT ACATTTAAGA GATAGCAAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               305        315        325        335        345        355
3_SalI       TTAGAAGGAA GCCATCGCGG TATGCGTATA TTAAAAGAAA CGGTGAGAAC AATTTGGATA
3_Thai       TTAGAAGGAA GCCATCGCGG TATGCGTATA TTAAAAGAAA CGGTGAGAAC AATTTGGATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               365        375        385        395        405        415
3_SalI       GACTTCCGAG TAGCACTGAG AAGGAGGAAA ATAATGACCG TAATGGAGGT GCCAGTTCCT
3_Thai       GACTTCCGAG TAGCACTGAG AAGGAGGAAA ATAATGACCG TAATGGAGGT GCCAGTTCCT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               425        435        445        455        465        475
3_SalI       TTTTACAAAA TTTGAACGTT CCCAATGTAG ACGAGATTTT AGATTATTTC GAGATTGTAG
3_Thai       TTTTACAAAA TTTGAACGTT CCCAATGTAG ACGAGATTTT AGATTATTTC GAGATTGTAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               485        495        505        515        525        535
3_SalI       GTGAACAGGG AGAGTTAGTC TTTTCATTAG AATCATACTA TGTGGAGATC TACACGTGCA
3_Thai       GTGAACAGGG AGAGTTAGTC TTTTCATTAG AATCATACTA TGTGGAGATC TACACGTGCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               545        555        565        575        585        595
3_SalI       AAGAAATTGT GCGTTTTATA AACCGCCAAG CGTTAACCAA CTTTAGCGGG AACTATGGGG
3_Thai       AAGAAATTGT GCGTTTTATA AACCGCCAAG CGTTAACCAA CTTTAGCGGG AACTATGGGG
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                605        615        625        635        645        655
3_SalI       ATGATGATGG TGAGGAGGAA GAAGAAGATG AGGATAGTGA CTACAATTCT GGGTTAAGAA
3_Thai       ATGATGATGG TGAGGAGGAA GAAGAAGATG AGGATAGTGA CTACAATTCT GGGTTAAGAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                665        675        685        695        705        715
3_SalI       AAGATTCCAG GATACAAAAT CTGTATCATC ATATGAAACT CTCCATGATT TCTTGCATTT
3_Thai       AAGATTCCAG GATACAAAAT CTGTATCATC ATATGAAACT CTCCATGATT TCTTGCATTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                725        735        745        755        765        775
3_SalI       CTGAAAAGGT GAAGCTACTA AACGAAATAA ATAGTTTGGA ATACCCCCAG GCAGAGGATA
3_Thai       CTGAAAAGGT GAAGCTACTA AACGAAATAA ATAGTTTGGA ATACCCCCAG GCAGAGGATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                785        795        805        815        825        835
3_SalI       GTGAAGAGGA CTCAAGAGCA GAGAATTCTA CCACATACAA ATTACTCATA AATGAGTATG
3_Thai       GTGAAGAGGA CTCAAGAGCA GAGAATTCTA CCACATACAA ATTACTCATA AATGAGTATG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                845        855        865        875        885        895
3_SalI       TAGATTGCTT AAAGAAGTAT AGCGAAAATG TTAAAGGGAA GATAGCGGAT GCTAAGAAAA
3_Thai       TAGATTGCTT AAAGAAGTAT AGCGAAAATG TTAAAGGGAA GATAGCGGAT GCTAAGAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                905        915        925        935        945        955
3_SalI       GCATCGAAAC AGAATATGGA AATAAATTTT GTCCTAATGA GTGCAATTCG AATGTGTATT
3_Thai       GCATCGAAAC AGAATATGGA AATAAATTTT GTCCTAATGA GTGCAATTCG AATGTGTATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                965        975        985        995       1005       1015
3_SalI       TTGAAAGTGT ACATTTGTAC CTCTCATATG TCAATAATAA TGCAGACATT TTGTACAATT
3_Thai       TTGAAAGTGT ACATTTGTAC CTCTCATATG TCAATAATAA TGCAGACATT TTGTACAATT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1025       1035       1045       1055       1065       1075
3_SalI       CTAACATTAG CGATGCGAAG GAATTTTTAA AATCTGGGAC AAGCATTGTT AGCATTATAG
3_Thai       CTAACATTAG CGATGCGAAG GAATTTTTAA AATCTGGGAC AAGCATTGTT AGCATTATAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1085       1095       1105       1115       1125       1135
3_SalI       AGAAAGAAAT AGGGTTAAAG CATGTCATAA GTTCTATAAA GTTCCTGCAA AGTGAAATAA
3_Thai       AGAAAGAAAT AGGGTTAAAG CATGTCATAA GTTCTATAAA GTTCCTGCAA AGTGAAATAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1145       1155       1165       1175       1185       1195
3_SalI       ATAACATCAT AAATAACTAC AATTATCACA TAAAGAATAT AAAAACTGCT ATCGATAATA
3_Thai       ATAACATCAT AAATAACTAC AATTATCACA TAAAGAATAT AAAAACTGCT ATCGATAATA
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1205       1215       1225       1235       1245       1255
3_SalI      TAAAGGAGCA TGAAAAAAAT GATAACTCTA TCGTGTTTGA TAAAAAAAGC TTGGTGGAGA
3_Thai      TAAAGGAGCA TGAAAAAAAT GATAACTCTA TCGTGTTTGA TAAAAAAAGC TTGGTGGAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1265       1275       1285       1295       1305       1315
3_SalI      AAAGTTTCGA CTTGGCAAAA AACATGTCCG TTTACAAATT TAACAATGAG ATGTTCAATA
3_Thai      AAAGTTTCGA CTTGGCAAAA AACATGTCCG TTTACAAATT TAACAATGAG ATGTTCAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1325       1335       1345       1355       1365       1375
3_SalI      GGATGAAAGT ATTGTACGAT TTGAAGAGAA CTAAATTTAA AAAACTATTT ATTTTCTTAG
3_Thai      GAATGAAAGT ATTGTACGAT TTGAAGAGAA CTAAATTTAA AAAACTATTT ATTTTCTTAG
Conservation *.******** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1385       1395       1405       1415       1425       1435
3_SalI      CAGAGGAGTT AGAGAATAAG CTTAACTCCT TTGCAGAGTC CGCGGAATTT CAGAAAACGT
3_Thai      CAGAGGAGTT AGAGAATAAG CTTAACTCCT TTGCAGAGTC CGCGGAATTT CAGAAAACGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1445       1455       1465       1475       1485       1495
3_SalI      ATGACTCGAT AATTAACGAC TGGAAATTTA TCTTGGCATA CGCGAAAGAT GTATATAATA
3_Thai      ATGACTCGAT AATTAACGAC TGGAAATTTA TCTTGGCATA CGCGAAAGAT GTATATAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1505       1515       1525       1535       1545       1555
3_SalI      AAAATTTGAC CAAGATAAAA AATTACGAAG GGAATGAAAG TTTAGAAGTT ATCATAGTCA
3_Thai      AAAATTTGAC CAAGATAAAA AATTACGAAG GGAATGAAAG TTTAGAAGTT ATCATAGTCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1565       1575       1585       1595       1605       1615
3_SalI      GAAATAAGGT GAAGGAAAAG CTAGCAACGT TGGAAGGTCT GGTAGACAAG TTAGAGGACC
3_Thai      GAAATAAGGT GAAGGAAAAG CTAGCAACGT TGGAAGGTCT GGTAGACAAG TTAGAGGACC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1625       1635       1645       1655       1665       1675
3_SalI      TATTTAATAT AATCAAATCG AAGTATGTAA TTATCATGTC AGCGAAATCG CTCATTGGGG
3_Thai      TATTTAATAT CATCAAATCG AAGTATGTAA TTATCATGTC AGCGAAATCG CTCATTGGGG
Conservation ********** .********* ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1685       1695       1705       1715       1725       1735
3_SalI      AACTGAAGGG GGAATTCAAA ACGGGAGAAA ATGTCGAGCA GAAATTTGAT GACCTCATAA
3_Thai      AACTGAAGGG GGAATTCAAA ACTGGAGAAA ATGTCGAGCA GAAATTTGAT GACCTCATAA
Conservation ********** ********** ** ******* ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               1745       1755       1765       1775       1785       1795
3_SalI      GATTAATGGA AACGATAAGC AGCAAAATTA ACACGATGAA TGAAGGTATC GATACTGTAA
3_Thai      GATTAATGGA AACGATAAGC AGCAAAATTA ACACGATGAA TGAAGGTATC GATACTGTAA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1805       1815       1825       1835       1845       1855
3_SalI       ATAAGACCTA CTCCAGCATT AAGTATGTAC AAATACAAAT CGAAAACTTA AGCACTTCTA
3_Thai       ATAAGACCTA CTCCAGCATT AAGTATGTAC AAATACAAAT CGAAAACTTA AGCACTTCTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1865       1875       1885       1895       1905       1915
3_SalI       TCGATGGGTA CATGAACGAA ATAGATGCCT TAAAAGCTAA GGGGTCAACG AATGATCATA
3_Thai       TCGATGGGTA CATGAACGAA ATAGATGCCT TAAAAGCTAA GGGGTCAACG AATGATCATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1925       1935       1945       1955       1965       1975
3_SalI       TTAGAGAAGA AATGGTGTCC AAAATGTTGT TCATTACGGA AAATATCAAC AATTTGAAAA
3_Thai       TTAGAGAAGA AATGGTGTCC AAAATGTTGT TCATTACGGA AAATATCAAC AATTTGAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                1985       1995       2005       2015       2025       2035
3_SalI       AAATTCTTTC CCTGGAGGAG AAGGCAAACG AAAATATTGC GCAAATTGAT GAATTAATTA
3_Thai       AAATTTTTTC CCTGGAGGAG AAGGCAAACG AAAATATTGC GCAAATTGAT GAATTAATTA
Conservation ***** **** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2045       2055       2065       2075       2085       2095
3_SalI       TGGGAACATC GTTAGATATG AACGAAATTA TAGATAAAAA AAGTGACGCG TATAATAAAA
3_Thai       TGGGAACATC GTTAGATATG AACGAAATTA TAGATAAAAA AAGTGACGCG TATAATAAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2105       2115       2125       2135       2145       2155
3_SalI       TAAAAATGAT TATTAAAGAT GTTTATGAAG GCAATTTGAA GGACTTTCTA GACGAACTGT
3_Thai       TAAAAATGAT TATTAAAGAT GTTTATGAAG GCAATTTGAA GGACTTTCTA GACGAACTGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2165       2175       2185       2195       2205       2215
3_SalI       CTCTTAATGT AGACAAGAAT AGAAATTCCA TCAACCAAAG TAGTTCTACG AACGAACTGG
3_Thai       CTCTTAATGT AGACAAGAAT AGAAATTCCA TCAACCAAAG TAGTTCTACG AACGAACTGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2225       2235       2245       2255       2265       2275
3_SalI       ATGGCGTGTT AAATAATATA AAAGGTGATT ATGAGAAAAT GAAATCTATC AAATGTGATA
3_Thai       ATGGCGTGTT AAATAATATA AAAGGTGATT ATGAGAAAAT GAAATCTATC AAATGTGATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2285       2295       2305       2315       2325       2335
3_SalI       ATATATCAGA ATCTTTGCAG AACATAACGA ATGAACTCAA AATTATTTCA GACGCCAAAG
3_Thai       ATATATCAGA ATCTTTGCAG AACATAACGA ATGAACTCAA AATTATTTCA GACGCCAAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                2345       2355       2365       2375       2385       2395
3_SalI       AGGAAATTTT AAAAATCCAA TTCGGAGATA TCAATGAAAA ATTAACAAAC TCGTTAGAGC
3_Thai       AGGAAATTTT AAAAATCCAA TTCGGAGATA TCAATGAAAA ATTAACAAAC TCGTTAGAGC
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2405       2415       2425       2435       2445       2455
3_SalI      AACTTCAGAG TGTCTACGAC AAATTACAAG TTAGCACAAC AGAGTATACA GCGGGAAAGG
3_Thai      AACTTCAGAG TGTCTACGAC AAATTACAAG TTAGCACAAC AGAGTATACA GCGGGAAAGG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2465       2475       2485       2495       2505       2515
3_SalI      GGAAGATTGA GGAATACAAA ACGGTTATAC TAAAGGGGGA AAAAGAATTT TTTGACAAAG
3_Thai      GGAAGATTGA GGAATACAAA ACGGTTATAC TAAAGGGGGA AAAAGAATTT TTTGACAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2525       2535       2545       2555       2565       2575
3_SalI      CGTATGATAA GGATGAAGAT ATGTTAGAAG TGAAAGATGC TTACGCAAAT TTTCTCAAAC
3_Thai      CGTATGATAA GGATGAAGAT ATGTTAGAAG TGAAAGATGC TTACGCAAAT TTTCTCAAAC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2585       2595       2605       2615       2625       2635
3_SalI      ATAAGGATAA TCTCCTCAAG AACAGAAGTA AAGTGTTTGA AGAATTCCAT ATGGCGAAAG
3_Thai      ATAAGGATAA TCTCCTCAAG AACAGAAGTA AAGTGTTTGA AGAATTCCAT ATGGCGAAAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2645       2655       2665       2675       2685       2695
3_SalI      AGGCCCTAAA AACGGCTAGG ATTTACCTCC TATCTTATGT AGATGTGCCG GAAAAATATA
3_Thai      AGGCCCTAAA AACGGCTAGG ATTTACCTCC TATCTTATGT AGATGTGCCG GAAAAATATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2705       2715       2725       2735       2745       2755
3_SalI      ACATTATCAA GGGGGAAACA AATCAAAAAT ATAAAAAGAT AATACAAGAA ATTAATGACA
3_Thai      ACATTATCAA GGGGGAAACA AATCAAAAAT ATAAAAAGAT AATACAAGAA ATTAATGACA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2765       2775       2785       2795       2805       2815
3_SalI      AAGATGTCGA TATCAAATTG GAAGAATACG AAGCAGACTT CAACAGGGAC AACCAATTAT
3_Thai      AAGATGTCGA TATCAAATTG GAAGAATACG AAGCAGACTT CAACAGGGAC AACCAATTAT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2825       2835       2845       2855       2865       2875
3_SalI      CCGATAGCAT CATAAAGGAA GTGGACCAAT CAAATAAAAA TTTGTCTAAC CTGAAAATTT
3_Thai      CCGATAGCAT CATAAAGGAA GTGGACCAAT CAAATAAAAA TTTGTCTAAC CTGAAAATTT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2885       2895       2905       2915       2925       2935
3_SalI      TAAACAAGTC TATTAAAGAT TGCTCCACGG ATAGCAACAT TATCGAAGAA TTAATTAGCA
3_Thai      TAAACAAGTC TATTAAAGAT TGCTCCACGG ATAGCAACAT TATCGAAGAA TTAATTAGCA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               2945       2955       2965       2975       2985       2995
3_SalI      AAAATAATTC TCTGAAGGAA AAAATTATTT CCGAAAGGAA AGAAATAGAA GAAGATAATT
3_Thai      AAAATAATTC TCTGAAGGAA AAAATTATTT CCGAAAGGAA AGAAATAGAA GAAGATAATT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3005       3015       3025       3035       3045       3055
3_SalI       TCATGGAACA ACATGTGAAG ATAAATTTAA AAATCAAATT GAACGATGCT CGTATTACTC
3_Thai       TCATGGAACA ACATGTGAAG ATAAATTTAA AAATCAAATT GAACGATGCT CGTATTACTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3065       3075       3085       3095       3105       3115
3_SalI       TTGAAAACAA ATTGTATGAC AACAATTTGA CGAACTTGAA GACACAAATT AAGAATATTC
3_Thai       TTGAAAACAA ATTGTATGAC AACAATTTGA CGAACTTGAA GACACAAATT AAGAATATTC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3125       3135       3145       3155       3165       3175
3_SalI       TCGATTTTCA CACAAGTTCG AAGGAAAAAT ATAAAGATTT GAACGAAACA GACCTGAAGA
3_Thai       TCGATTTTCA CACAAGTTCG AAGGAAAAAT ATAAAGATTT GAACGAAACA GACCTGAAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3185       3195       3205       3215       3225       3235
3_SalI       AAATAAAAGA AAATGAAGAG TGGAAAAGCG CTAAGGAATT GATATACGCT CTTAATGTCG
3_Thai       AAATAAAAGA AAATGAAGAG TGGAAAAGCG CTAAGGAATT GATATACGCT CTTAATGTCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3245       3255       3265       3275       3285       3295
3_SalI       AATACGAAAT ATTGAAGAAG CAAGCGGATG GTCTGATCAG CAGCAAAAAT AGTGAAATTA
3_Thai       AATACGAAAT ATTGAAGAAG CAAGCGGATG GTCTGATCAG CAGCAAAAAT AGTGAAATTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3305       3315       3325       3335       3345       3355
3_SalI       TAAAATGGAT AGGCAACAGA ATAGTGGAAA AGAATAAAGA AATAAATGAA AAAGTGGATG
3_Thai       TAAAATGGAT AGGCAACAGA ATAGTGGAAA AGAATAAAGA AATAAATGAA AAAGTGGATG
Conservation ********** ********** ********** ********** ********** **********

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                3365       3375       3385       3395       3405       3415
3_SalI       AACATGTAAA TTCGTTCGAT GAAATTGTTG TAAAATCTAA GTCGCCCAGT TTTGTCAGAG
3_Thai       AACATGTAAA TTCGTTCGAT GAAATTGTTG TAAAATCTAA GTCGCCCAGT TTTGTCAGAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3425       3435       3445       3455       3465       3475
3_SalI       ATGTTAATCA CTACCAAAAT GGTGAGAATA AAGAAAAGGC AAGACAGTTT AATGCAGAAG
3_Thai       ATGTTAATCA CTACCAAAAT GGTGAGAATA AAGAAAAGGC AAGACAGTTT AATGCAGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3485       3495       3505       3515       3525       3535
3_SalI       TGGAAGCTCT CGTTCGGAAG ATCGAAACAG AAAAGGAAAA GTTTAACAAA ATTAAAACAA
3_Thai       TGGAAGCTCT CGTTCGGAAG ATCGAAACAG AAAAGGAAAA GTTTAACAAA ATTAAAACAA
Conservation ********** ********** ********** ********** ********** **********

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                3545       3555       3565       3575       3585       3595
3_SalI       ATTCTAATGA ATACTTGGTA CAAGCAAATC GAAAGAAAAG CGAAAATGTA GATTTCAAGG
3_Thai       ATTCTAATGA ATACTTGGTA CAAGCAAATC GAAAGAAAAG CGAAAATGTA GATTTCAAGG
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3605       3615       3625       3635       3645       3655
3_SalI       CCAAGGAAAA GGCCATGAAA GAAGTGTACG AACAAATTAG AAGCGCATCA GAAGAACTGA
3_Thai       CCAAGGAAAA GGCCATGAAA GAAGTGTACG AACAAATTAG AAGCGCATCA GAAGAACTGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3665       3675       3685       3695       3705       3715
3_SalI       ATAACTCACT GAAGGAAATT CCCACACTGA ATGATTTACA GAAGATAGAA TTAAAATTTG
3_Thai       ATAACTCACT GAAGGAAATT CCCACACTGA ATGATTTACA GAAGATAGAA TTAAAATTTG
Conservation ********** ********** ********** ********** ********** **********

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                3725       3735       3745       3755       3765       3775
3_SalI       AAAAAAACGA AATTCACGAT ATGGTTAATC AGATTACCAC TGAGCAGAAA AAGTGTGAGC
3_Thai       AAAAAAACGA AATTCACGAT ATGGTTAATC AGATTACCAC TGAGCAGAAA AAGTGTGAGC
Conservation ********** ********** ********** ********** ********** **********

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                3785       3795       3805       3815       3825       3835
3_SalI       AGGAAATGGC AGAAATCAAT TCTTGTAAAC ATGATATAGA TGAAATGAAG AGGGCAAACT
3_Thai       AGGAAATGGC AGAAATCAAT TCTTGTAAAC ATGATATAGA TGAAATGAAG AGGGCAAACT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3845       3855       3865       3875       3885       3895
3_SalI       CGGGAGAAGA GACTCCCGAT TCCCCTTTAT TTGTATATAC CGAATTTTAC GAAAAAGCGG
3_Thai       CGGGAGAAGA GACTCCCGAT TCCCCTTTAT TTGTATATAC CGAATTTTAC GAAAAAGCGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3905       3915       3925       3935       3945       3955
3_SalI       TAAGCAGTCA TGGGACTATC AAAGCCCGTT TTAACGAGGC TACCGGGTTA AATGGGAAGT
3_Thai       TAAGCAGTCA TGGGACTATC AAAGCCCGTT TTAACGAGGC TACCGGGCTA AATGGGAAGT
Conservation ********** ********** ********** ********** ******* ** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                3965       3975       3985       3995       4005       4015
3_SalI       GTGAGAGTAG CGAAAATATT AACGAAATAA AGGGAATGAA AAAGCAGATT GATTGTTATT
3_Thai       GTGAGAGTAG CGAAAATATT AACGAAATAA AGGGAATGAA AAAGCAGATT GATGGTTATT
Conservation ********** ********** ********** ********** ********** *** ******

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4025       4035       4045       4055       4065       4075
3_SalI       TGAGAGAAAT TTTAACAAAT TATGGCACCT TGCATGAAGC GTTGGGCGAT ATTAAAAATA
3_Thai       TGAGAGAAAT TTTAACAAAT TATGGCACCT TGCATGAAGC GTTGGGCGAT ATTAAAAATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4085       4095       4105       4115       4125       4135
3_SalI       TGAAGGAAAT GCTGATGGAT GTGGATGTTC AAGAAATTGT GCGTCTGGTG GAGAAGGATG
3_Thai       TGAAGGAAAT GCTGATGGAT GTGGATGTTC AAGAAATTGT GCGTCTGGTG GAGAAGGATG
Conservation ********** ********** ********** ********** ********** **********

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                4145       4155       4165       4175       4185       4195
3_SalI       AGACAGAAGC GCAGAAATAT GCCACGTTGG TGAAAAGTGA GCAGGCCAAA TCAGATGCCC
3_Thai       AGACAGAAGC GCAGAAATAT GCCACGTTGG TGAAAAGTGA GCAGGCCAAA TCAGATGCCC
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4205       4215       4225       4235       4245       4255
3_SalI       TAATTAAAGA ATTAGATAAA CATTTCACAG AAGCAACGAG GCTAAAAACG GAAATGAATA
3_Thai       TAATTAAAGA ATTAGATAAA CATTTCACAG AAGCAACGAG GCTAAAAACG GAAATGAATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4265       4275       4285       4295       4305       4315
3_SalI       AAAATTTATC CATCCAAAGA ATCGATGAAA TTGTCAATGA AATTATGAAA TATAAGGACG
3_Thai       AAAATTTATC CATCCAAAGA ATCGATGAAA TTGTCAATGA AATTATGAAA TATAAGGACG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4325       4335       4345       4355       4365       4375
3_SalI       AAATAGCACA CCGGAAAGAA GAAATGAACA ATTATTTGAA GAACTCCAAG GAGTATAAGG
3_Thai       AAATAGCACA CCGGAAAGAA GAAATGAACA ATTATTTGAA GAACTCCAAG GAGTATAAGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4385       4395       4405       4415       4425       4435
3_SalI       ATAAGGCTTT TCTGCATTAC CGTAACGCAG ACAGGAGAAA GAAAAAGCTA CAACATTTGA
3_Thai       ATAAGGCTTT TCTGCATTAC CGTAACGCAG ACAGGAGAAA GAAAAAGCTA CAACATTTGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4445       4455       4465       4475       4485       4495
3_SalI       AGGAAAAGGG GGAAGAATCT GAACCGCAGA TTGATATGGA TAAAGTAAGT TTGAGTGTAA
3_Thai       AGGAAAAGGG GGAAGAATCT GAACCGCAGA TTGATATGGA TAAAGTAAGT TTGAGTGTAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4505       4515       4525       4535       4545       4555
3_SalI       ACCAATGTAT GACTCAATCA AATGCCGCTT CAGCGAGTGA AGAAGAAATA AAAAAGCACG
3_Thai       ACCAATGTAT GACTCAATCA AATGCCGCTT CAGCGAGTGA AGAAGAAATA AAAAAGCACG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4565       4575       4585       4595       4605       4615
3_SalI       GTAATAGCTA CGCAGAATAT GAAGGAAAAA TGAATACTCT CTTAAATGAC ATTTCCGTTT
3_Thai       GTAATAGCTA CGCAGAATAT GAAGGAAAAA TGAATACTCT CTTAAATGAC ATTTCCGTTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4625       4635       4645       4655       4665       4675
3_SalI       TGCAAATAAG GACCAAGTAT GCAAAGGGGA AGGACCAGGC CACCAGCATC ATGAGAGAAA
3_Thai       TGCAAATAAG GACCAAGTAT GCAAAGGGGA AGGACCAGGC CACCAGCATC ATGAGAGAAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4685       4695       4705       4715       4725       4735
3_SalI       TCGAACAATT GCATGCAGGC ATCCAAGAAA AACTTAAAGA ATCTGAAAGA AAATTAGAAA
3_Thai       TCGAACAATT GCATGCAGGC ATCCNAGAAA AACTTAAAGA ATCTGAAAGA AAATTAGAAA
Conservation ********** ********** **** ***** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4745       4755       4765       4775       4785       4795
3_SalI       TGTGGAAGAG GAAATCCCAA ATGAATGAAA GAACAGATAT ATTGAATAAT GACAAATCGA
3_Thai       TGTGGAAGAG GAAATCCCAA ATGAATGAAA GAACAGATAT ATTGAATAAT GACAAATCGA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4805       4815       4825       4835       4845       4855
3_SalI       AGACGGCATA CATAAACGTG AAATTAAATT TAGAATTAGT CGAGTCTAAT TTAGGCCAGA
3_Thai       AGACGGCATA CATAAACGTG AAATTAAATT TAGAATTAGT CGAGTCTAAT TTAGGCCAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4865       4875       4885       4895       4905       4915
3_SalI       TAAAAAGTTT GAAAGAAAGT GTGAATAATA TTCTATCCAA ATCGACTAAT TTGAATAGTT
3_Thai       TAAAAAGTTT GAAAGAAAGT GTGAATAATA TTCTATCCAA ATCGACTAAT TTGAATAGTT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4925       4935       4945       4955       4965       4975
3_SalI       CCATACTAGG GGCGTATAAA ATTGAAAGTG ATAGCTCCTT AGATGTGCTG AAAAAGGAAG
3_Thai       CCATACTAGG GGCGTATAAA ATTGAAAGTG ATAGCTCCTT AGATGTGCTG AAAAAGGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                4985       4995       5005       5015       5025       5035
3_SalI       AAATGCATTA CATGCAGTAT TTGAAAAATA TTGAAAATGA GAAAAAGCTC ATGACGGAAG
3_Thai       AAATGCATTA CATGCAGTAT TTGAAAAATA TTGAAAATGA GAAAAAGCTC ATGACGGAAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5045       5055       5065       5075       5085       5095
3_SalI       AGAAGAGCAA CATGGATGTG ATACACGGAA ATGTCCTTAA AATAGAAAAT GAGATGGAGA
3_Thai       AGAAGAGCAA CATGGATGTG ATACACGGAA ATGTCCTTAA AATAGAAAAT GAGATGGAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5105       5115       5125       5135       5145       5155
3_SalI       AATGTAAAAA AAATTACGAA GAGAGCATTT TGAAAAAAGC CAAAGAAACG GCTGATAAGA
3_Thai       AATGTAAAAA AAATTACGAA GAGAGCATTT TGAAAAAAGC CAAAGAAACG GCTGATAAGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5165       5175       5185       5195       5205       5215
3_SalI       AGAAACAACT TATTGAGGCA ACTAGGGAGT CGCTAAACTC CCTGGAGCCA TACTTTACCG
3_Thai       AGAAACAACT TATTGAGGCA ACTAGGGAGT CGCTAAACTC CCTGGAGCCA TACTTTACCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5225       5235       5245       5255       5265       5275
3_SalI       AGATGTTTAA TGAATCATAT TTGAAAGAAT ACAACATTAA GGAAAAATTT GTCGGTTATC
3_Thai       AGATGTTTAA TGAATCATAT TTGAAAGAAT ACAACATTAA GGAAAAATTT GTCGGTTATC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5285       5295       5305       5315       5325       5335
3_SalI       AAAAGAGCAT GAAAGGGTTA TATGACGAAT TTGGTGAGTC CTACAAAGTA ATCGAAACGA
3_Thai       AAAAGAGCAT GAAAGGGTTA TATGACGAAT TTGGTGAGTC CTACAAAGTA ATCGAAACGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                5345       5355       5365       5375       5385       5395
3_SalI       ACGCTGCAAA GGTTGCAGAG GGCACGGTAA AGTATGATGA AGCGAGAAGA CTGAGGGAGG
3_Thai       ACGCTGCAAA GGTTGCAGAG GGCACGGTAA AGTATGATGA AGCGAGAAGA CTGAGGGAGG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5405       5415       5425       5435       5445       5455
3_SalI      AAGCTCAAAA GGCAGAAATA AATATTAACA ATAAGGAAGA AGCTGCAAAA ACAAATTTGA
3_Thai      AAGCTCAAAA GGCAGAAATA AATATTAACA ATAAGGAAGA AGCTGCAAAA ACAAATTTGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5465       5475       5485       5495       5505       5515
3_SalI      ACAAAATAAA GCAGCATGAA TTTATGAACT TTCTATTTCA TACAAAGGAA CATGTGGATA
3_Thai      ACAAAATAAA GCAGCATGAA TTTATGAACT TTCTATTTCA TACAAAGGAA CATGTGGATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5525       5535       5545       5555       5565       5575
3_SalI      ATATTAAGAA AGCGTGTGAA CAAGAAAATA CCAAAATGGA CTAAGGACAT ACCCATATTA
3_Thai      ATATTAAGAA AGCGTGTGAA CAAGAAAATA CCAAAATGGA CGAAGGACAT ACCCATATTA
Conservation ********** ********** ********** ********** * ******** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5585       5595       5605       5615       5625       5635
3_SalI      AGCAAATCAT TATAAACATT CGAAAGTTAA CAGACCAGAA GAGCACTTTC GAAACGTTAA
3_Thai      AGCAAATCAT TATAAACATT CGAAAGTTAA CAGACCAGAA GAGCACTTTC GAAACGTTAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5645       5655       5665       5675       5685       5695
3_SalI      AAATGGCAAA GGAGAAAAAT AACGAAATAA AAAAGAACGC ACAGCAGTGT AATAAAAATG
3_Thai      AAATGGCAAA GGAGAAAAAT AACGAAATAA AAAAGAACGC ACAGCAGTGT AATAAAAATG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5705       5715       5725       5735       5745       5755
3_SalI      AGGTACATAG CGCCTTTGGG AAGATGATAA AAGCGTCTAA TTTTATGGGG ATAAAAATAT
3_Thai      AGGCACATAG CGCCTTTGGG AAGATGATAA AAGCGTCTAA TTTTATGGGG ATAAAAATAT
Conservation *** ****** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5765       5775       5785       5795       5805       5815
3_SalI      TAACAAACTT AGGATCCGAG TTGAGCCCCG AAATGCACCT AGAAACTACT TCACGAACTA
3_Thai      TAACAAACTT AGGATCCGAG TTGAGCCCCG AAATGCACCT AGAAACTACT TCACGAACTA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5825       5835       5845       5855       5865       5875
3_SalI      ATTCAGAGTT AAAATTTGAA TCGGAGGTGG AAATAAAGTC GGAAAGTGAT GCCAAATTAG
3_Thai      ATTCAGAGTT AAAATTTGAA TCGGAGGTGG AAATAAAGTC GGAAAGTGAT GCCAAATTAG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5885       5895       5905       5915       5925       5935
3_SalI      ATGCCTACAA AAATCTACAA GTGGCCTATG GATATATTCA AAAAATATTT AAAGATTCGG
3_Thai      ATGCCTACAA AAATCTACAA GTGGCCTATG GATATATTCA AAAAATATTT AAAGATTCGG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               5945       5955       5965       5975       5985       5995
3_SalI      AGGAGACAGA GAGGAAACAA GAAGAAATCG AAGGGTGGAT AAGGAAAGGG AACAATAAAT
3_Thai      AGGAGACAGA GAGGAAACAA GAAGAAATCG AAGGGTGGAT AAGGAAAGGG AACAATAAAT
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6005       6015       6025       6035       6045       6055
3_SalI       GTCACGATAT TAAATCATCT AATGAATTAA AAACTAAATT GAAGTACACG AAGTATAAGG
3_Thai       GTCACGATAT TAAATCATCT AATGAATTAA AAACTAAATT GAAGTACACG AAGTATAAGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6065       6075       6085       6095       6105       6115
3_SalI       GAAACATTAC TTTAACTAAA ATTAATGACG CTTTGACCAA GTCTGCCCAA TTGAAAGCGA
3_Thai       GAAACATTAC TTTAACTAAA ATTAATGACG CTTTGACCAA GTCTGCCCAA TTGAAAGCGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6125       6135       6145       6155       6165       6175
3_SalI       TGACTTGCAG TATTGTGAAC GATAGCAAAA TTATGGAGAG CTCAGAATAT ACAAAATTGA
3_Thai       TGACTTGCAG TATTGTGAAC GATAGCAAAA TTATGGAGAG CTCAGAATAT ACAAAATTGA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6185       6195       6205       6215       6225       6235
3_SalI       AGGAGATGAG TGATACGTAC AATCGGAAGA AGAAGGAAGA AGTATCCGAG ACGGAGGTCG
3_Thai       AGGAGATGAG TGATACGTAC AATCGGAAGA AGAAGGAAGA AGTATCCGAG ACGGAGGTCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6245       6255       6265       6275       6285       6295
3_SalI       ACGGAATAAA TGAAGAATTC CAAGGGATTA TGAAAAATAT AGAAAGTTTA GAAAAGCAAT
3_Thai       ACGGAATAAA TGAAGAATTC CAAGGGATTA TGAAAAATAT AGAAAGTTTA GAAAAGCAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6305       6315       6325       6335       6345       6355
3_SalI       TTGAAGCAGT ACAGGAACAA GAATCACCCA GCGAAATGAT TATCGTGGAA AACTCCCTAG
3_Thai       TTGAAGCAGT ACAGGAACAA GAATCACCCA GCGAAATGAT TATCGTGGAA AACTCCCTAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6365       6375       6385       6395       6405       6415
3_SalI       TTACAGAAAT TAATAAAAAA ATAGACAGCA TAAATAGCAG AATTACAACG ATTATGACTA
3_Thai       TTACAGAAAT TAATAAAAAA ATAGACAGCA TAAATAGCAG AATTACAACG ATTATGACTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6425       6435       6445       6455       6465       6475
3_SalI       GTCTTAACGA GTTGCTAGTA ACAGGAAAGG CATGTGAGAA ATCGTCTTAT GCTTCCCTAA
3_Thai       GTCTTAACGA GTTGCTAGTA ACAGGAAAGG CATGTGAGAA ATCGTCTTAT GCTTCCCTAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6485       6495       6505       6515       6525       6535
3_SalI       TTGGTAATAT AAATGCGAAA ACGTCAAGTG ACTTAAGAAT AATCAGTAAC CAAAAGGAAA
3_Thai       TTGGTAATAT AAATGCGAAA ACGTCAAGTG ACTTATGAAT AATCAGTAAC CAAAAGGAAA
Conservation ********** ********** ********** *****:**** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6545       6555       6565       6575       6585       6595
3_SalI       ACGCGGAAAA GTACGTAGAA TACATTAAGA AAAATTCAAA CTTGATAAAT GATGACATTC
3_Thai       ACGCGGAAAA GTACGTAGAA TACATTAAGA AAAATTCAAA CTTGATAAAT GATGACATTC
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6605       6615       6625       6635       6645       6655
3_SalI       GTGCATTAAA TAAATACTTT GATACTAATA GGATAAATAA TTACCAGTTG AAAAATTTGG
3_Thai       GTGCATTAAA TAAATACTTT GATACTAATA GGATAAATAA TTACCAGTTG AAAAATTTGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6665       6675       6685       6695       6705       6715
3_SalI       AAGAAGTAAT TAAACACGCT AATGATTTTA ACGCAAAGGA AAAAGAAGCA ACGGGAATAG
3_Thai       AAGAAGTAAT TAAACACGCT AATGATTTTA ACGTAAAGGA AAAAGAAGCA ACGGGAATAG
Conservation ********** ********** ********** *** ****** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6725       6735       6745       6755       6765       6775
3_SalI       TTAACGAAAT TAAAAAAGAA TTCCTAGACC TAAGTCGGGA GGTAGAAATG AATTTCTTAA
3_Thai       TTAACGAAAT TAAAAAAGAA TTCCTAGACC TAAGTCGGGA GGTAGAAATG AATTTCTTAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6785       6795       6805       6815       6825       6835
3_SalI       ATAGCAGCAA AGAAAAAATT ATGGAACATT ACAAAAATCT GAAAGATAAA ATAAAGAGCA
3_Thai       ATAGCAGCAA AGAAAAAATT ATGGAACATT ACAAAAATCT GAAAGATAAA ATAAAGAGCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6845       6855       6865       6875       6885       6895
3_SalI       TTAACGAAGT TTATAAAAAT ATCAACTTGG TAAAATTGAA AGAAATGGAA AGTAGCTCAG
3_Thai       TTAACGAAGT TTATAAAAAT ATCAACTTGG TAAAATTGAA AGAAATGGAA AGTAGCTCAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6905       6915       6925       6935       6945       6955
3_SalI       ATAAGTACTT AGAAATAGCA GGGAAATTTA AAAATGTGCT AGATACTCAA ATAACAAGGC
3_Thai       ATAAGTACTT AGAAATAGCA GGGAAATTTA AAAATGTGCT AGATACTCAA ATAACAAGGC
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                6965       6975       6985       6995       7005       7015
3_SalI       TGTTGGATAA TCATATGGTG CTACAAGATA TCGAAAAAAA TATAACAGAA AATGAAGGGG
3_Thai       TGTTGGATAA TCATATGGTG CTACAAGATA TCGAAAAAAA TATAACAGAA AATGAAGGGG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7025       7035       7045       7055       7065       7075
3_SalI       AACTGAAAGG TATTAGTAAT ACATACACAC TACAGTCCAT CCAAAAGTTT AACAATGTGT
3_Thai       AACTGAAAGG TATTAGTAAT ACATACACAC TACAGTCCAT CCAAAAGTTT AACAATGTGT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7085       7095       7105       7115       7125       7135
3_SalI       GTAAGAATAT TGAGACCAAT ATGCAGAAGC TGCATGAAGT AGAGCAGTAG AATAACAGTG
3_Thai       GTAAGAATAT TGAGACCAAT ATGCAGAAGC TGCATGAAGT AGAGCAGTAG AATAACAGTG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7145       7155       7165       7175       7185       7195
3_SalI       AGGAAAAACA GGTGAAAGCC TGTATAGAAA ATGTGTCCCA TCTTATAAAC AGAGGAAACA
3_Thai       AGGAAAAACA GGTGAAAGCC TGTATAGAAA ATGTGTCCCA TCTTATAAAC AGAGGAAACA
Conservation ********** ********** ********** ********** ********** **********
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             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7205       7215       7225       7235       7245       7255
3_SalI       ATTTGTTGAC CGATTTAAAT GATTACGATG TAGTAAGCCA TAGTGCGGCG AAAGAAATAA
3_Thai       ATTTGTTGAC CGATTTAAAT GATTACGATG TAGTAAGCCA TAGTGCGGCG AAAGAAATAA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7265       7275       7285       7295       7305       7315
3_SalI       CTGATGAGAG TACAAAAGAG TACATTACAA AGATTAAAGG AAAGGTAAAT AATACCATAG
3_Thai       CTGATGAGAG TACAAAAGAG TACATTACAA AGATTAAAGG AAAGGTAAAT AATACCATAG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7325       7335       7345       7355       7365       7375
3_SalI       AGGCATTTCA AAAGGTGTTA GAAAACATTC AGGAAAATAA ATCGCACACA CAGAACAATG
3_Thai       AGGCATTTCA AAAGGTGTTA GAAAACATTC AGGAAAATAA ATCGCACACA CAGAACAATG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7385       7395       7405       7415       7425       7435
3_SalI       GAGATTTAAA TAAAGGCATA TACGAAATAT GGAAAAGGGC TAACGAAATT AAGGCAAACT
3_Thai       GAGATTTAAA TAAAGGCATA TACGAAATAT GGAAAAGGGC TAACGAAATT AAGGCAAACT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7445       7455       7465       7475       7485       7495
3_SalI       TCACGGAAAA TTTTCCAGAA AATGATAACT ACTTTCAAGT GGGGGATTAT CTAAAGGATA
3_Thai       TCACGGAAAA TTTTCCAGAA AATGATAACT ACTTTCAAGT GGGGGATTAT CTAAAGGATA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7505       7515       7525       7535       7545       7555
3_SalI       TAAAAAACAT TTTGAACGAA ACTGTTGGAG GTGCCAACAT AGAGGAATAT ATCAAAAGCG
3_Thai       TAAAAAACAT TTTGAACGAA ACTGTTGGAG GTGCCAACAT AGAGGAATAT ATCAAAAGCG
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7565       7575       7585       7595       7605       7615
3_SalI       TTTCTCAAAA TATTGAAGAA CAAATAAAGG GTACACAAAA TCATCGTAAT GTGGAATCCA
3_Thai       TTTCTCAAAA TATTGAAGAA CAAATAAAGG GTACACAAAA TCATCGTAAT GTGGAATCCA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7625       7635       7645       7655       7665       7675
3_SalI       TTTTAAAAGC CAAAAAAAAG ATTCAATCTT ATAATGAAGA GGCAAACAAA ACATTACAAT
3_Thai       TTTTAAAAGC CAAAAAAAAG ATTCAATCTT ATAATGAAGA GGCAAACAAA ACATTACAAT
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7685       7695       7705       7715       7725       7735
3_SalI       CTATGAACAC TGCTCAGGAT AAAATTTTGT TAAAGAAAAA AGACATGGAT AATATATTTA
3_Thai       CTATGAACAC TGCTCAGGAT AAAATTTTGT TAAAGAAAAA AGACATGGAT AATATATTTA
Conservation ********** ********** ********** ********** ********** **********

             ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
                7745       7755       7765       7775       7785       7795
3_SalI       GTATTCTATC CGTAAATATG AAGAATAGTG TGTACATAAA TACGAAAAAA TATATTAACG
3_Thai       GTATTCTATC CGTAAATATG AAGAATAGTG TGTACATAAA TACGAAAAAA TATATTAACG
Conservation ********** ********** ********** ********** ********** **********
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            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7805       7815       7825       7835       7845       7855
3_SalI      AGGTGGATGA TTTATTTAAC AAGTTAAAAG TGGATGTACA TAAGTTGGAA AATTTTATAA
3_Thai      AGGTGGATGA TTTATTTAAC AAGTTAAAAG TGGATGTACA TAAGTTGGAA AATTTTATAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7865       7875       7885       7895       7905       7915
3_SalI      ATGATACTGA ACTGAGAATA AAGCAGTTAG AGGAAGAGGA AGCTAAGCTC AAAATTAAGA
3_Thai      ATGATACTGA ACTGAGAATA AAGCAGTTAG AGGAAGAGGA AGCTAAGCTC AAAATTAAGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7925       7935       7945       7955       7965       7975
3_SalI      ATGCAGTTAA TGGTGATTTG AATGAGCATT CTGAGGATGC TTCTCGTGAT GAGGACGACG
3_Thai      ATGCAGTTAA TGGTGATTTG AATGAGCATT CTGAGGATGC TTCTCGTGAT GAGGACGACG
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               7985       7995       8005       8015       8025       8035
3_SalI      AACCATTAGG TGAGGTTACG CAAAATTCAG ATTCGGAAGG GTCAAGTGAT AACCAAAATA
3_Thai      AACCATTAGG TGAGGTTACG CAAAATTCAG ATTCGGAAGG GTCAAGTGAT AACCAAAATA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8045       8055       8065       8075       8085       8095
3_SalI      GGCGTAAACG AAATGGTGCA AGTAGCCATT CAAAAGGAAA TTCTTCTAAT AACTCTTTGA
3_Thai      GGCGTAAACG AAATGGTGCA AGTAGCCATT CAAAAGGAAA TTCTTCTAAT AACTCTTTGA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8105       8115       8125       8135       8145       8155
3_SalI      ATAATGTGCA TGGATTAAAA GAAGATAATA AAACTGGTGA CAACCATTCT GATGACAATC
3_Thai      ATAATGTGCA TGGATTAAAA GAAGATAATA AAACTGGTGA CAACCATTCT GATGACAATC
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8165       8175       8185       8195       8205       8215
3_SalI      AGAAAGAAGA ATCTCATAAT GGAAGTAATA ATTCGGGTGG AAAAGGCTCA CGGGAGAGGT
3_Thai      AGAAAGAAGA ATCTCATAAT GGAAGTAATA ATTCGGGTGG AAAAGGCTCA CGGGAGAGGT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8225       8235       8245       8255       8265       8275
3_SalI      TCAGATATGC TGGAGGAATT ACGCTAGCAT TTTTTATTTG CTCAAGTGCT GGATTCGCAA
3_Thai      TCAGATATGC TGGAGGAATT ACGCTAGCAT TTTTTATTTG CTCAAGTGCT GGATTCGCAA
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8285       8295       8305       8315       8325       8335
3_SalI      TCATTAAATA TAAAAATCAT GAATCACAAG AAGCCGATTT CGGAACAGAC AAGGAGCACT
3_Thai      TCATTAAATA TAAAAATCAT GAATCACAAG AAGCCGATTT CGGAACAGAC AAGGAGCACT
Conservation ********** ********** ********** ********** ********** **********

            ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
               8345       8355       8365       8375       8385       8395
3_SalI      TTGAGGGGGA TAAAGATTTT AATAAACGGG AAAAGGAGGA AATTATTGAA GTTTCTTTTA
3_Thai      TTGAGGGGGA TAAAGATTTT AATAAACGGG AAAAGGAGGA AATTATTGAA GTTTCTTTTA
Conservation ********** ********** ********** ********** ********** **********
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              ....|....| ....|....| ...
                 8405       8415
3_SalI        ACGAAAATGA ACACTATGAA TGA
3_Thai        ACGAAAATGA ACACTATGAA TGA
Conservation ********** ********** ***
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