**SYRITTA PIPIENS**

5 base gap (base addition?)

SPP010 (MOTIF:4; AAAC)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 149 | 153 | 157 | 161 | 166 | 170 | 174 |
| # | 7 | 2936 | 121 | 847 | 101 | 33 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| Fragment length | 150 | 151 | 160 |
| # | 1 | 1 | 38 |
| Indiv. ID | SW\_55\_1\_02-08-21\_B | CO\_225\_1\_28-07-21 |  |
| Question | 149? | 149? | 161? |

Solution for Migraine: substract one to 166, 170 and 174 to have constant gap

SPP053 (MOTIF:2; AG)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 150 | 152 | 154 | 156 | 158 | 160 | 162 |
| # | 3 | 1 | 128 | 1400 | 211 | 2060 | 76 |
| Fragment length | 164 | 166 | 168 | 170 | 172 | 174 |  |
| # | 79 | 19 | 3 | 16 | 4 | 9 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fragment length | 137 | 147 | 155 | 159 |
| # | 2 | 1 | 1 | 1 |
| Indiv. ID | SW\_198\_2\_14-08-21\_A  CO\_234\_1\_08-06-21 | SW\_46\_2\_27-07-21\_B | CO\_407\_2\_02-09-21\_C | SW\_128\_3\_29-07-21\_A |
| Question | 136/138? | 146/148? | 154/156? | 158/160? |

SPP080 (MOTIF:2; AC)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 152 | 162 | 164 | 166 | 168 |
| # | 1 | 3 | 2059 | 1944 | 6 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fragment length | 147 | 163 | 165 | 167 |
| # | 34 | 4 | 1 | 8 |
| Indiv. ID |  | SW\_14\_1\_30-07-21\_A  CO\_141\_1\_05-08-21\_C  CO\_141\_1\_05-08-21\_D  CO\_458\_1\_21-07-21 | CO\_126\_1\_10-08-21\_D | LUX\_83\_1\_04-09-21\_B  CO\_14\_1\_12-08-21\_C CO\_187\_1\_18-07-21  CO\_23\_1\_20-08-21\_B CO\_256\_1\_10-06-21\_B CO\_301\_1\_22-07-21  CO\_89\_2\_04-08-21\_B |
| Question | Base add/disruption? | 162/164? | 164/166? | 166/168? |

SPP142 (MOTIF:2; AC)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 84 | 86 | 88 | 90 | 92 | 94 | 96 | 98 |
| # | 2 | 25 | 1 | 76 | 771 | 902 | 1881 | 268 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 75 | 91 | 93 | 97 | 99 | 101 | 105 |
| # | 20 | 62 | 11 | 1 | 25 | 20 | 1 |
| Indiv. ID |  |  |  | SW\_153\_1\_10-08-21\_B |  |  | LUX\_183\_2\_19-08-21\_B |
| Question |  |  |  |  |  |  |  |

SPP231 (MOTIF:2; AC)

5 base gap (base addition?)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 124 | 129 | 131 | 133 | 135 | 137 | 141 |
| # | 310 | 1 | 36 | 1167 | 2569 | 13 | 2 |

|  |  |
| --- | --- |
| Fragment length | 125 |
| # | 2 |
| Indiv. ID | LUX\_153\_1\_11-07-21\_A  CO\_196\_1\_09-06-21 |
| Question | 124? |

SPP273 (MOTIF:3; ACG)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 228 | 236 | 242 | 244 | 246 | 247 | **250** | 254 |
| # | 1 | 5 | 198 | 8 | 12 | 4 | **1111** | 9 |
| **256** | 260 | 262 | 266 | 268 | 272 | 274 | 278 | 279 |
| **382** | 44 | 15 | 16 | 72 | 28 | 53 | 23 | 1 |
| **280** | 284 | **287** | 290 | 294 | 296 | 300 | 302 | 306 |
| **1280** | 110 | **191** | 35 | 53 | 83 | 83 | 57 | 37 |
| 308 | 311 | 314 | 317 | 320 | 324 | 326 |  |  |
| 31 | 12 | 10 | 1 | 1 | 3 | 1 |  |  |

Solution for Migraine: drop this locus

SPP476 (MOTIF:2; AC)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 93 | 99 | 103 | 107 | 109 | 111 | 113 |
| # | 4 | 1 | 603 | 1080 | 1787 | 437 | 8 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fragment length | 100 | 102 | 104 | 110 |
| # | 6 | 2 | 125 | 1 |
| Indiv. ID | SW\_123\_1\_05-08-21\_A SW\_204\_5\_18-08-21\_A LUX\_55\_1\_01-09-21\_C CO\_171\_1\_03-09-21\_C CO\_233\_1\_16-07-21\_B | CO\_205\_1\_29-07-21\_C  CO\_281\_2\_09-07-21\_A |  | CO\_346\_1\_30-07-21\_C |
| Question | 99? | 103? | 103? | 109/111? |

SPP051 (MOTIF:2; AC)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 121 | 123 | 125 | 127 | 129 | 131 | 133 |
| # | 1 | 2 | 4 | 870 | 1257 | 1123 | 471 |
| Fragment length | 135 | 137 | 139 | 143 |  |  |  |
| # | 35 | 5 | 4 | 1 |  |  |  |

|  |  |  |
| --- | --- | --- |
| Fragment length | 120 | 124 |
| # | 1 | 2 |
| Indiv. ID | LUX\_193\_1\_18-09-21\_D | LUX\_131\_2\_30-08-21\_B |
| Question | 121? | 123?125? |

SPP108 (MOTIF:2; AG)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 180 | 182 | 184 | 186 | **187** | 188 | 190 |
| # | 8 | 1289 | 37 | 305 | **740** | 1396 | 231 |
| Fragment length | 192 | 196 | 198 |  |  |  |  |
| # | 23 | 2 | 5 |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 181 | 183 | 185 | 189 | 191 |
| # | 7 | 1 | 6 | 6 | 2 |
| Indiv. ID | SW\_115\_1\_07-08-21\_B SW\_140\_1\_13-08-21\_B SW\_175\_2\_18-08-21\_D  SW\_78\_2\_15-06-21\_A LUX\_10\_2\_25-08-21\_B LUX\_197\_2\_29-07-21\_D | CO\_417\_1\_30-07-21\_D | SW\_162\_2\_13-08-21\_C SW\_96\_1\_06-08-21\_A LUX\_193\_1\_18-09-21\_A  LUX\_25\_2\_19-08-21\_E CO\_131\_1\_27-07-21 CO\_74\_2\_04-08-21\_C | SW\_162\_2\_13-08-21\_A SW\_20\_2\_01-08-21\_C LUX\_100\_3\_08-09-21\_A  CO\_161\_1\_18-09-21\_A CO\_223\_2\_22-09-21 CO\_342\_2\_07-08-21\_B | LUX\_136\_3\_21-09-21\_C |
| Question |  |  |  |  |  |

SPP141 (MOTIF:2; AC)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 118 | 120 |
| # | 3 | 4 | 958 | 1054 | 1218 | 512 | 45 | 5 | 4 |

|  |  |
| --- | --- |
| Fragment length | 123 |
| # | 1 |
| Indiv. ID | LUX\_54\_2\_26-08-21\_B |
| Question |  |

Solution for Migraine: drop this individual

SPP313 (MOTIF:2; AC)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 226 | 228 | 230 | 232 | 234 | 236 | 238 |
| # | 1 | 38 | 81 | 113 | 7 | 564 | 3059 |
| Fragment length | 240 | 242 | 244 |  |  |  |  |
| # | 225 | 2 | 1 |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fragment length | 215 | 229 | 233 | 237 |
| # | 1 | 1 | 12 | 1 |
| Indiv. ID | LUX\_O220\_1\_25-7-19 | CO\_281\_2\_09-07-21\_B |  | LUX\_196\_2\_29-07-21\_A |
| Question |  |  |  |  |

SPP360 (MOTIF:2; AG)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 119 | 123 | 124 | 129 | 132 | 134 | 136 | 138 |
| # | 1 | 1 | 1 | 2028 | 55 | 1561 | 340 | 41 |
| Indiv. ID | CO\_256\_2\_10-06-21\_A | SW\_108\_2\_02-08-21\_A | SW\_26\_1\_05-08-21\_B |  |  |  |  |  |

SPP391 (MOTIF:2; AG)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 153 | 157 | 159 | 161 | 163 | 165 | 167 |
| # | 1 | 2 | 7 | 24 | 250 | 289 | 1757 |
| Fragment length | 169 | 171 | 173 | 175 | 177 | 179 | 181 |
| # | 553 | 677 | 389 | 144 | 14 | 11 | 1 |

|  |  |  |
| --- | --- | --- |
| Fragment length | 152 | 166 |
| # | 3 | 8 |
| Indiv. ID | SW\_175\_2\_18-08-21\_E  LUX\_187\_2\_18-08-21\_D  CO\_68\_1\_04-10-21\_D | SW\_43\_1\_05-08-21\_D LUX\_132\_2\_30-08-21\_C LUX\_61\_1\_31-08-21\_C  LUX\_61\_2\_31-08-21\_D CO\_122\_1\_06-08-21\_A CO\_210\_1\_15-10-21  CO\_342\_1\_07-08-21\_C CO\_52\_1\_22-09-21\_D |
| Question | 152? |  |