**MF239 (MOTIF: 2; AC)**

Weird fragment length: 173

Indiv. ID:

CO\_325\_1\_22-07-21\_A

LUX\_137\_1\_30-07-21\_B

Solution for Migraine:

**MF265 (MOTIF: 2; AC)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 241 | 251 | 253 | 255 | 259 |
| # | 1 | 1 | 1191 | 663 | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 244 | 248 | 250 | 252 | 262 |
| # | 6 | 1 | 3 | 2 | 1 |
| Indiv. ID | "CO\_146\_1\_04-09-21\_A" "CO\_36\_1\_31-07-21\_A" "LUX\_138\_1\_31-07-21\_B"  "LUX\_196\_1\_29-07-21\_B" "LUX\_86\_1\_28-07-21\_A" "SW\_193\_2\_23-07-21\_A" | "SW\_161\_2\_15-08-21\_A" | "CO\_255\_1\_22-08-21" "CO\_311\_1\_21-09-21" "CO\_325\_1\_22-07-21\_B" | "CO\_149\_1\_03-09-21\_C" "CO\_149\_1\_03-09-21\_D" | "CO\_148\_1\_03-09-21\_D" |

**MF270 (MOTIF: 2; AC)**

Weird fragment length: 208

"LUX\_73\_2\_20-08-21\_B"

Weird fragment length: 210

"CO\_249\_1\_24-09-21\_C" "LUX\_138\_1\_29-07-21\_A" "SW\_129\_4\_28-07-21\_A"

**MF59 (MOTIF: 3; ACG)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 158 | 161 | 164 | 170 | 173 | 176 | 179 | 182 | 185 |
| # | 11 | 1 | 2 | 759 | 237 | 60 | 595 | 6 | 1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 156 | 159 | 168 | 175 | 178 | 182- |
| # | 6 | 2 | 3 | 76 | 2 | 6 |
| Indiv. ID | "CO\_146\_1\_04-09-21\_B" "CO\_60\_1\_31-07-21" "SW\_12\_2\_30-07-21\_A"  "SW\_43\_1\_05-08-21\_A" | "SW\_139\_2\_13-08-21\_C" "SW\_161\_1\_11-08-21\_A" | "CO\_184\_2\_06-08-21" "CO\_304\_1\_01-09-21" |  | "CO\_282\_1\_02-10-21\_D" "LUX\_183\_2\_19-08-21\_A" | "CO\_134\_1\_06-08-21" "CO\_2\_1\_20-08-21" "CO\_327\_5\_09-06-21"  "CO\_74\_1\_05-09-21\_B" "LUX\_231\_2\_24-08-21\_A" "SW\_169\_1\_10-08-21\_A" |

**MF130 (MOTIF: 2; AG)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 164 | 165 | 167 | 168 | 170 | 171 | 172 | 173 | 174 |
| # | 3 | 18 | 1 | 1 | 1 | 1 | 15 | 86 | 1 |
| Fragment length | 175 | 176 | 178 | **179** | 180 | 181 | 182 | 183 | 184 |
| # | 145 | 217 | 8 | **962** | 2 | 115 | 52 | 1 | 143 |
| Fragment length | 186 | 188 |  |  |  |  |  |  |  |
| # | 19 | 2 |  |  |  |  |  |  |  |

**MF197 (MOTIF: 2; AC)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 136 | 138 | 142 | 144 | 146 | 150 |
| # | 17 | 59 | 6 | 1748 | 41 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fragment length | 139 | 141 | 143 | 149 |
| # | 17 | 1 | 1 | 1 |
| Indiv. ID | 140?! | SW\_29\_2\_29-07-21\_A | CO\_60\_1\_31-07-21 | CO\_73\_3\_04-08-21\_B |

**MF36 (MOTIF: 3; ACC)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 89 | 92 | 93 | 96 | 98 |
| # | 784 | 1 | 255 | 1 | 2 |
| Invid. ID |  | LUX\_88\_1\_23-08-21\_A |  | CO\_349\_1\_25-09-21\_B | "CO\_229\_3\_29-05-21" "SW\_108\_1\_02-08-21\_A" |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 99 | 102 | 103 | 105 | 109 |
| 27 | 4 | 763 | 13 | 34 |
|  | "CO\_22\_1\_14-08-21" "CO\_229\_3\_29-05-21" "LUX\_88\_1\_23-08-21\_A"  "SW\_108\_1\_02-08-21\_A" |  |  |  |

**MF419 (MOTIF: 2; AC)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 230 | 235 | 239 | 241 | 242 | 243 | 244 | 246 | 247 |
| # | 21 | 1 | 6 | 3 | 87 | 813 | 31 | 8 | 1 |
|  |  | LUX\_110\_1\_06-09-21\_A |  | "CO\_359\_1\_10-08-21" "CO\_405\_1\_06-09-21" "CO\_63\_1\_22-09-21\_C" |  |  |  |  | SW\_45\_3\_29-07-21\_A |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 248 | 249 | 250 | 252 | 254 | 255 | 260 |  |  |
| # | 252 | 373 | 85 | 105 | 7 | 76 | 1 |  |  |
|  |  |  |  |  |  |  | LUX\_155\_1\_03-08-21\_B |  |  |

**MF492 (MOTIF: 2; AC)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fragment length | 144 | 146 | 148 | 152 |
| # | 82 | 1346 | 415 | 1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 139 | 141 | 145 | 147 | 151 | 153 |
| # | 4 | 1 | 2 | 3 | 24 | 2 |
| Indiv. ID | "CO\_149\_2\_03-09-21\_B" "CO\_370\_1\_01-09-21\_C" "LUX\_164\_2\_30-07-21\_B"  "LUX\_82\_1\_23-07-21\_B" | CO\_291\_1\_19-09-21\_A | "CO\_282\_1\_02-10-21\_D" "LUX\_185\_1\_26-06-21\_A" | "CO\_180\_1\_22-09-21\_A" "CO\_341\_1\_05-08-21" "LUX\_97\_1\_22-07-21\_B" |  | "CO\_165\_1\_04-09-21\_C" "CO\_213\_1\_14-07-21\_A" |

**MF103 (MOTIF: 2; AC)**

|  |  |  |
| --- | --- | --- |
| Fragment length | 150 | 152 |
| # | 20 | 2 |
| Indiv. ID |  | "CO\_63\_1\_22-09-21\_B" "LUX\_172\_1\_03-08-21\_A" |

**MF26 (MOTIF: 2; AC)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 130 | 132 | 134 | 138 | 146 |
| # | 17 | 59 | 6 | 1748 | 41 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 129 | 139 | 141 | 143 | 147 |
| # | 2 | 1 | 7 | 7 | 64 |
| Indiv. ID | "CO\_165\_1\_04-09-21\_B" "CO\_213\_1\_14-07-21\_B" | LUX\_82\_1\_23-07-21\_C | "CO\_237\_1\_21-09-21\_A" "CO\_378\_1\_07-08-21" "CO\_390\_1\_02-09-21\_E"  "CO\_5\_1\_14-08-21" "LUX\_155\_1\_03-09-21\_C" "LUX\_166\_2\_29-07-21\_A"  "SW\_56\_2\_02-08-21\_A" | "CO\_231\_1\_18-10-21" "CO\_37\_1\_08-10-21\_B" "CO\_394\_1\_04-08-21"  "LUX\_121\_1\_02-08-21\_A" "LUX\_162\_1\_30-08-21\_A" "LUX\_200\_1\_19-08-21\_A"  "SW\_164\_2\_04-08-21\_A" |  |

**MF261 (MOTIF: 6; ACTGCG) if 2**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | **205** | 209 | **211** | 215 | **217** | 221 | 222 | **223** | 227 |
| # | **1** | 8 | **60** | 14 | **503** | 32 | 5 | **144** | 36 |
| Fragment length | **229** | 233 | 234 | **235** | 238 | 239 | **241** | 245 | **247** |
| # | **375** | 17 | 10 | **561** | 1 | 3 | **104** | 1 | **14** |
| Fragment length | **253** |  |  |  |  |  |  |  |  |
| # | **3** |  |  |  |  |  |  |  |  |

**MF263 (MOTIF: 2; AC)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 90 | 92 | 94 | 96 | 98 | 100 | 102 | 104 | 106 | 108 | 112 |
| # | 27 | 257 | 1088 | 338 | 38 | 34 | 11 | 20 | 6 | 21 | 1 |

|  |  |  |
| --- | --- | --- |
| Fragment length | 87 | 97 |
| # | 8 | 11 |
| Indiv. ID | "CO\_129\_1\_20-09-21\_E" "CO\_168\_1\_04-09-21\_E" "CO\_289\_1\_19-09-21"  "CO\_327\_1\_09-06-21" "CO\_60\_1\_31-07-21" "LUX\_200\_1\_03-06-21\_A"  "LUX\_82\_2\_04-09-21\_B" | "CO\_14\_2\_05-08-21\_C" "CO\_144\_1\_19-09-21\_C" "CO\_148\_1\_03-09-21\_C"  "CO\_149\_1\_03-09-21\_B" "CO\_228\_1\_28-08-21" "CO\_303\_1\_02-09-21\_A"  "CO\_341\_1\_05-08-21" "CO\_348\_3\_11-06-21\_B" "CO\_387\_1\_01-09-21\_A"  "CO\_390\_2\_02-09-21" "CO\_400\_1\_07-10-21" |

**MF269 (MOTIF: 3; AAC)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 210 | 219 | 234 | 237 | 240 | 243 | **245** |
| # | 9 | 2 | 10 | 170 | 1636 | 33 | **18** |

**MF28 (MOTIF: 2; AC)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 76 | 77 | 81 | 82 | 83 | 84 | 85 | 87 | 88 | 90 | 91 | 92 | 96 | 98 |
| # | 12 | 4 | 39 | 53 | 31 | 29 | 483 | 20 | 14 | 453 | 6 | 707 | 22 | 1 |

**MF323 (MOTIF: 3; ACG)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 170 | 173 | 176 | 182 | 185 | 188 |
| # | 5 | 49 | 989 | 49 | 2 | 6 |

|  |  |  |  |
| --- | --- | --- | --- |
| Fragment length | 166 | 175 | 178 |
| # | 2 | 1 | 785 |
| Indiv. ID | "CO\_170\_1\_03-09-21\_D" "CO\_189\_1\_04-09-21\_A" | "SW\_129\_4\_28-07-21\_A" | 179? |

**MF457 (MOTIF: 2; AG)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 163 | 165 | 167 | 169 | 171 | 173 | 177 | 179 | 181 | 183 | 187 |
| # | 32 | 40 | 41 | 1007 | 400 | 64 | 51 | 12 | 4 | 1 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| Fragment length | 170 | 176 | 192 |
| # | 1 | 119 | 1 |
| Indiv. ID | "CO\_170\_1\_03-09-21\_E" | 175? | 191?193?  "SW\_18\_3\_01-08-21\_D" |

**MF491 (MOTIF: 3; ACC)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Fragment length | 205 | 208 | 211 | 214 | 217 | 220 |
| # | 1 | 1364 | 175 | 233 | 45 | 61 |

|  |  |  |
| --- | --- | --- |
| Fragment length | 200 | 225 |
| # | 2 | 1 |
| Indiv. ID | "LUX\_173\_1\_02-09-21\_A" | "CO\_35\_1\_14-08-21\_A" |

**MF70 (MOTIF: 2; AC)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fragment length | 160 | 166 | 168 | 170 | 172 |
| # | 2 | 2 | 94 | 37 | 1607 |

|  |  |
| --- | --- |
| Fragment length | 169 |
| # | 4 |
| Indiv. ID | "CO\_143\_1\_01-08-21\_B" "CO\_146\_1\_04-09-21\_A" "CO\_266\_1\_26-07-21\_A"  "LUX\_200\_1\_19-08-21\_A" |