A.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pilot screen 75C |  | Large 75C |  | 56D screen |  |
| Isolation # | Sequence | Isolation # | Sequence | Isolation # | sequence |
| 38 | K134X | 122M |  | 9 | Q1673X |
| 127 | L1658N | 142K | L825X | 31 |  |
| 166 |  P119811 bp | 231K |  | 56 |  |
|  |  | 260K | S1590S | 178 | V1334D |
|  |  | 310A |  | 273 | V1286D |
|  |  | 430L | W1401X | 310 | Q678X |
|  |  | 432L | Q1297X | 384 |  |
|  |  | 451K | K1034X | 396 | K1363X |
|  |  | 520G |  | 407 | L714X |
|  |  | 540C |  | 482 |  |
|  |  | 550A |  | 765 |  |
|  |  | 610A | G1646E |  |  |
|  |  | 623E | Y636X |  |  |
|  |  | 760A |  |  |  |
|  |  | 781A |  |  |  |
|  |  | 805A |  |  |  |
|  |  | 810B | Y888X |  |  |

B.

|  |  |  |
| --- | --- | --- |
| Allele | Viability with (%) | Viability with (%) |
| 38 | 805A | 127 |
| ATG AAG CAGATG **T**AG CAG | 24 | 75 |
|  |  |  |
| 623A |  |  |
| CCC TAT CTCCCC TA**A** CTC | 43 | 0 |
|  |  |  |
| 310 |  |  |
| CCT CAG CCGCCT **T**AG CCG | 0.3 | 0.4 |
|  |  |  |
| 432L |  |  |
| CTT CAG CGTCTT **T**AG CGT | 37 | 1 |
|  |  |  |
| 430L |  |  |
| TTC TGG CTATTC T**A**G CTA | 1 | 2 |
|  |  |  |
| 9 |  |  |
| TAC CAG CGCTAC **T**AG CGC | 24 | 55 |
|  |  |  |
| 810A |  |  |
| CGC TAT GAACGC TA**A** GAA | 0 | 0 |