

Adh1

	Haplotypes	Frequency
1	000100	8
2	001010	7
3	000001	6
4	110100	3
5	000000	1

Adh2

	Haplotypes	Frequency
1	10001000000000	9
2	10100000011100	3
3	01000111100000	2
4	00010111100000	2
5	00001000000000	2
6	00000111100011	2
7	00000111100000	2
8	00000000000000	2
9	00000010100011	1

Adh3

	Haplotypes	Frequency
1	11111100111111011011111111011111111111100011101011111011111111111111111111111110	3
2	0000001000	3
3	11111100111111011111111111011111111111100011101011111010111111111111111111111101	2
4	00000011000000000000000000100000000000001000001000001000000000000000000000000000	2
5	0000001100	2
6	0000001000	2
7	00	2
8	111111001111111101111111110111111111111000111110110000101111111111111111111111101	1
9	111111001111111101111111110111111111111000111110110000101111111111111111111111100	1
10	1111110011111101111111111101111111111110011101011111010111111111111111111111100	1
11	11111100111111011011111111011111111111110011101011111010111111111111111111111101	1
12	11111100111111011011111111011111111111100011101011111010111111111111111111111101	1
13	11111100111111011011111111011111111111100011101011111010111111111111111111111100	1
14	11111100111111011011111111011111111111100011101011000010111111111111111111111101	1
15	0000001100	1
16	0000001001	1

α-amy1

	Haplotypes	Frequency
1	000	22
2	111	2
3	100	1

Cbf3

	Haplotypes	Frequency
1	0000000000000000001000000	10
2	0100000001011010000100000	4
3	1010000000000100000001110	2
4	0001000001000011110010001	2
5	0000011110001010000100000	2
6	101000000000000000001110	1
7	100010000010000000000100	1
8	0100000000000010000100000	1
9	000010000010000000000100	1
10	0000011110001110000100010	1
11	0000011110001010000100-00	1

Dhn1

	Haplotypes	Frequency
1	0001110101000110000000001000010000100000000000000000000	5
2	0000000000011000000110010001000100000000001100000001101	3
3	101000001---0000001000001000110000010000010001010000000	2
4	000001000010000001000000010001001000010100000001010010	2
5	0000001000100000100000000000000000001100011100000000--	2
6	-----	2
7	110110000000000000100100100011000000000000001000000000	1
8	1010000010000101000000100000001010001001001000000100100	1
9	1010000000010000000110010001000000000000001000000001100	1
10	101000000---0100000000000000001000001000001000100100000	1
11	0101100010000101000000100000001010001001001000000100100	1
12	000001000000000000100000100011010000000000001000000000	1
13	0000000000100000000-----0000000--0100100001000100000000	1
14	000000000000010000000000000000000000---0010000000000000	1
15	00000000000001000-----10000000000010000000000000000000	1

Dhn4

	Haplotypes	Frequency
1	0000011111111111011111101100	7
2	00000000000000000000000010000	4
3	10000000000000000010000000001	3
4	00000000000000000000000000010	3
5	111100000000000000000000010000	2
6	111100000001000000000000010000	1
7	100010000000000000000000010000	1
8	100000000100000000000000010000	1
9	0111011111111111011111101110	1
10	000010000000000000000000010000	1
11	----0000000000000000000001000-	1

Dhn5

	Haplotypes	Frequency
1	000111111100100010000000011	4
2	00100000000100000000000000	3
3	10100000000100000000000000	2
4	010000000001000101001111100	2
5	-----110000011	2
6	100111111100100010000000011	1
7	100110011100100010000001001	1
8	10000000001001100000000000	1
9	100000000001000101001111100	1
10	100000000001000101001111011	1
11	001000000001000101001111100	1
12	000111100100000100000000011	1
13	000000000010011000000000100	1
14	00000000001001000000000000	1
15	00000000001001100000000000	1
16	00000000000100010000000000	1
17	000000000000000001000000010	1

Dhn7

	Haplotypes	Frequency
1	0000011000110000--01011111110111110000010000000000	5
2	100000001000	3
3	0100000010000000000000000000000000000000110001000000000	3
4	0011000011001111011000000000000000000000000011110011	3
5	0000000010000000010001111110111000001000000000000	2
6	00000000000000001000100000001000011110011000001000	2
7	0111100100000000--0000000010000000000000011110100	1
8	0101100100000010--00000010110000000000000000000000	1
9	00110000110011110110000000000000000000000000000000	1
10	00110000100	1
11	0011000000010010--010110111100110000000000111110011	1
12	00010110000100000001011111101110000000000000000000	1
13	0000011000110000--01011100000000011010100100000100	1
14	00000110000100000001011100000000000000000000000001	1
15	0000011000010000--0101111111011111000001000000000000	1

Dhn9

	Haplotypes	Frequency
1	000000000	9
2	111011000	8
3	110000000	3
4	000100011	2
5	000000100	2
6	110000100	1

ORF1

	Haplotypes	Frequency
1	00010000000000000000	4
2	0000000100011101100001	4
3	00000000000000010000100	4
4	0000111011111101000001	3
5	0000000000000000000000	3
6	0100000000000000000000	2
7	0000111011111101011011	2
8	0000000000011101000001	2
9	1110000000000010000100	1
10	1110000000000000000000	1
11	0000000000000000000100	1

Pepc (combined)

	Haplotypes	Frequency
1	0001	11
2	0100	9
3	0000	3
4	1011	2

Stk

	Haplotypes	Frequency
1	0010000000100010-0100	6
2	000000100000000001000	4
3	010010000101010100001	3
4	00110100000000000000	3
5	010000011000001000000	2
6	000000000000101010010	2
7	100000011000001000000	1
8	1000000000100010-0100	1
9	001000000101010100001	1
10	000000000100010100001	1
11	0000000000000001000000	1
12	000000000000000000000	1

Vrn1

	Haplotypes	Frequency
1	0000100000	6
2	-----	6
3	1010000001	2
4	1000001011	2
5	0100010110	2
6	0100000100	2
7	1101000110	1
8	1101000010	1
9	1000000001	1
10	0100100010	1
11	0100010100	1

Waxy

	Haplotypes	Frequency
1	00100001001111001000001000	3
2	1100000000111100001100000	2
3	1010001001111000101110000	2
4	1010000000000010011100111	2
5	1000110000010000000000110	2
6	0000000000000001000010110	2
7	1000110000111000000000000	1
8	1000000000111001000001000	1
9	1000000000000001000010110	1
10	1000000000000000001100110	1
11	1000000000000000000000110	1
12	0010000000111001000001000	1
13	0001000010000000001100110	1
14	0001000010000000000000000	1
15	0000110001111001101110110	1
16	00000000000000100101100000	1
17	0000000000000001000010000	1
18	0000000000000001000000110	1
19	000000000000000001100110	1
20	000000000000000001100000	1