

| Lot             | Tag       | Sire     | ASBV's     |             |             |            | Phenotypic Values |       |    | Indexes    |            |                | Lot |
|-----------------|-----------|----------|------------|-------------|-------------|------------|-------------------|-------|----|------------|------------|----------------|-----|
|                 |           |          | YWT        | YFD         | YCFW        | PWEC       | FDD               | CFW % | CV | FP+        | MP+        | Nerstane Index |     |
| <b>Averages</b> |           |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> |                   |       |    | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 1               | 150141(P) | DES 26   | 2.2        | -1.9        | 15          | -10        |                   |       |    | 147        | 150        | 141            | 1   |
| 2               | 150114(P) | PB130020 | 3.0        | -1.2        | 23          | 12         |                   |       |    | 144        | 153        | 142            | 2   |
| 3               | 150115(P) | PB130020 | 5.4        | -1.0        | 24          | -8         |                   |       |    | 144        | 158        | 145            | 3   |
| 4               | 150149(P) | DES 26   | 4.4        | -1.2        | 24          | -8         |                   |       |    | 147        | 160        | 148            | 4   |
| 5               | 150136(P) | DES 26   | 2.8        | -1.9        | 12          | -1         |                   |       |    | 145        | 148        | 139            | 5   |
| 6               | 150143(P) | DES 26   | 3.8        | -1.3        | 12          | 0          |                   |       |    | 138        | 142        | 134            | 6   |

| Lot             | Tag    | Sire     | ASBV's     |             |             |            | Phenotypic Values |            |             | Indexes    |            |                | Lot |
|-----------------|--------|----------|------------|-------------|-------------|------------|-------------------|------------|-------------|------------|------------|----------------|-----|
|                 |        |          | YWT        | YFD         | YCFW        | PWEC       | FDD               | CFW %      | CV          | FP+        | MP+        | Nerstane Index |     |
| <b>Averages</b> |        |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b>       | <b>100</b> | <b>18.3</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 7               | 150206 | EM130004 | 4.8        | -1.3        | 26          | 16         | 0.4               | 122        | 18.2        | 148        | 163        | 148            | 7   |
| 8               | 150228 | EM130004 | 4.9        | -1.3        | 29          | -10        | 0.5               | 121        | 18.5        | 156        | 170        | 158            | 8   |
| 9               | 150368 | 100958   | 8.3        | -1.7        | 19          | 21         | -0.1              | 113        | 16.4        | 158        | 175        | 156            | 9   |
| 10              | 150364 | 100958   | 8.2        | -1.0        | 22          | 10         | 0.8               | 101        | 20.0        | 149        | 167        | 153            | 10  |
| 11              | 150092 | ES120239 | 1.6        | -1.7        | 26          | -8         | 0.0               | 118        | 22.1        | 151        | 163        | 151            | 11  |
| 12              | 150159 | 120231   | 1.8        | -1.6        | 20          | -17        | 0.8               | 125        | 19.3        | 142        | 146        | 140            | 12  |

|    |           |        |     |      |    |     |      |     |      |     |     |     |    |
|----|-----------|--------|-----|------|----|-----|------|-----|------|-----|-----|-----|----|
| 13 | 150021    | 120231 | 2.4 | -1.9 | 19 | -28 | 0.7  | 129 | 18.1 | 145 | 145 | 140 | 13 |
| 14 | 150357    | 100958 | 4.4 | -1.7 | 24 | -28 | -0.1 | 113 | 19.3 | 159 | 169 | 160 | 14 |
| 15 | 150471    | 100919 | 4.8 | -1.8 | 19 | 23  | -1.0 | 104 | 16.9 | 153 | 161 | 148 | 15 |
| 16 | 150140(P) | DES 26 | 0.8 | -0.7 | 26 | -29 | 2.1  | 135 | 22.0 | 144 | 152 | 147 | 16 |
| 17 | 150447    | 130158 | 3.6 | -2.0 | 26 | 18  | -0.3 | 134 | 18.8 | 156 | 166 | 152 | 17 |
| 18 | 150466    | 110013 | 1.9 | -1.2 | 29 | -7  | 0.9  | 125 | 16.7 | 150 | 157 | 149 | 18 |

|  |               |  |  |  |  |                          |  |  |                |  |  |  |
|--|---------------|--|--|--|--|--------------------------|--|--|----------------|--|--|--|
|  | <b>ASBV's</b> |  |  |  |  | <b>Phenotypic Values</b> |  |  | <b>Indexes</b> |  |  |  |
|--|---------------|--|--|--|--|--------------------------|--|--|----------------|--|--|--|

| Lot             | Tag       | Sire     | YWT        | YFD         | YCFW        | PWEC       | FDD         | CFW %      | CV          | FP+        | MP+        | Nerstane Index | Lot |
|-----------------|-----------|----------|------------|-------------|-------------|------------|-------------|------------|-------------|------------|------------|----------------|-----|
| <b>Averages</b> |           |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b> | <b>100</b> | <b>18.6</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 19              | 150013    | 070060   | 3.5        | -1.1        | 17          | -3         | 1.4         | 113        | 17.9        | 144        | 152        | 144            | 19  |
| 20              | 150214    | EM130004 | 5.1        | -1.1        | 19          | 4          | 0.4         | 105        | 19.2        | 138        | 147        | 137            | 20  |
| 21              | 150361    | 100958   | 7.7        | -1.3        | 20          | -15        | 0.2         | 99         | 17.9        | 150        | 163        | 152            | 21  |
| 22              | 150571    | STUD 15  | 2.0        | -1.3        | 19          | 4          | 0.6         | 120        | 17.6        | 145        | 151        | 142            | 22  |
| 23              | 150577    | STUD 15  | 1.8        | -2.1        | 19          | 39         | -0.8        | 114        | 18.3        | 151        | 160        | 143            | 23  |
| 24              | 150251    | 100207   | 4.4        | -2.0        | 17          | 10         | -0.8        | 95         | 20.6        | 148        | 158        | 144            | 24  |
| 25              | 150054    | GP-HAZZA | 2.4        | -2.6        | 16          | 24         | -1.3        | 119        | 18.6        | 155        | 158        | 143            | 25  |
| 26              | 150156(P) | DES 26   | 3.6        | -1.1        | 17          | -3         | 0.9         | 117        | 17.0        | 145        | 154        | 144            | 26  |
| 27              | 150205    | EM130004 | 7.6        | -1.5        | 18          | 21         | 0.1         | 100        | 17.9        | 142        | 155        | 139            | 27  |

|    |           |         |      |      |    |     |      |     |      |     |     |     |    |
|----|-----------|---------|------|------|----|-----|------|-----|------|-----|-----|-----|----|
| 28 | 150685    | STUD 15 | 2.4  | -2.5 | 17 | 15  | -1.5 | 111 | 20.5 | 151 | 156 | 142 | 28 |
| 29 | 150306    | 120191  | 3.8  | -2.3 | 23 | 2   | -1.4 | 106 | 20.1 | 150 | 155 | 142 | 29 |
| 30 | 150320(P) | 120191  | 2.2  | -2.0 | 24 | -14 | -0.9 | 128 | 21.1 | 147 | 152 | 141 | 30 |
| 31 | 150018    | 120231  | -0.8 | -2.5 | 18 | -15 | -1.0 | 103 | 19.6 | 150 | 150 | 142 | 31 |
| 32 | 150097(P) | B130653 | 5.4  | -0.3 | 20 | -16 | 2.4  | 122 | 18.6 | 135 | 146 | 140 | 32 |
| 33 | 150367    | 100958  | 5.2  | -2.1 | 19 | -22 | -0.9 | 96  | 19.2 | 158 | 165 | 155 | 33 |

**ASBV's**

**Phenotypic Values**

**Indexes**

| Lot             | Tag       | Sire     | YWT        | YFD         | YCFW        | PWEC       | FDD         | CFW %      | CV          | FP+        | MP+        | Nerstane Index | Lot |
|-----------------|-----------|----------|------------|-------------|-------------|------------|-------------|------------|-------------|------------|------------|----------------|-----|
| <b>Averages</b> |           |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b> | <b>100</b> | <b>18.6</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 34              | 150151(P) | DES 26   | 6.4        | -1.0        | 20          | -8         | 1.0         | 110        | 19.9        | 143        | 158        | 146            | 34  |
| 35              | 150227    | EM130004 | 5.7        | -1.4        | 24          | 17         | -0.2        | 102        | 20.7        | 147        | 160        | 145            | 35  |
| 36              | 150453    | 130158   | 6.4        | -1.2        | 19          | 7          | 0.8         | 120        | 16.6        | 144        | 155        | 143            | 36  |
| 37              | 150575    | STUD 15  | 4.3        | -2.5        | 18          | 15         | -1.5        | 115        | 21.2        | 153        | 162        | 145            | 37  |
| 38              | 150152(P) | DES 26   | -0.1       | -1.7        | 23          | 7          | 0.2         | 123        | 22.6        | 142        | 150        | 138            | 38  |
| 39              | 150112(P) | PB130020 | 5.3        | -1.5        | 25          | 33         | 0.8         | 119        | 19.3        | 155        | 172        | 153            | 39  |
| 40              | 150146(P) | DES 26   | 5.1        | 0.5         | 22          | 24         | 3.8         | 84         | 20.5        | 134        | 153        | 142            | 40  |
| 41              | 150435    | 120026   | 1.5        | -1.9        | 15          | 28         | -0.9        | 100        | 18.7        | 143        | 148        | 136            | 41  |
| 42              | 150664    | STUD 15  | 1.8        | -1.1        | 17          | 15         | 0.7         | 103        | 18.8        | 137        | 145        | 135            | 42  |

|    |        |           |     |      |    |     |      |     |      |     |     |     |    |
|----|--------|-----------|-----|------|----|-----|------|-----|------|-----|-----|-----|----|
| 43 | 150376 | 100958    | 6.2 | -2.4 | 17 | 20  | -1.4 | 103 | 18.1 | 160 | 173 | 154 | 43 |
| 44 | 150670 | STUD 15   | 3.1 | -2.7 | 16 | 46  | -1.9 | 115 | 18.4 | 152 | 162 | 141 | 44 |
| 45 | 150654 | STUD 15   | 4.2 | -1.7 | 22 | -6  | 0.0  | 126 | 16.5 | 156 | 166 | 154 | 45 |
| 46 | 150450 | 130158    | 6.8 | -1.4 | 21 | 44  | 0.6  | 110 | 17.5 | 145 | 160 | 142 | 46 |
| 47 | 150351 | 120191(P) | 3.6 | -1.0 | 29 | -37 | 0.9  | 132 | 18.9 | 143 | 148 | 143 | 47 |
| 48 | 150365 | 100958    | 8.9 | -1.5 | 18 | -19 | 0.7  | 88  | 17.6 | 158 | 172 | 159 | 48 |

**ASBV's**

**Phenotypic Values**

**Indexes**

| Lot             | Tag       | Sire     | YWT        | YFD         | YCFW        | PWEC       | FDD         | CFW %      | CV          | FP+        | MP+        | Nerstane Index | Lot |
|-----------------|-----------|----------|------------|-------------|-------------|------------|-------------|------------|-------------|------------|------------|----------------|-----|
| <b>Averages</b> |           |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b> | <b>100</b> | <b>18.6</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 49              | 150675    | STUD 15  | 2.0        | -2.1        | 16          | 35         | -0.9        | 102        | 20.3        | 145        | 153        | 137            | 49  |
| 50              | 150303(P) | 120191   | 6.8        | -0.9        | 25          | -6         | 0.8         | 118        | 17.8        | 142        | 151        | 141            | 50  |
| 51              | 150439    | 120026   | 3.1        | -1.2        | 20          | -19        | 0.6         | 105        | 23.5        | 132        | 140        | 134            | 51  |
| 52              | 150234    | EM130004 | 4.6        | -1.1        | 26          | 24         | 1.1         | 111        | 17.1        | 153        | 168        | 154            | 52  |
| 53              | 150209    | EM130004 | 5.7        | -1.3        | 29          | 4          | 0.2         | 109        | 17.6        | 158        | 176        | 161            | 53  |
| 54              | 150081    | ES120239 | 0.4        | -1.4        | 18          | 4          | 0.6         | 119        | 18.3        | 141        | 145        | 137            | 54  |
| 55              | 150434    | 120026   | 1.5        | -2.7        | 17          | -11        | -1.4        | 108        | 18.9        | 152        | 153        | 143            | 55  |
| 56              | 150163    | 120231   | 1.4        | -1.9        | 21          | 42         | 0.5         | 123        | 19.5        | 144        | 154        | 138            | 56  |

|    |        |          |     |      |    |     |      |     |      |     |     |     |    |
|----|--------|----------|-----|------|----|-----|------|-----|------|-----|-----|-----|----|
| 57 | 150005 | 120231   | 2.9 | -0.8 | 18 | 21  | 2.3  | 103 | 18.1 | 136 | 144 | 135 | 57 |
| 58 | 150199 | 120231   | 0.6 | -1.8 | 7  | -26 | 0.4  | 113 | 17.6 | 134 | 129 | 125 | 58 |
| 59 | 150271 | 130467   | 1.7 | -1.5 | 15 | 5   | 0.4  | 102 | 19.5 | 132 | 132 | 127 | 59 |
| 60 | 150007 | ES120239 | 2.5 | -2.0 | 18 | -14 | -0.5 | 108 | 20.4 | 150 | 154 | 145 | 60 |
| 61 | 150533 | STUD 15  | 2.7 | -1.3 | 18 | 26  | 0.5  | 109 | 19.2 | 141 | 149 | 137 | 61 |
| 62 | 150082 | ES120239 | 2.6 | -2.1 | 19 | 19  | -0.3 | 103 | 22.7 | 149 | 160 | 143 | 62 |
| 63 | 150436 | 120026   | 2.2 | -1.7 | 12 | 0   | 0.2  | 100 | 16.5 | 140 | 141 | 133 | 63 |

**ASBV's**

**Phenotypic Values**

**Indexes**

| Lot             | Tag    | Sire     | YWT        | YFD         | YCFW        | PWEC       | FDD         | CFW %      | CV          | FP+        | MP+        | Nerstane Index | Lot |
|-----------------|--------|----------|------------|-------------|-------------|------------|-------------|------------|-------------|------------|------------|----------------|-----|
| <b>Averages</b> |        |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b> | <b>100</b> | <b>18.6</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 64              | 150051 | OC TITAN | 10.4       | 0.9         | 26          | -14        | 3.8         | 123        | 17.7        | 135        | 154        | 148            | 64  |
| 65              | 150242 | EM130004 | 7.9        | -1.4        | 23          | -27        | 0.3         | 103        | 16.5        | 159        | 172        | 161            | 65  |
| 66              | 150517 | STUD 15  | 1.1        | -2.2        | 15          | 21         | -1.1        | 110        | 17.6        | 150        | 153        | 140            | 66  |
| 67              | 150319 | 120191   | 3.4        | -1.3        | 21          | -30        | 0.1         | 97         | 22.2        | 140        | 143        | 138            | 67  |
| 68              | 150074 | ES120239 | 3.2        | -1.8        | 19          | 2          | 0.0         | 108        | 17.2        | 147        | 156        | 144            | 68  |
| 69              | 150461 | 130158   | 3.8        | -1.0        | 21          | -8         | 0.9         | 110        | 17.8        | 143        | 151        | 143            | 69  |
| 70              | 150189 | 120231   | -0.2       | -1.8        | 13          | -17        | 0.4         | 104        | 17.4        | 139        | 136        | 133            | 70  |

|    |           |          |     |      |    |     |      |     |      |     |     |     |    |
|----|-----------|----------|-----|------|----|-----|------|-----|------|-----|-----|-----|----|
| 71 | 150265    | 130467   | 2.5 | -0.9 | 23 | 22  | 1.7  | 116 | 19.8 | 135 | 147 | 137 | 71 |
| 72 | 150168    | 120231   | 0.5 | -2.4 | 17 | -25 | -0.8 | 119 | 21.6 | 146 | 143 | 137 | 72 |
| 73 | 150430    | 120026   | 2.3 | -1.8 | 19 | 29  | 0.2  | 108 | 17.2 | 141 | 150 | 136 | 73 |
| 74 | 150273    | 130467   | 4.4 | -2.6 | 14 | 19  | -1.3 | 102 | 19.9 | 150 | 155 | 139 | 74 |
| 75 | 150363    | 100958   | 8.8 | -1.3 | 26 | 11  | 0.1  | 105 | 18.5 | 158 | 180 | 161 | 75 |
| 76 | 150516    | STUD 15  | 1.0 | -1.3 | 20 | -8  | 0.5  | 116 | 17.5 | 147 | 151 | 145 | 76 |
| 77 | 150371    | 100958   | 5.2 | -1.9 | 20 | -7  | -0.8 | 106 | 19.4 | 157 | 165 | 153 | 77 |
| 78 | 150122(P) | PB130020 | 5.4 | -0.6 | 17 | -15 | 2.0  | 114 | 16.4 | 142 | 152 | 145 | 78 |

**ASBV's**

**Phenotypic Values**

**Indexes**

| Lot             | Tag       | Sire    | YWT        | YFD         | YCFW        | PWEC       | FDD         | CFW %      | CV          | FP+        | MP+        | Nerstane Index | Lot |
|-----------------|-----------|---------|------------|-------------|-------------|------------|-------------|------------|-------------|------------|------------|----------------|-----|
| <b>Averages</b> |           |         | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b> | <b>100</b> | <b>18.6</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 79              | 150148(P) | DES 26  | 6.1        | -1.5        | 23          | -16        | 0.9         | 126        | 20.7        | 147        | 160        | 147            | 79  |
| 80              | 150098    | B130653 | 4.2        | -1.1        | 19          | -14        | 0.7         | 113        | 18.3        | 142        | 147        | 140            | 80  |
| 81              | 150197    | 120231  | -0.4       | -2.8        | 14          | -29        | -1.6        | 110        | 19.9        | 147        | 142        | 136            | 81  |
| 82              | 150389    | 130021  | 2.3        | -2.6        | 19          | 14         | -1.3        | 110        | 14.7        | 158        | 161        | 147            | 82  |
| 83              | 150412    | 130172  | 3.2        | -0.8        | 19          | -25        | 1.6         | 98         | 17.3        | 141        | 146        | 143            | 83  |
| 84              | 150345    | 140050  | 4.4        | -1.7        | 13          | 21         | -0.1        | 101        | 15.2        | 147        | 149        | 139            | 84  |

|    |        |         |      |      |    |     |      |     |      |     |     |     |    |
|----|--------|---------|------|------|----|-----|------|-----|------|-----|-----|-----|----|
| 85 | 150167 | 120231  | -0.5 | -2.2 | 10 | -20 | -0.4 | 99  | 17.8 | 141 | 135 | 130 | 85 |
| 86 | 150549 | STUD 15 | 2.7  | -2.0 | 15 | -26 | -0.8 | 102 | 18.6 | 151 | 153 | 146 | 86 |
| 87 | 150602 | 130252  | 0.2  | -1.7 | 20 | -12 | -0.8 | 90  | 19.6 | 143 | 146 | 139 | 87 |
| 88 | 150619 | 130075  | -1.7 | -2.5 | 14 | -25 | -1.7 | 105 | 19.8 | 146 | 143 | 137 | 88 |
| 89 | 150019 | 070060  | 0.4  | -1.6 | 17 | 21  | 0.1  | 111 | 20.1 | 141 | 146 | 136 | 89 |
| 90 | 150455 | 130158  | 3.8  | -1.6 | 16 | -17 | 0.2  | 97  | 17.5 | 145 | 148 | 141 | 90 |
| 91 | 150441 | 120026  | 1.8  | -0.9 | 14 | 18  | 1.3  | 103 | 17.4 | 132 | 136 | 130 | 91 |
| 92 | 150102 | B130653 | 3.5  | -0.9 | 16 | -32 | 0.8  | 96  | 18.2 | 136 | 140 | 137 | 92 |
| 93 | 150409 | 130172  | -0.8 | -1.9 | 20 | 1   | 0.0  | 110 | 18.9 | 150 | 156 | 147 | 93 |

|                 |        |          | <i>ASBV's</i> |             |             |            | <i>Phenotypic Values</i> |            |             | <i>Indexes</i> |            |                |     |
|-----------------|--------|----------|---------------|-------------|-------------|------------|--------------------------|------------|-------------|----------------|------------|----------------|-----|
| Lot             | Tag    | Sire     | YWT           | YFD         | YCFW        | PWEC       | FDD                      | CFW %      | CV          | FP+            | MP+        | Nerstane Index | Lot |
| <b>Averages</b> |        |          | <b>4.3</b>    | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b>              | <b>100</b> | <b>18.6</b> | <b>132</b>     | <b>137</b> | <b>139</b>     |     |
| 94              | 150595 | 130252   | 4.8           | -1.1        | 24          | 30         | 1.3                      | 97         | 17.9        | 148            | 165        | 149            | 94  |
| 95              | 150243 | EM130004 | 5.8           | -1.5        | 25          | 31         | -0.4                     | 108        | 19.0        | 147            | 164        | 145            | 95  |
| 96              | 150592 | 130252   | 3.6           | -1.5        | 16          | 8          | 0.5                      | 105        | 16.1        | 150            | 156        | 146            | 96  |
| 97              | 150490 | 130172   | 3.3           | -1.7        | 18          | -5         | -0.3                     | 105        | 18.5        | 146            | 151        | 142            | 97  |
| 98              | 150003 | 100919   | 3.4           | -1.5        | 16          | 15         | 0.6                      | 111        | 14.6        | 145            | 148        | 140            | 98  |

|     |           |          |      |      |    |     |      |     |      |     |     |     |     |
|-----|-----------|----------|------|------|----|-----|------|-----|------|-----|-----|-----|-----|
| 99  | 150454    | 130158   | 0.9  | -2.2 | 10 | 20  | -1.5 | 104 | 19.9 | 138 | 141 | 128 | 99  |
| 100 | 150104    | B130653  | 7.1  | -0.9 | 22 | -17 | 1.2  | 106 | 16.5 | 152 | 164 | 154 | 100 |
| 101 | 150178    | 120231   | -0.2 | -2.1 | 21 | -2  | 0.3  | 115 | 19.7 | 151 | 154 | 144 | 101 |
| 102 | 150126    | 080318   | 2.7  | -1.0 | 15 | -6  | 1.4  | 105 | 18.7 | 137 | 142 | 136 | 102 |
| 103 | 150026    | 120231   | 2.2  | -2.5 | 13 | -1  | -0.9 | 104 | 18.2 | 143 | 141 | 131 | 103 |
| 104 | 150027    | GP-HAZZA | 3.0  | -2.6 | 18 | -14 | -0.5 | 97  | 21.6 | 159 | 164 | 150 | 104 |
| 105 | 150191    | 120231   | 3.4  | -2.3 | 11 | 21  | -0.3 | 93  | 20.2 | 142 | 145 | 131 | 105 |
| 106 | 150099(P) | B130653  | 4.3  | -0.1 | 17 | 3   | 3.2  | 103 | 17.5 | 128 | 137 | 131 | 106 |
| 107 | 150385    | 130021   | 2.5  | -1.6 | 17 | 10  | 0.0  | 100 | 17.6 | 141 | 145 | 135 | 107 |
| 108 | 150100(P) | B130653  | 5.9  | -1.6 | 19 | 0   | -0.1 | 116 | 17.5 | 148 | 158 | 146 | 108 |

**ASBV's**

**Phenotypic Values**

**Indexes**

| Lot             | Tag    | Sire     | YWT        | YFD         | YCFW        | PWEC       | FDD         | CFW %      | CV          | FP+        | MP+        | Nerstane Index | Lot |
|-----------------|--------|----------|------------|-------------|-------------|------------|-------------|------------|-------------|------------|------------|----------------|-----|
| <b>Averages</b> |        |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b> | <b>100</b> | <b>18.6</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 109             | 150449 | 130158   | 6.0        | -1.2        | 18          | 30         | 0.7         | 104        | 17.5        | 143        | 157        | 141            | 109 |
| 110             | 150085 | ES120239 | 1.5        | -0.6        | 19          | 2          | 2.3         | 115        | 15.9        | 139        | 147        | 141            | 110 |
| 111             | 150216 | EM130004 | 3.9        | -0.5        | 28          | -1         | 1.9         | 117        | 18.1        | 145        | 157        | 149            | 111 |
| 112             | 150489 | 100919   | 3.0        | -1.3        | 20          | 73         | 0.6         | 93         | 17.1        | 144        | 157        | 139            | 112 |



|     |           |          |     |      |    |     |      |     |      |     |     |     |     |
|-----|-----------|----------|-----|------|----|-----|------|-----|------|-----|-----|-----|-----|
| 113 | 150088    | ES120239 | 2.9 | -1.7 | 13 | 3   | 0.1  | 100 | 17.1 | 147 | 150 | 140 | 113 |
| 114 | 150426    | 120026   | 5.0 | -2.1 | 13 | 14  | -0.6 | 93  | 17.5 | 145 | 151 | 137 | 114 |
| 115 | 150254(P) | 100207   | 4.3 | -1.1 | 20 | 27  | 0.8  | 96  | 18.1 | 137 | 146 | 135 | 115 |
| 116 | 150694    | STUD 15  | 1.4 | -1.7 | 11 | -3  | -0.2 | 95  | 16.3 | 144 | 144 | 137 | 116 |
| 117 | 150431    | 120026   | 4.6 | -1.6 | 18 | 48  | 0.3  | 102 | 18.4 | 139 | 150 | 134 | 117 |
| 118 | 150381    | 130021   | 1.4 | -2.1 | 13 | 11  | -1.1 | 92  | 20.3 | 142 | 141 | 131 | 118 |
| 119 | 150269    | 130467   | 2.5 | -1.6 | 13 | 3   | 0.2  | 94  | 19.2 | 139 | 141 | 134 | 119 |
| 120 | 150608    | 130075   | 3.2 | -2.1 | 16 | -1  | -0.6 | 94  | 16.8 | 154 | 157 | 146 | 120 |
| 121 | 150387    | 130021   | 2.1 | -1.0 | 19 | -16 | 0.5  | 97  | 16.4 | 143 | 145 | 142 | 121 |
| 122 | 150225    | EM130004 | 3.2 | -0.9 | 29 | 6   | 0.8  | 112 | 21.7 | 141 | 151 | 142 | 122 |
| 123 | 150475    | 100919   | 3.4 | -1.2 | 26 | 27  | 0.8  | 102 | 18.6 | 147 | 158 | 145 | 123 |

|                 |            |             | <i>ASBV's</i> |             |             |             | <i>Phenotypic Values</i> |              |             | <i>Indexes</i> |            |                       |            |
|-----------------|------------|-------------|---------------|-------------|-------------|-------------|--------------------------|--------------|-------------|----------------|------------|-----------------------|------------|
| <b>Lot</b>      | <b>Tag</b> | <b>Sire</b> | <b>YWT</b>    | <b>YFD</b>  | <b>YCFW</b> | <b>PWEC</b> | <b>FDD</b>               | <b>CFW %</b> | <b>CV</b>   | <b>FP+</b>     | <b>MP+</b> | <b>Nerstane Index</b> | <b>Lot</b> |
| <b>Averages</b> |            |             | <b>4.3</b>    | <b>-1.3</b> | <b>12.3</b> | <b>-16</b>  | <b>16.6</b>              | <b>100</b>   | <b>18.6</b> | <b>132</b>     | <b>137</b> | <b>139</b>            |            |
| 124             | 150165     | 120231      | 2.4           | -1.4        | 11          | -56         | 1.5                      | 109          | 18.9        | 139            | 136        | 136                   | 124        |
| 125             | 150012     | L074073     | 0.7           | -1.7        | 6           | -19         | 1.1                      | 93           | 18.4        | 125            | 119        | 117                   | 125        |
| 126             | 150070     | GP-HAZZA    | 0.8           | -2.3        | 14          | -18         | -0.5                     | 107          | 20.1        | 148            | 146        | 139                   | 126        |

|     |           |          |      |      |    |     |      |     |      |     |     |     |     |
|-----|-----------|----------|------|------|----|-----|------|-----|------|-----|-----|-----|-----|
| 127 | 150442    | 120026   | 5.1  | -2.3 | 10 | 6   | -1.2 | 100 | 18.3 | 147 | 151 | 138 | 127 |
| 128 | 150084    | ES120239 | 3.6  | -2.0 | 15 | 19  | -0.3 | 104 | 17.0 | 145 | 151 | 139 | 128 |
| 129 | 150001    | 120231   | 1.3  | -2.2 | 13 | -27 | -0.1 | 106 | 17.0 | 145 | 141 | 137 | 129 |
| 130 | 150083    | ES120239 | 2.0  | -2.2 | 17 | 42  | -0.7 | 105 | 17.2 | 151 | 159 | 141 | 130 |
| 131 | 150421    | 130252   | 1.3  | -0.7 | 13 | -4  | 1.6  | 94  | 16.5 | 140 | 146 | 141 | 131 |
| 132 | 150369    | 100958   | 4.8  | -1.5 | 15 | -16 | 0.3  | 90  | 17.8 | 145 | 152 | 143 | 132 |
| 133 | 150540    | STUD 15  | 3.3  | -1.4 | 15 | 14  | 0.1  | 97  | 19.5 | 141 | 147 | 137 | 133 |
| 134 | 150185    | 120231   | 1.6  | -2.2 | 12 | -1  | 0.1  | 104 | 20.3 | 140 | 142 | 131 | 134 |
| 135 | 150195    | 120231   | -0.4 | -2.2 | 13 | -27 | -0.4 | 98  | 19.2 | 141 | 135 | 132 | 135 |
| 136 | 150095(P) | B130653  | 8.0  | 0.3  | 20 | -43 | 3.1  | 100 | 16.1 | 131 | 140 | 140 | 136 |
| 137 | 150212    | EM130004 | 2.5  | -1.4 | 18 | 28  | 0.4  | 97  | 17.4 | 144 | 154 | 141 | 137 |
| 138 | 150457    | 130158   | 5.6  | -2.4 | 14 | -4  | -0.8 | 98  | 19.9 | 152 | 158 | 145 | 138 |

|                 |            |             | <i>ASBV's</i> |             |             |             | <i>Phenotypic Values</i> |              |             | <i>Indexes</i> |            |                       |            |
|-----------------|------------|-------------|---------------|-------------|-------------|-------------|--------------------------|--------------|-------------|----------------|------------|-----------------------|------------|
| <b>Lot</b>      | <b>Tag</b> | <b>Sire</b> | <b>YWT</b>    | <b>YFD</b>  | <b>YCFW</b> | <b>PWEC</b> | <b>FDD</b>               | <b>CFW %</b> | <b>CV</b>   | <b>FP+</b>     | <b>MP+</b> | <b>Nerstane Index</b> | <b>Lot</b> |
| <b>Averages</b> |            |             | <b>4.3</b>    | <b>-1.3</b> | <b>12.3</b> | <b>-16</b>  | <b>16.6</b>              | <b>100</b>   | <b>18.6</b> | <b>132</b>     | <b>137</b> | <b>139</b>            |            |
| 139             | 150448     | 130158      | 6.3           | -1.4        | 19          | 29          | 0.3                      | 103          | 21.1        | 144            | 159        | 142                   | 139        |
| 140             | 150318     | 120191      | 3.5           | -1.9        | 18          | 4           | -0.9                     | 94           | 18.9        | 146            | 148        | 138                   | 140        |

|     |        |          |      |      |    |     |      |     |      |     |     |     |     |
|-----|--------|----------|------|------|----|-----|------|-----|------|-----|-----|-----|-----|
| 141 | 150175 | 120231   | -0.3 | -3.0 | 10 | -4  | -2.0 | 112 | 17.7 | 148 | 143 | 133 | 141 |
| 142 | 150241 | EM130004 | 5.8  | -1.8 | 23 | 7   | -0.6 | 97  | 21.7 | 154 | 168 | 152 | 142 |
| 143 | 150061 | GP-HAZZA | 1.8  | -3.2 | 12 | -27 | -2.2 | 96  | 22.6 | 155 | 153 | 142 | 143 |
| 144 | 150282 | 130467   | 2.8  | -1.9 | 18 | 24  | -0.6 | 100 | 16.7 | 145 | 150 | 139 | 144 |
| 145 | 150480 | 100919   | 4.8  | -0.4 | 28 | 9   | 2.2  | 114 | 16.6 | 149 | 164 | 155 | 145 |
| 146 | 150552 | STUD 15  | 1.6  | -2.1 | 13 | 10  | -1.0 | 100 | 17.9 | 147 | 150 | 138 | 146 |
| 147 | 150078 | ES120239 | 1.5  | -2.2 | 15 | -10 | -0.8 | 93  | 17.9 | 153 | 157 | 146 | 147 |
| 148 | 150290 | 130467   | 2.8  | -0.9 | 23 | 50  | 1.4  | 104 | 18.6 | 137 | 150 | 136 | 148 |
| 149 | 150491 | 130172   | 1.8  | -2.1 | 10 | -22 | -0.7 | 93  | 20.1 | 149 | 150 | 144 | 149 |
| 150 | 150611 | 130075   | 2.2  | -1.4 | 20 | -40 | 0.6  | 109 | 17.4 | 153 | 155 | 152 | 150 |
| 151 | 150304 | 120191   | 4.8  | -1.5 | 30 | -4  | -0.6 | 125 | 17.8 | 150 | 160 | 147 | 151 |
| 152 | 150275 | 130467   | 5.8  | -1.8 | 17 | -5  | -0.2 | 93  | 20.5 | 148 | 154 | 145 | 152 |
| 153 | 150286 | 130467   | 2.4  | -1.8 | 15 | 21  | -0.5 | 97  | 25.2 | 139 | 141 | 131 | 153 |

|                 |            |             | <i>ASBV's</i> |             |             |             | <i>Phenotypic Values</i> |              |             | <i>Indexes</i> |            |                       |            |
|-----------------|------------|-------------|---------------|-------------|-------------|-------------|--------------------------|--------------|-------------|----------------|------------|-----------------------|------------|
| <b>Lot</b>      | <b>Tag</b> | <b>Sire</b> | <b>YWT</b>    | <b>YFD</b>  | <b>YCFW</b> | <b>PWEC</b> | <b>FDD</b>               | <b>CFW %</b> | <b>CV</b>   | <b>FP+</b>     | <b>MP+</b> | <b>Nerstane Index</b> | <b>Lot</b> |
| <b>Averages</b> |            |             | <b>4.3</b>    | <b>-1.3</b> | <b>12.3</b> | <b>-16</b>  | <b>16.6</b>              | <b>100</b>   | <b>18.6</b> | <b>132</b>     | <b>137</b> | <b>139</b>            |            |
| 154             | 150202     | EM130004    | 6.2           | -0.5        | 27          | 47          | 1.9                      | 125          | 17.7        | 139            | 157        | 142                   | 154        |

|     |        |          |     |      |    |     |      |     |      |     |     |     |     |
|-----|--------|----------|-----|------|----|-----|------|-----|------|-----|-----|-----|-----|
| 155 | 150384 | 130021   | 2.1 | -1.2 | 20 | -15 | 0.4  | 84  | 18.1 | 144 | 147 | 142 | 155 |
| 156 | 150652 | STUD 15  | 3.1 | -1.9 | 15 | -10 | -0.5 | 98  | 20.6 | 147 | 153 | 142 | 156 |
| 157 | 150037 | OC TITAN | 8.5 | -0.2 | 14 | 17  | 1.6  | 90  | 18.9 | 134 | 149 | 136 | 157 |
| 158 | 150244 | EM130004 | 4.5 | -1.1 | 25 | 17  | 0.9  | 109 | 17.5 | 153 | 168 | 154 | 158 |
| 159 | 150215 | EM130004 | 4.7 | -1.7 | 28 | 18  | -0.2 | 112 | 23.5 | 153 | 170 | 152 | 159 |
| 160 | 150103 | B130653  | 8.5 | -0.8 | 24 | -32 | 1.0  | 107 | 18.0 | 141 | 150 | 143 | 160 |
| 161 | 150603 | 130252   | 4.3 | -1.4 | 15 | 16  | 0.5  | 103 | 18.1 | 143 | 150 | 139 | 161 |
| 162 | 150238 | EM130004 | 6.4 | -1.7 | 26 | 8   | -0.5 | 106 | 24.7 | 149 | 166 | 148 | 162 |

**ASBV's**

**Phenotypic Values**

**Indexes**

| Lot             | Tag    | Sire     | YWT        | YFD         | YCFW        | PWEC       | FDD         | CFW %      | CV          | FP+        | MP+        | Nerstane Index | Lot |
|-----------------|--------|----------|------------|-------------|-------------|------------|-------------|------------|-------------|------------|------------|----------------|-----|
| <b>Averages</b> |        |          | <b>4.3</b> | <b>-1.3</b> | <b>12.3</b> | <b>-16</b> | <b>16.6</b> | <b>100</b> | <b>18.6</b> | <b>132</b> | <b>137</b> | <b>139</b>     |     |
| 163             | 150188 | 120231   | 3.3        | -1.5        | 11          | 8          | 1.0         | 110        | 18.2        | 135        | 141        | 130            | 163 |
| 164             | 150169 | 120231   | -0.6       | -2.1        | 2           | -6         | -0.1        | 104        | 19.0        | 130        | 124        | 119            | 164 |
| 165             | 150057 | GP-HAZZA | 1.9        | -2.3        | 11          | -11        | -0.7        | 109        | 18.3        | 152        | 152        | 142            | 165 |
| 166             | 150422 | 130252   | 1.9        | -1.4        | 15          | 25         | 0.6         | 86         | 19.2        | 140        | 147        | 135            | 166 |
| 167             | 150193 | 120231   | -0.8       | -2.6        | 15          | -25        | -1.0        | 108        | 20.9        | 146        | 142        | 136            | 167 |
| 168             | 150264 | 130467   | 6.2        | -1.6        | 19          | -8         | 0.2         | 98         | 18.2        | 152        | 161        | 151            | 168 |

|     |           |          |     |      |    |     |      |     |      |     |     |     |     |
|-----|-----------|----------|-----|------|----|-----|------|-----|------|-----|-----|-----|-----|
| 169 | 150237    | EM130004 | 5.0 | -1.4 | 23 | 48  | 0.0  | 108 | 19.9 | 143 | 161 | 142 | 169 |
| 170 | 150113(P) | PB130020 | 3.2 | -1.9 | 25 | 28  | 0.0  | 115 | 20.8 | 156 | 170 | 151 | 170 |
| 171 | 150217    | EM130004 | 4.0 | -1.8 | 23 | 2   | -0.9 | 113 | 21.9 | 150 | 160 | 147 | 171 |
| 172 | 150496    | 130172   | 2.9 | -0.9 | 22 | -54 | 1.2  | 111 | 17.6 | 148 | 152 | 152 | 172 |