

| Tag    | Sex    | Dam    | Sire   | Date of Birth | Birth Status | 100d | Date100d  |
|--------|--------|--------|--------|---------------|--------------|------|-----------|
| MM9001 | Female | MM1012 | MM8080 | 2019/03/20    | t            | 20   | 20-Jun-19 |
| MM9002 | Male   | MM1012 | MM8080 | 2019/03/20    | t            | 25   | 20-Jun-19 |
| MM9003 | Male   | MM7132 | MM8079 | 2019/07/13    | t            | 16   | 01-Nov-19 |
| MM9004 | Male   | MM7104 | MM8079 | 2019/05/22    | s            | 21.6 | 01-Nov-19 |
| MM9005 | Female | MM4143 | MM8079 | 2019/06/27    | s            | 24.4 | 01-Nov-19 |
| MM9006 | Female | MM7168 | MM8076 | 2019/06/25    | s            | 20   | 01-Nov-19 |
| MM9007 | Female | MM7174 | MM8079 | 2019/06/30    | s            | 19.4 | 01-Nov-19 |
| MM9008 | Female | MM7061 | MM8076 | 2019/06/30    | t            | 18.2 | 01-Nov-19 |
| MM9009 | Female | MM8050 | MM8047 | 2019/07/02    | t            | 13.4 | 01-Nov-19 |
| MM9010 | Female | MM8050 | MM8047 | 2019/07/02    | t            | 16.8 | 01-Nov-19 |
| MM9011 | Male   | MM6026 | MM8079 | 2019/06/22    | s            | 24   | 01-Nov-19 |
| MM9012 | Male   | MM8024 | MM8047 | 2019/06/22    | s            | 19.8 | 01-Nov-19 |
| MM9013 | Male   | MM4145 | MM8079 | 2019/06/22    | s            | 25.6 | 01-Nov-19 |
| MM9014 | Female | MM7136 | MM8076 | 2019/07/01    | t            | 17.2 | 01-Nov-19 |
| MM9015 | Female | MM4028 | MM8079 | 2019/06/22    | t            | 19   | 01-Nov-19 |
| MM9016 | Male   | MM4028 | MM8079 | 2019/06/22    | t            | 21.6 | 01-Nov-19 |
| MM9017 | Female | MM7078 | MM8079 | 2019/06/30    | t            | 14   | 01-Nov-19 |
| MM9018 | Female | MM4118 | MM8079 | 2019/06/22    | s            | 23.8 | 01-Nov-19 |
| MM9019 | Female | MM7092 | MM8076 | 2019/06/22    | s            | 23   | 01-Nov-19 |
| MM9020 | Female | MM7191 | MM8076 | 2019/06/22    | s            | 22.8 | 01-Nov-19 |
| MM9021 | Male   | MM7051 | MM8079 | 2019/06/22    | s            | 22   | 01-Nov-19 |
| MM9022 | Male   | MM7034 | MM8076 | 2019/06/22    | s            | 26.2 | 01-Nov-19 |
| MM9023 | Male   | MM7109 | MM8076 | 2019/06/22    | t            | 22.6 | 01-Nov-19 |
| MM9024 | Female | MM7003 | MM8079 | 2019/07/10    | trip         | 18.4 | 01-Nov-19 |
| MM9025 | Female | MM7003 | MM8079 | 2019/07/10    | trip         | 22   | 01-Nov-19 |
| MM9026 | Female | MM5114 | MM8079 | 2019/06/22    | s            | 23.2 | 01-Nov-19 |
| MM9027 | Female | MM7141 | MM8079 | 2019/06/24    | s            | 24.4 | 01-Nov-19 |
| MM9028 | Female | MM4024 | MM8079 | 2019/06/25    | s            | 21.6 | 01-Nov-19 |
| MM9029 | Male   | MM7024 | MM8079 | 2019/06/25    | s            | 26.2 | 01-Nov-19 |
| MM9030 | Female | MM7084 | MM8076 | 2019/06/25    | s            | 24.4 | 01-Nov-19 |
| MM9031 | Female | MM7127 | MM8076 | 2019/06/26    | s            | 24.2 | 01-Nov-19 |
| MM9032 | Female | MM7033 | MM8076 | 2019/05/22    | s            | 24.8 | 01-Nov-19 |
| MM9033 | Female | MM5107 | MM8076 | 2019/06/22    | s            | 24.4 | 01-Nov-19 |
| MM9034 | Female | MM4001 | MM8079 | 2019/06/25    | s            | 17.2 | 01-Nov-19 |
| MM9035 | Male   | MM5074 | MM8079 | 2019/06/22    | s            | 29.8 | 01-Nov-19 |
| MM9036 | Male   | MM7085 | MM8079 | 2019/06/25    | s            | 21.2 | 01-Nov-19 |
| MM9037 | Female | MM7166 | MM8076 | 2019/07/03    | s            | 19.4 | 01-Nov-19 |
| MM9038 | Female | MM8086 | MM8047 | 2019/07/03    | s            | 19.8 | 01-Nov-19 |
| MM9039 | Male   | MM7087 | MM8076 | 2019/06/22    | s            | 21.4 | 01-Nov-19 |
| MM9040 | Female | MM7005 | MM8076 | 2019/06/24    | s            | 24.6 | 01-Nov-19 |
| MM9041 | Male   | MM7122 | MM8079 | 2019/07/03    | t            | 17.4 | 01-Nov-19 |
| MM9042 | Male   | MM7122 | MM8079 | 2019/07/03    | t            | x    | 01-Nov-19 |
| MM9043 | Male   | MM3036 | MM8079 | 2019/06/30    | s            | 22.6 | 01-Nov-19 |
| MM9044 | Female | MM5038 | MM8079 | 2019/06/30    | t            | 18.8 | 01-Nov-19 |
| MM9045 | Female | MM5038 | MM8079 | 2019/06/30    | t            | 17   | 01-Nov-19 |
| MM9046 | Male   | MM3037 | MM8079 | 2019/07/03    | t            | 21.4 | 01-Nov-19 |
| MM9047 | Female | MM7231 | MM8076 | 2019/06/30    | s            | 15.2 | 01-Nov-19 |

|        |        |        |        |            |   |      |           |
|--------|--------|--------|--------|------------|---|------|-----------|
| MM9048 | Male   | MM7011 | MM8079 | 2019/06/22 | s | 25   | 01-Nov-19 |
| MM9049 | Female | MM7138 | MM8079 | 2019/07/16 | t | x    | 01-Nov-19 |
| MM9050 | Female | MM6011 | MM8079 | 2019/06/30 | s | 27.2 | 01-Nov-19 |
| MM9051 | Male   | MM7081 | MM8076 | 2019/06/30 | s | 22   | 01-Nov-19 |
| MM9052 | Male   | MM7010 | MM8076 | 2019/06/29 | s | 27   | 01-Nov-19 |
| MM9053 | Female | MM7187 | MM8076 | 2019/06/30 | s | 17.8 | 01-Nov-19 |
| MM9054 | Male   | MM5067 | MM8079 | 2019/07/02 | s | 20   | 01-Nov-19 |
| MM9055 | Female | MM7080 | MM8079 | 2019/06/30 | s | 20.4 | 01-Nov-19 |
| MM9056 | Female | MM7128 | MM8076 | 2019/06/27 | s | 20.2 | 01-Nov-19 |
| MM9057 | Male   | MM4046 | MM8079 | 2019/06/30 | t | 18.8 | 01-Nov-19 |
| MM9058 | Female | MM7206 | MM8076 | 2019/06/25 | s | 21.6 | 01-Nov-19 |
| MM9059 | Male   | MM4149 | MM8079 | 2019/06/28 | s | 24.4 | 01-Nov-19 |
| MM9060 | Male   | MM7203 | MM8079 | 2019/06/22 | s | 30.2 | 01-Nov-19 |
| MM9061 | Female | MM7177 | MM8076 | 2019/06/29 | s | 21   | 01-Nov-19 |
| MM9062 | Female | MM6032 | MM8079 | 2019/07/03 | t | x    | 01-Nov-19 |
| MM9063 | Female | MM6032 | MM8079 | 2019/07/03 | t | 21   | 01-Nov-19 |
| MM9064 | Female | MM8075 | MM8047 | 2019/06/30 | s | 15.2 | 01-Nov-19 |
| MM9065 | Female | MM5097 | MM8079 | 2019/07/01 | t | 21.4 | 01-Nov-19 |
| MM9066 | Male   | MM7136 | MM8076 | 2019/07/01 | t | x    | 01-Nov-19 |
| MM9067 | Female | MM7170 | MM8076 | 2019/07/01 | s | 17.8 | 01-Nov-19 |
| MM9068 | Female | MM5093 | MM8079 | 2019/07/01 | s | 18.8 | 01-Nov-19 |
| MM9069 | Female | MM7210 | MM8079 | 2019/06/26 | s | 22   | 01-Nov-19 |
| MM9070 | Male   | MM7076 | MM8079 | 2019/06/30 | s | 19.8 | 01-Nov-19 |
| MM9071 | Male   | MM7009 | MM8076 | 2019/06/22 | s | 27.2 | 01-Nov-19 |
| MM9072 | Female | MM5097 | MM8079 | 2019/07/01 | t | 17.8 | 01-Nov-19 |
| MM9073 | Male   | MM8022 | MM8047 | 2019/07/15 | s | 16   | 01-Nov-19 |
| MM9074 | Male   | MM3037 | MM8079 | 2019/07/03 | t | 21.2 | 01-Nov-19 |
| MM9075 | Female | MM8060 | MM8047 | 2019/06/22 | s | 23.4 | 01-Nov-19 |
| MM9076 | Male   | MM7125 | MM8079 | 2019/07/15 | s | 31.6 | 01-Nov-19 |
| MM9077 | Male   | MM8030 | MM8047 | 2019/07/07 | s | 18.6 | 01-Nov-19 |
| MM9078 | Male   | MM3107 | MM8079 | 2019/07/17 | t | x    | 01-Nov-19 |
| MM9079 | Male   | MM3107 | MM8079 | 2019/07/17 | t | 18   | 01-Nov-19 |
| MM9080 | Female | MM4141 | MM8079 | 2019/07/17 | t | x    | 01-Nov-19 |
| MM9081 | Female | MM4141 | MM8079 | 2019/07/17 | t | 26.2 | 01-Nov-19 |
| MM9082 | Male   | MM5102 | MM8079 | 2019/07/09 | s | 27.6 | 01-Nov-19 |
| MM9083 | Male   | MM7162 | MM8079 | 2019/07/12 | s | 18.6 | 01-Nov-19 |
| MM9084 | Male   | MM7025 | MM8079 | 2019/06/30 | s | 23.6 | 01-Nov-19 |
| MM9085 | Female | MM5099 | MM8079 | 2019/06/30 | s | 23   | 01-Nov-19 |
| MM9086 | Female | MM4008 | MM8079 | 2019/07/11 | s | 25.8 | 01-Nov-19 |
| MM9087 | Female | MM7078 | MM8079 | 2019/06/30 | t | 14.8 | 01-Nov-19 |
| MM9088 | Female | MM7061 | MM8076 | 2019/06/30 | t | 18   | 01-Nov-19 |
| MM9089 | Male   | MM4147 | MM8079 | 2019/07/13 | t | 20.4 | 01-Nov-19 |
| MM9090 | Male   | MM7063 | MM8079 | 2019/07/12 | s | 20   | 01-Nov-19 |
| MM9091 | Female | MM8067 | MM8047 | 2019/07/14 | s | x    | 01-Nov-19 |
| MM9092 | Female | MM7098 | MM8076 | 2019/06/29 | s | 23.6 | 01-Nov-19 |
| MM9093 | Female | MM7026 | MM8079 | 2019/07/17 | s | 22   | 01-Nov-19 |
| MM9094 | Male   | MM4055 | MM8079 | 2019/07/02 | s | 17   | 01-Nov-19 |
| MM9095 | Male   | MM7093 | MM8079 | 2019/07/14 | s | 18.4 | 01-Nov-19 |

|        |        |        |        |            |      |      |           |
|--------|--------|--------|--------|------------|------|------|-----------|
| MM9096 | Female | MM4076 | MM8079 | 2019/06/22 | t    | 16.8 | 01-Nov-19 |
| MM9097 | Male   | MM4076 | MM8079 | 2019/06/22 | t    | 19.4 | 01-Nov-19 |
| MM9098 | Female | MM7138 | MM8079 | 2019/07/16 | t    | 16.4 | 01-Nov-19 |
| MM9099 | Male   | MM7082 | MM8079 | 2019/07/14 | s    | 16.2 | 01-Nov-19 |
| MM9100 | Female | MM5037 | MM8079 | 2019/06/22 | s    | 26.8 | 01-Nov-19 |
| MM9101 | Male   | MM4046 | MM8079 | 2019/06/30 | t    | 19   | 01-Nov-19 |
| MM9102 | Male   | MM7079 | MM8076 | 2019/07/15 | s    | x    | 01-Nov-19 |
| MM9103 | Male   | MM7003 | MM8079 | 2019/07/10 | trip | x    | 01-Nov-19 |
| MM9104 | Male   | MM5015 | MM8079 | 2019/07/11 | s    | 18.6 | 01-Nov-19 |
| MM9105 | Male   | MM3097 | MM8079 | 2019/07/16 | t    | 19.6 | 01-Nov-19 |
| MM9106 | Male   | MM3097 | MM8079 | 2019/07/16 | t    | 18.2 | 01-Nov-19 |
| MM9107 | Male   | MM7132 | MM8079 | 2019/07/13 | t    | 13.8 | 01-Nov-19 |
| MM9108 | Female | MM7197 | MM8076 | 2019/07/14 | s    | 16.2 | 01-Nov-19 |
| MM9109 | Male   | MM7129 | MM8076 | 2019/07/15 | s    | x    | 01-Nov-19 |
| MM9110 | Female | MM8087 | MM8047 | 2019/07/12 | s    | x    | 01-Nov-19 |
| MM9111 | Female | MM8044 | MM8047 | 2019/07/12 | s    | 19.8 | 01-Nov-19 |
| MM9112 | Female | MM7147 | MM8079 | 2019/07/13 | s    | 19.4 | 01-Nov-19 |
| MM9113 | Female | MM7102 | MM8079 | 2019/07/26 | s    | 15   | 01-Nov-19 |
| MM9114 | Male   | MM5085 | MM8079 | 2019/07/25 | s    | 18.8 | 01-Nov-19 |
| MM9115 | Female | MM8037 | MM8020 | 2019/07/26 | s    | x    | 01-Nov-19 |
| MM9116 | Female | MM7188 | MM8076 | 2019/07/26 | s    | 21.4 | 01-Nov-19 |
| MM9117 | Female | MM4147 | MM8079 | 2019/07/13 | t    | 16.2 | 01-Nov-19 |
| MM9118 | Male   | MM7016 | MM8076 | 2019/08/01 | s    | 17   | 01-Nov-19 |
| MM9119 | Male   | MM4002 | MM8079 | 2019/07/26 | s    | 22.4 | 01-Nov-19 |
| MM9120 | Male   | MM8003 | MM8020 | 2019/08/06 | s    | x    | 01-Nov-19 |
| MM9121 | Male   | MM7109 | MM8076 | 2019/06/22 | t    | 19.2 | 01-Nov-19 |
| MM9122 | Female | MM8133 | MM8047 | 2019/08/17 | s    | 11.6 | 01-Nov-19 |
| MM9123 | Female | MM7116 | MM8076 | 2019/08/14 | s    | 16.6 | 01-Nov-19 |
| MM9124 | Female | MM8066 | MM8047 | 2019/08/17 | s    | 16.2 | 01-Nov-19 |
| MM9125 | Female | MM8113 | MM8047 | 2019/08/19 | s    | 12.6 | 01-Nov-19 |
| MM9128 | Female | MM1015 | MM8036 | 2019/09/23 | t    | 39.4 | 11-Jan-20 |
| MM9129 | Female | MM1015 | MM8036 | 2019/09/23 | t    | 35   | 11-Jan-20 |
| MM9130 | Female | UK     | UK     | 2019/09/15 | UK   | 14.6 | 01-Nov-19 |
| MM9131 | Female | UK     | UK     | 2019/08/20 | UK   | 20.8 | 01-Nov-19 |
| MM9132 | Male   | UK     | UK     | 2019/09/22 | UK   | 15.6 | 01-Nov-19 |
| MM9133 | Male   | UK     | UK     | 2019/08/26 | UK   | 19   | 01-Nov-19 |
| MM9134 | Female | MM8205 | MM8047 | 2019/08/11 | s    |      |           |

| Environ100d    | 270d | date270d  | Environm270d     |
|----------------|------|-----------|------------------|
| Pasturefeedlot | 45   | 28-Sep-19 | PastureFeedlot   |
| Pasturefeedlot | 69   | 28-Sep-19 | PastureFeedlot   |
| veld           | 43.2 | 14-Mar-19 | Feedlot          |
| veld           | 35.4 | 14-Mar-19 | lande            |
| veld           | 37.2 | 14-Mar-19 | veld             |
| veld           | 34.8 | 14-Mar-19 | veld             |
| veld           | 26.2 | 14-Mar-19 | veld             |
| veld           | 35   | 14-Mar-19 | veld             |
| veld           | 28.6 | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 29.4 | 14-Mar-19 | veld             |
| veld           | 38.8 | 14-Mar-19 | lande            |
| veld           | 42.2 | 14-Mar-19 | lande            |
| veld           | 46.6 | 14-Mar-19 | lande            |
| veld           | 31   | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 30.8 | 14-Mar-19 | veld             |
| veld           | 39.6 | 14-Mar-19 | lande            |
| veld           | 24.4 | 14-Mar-19 | veld             |
| veld           | 32.2 | 14-Mar-19 | veld             |
| veld           | 40   | 14-Mar-19 | veld             |
| veld           | 34.6 | 14-Mar-19 | veld             |
| veld           | x    |           |                  |
| veld           | 45.2 | 14-Mar-19 | lande            |
| veld           | 37.6 | 14-Mar-19 | lande            |
| veld           | 29   | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 33.8 | 14-Mar-19 | veld             |
| veld           | 34.8 | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 35.4 | 14-Mar-19 | veld             |
| veld           | 30.4 | 14-Mar-19 | veld             |
| veld           | 40.4 | 14-Mar-19 | lande            |
| veld           | 39   | 14-Mar-19 | veld             |
| veld           | 56   | 14-Mar-19 | Feedlot          |
| veld           | 38   | 14-Mar-19 | veld             |
| veld           | 35   | 14-Mar-19 | veld             |
| veld           | 26.4 | 14-Mar-19 | veld             |
| veld           | 48   | 14-Mar-19 | lande            |
| veld           | 34.2 | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 31.4 | 14-Mar-19 | veld             |
| veld           | 30   | 14-Mar-19 | veld             |
| veld           | 38.4 | 14-Mar-19 | lande            |
| veld           | 53.5 | 14-Mar-19 | MixedVeldFeedlot |
| veld           | x    |           |                  |
| veld           | x    |           |                  |
| veld           | 33.2 | 14-Mar-19 | lande            |
| veld           |      | 14-Mar-19 |                  |
| veld           | 26.4 | 14-Mar-19 | veld             |
| veld           | 35   | 14-Mar-19 | lande            |
| veld           | 29.2 | 14-Mar-19 | veld             |

|      |      |           |                  |
|------|------|-----------|------------------|
| veld | 36.6 | 14-Mar-19 | lande            |
| veld | x    |           |                  |
| veld | 42   | 14-Mar-19 | veld             |
| veld | 39.4 | 14-Mar-19 | lande            |
| veld | 54   | 14-Mar-19 | Feedlot          |
| veld | 30.2 | 14-Mar-19 | veld             |
| veld | 37.8 | 14-Mar-19 | lande            |
| veld | 35.4 | 14-Mar-19 | veld             |
| veld | 31.8 | 14-Mar-19 | veld             |
| veld | 38   | 14-Mar-19 | lande            |
| veld | 36.8 | 14-Mar-19 | veld             |
| veld | 42.2 | 14-Mar-19 | lande            |
| veld | 47.6 | 14-Mar-19 | lande            |
| veld | 33.4 | 14-Mar-19 | veld             |
| veld | x    |           |                  |
| veld | 33.8 | 14-Mar-19 | veld             |
| veld | 26   | 14-Mar-19 | veld             |
| veld | 32.2 | 14-Mar-19 | veld             |
| veld | x    |           |                  |
| veld | 28.8 | 14-Mar-19 | veld             |
| veld | 33   | 14-Mar-19 | veld             |
| veld | 37.6 | 14-Mar-19 | veld             |
| veld | 17.4 | 14-Mar-19 | lande            |
| veld | 50   | 14-Mar-19 | lande            |
| veld | 31.4 | 14-Mar-19 | MixedVeldFeedlot |
| veld | 41.2 | 14-Mar-19 | Feedlot          |
| veld | 34.2 | 14-Mar-19 | MixedVeldFeedlot |
| veld | 37.4 | 14-Mar-19 | veld             |
| veld | 49.8 | 14-Mar-19 | lande            |
| veld | x    |           |                  |
| veld | x    |           |                  |
| veld | 34.4 | 14-Mar-19 | lande            |
| veld | x    |           |                  |
| veld | 53   | 14-Mar-19 | Feedlot          |
| veld | 38.6 | 14-Mar-19 | lande            |
| veld | 36.4 | 14-Mar-19 | lande            |
| veld | 41.8 | 14-Mar-19 | lande            |
| veld | 32   | 14-Mar-19 | veld             |
| veld | 36   | 14-Mar-19 | veld             |
| veld | 27.4 | 14-Mar-19 | MixedVeldFeedlot |
| veld | 29   | 14-Mar-19 | veld             |
| veld | 36.4 | 14-Mar-19 | lande            |
| veld | 34.2 | 14-Mar-19 | MixedVeldFeedlot |
| veld | x    |           |                  |
| veld | 36.8 | 14-Mar-19 | veld             |
| veld | 32.8 | 14-Mar-19 | veld             |
| veld | 31.2 | 14-Mar-19 | lande            |
| veld | 34   | 14-Mar-19 | MixedVeldFeedlot |

|                |      |           |                  |
|----------------|------|-----------|------------------|
| veld           | 26.4 | 14-Mar-19 | veld             |
| veld           | 34.6 | 14-Mar-19 | lande            |
| veld           | 42   | 14-Mar-19 | Feedlot          |
| veld           | 38.6 | 14-Mar-19 | Feedlot          |
| veld           | 38.4 | 14-Mar-19 | veld             |
| veld           | x    |           |                  |
| veld           | x    |           |                  |
| veld           | x    |           |                  |
| veld           | 32.4 | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 38   | 14-Mar-19 | lande            |
| veld           | 33.2 | 14-Mar-19 | lande            |
| veld           | 41.8 | 14-Mar-19 | Feedlot          |
| veld           | 23.4 | 14-Mar-19 | veld             |
| veld           | 36.6 | 14-Mar-19 | lande            |
| veld           | x    |           |                  |
| veld           | 30.4 | 14-Mar-19 | veld             |
| veld           | 27.4 | 14-Mar-19 | veld             |
| veld           | 26.6 | 14-Mar-19 | veld             |
| veld           | x    |           |                  |
| veld           | x    |           |                  |
| veld           | 35   | 14-Mar-19 | veld             |
| veld           | 31.2 | 14-Mar-19 | veld             |
| veld           | x    |           |                  |
| veld           | 35   | 14-Mar-19 | lande            |
| veld           | x    |           |                  |
| veld           | 35.6 | 14-Mar-19 | lande            |
| veld           | 26.4 | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 32.8 | 14-Mar-19 | veld             |
| veld           | 31   | 14-Mar-19 | MixedVeldFeedlot |
| veld           | 29.4 | 14-Mar-19 | MixedVeldFeedlot |
| Pasturefeedlot | 47   | 14-Mar-19 | Feedlot          |
| Pasturefeedlot | 45.6 | 14-Mar-19 | Feedlot          |
| Pasturefeedlot | 30.4 | 14-Mar-19 | MixedVeldFeedlot |
| Pasturefeedlot | 34.6 | 14-Mar-19 | veld             |
| Pasturefeedlot | 26.8 | 14-Mar-19 | MixedVeldFeedlot |
| Pasturefeedlot | 46.2 | 14-Mar-19 | Feedlot          |





