

# Herd Register or Generation Count 4-6 and BBR 100: Active (A) and Foreign (F) Bulls Marketed in US by JPI December 2020

| ST | Name of Bull                        | Registration Number | GT  | BBR | JH1 | JNS | NAAB Code  | JPI | No. Hds | No. Daus | REL % | % Milk | % Fat | % Fat | % Prot | Prot | CM\$ | NM\$ | FM\$ |
|----|-------------------------------------|---------------------|-----|-----|-----|-----|------------|-----|---------|----------|-------|--------|-------|-------|--------|------|------|------|------|
| A  | HILLVIEW LISTOWEL-P                 | USA 067333440       | 99K | 100 | F   | C   | 200JE1045  | 153 | 127     | 1,801    | 99    | 1250   | -0.02 | 55    | 0.02   | 51   | 548  | 521  | 465  |
| A  | JX SUNSET CANYON GOT MAID (5)-ET    | USA 119407594       | 99K | 100 | F   |     | 551JE1650  | 141 | 93      | 2,138    | 99    | 1582   | 0.00  | 76    | 0.03   | 64   | 593  | 560  | 492  |
| F  | ISDK VJ OSTERGAARD HJERN HOVE       | DNK 000303987       | 50K | 100 | F   |     | 236JE207   | 138 | 224     | 577      | 88    | -625   | 0.55  | 83    | 0.21   | 20   | 501  | 435  | 291  |
| F  | ISDK VJ RAASTRUP HIHL GISLEV        | DNK 000304171       | 6K  | 100 | F   |     | 236JE226   | 133 | 318     | 1,133    | 89    | -147   | 0.25  | 46    | 0.14   | 24   | 450  | 396  | 285  |
| A  | FOREST GLEN BANCROFT TATE           | USA 067650143       | 99K | 100 | F   |     | 29JE4087   | 131 | 19      | 47       | 89    | 931    | 0.01  | 47    | 0.00   | 35   | 441  | 428  | 401  |
| F  | ISDK VJ ADELGAARD HOVE SAMSON       | DNK 000304415       | 50K | 100 | F   |     | 236JE257   | 131 | 156     | 412      | 88    | 112    | 0.25  | 58    | 0.11   | 27   | 485  | 444  | 356  |
| A  | DUTCH HOLLOW MIGHTY-ET              | 840003131737628     | 99K | 100 | F   |     | 29JE4079   | 130 | 17      | 28       | 87    | 441    | 0.25  | 75    | 0.15   | 49   | 532  | 470  | 338  |
| A  | CDF IRWIN STEVE                     | 840003006436334     | 80K | 100 | C   |     | 11JE1259   | 125 | 102     | 1,970    | 99    | 366    | 0.35  | 93    | 0.10   | 34   | 582  | 547  | 467  |
| F  | ISDK VJ AARRE LAPPE LARI            | DNK 000304158       | 50K | 100 | F   |     | 236JE222   | 125 | 323     | 1,047    | 89    | -226   | 0.22  | 35    | 0.12   | 18   | 402  | 358  | 264  |
| A  | OAKLANE DAZZLER DOORMAN 2125-ET     | USA 067742125       | 99K | 100 | F   |     | 7JE1529    | 124 | 48      | 123      | 94    | -93    | 0.14  | 25    | 0.04   | 5    | 436  | 418  | 382  |
| A  | PROGENESIS COMPLETELY-ET            | 124 109902120       | 99K | 100 | C   |     | 200JE1116  | 123 | 5       | 14       | 83    | 1269   | 0.01  | 64    | 0.02   | 51   | 478  | 459  | 416  |
| A  | FOREST GLEN KALAHARI                | USA 067650122       | 99K | 100 | F   | C   | 29JE4073   | 122 | 31      | 130      | 94    | 386    | 0.10  | 40    | 0.14   | 44   | 494  | 444  | 332  |
| A  | JX FOREST GLEN MONUMENT SULLY (6)   | USA 119889365       | 99K | 100 | F   |     | 97JE165    | 120 | 5       | 49       | 89    | 1074   | -0.07 | 36    | -0.04  | 31   | 431  | 430  | 431  |
| F  | ISDK VJ HORN                        | DNK 000303496       | 50K | 100 | F   |     | 236JE177   | 119 | 62      | 84       | 87    | -785   | 0.47  | 59    | 0.21   | 14   | 396  | 333  | 195  |
| F  | ISDK VJ KLOVBORG HJORT KLOV (6)     | DNK 000304276       | 50K | 100 | F   |     | 236JE243   | 118 | 214     | 785      | 89    | 80     | 0.15  | 36    | 0.09   | 23   | 363  | 327  | 250  |
| A  | DP KILOWATT AMP-ET                  | USA 172581329       | 99K | 100 | F   |     | 7JE1628    | 114 | 8       | 11       | 82    | 309    | 0.07  | 29    | 0.05   | 22   | 367  | 347  | 302  |
| A  | AHLEM AXIS BANCROFT-ET              | USA 073409475       | 99K | 100 | F   |     | 29JE3991   | 113 | 191     | 1,419    | 99    | 948    | -0.06 | 33    | 0.01   | 36   | 416  | 404  | 377  |
| F  | ISDK VJ DROSTRUPGAARD LUSAKA        | DNK 000304035       | 50K | 100 | F   |     | 236JE171   | 112 | 224     | 605      | 89    | 11     | 0.32  | 68    | 0.12   | 27   | 403  | 355  | 254  |
| A  | O.F. BALLISTIC GREG                 | USA 067198214       | 99K | 100 | F   |     | 7JE1490    | 110 | 45      | 362      | 97    | 919    | -0.06 | 31    | 0.04   | 43   | 362  | 337  | 284  |
| A  | AHLEM BANCROFT SHOCKER-ET           | USA 067823475       | 99K | 100 | F   |     | 7JE1614    | 107 | 15      | 61       | 91    | 773    | 0.05  | 49    | 0.01   | 31   | 416  | 402  | 373  |
| A  | JX FARIA BROTHERS MALDINI (4)-ET    | 840003135124483     | 99K | 100 | F   |     | 7JE1604    | 107 | 43      | 842      | 98    | 397    | 0.24  | 71    | 0.06   | 28   | 455  | 427  | 368  |
| A  | RIVER VALLEY CECE CHROME-ET         | 840003012423929     | 80K | 100 | F   | C   | 7JE5004    | 106 | 633     | 4,561    | 99    | 708    | 0.04  | 43    | -0.01  | 23   | 382  | 376  | 365  |
| A  | AHLEM BOWMAN LANCER-ET              | USA 073409435       | 99K | 100 | F   |     | 29JE3992   | 106 | 49      | 184      | 96    | -241   | 0.32  | 56    | 0.09   | 10   | 405  | 377  | 315  |
| A  | CDF VICEROY-ET                      | 840003002447507     | 58K | 100 | F   |     | 11JE1179   | 104 | 249     | 5,739    | 99    | 802    | 0.01  | 41    | 0.03   | 37   | 407  | 388  | 347  |
| A  | RIVER VALLEY CIRCUS CLOSER-ET       | USA 075341010       | 99K | 100 | F   |     | 7JE5052    | 102 | 38      | 84       | 92    | 501    | -0.03 | 18    | -0.01  | 17   | 338  | 329  | 314  |
| F  | ISDK VJ ALSTRUP HICKEY HAMA         | DNK 000303968       | 50K | 100 | F   |     | 236JE178   | 102 | 199     | 486      | 88    | -639   | 0.30  | 31    | 0.13   | 4    | 314  | 278  | 197  |
| A  | JX RIVER VALLEY TRIUMPH (5)-ET      | 840003131639877     | 99K | 100 | F   |     | 7JE5041    | 101 | 51      | 518      | 98    | 2274   | -0.22 | 59    | -0.08  | 65   | 384  | 388  | 398  |
| A  | CAL-MART CHISEL DREW 4462-ET        | USA 067384462       | 99K | 100 | F   |     | 7JE1545    | 101 | 57      | 168      | 95    | 828    | 0.12  | 67    | 0.04   | 39   | 433  | 407  | 352  |
| F  | ISDK VJ HOEHOLT JERN JAMES          | DNK 000304302       | 50K | 100 | F   |     | 236JE248   | 100 | 259     | 1,000    | 89    | -713   | 0.41  | 49    | 0.18   | 10   | 339  | 285  | 169  |
| A  | JX AHLEM BOUDREAU STORMCLOUD (4)-ET | USA 074067679       | 99K | 100 | F   |     | 7JE1540    | 99  | 78      | 995      | 99    | 1478   | -0.09 | 52    | -0.04  | 46   | 427  | 430  | 432  |
| F  | ISDK VJ HJORTVANGS HOLMER HJORT     | DNK 000303828       | 50K | 100 | F   |     | 236JE166   | 99  | 341     | 1,152    | 90    | 24     | 0.23  | 50    | 0.11   | 25   | 351  | 309  | 220  |
| F  | ISDK VJ HAUGSTEDGAARD HORST         | DNK 000303706       | 50K | 100 | F   |     | 236JE251   | 99  | 74      | 116      | 87    | -599   | 0.41  | 55    | 0.17   | 13   | 356  | 303  | 189  |
| F  | ISDK VJ MOSEGAARD HILARIO HAARE     | DNK 000304229       | 50K | 100 | F   |     | 236JE229   | 98  | 171     | 322      | 88    | 38     | 0.20  | 44    | 0.13   | 30   | 373  | 325  | 220  |
| A  | ISDK VJ HAVDAL LAPPE DEE (6)        | DNK 000304164       | 50K | 100 | F   |     | 236JE224   | 98  | 345     | 1,022    | 92    | -1726  | 0.75  | 64    | 0.32   | 0    | 412  | 325  | 136  |
| A  | DODAN DEW-Z DEWEY-ET                | USA 119306240       | 99K | 100 | F   |     | 200JE1053  | 96  | 46      | 360      | 97    | 571    | 0.16  | 62    | 0.11   | 44   | 444  | 398  | 299  |
| F  | ISDK VJ RAVNINGGAARD HAZARD         | DNK 000303970       | 50K | 100 | F   |     | 236JE254   | 96  | 303     | 925      | 89    | -522   | 0.40  | 57    | 0.15   | 13   | 370  | 324  | 224  |
| F  | ISDK VJ BLANKE JASON JANKO          | DNK 000303787       | 50K | 100 | C   |     | 236JE252   | 96  | 292     | 824      | 89    | -745   | 0.33  | 32    | 0.15   | 4    | 340  | 292  | 191  |
| F  | ISDK VJ RONHOLM HICKEY HIAN (6)     | DNK 000303933       | 50K | 100 | F   |     | 236JE167   | 94  | 250     | 604      | 89    | -384   | 0.16  | 15    | 0.13   | 13   | 243  | 202  | 113  |
| A  | BW SOLEIL                           | USA 117965306       | 50K | 100 | C   |     | 203JE1366  | 94  | 46      | 684      | 99    | 134    | 0.09  | 25    | 0.00   | 5    | 322  | 321  | 317  |
| F  | ISDK VJ ENGBJERG HAZARD HERO        | DNK 000304419       | 50K | 100 | C   |     | 236JE259   | 92  | 172     | 575      | 88    | 207    | 0.22  | 57    | 0.08   | 24   | 375  | 343  | 274  |
| F  | ISDK VJ GYVELBOG HIHL GYVEL         | DNK 000304163       | 50K | 100 | F   |     | 236JE223   | 92  | 336     | 916      | 90    | -209   | 0.15  | 21    | 0.10   | 13   | 308  | 271  | 194  |
| A  | RIVER VALLEY PFENNIG PERFECT FIT    | 840003009997718     | 50K | 100 | F   |     | 147JE6213  | 91  | 9       | 132      | 96    | 472    | 0.13  | 51    | 0.05   | 28   | 354  | 329  | 278  |
| F  | ISDK VJ HAUGSTEDGAARD HJERN HOJ (6) | DNK 000303972       | 50K | 100 | F   |     | 236JE165   | 89  | 461     | 1,830    | 89    | -423   | 0.24  | 29    | 0.15   | 15   | 330  | 282  | 178  |
| F  | ISDK VJ LUKOWA                      | DNK 000303732       | 50K | 100 | F   |     | 236JE160   | 89  | 213     | 466      | 88    | -1043  | 0.46  | 43    | 0.19   | 0    | 266  | 211  | 94   |
| A  | BW BRAVEHEART-ET                    | 840003126536276     | 13K | 100 | F   |     | 551JE1656  | 86  | 11      | 109      | 93    | 270    | 0.16  | 47    | 0.09   | 30   | 383  | 350  | 276  |
| F  | ISDK VJ ADELGAARD HIHL HIWE         | DNK 000304155       | 50K | 100 | F   |     | 236JE220   | 86  | 317     | 1,214    | 89    | -777   | 0.45  | 54    | 0.22   | 16   | 352  | 288  | 149  |
| A  | KASH-IN SALSA-P-ET                  | 840003013871195     | 99K | 100 | F   |     | 7JE1474    | 85  | 35      | 77       | 93    | 874    | 0.03  | 49    | 0.04   | 42   | 405  | 381  | 327  |
| A  | PINE-TREE PHARO 1ST DYNASTY-ET      | USA 075191049       | 99K | 100 | F   |     | 7JE1516    | 84  | 94      | 1,118    | 99    | 536    | -0.09 | 7     | -0.01  | 18   | 319  | 311  | 298  |
| F  | ISDK VJ HOEHOLT GALVANIZE GAZZ      | DNK 000304165       | 50K | 100 | F   |     | 236JE225   | 83  | 61      | 122      | 88    | 154    | 0.17  | 43    | 0.09   | 24   | 335  | 303  | 234  |
| A  | JX SEXING VALIDATE 60883 (5)-ET     | 840003010364630     | 13K | 100 | F   |     | 551JE1643  | 81  | 10      | 60       | 91    | 1484   | -0.10 | 49    | -0.01  | 51   | 366  | 353  | 326  |
| A  | WILSONVIEW JEON MAGNUM-ET           | USA 067010044       | 50K | 100 | F   |     | 203JE927   | 79  | 257     | 7,101    | 99    | 673    | 0.11  | 57    | -0.01  | 23   | 260  | 253  | 241  |
| F  | ISDK VJ HAGENBJERGGAARD HITMAN (5)  | DNK 000304254       | 50K | 100 | C   |     | 236JE231   | 79  | 439     | 2,622    | 90    | -1362  | 0.36  | 5     | 0.24   | -2   | 234  | 171  | 33   |
| A  | JX WILSONVIEW SWORD MULTIPLY (6)-ET | USA 119465110       | 99K | 100 | F   |     | 97JE152    | 78  | 5       | 46       | 89    | 746    | -0.02 | 32    | -0.04  | 19   | 286  | 290  | 301  |
| F  | ISDK VJ HOEHOLT HILDE HUZAR         | DNK 000303788       | 50K | 100 | F   |     | 236JE253   | 77  | 253     | 981      | 88    | -1237  | 0.37  | 14    | 0.18   | -10  | 269  | 224  | 126  |
| A  | ISDK DJ ZUMA                        | DNK 000302730       | 50K | 100 | F   |     | 236JE146   | 74  | 2,167   | 21,521   | 99    | -1004  | 0.23  | -1    | 0.11   | -15  | 167  | 138  | 76   |
| A  | MISSISKA MACKENZIE-ET               | CAN 107987355       | 80K | 100 | F   |     | 777JE1007  | 73  | 353     | 8,850    | 99    | 29     | 0.32  | 70    | 0.15   | 32   | 425  | 378  | 273  |
| A  | JX CAL-MART HARRIS SILAS (5)        | USA 067294362       | 99K | 100 | F   |     | 97JE145    | 71  | 33      | 380      | 97    | 800    | 0.12  | 65    | 0.11   | 53   | 398  | 351  | 250  |
| A  | JX SEXING DAYBREAK CHICO (6)-ET     | 840003132349950     | 99K | 100 | F   |     | 551JE1668  | 70  | 4       | 11       | 83    | 638    | -0.09 | 12    | 0.03   | 31   | 235  | 215  | 173  |
| A  | JX FARIA BROTHERS TYWIN (4)-ET      | 840003011610094     | 8K  | 100 | F   |     | 535JE61    | 70  | 4       | 69       | 93    | 610    | -0.01 | 27    | 0.01   | 25   | 234  | 222  | 198  |
| A  | JX WILSONVIEW SWORD MAGNET (6)-ET   | USA 119465129       | 99K | 100 | F   |     | 7JE1532    | 70  | 26      | 51       | 90    | 1155   | -0.10 | 33    | -0.09  | 22   | 223  | 245  | 292  |
| F  | ISDK DNK VJ JERN                    | DNK 000303457       | 50K | 100 | F   |     | 236JE176   | 70  | 118     | 190      | 89    | -377   | 0.28  | 40    | 0.15   | 17   | 276  | 229  | 127  |
| F  | ISDK VJ HOEHOLT PICK PEREZ (6)      | DNK 000304130       | 50K | 100 | F   |     | 236JE212   | 70  | 376     | 1,397    | 90    | -885   | 0.38  | 35    | 0.24   | 16   | 300  | 230  | 77   |
| A  | ISDK VJ LINK                        | DNK 000303327       | 50K | 100 | F   |     | 236JE155   | 67  | 1,345   | 7,563    | 95    | -658   | 0.22  | 14    | 0.07   | -9   | 200  | 179  | 135  |
| A  | JX FARIA BROTHERS TOM BRADY (5)-ET  | 840003135124336     | 99K | 100 | F   |     | 97JE159    | 66  | 31      | 206      | 95    | 665    | 0.03  | 39    | 0.02   | 28   | 266  | 249  | 215  |
| A  | AHLEM DOMINICAN HOBBIT 21931        | USA 071199746       | 99K | 100 | F   | C   | 203JE1387  | 65  | 100     | 2,052    | 99    | 1101   | -0.03 | 47    | -0.01  | 39   | 277  | 270  | 253  |
| A  | RIVER VALLEY CHAR CHANGE UP-ET      | 840003126479215     | 99K | 100 | C   | C   | 777JE10010 | 65  | 130     | 1,011    | 99    | 583    | 0.08  | 45    | 0.00   | 22   | 333  | 328  | 314  |
| A  | SHAN-MAR ARCHER KNOCK-OUT-ET        | USA 067460152       | 50K | 100 | F   |     | 14JE758    | 64  | 44      | 411      | 97    | 183    | 0.09  | 29    | 0.04   | 16   | 270  | 254  | 218  |
| F  | ISDK VJ KROGAARD RODME QUINTANA     | DNK 000304301       | 50K | 100 | F   |     | 236JE247   | 64  | 388     | 1,996    | 90    | -653   | 0.37  | 44    | 0.15   | 8    | 274  | 227  | 125  |
| F  | ISDK VJ DONGSGAARDEN HUPI HUCK      | DNK 000304157       | 50K | 100 | F   |     | 236JE221   | 63  | 78      | 128      | 88    | -694   | 0.29  | 26    | 0.19   | 13   | 267  | 209  | 83   |
| A  | JX MEIER LEONEL PALMER (4)          | USA 067179059       | 99K | 100 |     |     |            |     |         |          |       |        |       |       |        |      |      |      |      |

## Herd Register or Generation Count 4-6 and BBR 100: Active (A) and Foreign (F) Bulls Marketed in US by JPI December 2020

| SCS  | PL   | LIV  | DPR  | DPR REL | CCR  | HCR  | EFI  | Type Hrds | Type Daus | Type REL | FS   | ST   | SR   | DF   | RA   | RW   | RL   | FA   | FU   | RH   | RWU  | UC   | UD   | TP   | TL   | RTP RV | RTP SV | JUI   |
|------|------|------|------|---------|------|------|------|-----------|-----------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-------|
| 2.74 | 4.4  | 2.3  | -1.8 | 94      | 0.0  | 0.7  | 9.2  | 92        | 1,116     | 99       | 0.4  | -2.3 | -0.1 | 0.7  | H0.2 | -0.2 | S0.1 | L0.3 | -0.4 | -0.1 | 1.3  | 0.4  | D2.1 | C1.4 | S2.1 | C1.2   | B0.6   | -0.7  |
| 2.69 | 4.7  | -2.9 | -3.1 | 95      | -2.4 | -0.9 | 8.8  | 64        | 1,082     | 99       | 0.4  | -0.1 | 0.6  | 0.6  | H0.7 | 0.0  | P0.4 | S0.6 | 0.4  | -0.6 | 0.6  | -0.3 | D0.6 | W0.1 | 0.0  | W0.8   | C1.1   | -4.3  |
| 2.79 | 1.1  | 0.4  | 2.4  | 77      | 3.6  | 2.0  | 2.3  | 122       | 298       | 80       | -1.1 | -0.6 | -0.5 | -0.8 | H0.3 | -0.9 | S0.2 | L0.5 | -2.6 | -1.9 | -1.1 | -0.8 | D0.6 | W0.7 | S1.9 | W0.4   | C0.2   | -9.9  |
| 2.64 | 2.9  | 0.4  | 2.7  | 80      | 3.7  | 4.2  | 3.8  | 171       | 650       | 82       | -0.5 | -0.3 | -0.3 | -0.4 | L0.7 | 0.4  | P0.3 | L0.1 | -1.0 | -0.8 | -1.0 | -0.3 | S1.6 | W0.5 | S1.1 | W0.4   | C1.1   | -2.1  |
| 2.94 | 2.6  | 0.5  | 1.3  | 71      | 3.3  | 5.3  | 8.0  | 6         | 28        | 86       | 0.5  | 0.9  | -0.8 | 1.6  | L0.9 | -0.6 | S0.3 | S0.4 | -1.0 | 0.9  | 0.2  | -0.2 | D0.1 | W1.6 | S0.3 | W1.1   | C0.1   | 0.2   |
| 2.85 | 3.5  | 1.5  | 2.1  | 75      | 3.0  | 2.6  | 4.3  | 64        | 141       | 82       | -0.6 | 0.3  | 0.0  | -0.3 | H0.1 | -0.6 | P0.2 | S0.2 | -1.1 | -0.7 | -0.4 | -0.7 | S0.2 | W1.4 | S0.2 | W1.7   | C0.1   | -4.8  |
| 2.81 | 2.2  | -1.7 | -1.3 | 72      | -1.3 | 1.8  | 9.9  | 4         | 5         | 81       | 0.0  | -0.7 | 0.9  | -0.5 | H1.0 | 1.0  | P0.8 | L0.1 | 0.7  | -1.1 | -0.5 | 0.2  | D0.3 | C1.5 | S0.5 | C1.2   | C0.6   | -2.2  |
| 3.07 | 3.9  | 0.1  | -3.0 | 95      | -1.8 | 1.8  | 10.8 | 57        | 1,081     | 99       | 0.9  | 0.8  | -0.1 | 0.6  | L1.1 | 0.1  | S0.5 | L0.2 | 0.3  | 0.8  | 0.6  | 0.5  | S0.3 | C0.7 | S0.3 | C1.1   | C0.5   | 3.9   |
| 2.78 | 2.9  | -0.2 | 2.9  | 78      | 4.6  | 6.7  | 3.1  | 160       | 498       | 82       | -1.3 | -2.4 | -1.0 | -1.2 | H0.4 | -1.1 | P1.1 | S1.0 | -0.2 | -0.5 | -1.0 | -0.2 | S1.0 | W0.6 | L1.4 | W1.4   | B0.1   | -2.2  |
| 2.72 | 7.4  | 2.8  | 3.8  | 80      | 4.0  | 5.1  | 9.6  | 31        | 71        | 91       | 0.6  | -0.3 | -0.2 | -0.1 | H1.3 | 0.1  | P0.9 | S1.5 | 2.6  | -0.5 | -1.8 | 0.1  | S2.7 | C0.6 | S0.1 | C0.7   | C0.7   | 6.7   |
| 3.09 | 2.4  | 0.2  | -1.6 | 70      | -1.0 | 0.2  | 8.3  | 4         | 10        | 82       | 0.3  | -1.2 | 0.0  | 0.8  | L1.6 | -1.1 | P0.2 | L1.0 | -1.2 | 1.3  | 1.0  | 1.1  | D2.0 | W1.3 | L0.6 | W1.2   | B0.1   | -2.4  |
| 3.09 | 3.7  | -0.5 | 0.7  | 75      | 2.1  | 2.7  | 7.8  | 15        | 102       | 92       | 1.0  | 1.1  | 0.4  | 0.6  | H0.7 | 0.5  | P1.1 | S1.3 | 2.0  | 1.2  | 0.4  | -0.3 | S1.3 | C0.9 | S0.5 | C0.5   | C0.2   | 9.5   |
| 2.88 | 4.4  | 2.0  | 2.5  | 70      | 2.9  | 2.7  | 8.3  | 1         | 3         | 80       | 0.8  | 0.5  | 0.8  | 0.7  | H0.9 | 1.0  | S0.4 | 0.0  | 1.8  | 1.5  | 1.1  | 0.4  | S0.3 | W0.9 | L1.0 | W1.4   | B0.2   | 6.4   |
| 2.84 | 2.1  | -0.3 | 3.5  | 68      | 5.0  | 2.3  | 2.8  | 56        | 77        | 79       | -1.8 | -2.3 | -1.2 | -0.7 | H0.4 | -1.2 | S0.8 | L0.5 | -3.2 | -2.5 | -2.0 | -0.2 | D1.3 | W1.7 | S0.2 | W1.1   | C1.3   | -17.6 |
| 2.86 | 2.3  | 0.4  | 4.5  | 77      | 4.2  | 3.2  | 3.4  | 112       | 338       | 82       | -0.4 | -1.4 | -0.5 | 0.2  | L1.8 | -0.2 | S0.2 | L0.4 | -1.2 | -0.6 | -0.9 | -1.3 | D1.4 | W1.8 | S1.0 | W2.3   | C1.3   | -9.3  |
| 3.01 | 3.8  | 2.8  | 3.2  | 72      | 3.6  | 2.7  | 8.7  | 2         | 4         | 81       | -0.2 | -1.1 | -0.3 | 0.2  | L1.0 | -0.9 | S0.6 | L0.8 | -0.5 | 0.7  | 0.1  | 0.7  | D0.7 | W0.6 | S0.4 | W0.4   | B0.1   | 0.5   |
| 3.00 | 2.5  | 0.5  | 0.7  | 93      | 1.3  | 2.9  | 9.9  | 108       | 801       | 99       | 1.6  | 1.1  | -0.5 | 1.9  | L0.9 | -0.3 | P1.3 | S1.4 | 0.8  | 2.0  | 1.7  | 0.3  | 0.0  | C0.6 | S0.7 | C1.2   | B0.6   | 9.8   |
| 2.77 | 0.1  | 0.2  | 0.1  | 80      | 2.1  | 0.1  | 4.6  | 126       | 327       | 83       | -1.1 | -0.8 | -0.5 | 0.1  | L1.9 | -0.9 | S0.9 | L1.0 | -3.1 | -0.7 | -0.8 | 0.6  | D1.7 | C1.1 | S0.1 | C1.6   | C0.6   | -9.3  |
| 3.04 | 1.9  | 2.0  | -0.8 | 87      | 0.3  | 1.2  | 7.9  | 29        | 149       | 95       | 0.3  | 0.0  | -1.1 | 0.5  | L2.2 | -1.1 | S1.1 | L1.1 | 0.0  | 1.0  | 0.1  | 0.5  | S0.6 | C2.0 | S2.4 | C2.0   | C1.1   | 6.4   |
| 2.95 | 2.2  | 0.6  | 0.3  | 71      | 1.2  | 2.1  | 9.1  | 9         | 29        | 86       | 1.7  | 1.1  | 0.6  | 1.2  | L1.4 | 0.1  | P0.3 | S0.3 | 1.0  | 1.3  | 1.2  | 0.5  | S0.2 | C1.1 | S0.4 | C1.7   | C0.3   | 7.2   |
| 2.91 | 2.4  | 1.1  | -1.3 | 79      | -1.7 | 2.5  | 7.0  | 25        | 114       | 93       | 0.8  | 0.5  | 0.7  | 0.3  | L1.1 | 0.0  | S0.5 | S0.4 | 0.4  | 0.1  | -0.7 | 0.9  | S0.6 | C0.8 | L0.4 | C1.1   | C0.7   | 1.6   |
| 2.84 | 2.9  | -2.1 | 0.5  | 97      | 1.2  | 1.2  | 10.3 | 387       | 2,082     | 99       | 2.1  | 0.9  | -0.6 | 2.1  | H0.3 | 0.3  | S0.9 | L0.2 | 2.0  | 2.1  | 2.2  | 2.1  | S1.7 | C2.9 | L0.1 | C2.6   | B1.4   | 17.3  |
| 2.97 | 2.0  | 1.0  | 1.9  | 82      | 3.9  | 3.8  | 9.1  | 27        | 105       | 93       | 0.6  | 0.5  | 0.4  | 0.5  | H1.5 | 0.9  | S0.6 | S0.4 | 1.1  | 0.2  | 0.3  | 0.5  | S1.3 | C1.5 | L0.2 | C1.4   | B0.3   | 6.2   |
| 3.13 | 3.7  | 0.7  | 1.7  | 98      | 3.8  | 4.3  | 8.7  | 106       | 2,773     | 99       | 0.7  | 1.0  | 1.3  | 0.3  | L0.3 | 1.5  | S0.8 | S0.2 | 1.6  | 0.7  | -0.5 | -0.4 | D0.2 | C0.5 | L1.0 | C0.1   | C0.5   | 2.4   |
| 2.73 | 4.2  | 1.5  | 3.1  | 77      | 3.2  | -0.2 | 8.1  | 17        | 27        | 85       | 0.8  | -0.1 | -0.2 | 0.5  | H1.0 | 0.4  | P0.2 | S0.5 | 1.5  | 0.8  | 0.0  | 0.5  | S1.0 | C0.2 | L0.9 | 0.0    | B0.1   | 6.0   |
| 3.04 | 3.0  | 1.4  | 6.8  | 77      | 7.9  | 4.4  | 3.2  | 120       | 266       | 81       | -0.9 | -1.4 | 0.4  | -0.8 | L0.8 | -0.2 | S1.0 | S0.1 | -0.3 | -0.6 | -0.8 | -1.2 | D1.5 | W1.5 | L0.6 | W1.6   | C0.3   | -7.7  |
| 2.96 | -0.5 | -2.8 | -2.6 | 88      | -2.0 | 2.6  | 9.0  | 26        | 154       | 94       | 0.9  | 2.5  | 0.4  | 2.5  | L1.6 | 0.1  | S1.0 | 0.0  | -2.1 | 0.8  | 2.0  | 1.7  | D1.8 | C3.0 | S1.1 | C2.5   | C0.3   | -0.5  |
| 2.84 | 2.0  | -0.3 | -3.4 | 81      | -3.0 | 1.1  | 8.7  | 35        | 92        | 92       | 0.3  | -0.5 | 0.4  | 0.3  | H0.1 | 0.2  | S0.4 | L0.2 | 0.8  | -0.1 | -1.0 | -0.6 | S0.7 | W0.7 | L0.9 | W1.0   | B0.3   | 0.7   |
| 2.82 | 1.3  | -1.6 | 1.2  | 80      | 4.9  | 4.1  | 4.0  | 121       | 394       | 83       | -0.8 | -1.7 | -0.4 | -0.7 | H2.1 | -0.6 | P0.1 | S0.1 | 0.0  | -0.9 | -0.2 | -0.5 | S0.3 | W1.8 | S0.3 | W1.3   | B0.5   | -2.5  |
| 3.26 | 2.7  | 1.7  | 0.1  | 89      | 0.3  | 1.3  | 8.3  | 42        | 538       | 98       | 1.1  | 0.1  | 0.7  | 1.4  | H1.1 | 0.8  | S0.2 | S0.5 | 0.5  | 0.2  | 0.9  | 1.5  | D0.8 | C0.6 | L1.5 | C1.5   | 0.0    | 0.1   |
| 2.89 | 1.0  | -0.9 | 2.5  | 81      | 1.5  | 1.5  | 3.2  | 194       | 678       | 84       | -0.6 | -0.9 | 0.0  | 0.3  | L1.5 | -0.2 | P0.1 | L0.5 | -1.6 | -1.2 | -0.8 | -1.1 | D0.8 | C0.5 | S0.7 | W0.7   | C1.9   | -10.2 |
| 2.85 | 2.1  | -1.5 | 2.4  | 70      | 2.6  | 1.7  | 3.5  | 52        | 75        | 80       | -1.4 | -1.8 | -0.4 | -0.7 | L0.2 | -0.7 | S0.1 | L0.6 | -1.4 | -1.2 | -1.5 | -1.0 | D0.3 | W2.1 | S0.1 | W1.9   | C1.0   | -9.6  |
| 2.91 | 1.3  | -2.7 | 2.0  | 74      | 3.0  | -1.5 | 3.2  | 108       | 195       | 81       | -0.6 | -0.1 | -0.2 | 0.4  | H2.1 | 0.3  | P1.3 | S0.6 | -0.3 | 0.0  | 0.2  | -0.6 | S0.6 | W0.7 | S0.5 | W0.8   | C0.2   | 0.1   |
| 2.81 | 0.4  | 0.8  | 1.9  | 80      | 3.4  | 3.3  | 2.6  | 164       | 517       | 85       | -0.7 | -0.8 | 0.0  | -0.7 | L0.5 | 0.3  | P0.5 | S0.3 | -0.7 | -0.8 | -1.1 | 0.7  | S0.8 | C0.9 | 0.0  | C0.5   | B0.5   | -0.7  |
| 2.87 | 0.6  | 0.1  | -2.4 | 85      | -2.4 | -1.6 | 9.9  | 21        | 98        | 92       | 0.7  | 1.0  | 1.4  | 0.8  | H0.2 | 1.0  | S0.2 | S0.4 | 0.6  | 0.7  | 1.0  | 0.3  | D0.7 | C0.4 | 0.0  | W0.1   | C0.4   | 1.4   |
| 3.02 | 1.1  | 0.0  | 3.7  | 80      | 3.2  | 1.1  | 2.7  | 166       | 560       | 82       | -1.1 | -1.4 | 0.5  | -1.1 | H1.1 | 0.2  | P0.4 | S0.5 | 0.5  | -0.9 | -0.8 | -2.0 | D0.6 | W2.8 | S0.2 | W3.2   | C0.2   | -6.3  |
| 2.73 | 3.8  | -1.3 | 2.6  | 81      | 2.6  | 2.7  | 4.7  | 160       | 454       | 84       | -0.7 | -1.0 | -0.5 | -0.8 | H1.1 | -0.8 | S0.3 | S0.6 | 0.8  | -0.2 | -0.4 | 0.1  | S2.9 | W1.9 | S0.2 | W1.9   | B0.1   | 4.7   |
| 2.91 | 2.1  | 0.5  | 5.0  | 78      | 5.5  | 5.2  | 2.5  | 140       | 346       | 81       | -1.2 | -1.6 | -0.6 | -0.7 | L0.4 | -1.0 | S1.5 | L0.9 | -1.3 | -0.9 | -0.7 | 0.5  | D0.7 | W1.1 | L1.1 | W0.5   | C0.6   | -8.2  |
| 3.00 | 4.8  | 5.3  | 4.6  | 92      | 4.7  | 2.9  | 7.7  | 23        | 195       | 96       | 0.0  | 0.3  | 0.3  | -0.8 | H0.3 | 0.9  | P0.2 | L0.3 | 1.0  | -1.2 | -1.3 | -0.6 | S2.1 | W0.6 | S0.8 | W0.6   | C0.9   | 0.3   |
| 2.81 | 1.9  | -1.5 | 1.3  | 73      | 0.4  | -1.6 | 2.8  | 0         | 0         | 71       | -1.2 | -0.3 | 0.4  | -0.9 | H0.9 | 0.3  | P0.1 | S0.6 | 0.3  | -0.9 | -0.5 | -1.6 | S0.3 | W2.1 | 0.0  | W2.6   | C0.9   | -5.5  |
| 2.70 | 2.9  | 0.8  | 3.8  | 81      | 2.8  | 1.6  | 4.6  | 161       | 482       | 83       | -0.4 | 0.6  | -0.5 | -0.1 | L1.1 | 0.7  | 0.0  | S0.3 | -0.3 | -1.0 | -1.2 | -1.2 | S2.4 | W0.1 | S0.3 | W0.8   | C0.7   | -0.8  |
| 2.92 | 1.0  | -0.5 | 0.9  | 85      | 1.3  | 3.1  | 9.6  | 7         | 55        | 92       | 0.0  | 0.4  | 0.9  | -0.4 | L0.5 | 0.5  | S0.1 | S0.9 | 0.8  | -1.2 | -0.6 | 0.1  | S0.5 | C1.4 | S0.4 | C0.8   | C0.4   | -1.0  |
| 2.81 | 2.1  | 0.7  | 2.5  | 82      | 2.9  | 2.1  | 3.0  | 221       | 965       | 83       | -0.3 | -0.1 | 0.4  | -0.4 | H1.5 | 0.7  | 0.0  | S0.8 | 0.1  | -0.4 | -0.2 | -0.2 | S1.5 | W0.5 | S1.0 | W0.5   | B0.4   | 2.7   |
| 2.78 | 1.3  | -0.5 | 3.8  | 76      | 3.7  | 3.3  | 2.3  | 147       | 319       | 80       | -1.6 | -1.7 | -0.7 | -0.8 | L1.2 | -1.5 | S0.7 | L1.2 | -2.2 | -1.9 | -2.1 | -0.2 | D0.5 | W1.4 | S0.2 | W1.0   | C0.6   | -11.7 |
| 3.11 | 1.4  | 1.1  | -2.4 | 78      | -2.4 | -1.4 | 10.1 | 6         | 58        | 89       | 1.1  | -0.4 | -0.5 | 1.3  | H0.3 | -0.8 | P0.2 | L0.3 | 1.2  | 2.0  | 1.1  | -0.7 | S1.0 | C0.7 | S0.2 | W0.2   | B0.1   | 9.9   |
| 2.99 | 0.1  | -2.5 | 3.1  | 80      | 2.6  | -1.9 | 3.0  | 170       | 686       | 82       | -0.5 | 0.7  | 0.7  | -0.3 | H0.1 | -0.2 | P0.7 | S0.3 | -0.4 | -0.5 | -0.5 | 0.3  | S1.7 | W1.2 | L1.1 | W0.5   | C0.2   | -0.8  |
| 3.07 | 1.7  | -0.9 | -1.3 | 79      | -0.5 | 1.2  | 7.5  | 15        | 34        | 89       | 1.0  | 1.9  | 1.6  | 1.1  | L0.4 | 1.3  | P1.4 | S0.5 | 1.5  | 1.3  | 1.5  | -0.7 | S0.2 | C1.7 | L0.8 | C0.8   | C0.5   | 5.8   |
| 2.78 | 6.0  | 2.9  | 1.9  | 91      | 3.2  | 3.1  | 8.6  | 50        | 566       | 98       | 0.5  | 0.9  | 0.7  | 0.3  | H1.3 | 0.8  | P0.3 | S0.7 | 1.0  | 0.9  | 0.6  | -0.1 | D0.4 | W0.6 | L1.3 | W1.7   | B0.7   | 2.2   |
| 2.97 | 1.6  | 0.8  | 1.1  | 75      | 0.6  | 0.0  | 7.2  | 33        | 63        | 82       | 0.0  | -0.3 | -0.2 | -0.2 | L1.1 | 0.2  | S0.3 | 0.0  | -0.3 | 0.1  | 0.0  | -0.7 | D0.4 | W1.9 | L0.7 | W2.1   | 0.0    | -3.3  |
| 2.88 | 2.0  | -2.3 | -4.1 | 76      | -3.4 | 1.0  | 8.7  | 7         | 30        | 86       | 0.6  | -0.6 | 0.8  | 0.9  | H1.2 | 0.4  | P1.1 | S0.4 | -0.2 | 0.4  | 1.4  | 0.9  | D1.4 | W0.6 | L1.6 | W0.4   | B0.8   | -1.8  |
| 2.93 | -0.1 | -2.0 | 0.7  | 99      | -0.1 | -2.9 | 7.4  | 157       | 1,617     | 99       | -0.6 | -1.5 | -0.2 | 0.0  | L1.2 | -1.5 | S1.0 | L1.2 | -1.9 | -0.1 | 0.4  | 0.4  | D2.9 | W0.7 | L1.3 | W0.3</ |        |       |

**Herd Register or Generation Count 4-6 and BBR 100: Active (A) and Foreign (F) Bulls Marketed in US by JPI  
December 2020**

| ST | Name of Bull                        | Registration Number | GT  | BBR | JH1 | JNS | NAAB Code  | JPI  | No. Hrs | No. Daus | REL % | % Milk | % Fat | Fat | Prot  | Prot | CM\$ | NM\$ | FM\$ |
|----|-------------------------------------|---------------------|-----|-----|-----|-----|------------|------|---------|----------|-------|--------|-------|-----|-------|------|------|------|------|
| A  | HILMAR CALYPSO CHEWBACCA (5)        | USA 119552708       | 29K | 100 | F   |     | 100JE7374  | 49   | 11      | 45       | 89    | 789    | -0.17 | 0   | -0.07 | 14   | 150  | 161  | 189  |
| A  | BW PAXTON-ET                        | USA 119446229       | 99K | 100 | F   | C   | 551JE1649  | 48   | 12      | 328      | 96    | 175    | 0.03  | 14  | 0.03  | 12   | 157  | 143  | 114  |
| A  | PEARL MOUNT AMAZING MEMORY          | USA 067208570       | 80K | 100 | F   | C   | 11JE1243   | 47   | 45      | 419      | 98    | 1509   | -0.05 | 62  | -0.04 | 46   | 286  | 289  | 295  |
| A  | RIVER VALLEY PF MEGAPOWER-ET        | 840003012423848     | 80K | 100 | C   |     | 7JE5011    | 46   | 158     | 1,152    | 99    | 408    | 0.16  | 54  | 0.02  | 19   | 242  | 234  | 214  |
| A  | TOG ZORRO-PP-ET                     | 840003125202110     | 13K | 100 | F   |     | 54JE626    | 43   | 5       | 32       | 88    | -899   | 0.23  | 4   | 0.08  | -16  | 199  | 177  | 132  |
| A  | KASH-IN SOLAR-PP-ET                 | 840003126234075     | 99K | 100 | F   |     | 7JE1499    | 42   | 87      | 275      | 96    | 74     | 0.14  | 33  | 0.10  | 25   | 218  | 182  | 103  |
| A  | JX AHLEM BRUNO (5)-ET               | USA 074067613       | 99K | 100 | F   |     | 551JE1654  | 42   | 36      | 439      | 97    | 557    | -0.05 | 16  | -0.01 | 19   | 131  | 128  | 122  |
| A  | MFV ALTACHIVE-ET                    | USA 119691058       | 99K | 100 | F   | C   | 11JE1326   | 40   | 23      | 249      | 95    | 668    | -0.10 | 11  | 0.03  | 30   | 209  | 196  | 165  |
| A  | STEINHAUERS SAMSON LEMONHEAD        | USA 118662185       | 80K | 100 | F   |     | 14JE670    | 40   | 891     | 6,913    | 99    | -339   | 0.17  | 19  | 0.07  | 3    | 216  | 191  | 139  |
| A  | SUNSET CANYON DAUPHIN-ET            | USA 119244292       | 13K | 100 | F   |     | 147JE6225  | 37   | 3       | 51       | 92    | 1      | 0.35  | 74  | 0.11  | 24   | 260  | 221  | 135  |
| A  | JX SEXING WALTER CRANSTON 60790 (5) | 840003010364537     | 50K | 100 | F   |     | 551JE1642  | 37   | 5       | 12       | 82    | -35    | 0.21  | 42  | 0.10  | 20   | 235  | 199  | 121  |
| A  | JER-Z-BOYZ CRIS (6)-P-ET            | USA 118125701       | 50K | 100 | C   |     | 203JE1388  | 35   | 123     | 1,437    | 99    | -661   | 0.18  | 5   | 0.06  | -12  | 86   | 73   | 44   |
| A  | ISAU BUSHLEA PN VIRAL-ET            | AUS 000705410       | 99K | 100 | F   |     | 200JE1817  | 34   | 100     | 170      | 90    | -746   | 0.27  | 19  | 0.10  | -6   | 180  | 158  | 106  |
| A  | JX BW COUNTDOWN (5)-ET              | 840003131148667     | 99K | 100 | F   |     | 551JE1667  | 31   | 15      | 182      | 95    | 256    | -0.06 | 0   | 0.03  | 15   | 90   | 77   | 49   |
| A  | CRF LEGAL PROMISE                   | USA 117722352       | 50K | 100 | F   | C   | 203JE1347  | 30   | 235     | 3,574    | 99    | -796   | 0.12  | -13 | 0.09  | -10  | 83   | 61   | 13   |
| A  | HILMAR PAUL BRONCO (5)-ET           | USA 118381604       | 80K | 100 | F   |     | 147JE6219  | 27   | 7       | 90       | 94    | 320    | 0.06  | 28  | 0.06  | 24   | 116  | 93   | 43   |
| A  | MULTI-ROSE CREDIBULL COMET-PP-ET    | 840003014373525     | 13K | 100 | F   |     | 54JE625    | 27   | 7       | 29       | 87    | 250    | 0.07  | 28  | 0.00  | 10   | 139  | 135  | 126  |
| A  | ISDK Q IMPULS                       | DNK 000301592       | HD  | 100 | F   |     | 236JE3     | 27   | 3,341   | 32,742   | 99    | -490   | 0.17  | 11  | 0.12  | 6    | 67   | 35   | -36  |
| A  | HILMAR PAUL RANCHO (5)              | USA 118378707       | 8K  | 100 | F   |     | 147JE6220  | 26   | 7       | 60       | 92    | 29     | 0.16  | 35  | 0.08  | 19   | 155  | 127  | 64   |
| F  | ISNZ BRAEDENE PAS TRIPLESTAR        | NZL 000313516       | 50K | 100 | F   |     | 97JE13516  | 24   | 519     | 2,954    | 67    | -1342  | 0.45  | 25  | 0.24  | -2   | 100  | 41   | -90  |
| A  | HEARTLAND IRWIN TEXAS-ET            | USA 067312531       | 80K | 100 | F   |     | 7JE1354    | 23   | 583     | 6,132    | 99    | 60     | -0.14 | -26 | 0.01  | 4    | 57   | 54   | 48   |
| A  | DUTCH HOLLOW VOLCANO CHARLES        | 840003008461617     | 50K | 100 | F   |     | 151JE19    | 20   | 67      | 676      | 99    | 716    | -0.04 | 25  | -0.03 | 20   | 58   | 60   | 66   |
| A  | HILMAR SPARKY ATLAS (5)-ET          | USA 119268647       | 29K | 100 | F   |     | 100JE7367  | 20   | 6       | 35       | 90    | 23     | 0.05  | 11  | 0.03  | 7    | 91   | 82   | 61   |
| A  | JX WILSONVIEW MARVEL SOUL (4)-ET    | USA 118313166       | 8K  | 100 | F   |     | 203JE1422  | 20   | 23      | 206      | 96    | 33     | 0.07  | 16  | 0.00  | 2    | 104  | 103  | 102  |
| F  | SUNNYDAWN OLYMPIAN                  | GBR 000058862       | 8K  | 100 | C   |     | 224JE2370  | 19   | 54      | 169      | 84    | -787   | 0.18  | -1  | 0.10  | -8   | 40   | 14   | -44  |
| A  | DUTCH HOLLOW OLIVER-P               | USA 067184544       | 50K | 100 | F   |     | 7JE1219    | 18   | 925     | 6,276    | 99    | 368    | 0.01  | 19  | -0.04 | 4    | 131  | 142  | 167  |
| A  | ELLIOTTS REGENCY CASINO-ET          | 840003125141657     | 50K | 100 | F   |     | 14JE725    | 16   | 281     | 1,387    | 99    | -441   | 0.09  | -3  | 0.12  | 8    | 128  | 96   | 25   |
| F  | ALL LYNNS VERNON MACARTHUR-ET       | USA 118612153       | 80K | 100 | F   |     | 202JE601   | 15   | 21      | 27       | 84    | -376   | 0.17  | 18  | 0.07  | 0    | 54   | 39   | 4    |
| A  | OAKLANE DAZZLER DISCO 2127-ET       | USA 067742127       | 99K | 100 | F   |     | 7JE1528    | 14   | 233     | 3,007    | 99    | -463   | 0.04  | -14 | 0.01  | -14  | 93   | 92   | 90   |
| F  | ISDK VJ JANUS                       | DNK 000303458       | 50K | 100 | C   |     | 236JE168   | 13   | 75      | 140      | 88    | -1493  | 0.34  | -5  | 0.16  | -23  | 29   | -7   | -87  |
| A  | DUTCH HOLLOW SANTANA CASE-PP-ET     | 840003131737417     | 29K | 100 | F   |     | 54JE636    | 12   | 2       | 10       | 82    | 567    | -0.11 | 4   | -0.01 | 19   | 86   | 84   | 78   |
| A  | ALL LYNNS LOUIE VALENTINO-ET        | USA 116279413       | 50K | 100 | C   |     | 7JE1038    | 9    | 2,356   | 21,094   | 99    | 274    | -0.09 | -7  | -0.03 | 4    | 89   | 95   | 109  |
| A  | AHLEM BALIN-ET                      | USA 072520700       | 80K | 100 | F   |     | 200JE1014  | 9    | 286     | 998      | 98    | -1133  | 0.12  | -31 | 0.02  | -38  | -2   | 0    | 7    |
| F  | ISNZ OKURA LIKA MURMUR S3J (5)      | NZL 000306549       | 29K | 100 | F   |     | 97JE6549   | 8    | 4,225   | 37,358   | 97    | -737   | 0.15  | -5  | 0.11  | -4   | -52  | -81  | -146 |
| F  | GLANMOR BELMONT WELSH WIZARD        | GBR 000055719       | 8K  | 100 | F   |     | 224JE2293  | 5    | 82      | 200      | 85    | -669   | 0.11  | -9  | 0.04  | -16  | -35  | -43  | -61  |
| A  | SUNSET CANYON MEGATRON-ET           | USA 117763696       | 50K | 100 | C   |     | 147JE6209  | 1    | 126     | 1,972    | 99    | 66     | 0.28  | 63  | 0.06  | 16   | 104  | 84   | 38   |
| F  | ISNZ RIVERINA RONALDO CHAMP         | NZL 000314516       | 50K | 100 | F   |     | 97JE14516  | 1    | 35      | 92       | 58    | -1651  | 0.46  | 10  | 0.25  | -11  | -19  | -79  | -214 |
| F  | ISDK VJ RODME NYGAARD RODME         | DNK 000303952       | 50K | 100 | F   |     | 236JE169   | 0    | 832     | 3,544    | 90    | -905   | 0.33  | 24  | 0.14  | -5   | 24   | -12  | -92  |
| A  | JER-Z-BOYZ PRECEDENCE (6)           | USA 117950126       | 50K | 100 | F   |     | 151JE17    | -5   | 4       | 137      | 94    | -814   | 0.27  | 15  | 0.08  | -14  | 7    | -8   | -44  |
| A  | ALL LYNNS LOUIE VARICK-ET           | USA 116279404       | 50K | 100 | F   |     | 203JE1081  | -13  | 19      | 135      | 96    | 742    | -0.22 | -12 | -0.08 | 10   | -105 | -81  | -31  |
| F  | ISNZ GLEN LEITH DEGREE OMNIBUS      | NZL 000314502       | 50K | 100 | F   |     | 97JE14502  | -15  | 71      | 194      | 75    | -1002  | 0.32  | 16  | 0.11  | -14  | -72  | -96  | -149 |
| A  | RIVER VALLEY VICTORIOUS-ET          | 840003126479524     | 99K | 100 | F   |     | 7JE5032    | -24  | 232     | 1,009    | 98    | -886   | 0.17  | -8  | 0.10  | -12  | -42  | -66  | -118 |
| A  | ENNISKILLEN ENGINEER 401            | CAN 012038719       | 99K | 100 | F   |     | 224JE2479  | -25  | 5       | 11       | 82    | -1335  | 0.22  | -21 | 0.06  | -36  | -47  | -50  | -61  |
| F  | RIBBLESDALE BEAUMONT                | GBR 000055792       | 63K | 100 | F   |     | 224JE2336  | -26  | 68      | 192      | 86    | -1508  | 0.40  | 6   | 0.16  | -23  | -69  | -104 | -182 |
| A  | AHLEM VALENTINO MAUI 21838          | USA 068951472       | 50K | 100 | C   |     | 203JE1385  | -32  | 172     | 1,559    | 99    | -162   | -0.16 | -42 | -0.08 | -23  | -112 | -81  | -15  |
| F  | CLOONEY CONQUERER-ET                | GBR 000055781       | 8K  | 100 | F   |     | 224JE2329  | -33  | 48      | 138      | 84    | -927   | 0.19  | -7  | 0.08  | -18  | -121 | -138 | -174 |
| A  | ISAU BROADLIN AUSSIEGOLD-P-ET       | AUS A00020434       | 50K | 100 | F   |     | 160JE3004  | -46  | 284     | 1,665    | 87    | -867   | 0.23  | 4   | 0.11  | -9   | -73  | -101 | -162 |
| A  | HILMAR MERCHANT MANUEL              | USA 117577466       | 50K | 100 | F   |     | 147JE6210  | -50  | 6       | 50       | 92    | -663   | 0.14  | -4  | -0.01 | -26  | -176 | -168 | -150 |
| F  | POTTERS WALLS STARBUCK              | GBR 000055607       | 8K  | 100 | F   |     | 224JE2275  | -50  | 116     | 237      | 85    | -1549  | 0.38  | 1   | 0.12  | -34  | -158 | -178 | -223 |
| F  | SAXOWN KAISER CHIEF                 | GBR 000055717       | 8K  | 100 | F   |     | 224JE2316  | -55  | 72      | 170      | 84    | -506   | -0.05 | -35 | 0.00  | -19  | -196 | -188 | -173 |
| A  | STEINHAUERS IATOLA APPLEJACK        | USA 115488982       | 50K | 100 | F   |     | 11JE968    | -58  | 552     | 3,653    | 99    | -921   | 0.11  | -23 | 0.06  | -21  | -228 | -232 | -245 |
| F  | FOURCROSSES ONTIME STAG             | GBR 000055596       | 8K  | 100 | F   |     | 224JE2284  | -77  | 80      | 188      | 85    | -1181  | 0.06  | -46 | 0.05  | -34  | -304 | -302 | -302 |
| A  | RIVER VALLEY RICKI ROCKSTAR         | 840003126479237     | 99K | 100 | F   |     | 200JE10009 | -77  | 36      | 80       | 92    | -1378  | 0.12  | -43 | 0.03  | -45  | -251 | -244 | -231 |
| A  | ROYALTY RIDGE MB FULL THROTTLE      | USA 118534918       | 80K | 100 | F   |     | 147JE6221  | -80  | 15      | 37       | 91    | -1673  | 0.15  | -52 | 0.07  | -48  | -266 | -269 | -276 |
| A  | TRIPLE-T-CF MR SWAGGER-ET           | 840003128791561     | 99K | 100 | F   |     | 7JE1605    | -90  | 11      | 20       | 86    | -2367  | 0.36  | -47 | 0.18  | -52  | -250 | -276 | -337 |
| A  | RIVER VALLEY VENUS V I P-ET         | 840003126479167     | 99K | 100 | F   |     | 777JE10003 | -94  | 111     | 267      | 95    | -2197  | 0.25  | -58 | 0.10  | -61  | -300 | -306 | -322 |
| A  | TOWER VUE PRIME TEQUILA-ET          | USA 114816452       | HD  | 100 | F   |     | 76JE156    | -202 | 1,589   | 5,611    | 99    | -2029  | 0.22  | -56 | 0.09  | -57  | -585 | -583 | -585 |

**Herd Register or Generation Count 4-6 and BBR 100: Active (A) and Foreign (F) Bulls Marketed in US by JPI  
December 2020**

| SCS  | PL   | LIV  | DPR  | DPR REL | CCR  | HCR  | EFI  | Type Hrds | Type Daus | Type REL | FS   | ST   | SR   | DF   | RA   | RW   | RL   | FA   | FU   | RH   | RWU  | UC   | UD   | TP   | TL   | RTP RV | RTP SV | JUI   |
|------|------|------|------|---------|------|------|------|-----------|-----------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-------|
| 2.81 | 2.5  | -1.5 | 1.1  | 73      | 2.6  | 2.1  | 7.8  | 3         | 10        | 81       | 1.1  | 1.4  | 0.0  | 1.5  | H0.5 | 0.6  | S0.6 | S0.5 | 2.2  | 2.5  | 0.4  | -0.7 | S2.1 | W0.2 | L0.7 | W1.1   | B1.2   | 14.8  |
| 2.84 | 2.2  | -0.1 | -1.0 | 82      | -0.8 | 1.8  | 10.0 | 3         | 107       | 92       | 0.1  | -1.1 | -0.4 | -0.9 | H0.3 | -0.2 | S0.4 | L0.2 | 1.9  | -0.3 | -0.8 | -0.8 | S1.7 | C0.2 | S1.1 | W0.4   | 0.0    | 5.5   |
| 3.25 | -1.7 | -1.7 | -2.9 | 88      | -2.8 | -2.6 | 8.1  | 25        | 231       | 96       | 0.7  | 1.3  | 1.3  | 0.4  | H0.2 | 1.6  | S0.2 | S0.4 | 0.5  | 0.8  | 0.3  | 0.7  | D0.1 | C0.8 | S0.1 | C0.7   | 0.0    | 3.9   |
| 3.13 | -0.2 | -2.6 | -1.5 | 93      | -0.2 | 0.3  | 8.6  | 104       | 611       | 98       | 1.1  | 1.7  | 0.9  | 1.3  | 0.0  | 0.5  | S0.8 | L0.5 | 1.5  | 1.5  | 0.8  | 1.5  | S0.1 | C0.9 | L1.9 | C0.2   | B0.7   | 7.1   |
| 2.78 | 4.9  | 1.9  | 2.6  | 71      | 2.6  | 0.3  | 8.6  | 7         | 30        | 86       | 0.6  | 0.9  | 0.2  | 0.2  | H0.3 | 0.1  | P0.4 | S1.5 | 0.5  | 0.8  | -0.7 | 0.9  | S2.0 | W0.7 | L0.6 | W0.3   | B0.5   | 6.8   |
| 3.05 | 0.2  | -1.0 | -2.0 | 84      | -1.5 | -0.2 | 9.3  | 43        | 151       | 94       | 0.7  | 1.9  | -0.2 | 1.5  | H0.5 | 0.8  | S0.9 | L0.7 | 0.2  | 0.2  | -0.2 | 0.4  | S1.1 | C0.2 | S0.5 | C1.0   | C1.2   | 2.3   |
| 3.07 | 0.8  | -2.1 | -1.0 | 86      | -0.1 | 2.2  | 8.6  | 16        | 103       | 92       | 0.6  | -0.4 | -0.8 | 0.5  | H0.7 | -0.5 | S0.6 | S0.2 | 0.8  | -0.2 | -0.5 | 1.0  | S1.7 | C0.9 | L0.6 | C1.2   | 0.0    | 4.3   |
| 3.14 | 2.3  | -1.8 | -1.6 | 79      | -0.7 | 1.7  | 10.6 | 8         | 33        | 86       | 1.1  | 1.1  | 0.8  | 0.8  | H0.8 | 0.9  | P0.9 | S1.3 | 1.3  | 1.6  | 1.0  | 1.3  | S1.3 | C0.7 | L0.3 | C0.7   | B1.2   | 11.6  |
| 2.81 | 1.9  | 0.7  | 0.8  | 98      | 1.9  | 0.1  | 9.4  | 472       | 3,120     | 99       | 1.0  | 3.1  | 0.3  | 0.1  | L0.7 | 1.5  | S0.2 | S0.7 | 1.6  | 0.8  | 0.3  | 0.3  | S2.5 | C1.5 | L1.1 | C0.7   | C1.3   | 7.3   |
| 2.97 | -3.0 | -2.5 | -4.0 | 76      | -3.9 | -1.4 | 8.4  | 1         | 33        | 88       | -0.7 | 0.0  | 0.4  | 0.7  | H0.6 | 0.0  | P0.3 | L0.2 | -1.0 | -0.8 | 0.6  | -0.2 | D1.9 | W0.3 | L1.3 | 0.0    | C0.1   | -8.7  |
| 2.88 | -0.7 | -3.3 | -2.7 | 71      | -3.8 | -3.1 | 8.8  | 3         | 4         | 80       | 1.0  | 0.3  | 0.0  | 0.8  | H0.8 | 0.4  | P1.2 | S0.5 | 1.9  | 1.4  | 1.0  | -0.4 | S0.8 | 0.0  | L0.8 | W0.4   | B0.2   | 7.8   |
| 2.96 | 3.1  | 1.0  | 2.0  | 96      | 2.5  | -0.6 | 8.9  | 67        | 653       | 99       | -0.6 | -2.4 | -0.8 | -0.9 | H0.2 | -0.9 | S1.5 | L0.8 | -0.1 | -0.7 | -2.0 | 0.4  | S1.9 | W0.4 | L1.0 | C0.9   | B0.3   | 1.0   |
| 3.20 | 0.6  | 0.3  | 2.5  | 72      | 1.8  | 0.2  | 8.6  | 81        | 117       | 87       | 1.1  | -0.1 | 0.0  | 1.7  | H1.6 | 0.4  | P0.7 | S1.2 | 2.1  | 1.1  | 1.2  | 0.1  | S0.4 | C1.6 | S1.0 | C1.2   | 0.0    | 9.2   |
| 2.95 | 2.3  | -1.0 | 0.9  | 80      | 1.7  | 3.5  | 8.2  | 3         | 67        | 90       | -0.5 | 1.2  | 0.7  | -0.3 | L0.1 | 0.1  | S0.1 | L0.5 | 0.1  | -1.1 | -0.7 | -0.3 | S1.3 | C0.6 | L0.1 | W0.2   | C1.3   | -2.9  |
| 3.01 | 2.2  | 4.3  | 1.4  | 98      | 0.7  | 3.2  | 9.5  | 142       | 1,388     | 99       | 0.4  | -2.6 | -0.2 | -0.6 | H0.3 | -0.6 | P0.3 | S0.2 | 0.1  | -0.4 | -1.1 | 1.9  | S1.9 | C2.0 | S0.6 | C3.3   | C0.5   | 5.0   |
| 3.02 | -1.2 | -1.6 | -2.7 | 82      | -3.2 | -1.1 | 9.0  | 4         | 41        | 89       | -0.2 | 0.0  | -0.4 | 0.5  | L0.7 | -1.4 | S1.2 | L0.4 | -2.1 | -0.3 | 0.6  | 0.8  | D1.9 | C1.1 | S0.5 | C1.1   | B0.3   | -5.4  |
| 2.99 | 0.6  | -0.1 | -2.3 | 71      | -2.5 | -0.6 | 7.6  | 7         | 27        | 85       | 0.2  | -1.1 | -0.1 | -0.3 | L0.2 | -0.1 | S0.6 | L0.3 | 1.0  | 0.6  | -0.7 | -0.1 | S1.5 | W0.5 | L0.6 | W0.6   | B0.8   | 6.0   |
| 3.07 | -0.9 | -0.7 | 2.1  | 99      | 2.7  | -0.4 | 6.2  | 1,496     | 17,904    | 99       | -1.1 | -1.1 | 0.0  | -0.6 | L0.1 | -0.6 | P0.2 | L0.1 | -1.2 | -0.6 | -1.8 | -0.9 | D1.0 | W1.3 | S0.1 | W2.0   | C0.4   | -7.8  |
| 3.06 | -1.7 | -1.6 | -2.1 | 78      | -2.7 | -0.1 | 8.6  | 4         | 21        | 85       | 0.3  | 1.5  | 0.2  | 1.3  | L0.6 | -0.4 | S0.5 | S0.3 | -1.1 | 0.1  | 0.9  | 0.9  | D1.2 | C0.8 | L0.2 | C1.2   | C0.1   | -2.6  |
| 3.12 | -1.0 | -0.3 | 4.4  | 60      | 4.2  | 0.0  | 0.3  | 82        | 446       | 57       | -1.8 | -2.5 | 2.0  | -2.3 | H1.6 | 1.2  | P0.2 | L0.3 | -1.0 | -2.3 | -1.1 | -0.5 | D2.4 | W0.5 | L0.5 | W0.7   | 0.0    | -14.0 |
| 3.04 | 2.7  | -0.9 | -1.1 | 98      | -1.4 | 2.6  | 9.5  | 334       | 1,842     | 99       | 2.0  | -1.1 | -1.0 | 1.4  | H0.3 | -0.7 | P0.8 | S0.4 | 2.6  | 3.1  | 1.2  | 0.8  | S2.9 | C1.1 | S0.5 | C1.8   | B0.7   | 21.5  |
| 3.01 | -1.7 | -4.9 | -0.8 | 92      | -1.1 | -1.0 | 9.2  | 46        | 305       | 97       | 0.1  | -0.3 | 0.0  | 0.4  | H0.6 | -0.4 | S0.6 | L0.6 | 1.3  | 0.4  | 0.2  | -1.3 | S0.5 | C0.2 | L0.2 | W0.5   | C0.2   | 2.9   |
| 3.05 | -0.2 | -0.5 | 0.0  | 75      | -0.1 | 1.5  | 9.9  | 2         | 7         | 83       | 0.4  | 0.0  | -0.2 | 0.9  | L0.5 | 0.3  | P0.5 | S0.9 | 0.2  | -0.4 | 0.0  | 0.9  | S0.1 | C2.6 | L0.4 | C2.3   | C0.8   | -0.1  |
| 3.06 | 1.6  | 1.3  | 0.0  | 85      | 0.1  | -1.1 | 7.3  | 10        | 50        | 89       | 0.4  | 0.2  | 0.4  | 0.2  | L0.4 | 0.4  | P0.3 | L0.4 | -0.5 | 0.0  | 0.3  | 0.4  | D0.4 | C0.6 | S1.0 | C1.2   | C1.1   | -1.2  |
| 2.93 | 0.6  | -0.8 | 1.6  | 76      | 2.5  | 1.1  | 7.0  | 22        | 57        | 77       | 0.4  | -1.5 | -0.7 | -0.5 | H0.3 | -0.5 | P0.3 | 0.0  | -0.3 | 0.1  | -0.4 | -0.3 | S0.4 | W1.3 | L0.5 | W1.0   | B0.1   | -0.7  |
| 2.99 | 0.4  | 0.6  | -1.7 | 98      | -2.1 | -1.5 | 9.7  | 452       | 2,244     | 99       | 1.5  | 0.6  | 0.3  | 1.0  | L1.4 | 0.0  | P0.1 | S0.7 | 0.9  | 2.5  | 2.0  | 0.3  | S0.8 | C0.4 | S0.4 | C0.6   | B0.3   | 11.8  |
| 3.13 | 1.2  | 0.2  | 0.2  | 91      | 0.1  | 1.8  | 9.5  | 166       | 621       | 98       | 1.9  | 2.3  | 1.1  | 1.6  | H0.8 | 1.4  | P0.9 | S1.2 | 2.2  | 1.8  | 0.7  | 1.6  | S1.6 | C2.5 | S1.2 | C3.2   | 0.0    | 15.6  |
| 3.15 | -0.5 | 0.7  | 0.2  | 71      | 0.8  | -0.8 | 7.2  | 0         | 0         | 79       | -0.6 | -1.3 | -0.5 | -0.6 | H0.1 | -1.0 | S0.8 | L0.5 | -0.8 | -0.7 | -1.3 | -0.5 | D0.6 | W0.1 | S0.2 | W0.8   | C0.6   | -5.9  |
| 2.92 | 4.5  | 2.4  | 0.8  | 94      | 0.8  | 2.7  | 9.6  | 150       | 1,320     | 99       | 1.3  | 2.2  | 0.3  | 0.8  | H1.9 | 1.1  | P0.8 | S1.4 | 3.4  | 0.4  | -0.9 | 0.6  | S3.6 | C1.4 | S0.4 | C1.3   | C1.0   | 12.8  |
| 2.92 | 1.2  | -1.1 | 4.2  | 75      | 5.5  | 5.4  | 4.2  | 65        | 115       | 82       | -0.5 | 1.3  | 0.4  | -0.7 | H0.7 | 0.6  | P1.1 | S0.7 | -1.0 | -0.5 | 0.1  | 1.1  | S1.3 | W1.1 | 0.0  | W0.5   | B0.5   | 0.0   |
| 3.05 | 1.3  | 0.0  | -3.3 | 69      | -3.7 | -0.3 | 9.1  | 1         | 4         | 80       | 0.8  | 1.1  | 0.6  | 0.5  | H0.1 | -0.6 | P0.1 | L0.5 | 0.9  | 1.4  | 0.6  | 0.3  | S1.1 | W0.4 | L1.8 | W0.9   | B0.9   | 6.8   |
| 2.96 | 2.5  | 3.3  | -1.9 | 99      | -2.6 | -0.1 | 12.1 | 1,120     | 9,330     | 99       | 1.1  | 1.8  | 0.5  | 0.8  | L1.5 | 0.5  | P0.6 | S0.4 | 1.3  | 1.0  | 1.8  | -0.3 | S0.8 | C0.9 | S0.7 | C1.0   | C0.7   | 6.9   |
| 2.77 | 3.4  | 2.6  | 3.2  | 90      | 2.6  | 1.1  | 9.2  | 217       | 532       | 96       | 1.5  | 2.1  | -2.2 | 1.4  | H1.5 | 0.0  | P0.2 | S1.6 | 2.6  | 1.3  | -1.1 | 2.0  | S4.4 | C1.3 | L0.4 | C2.1   | B0.8   | 18.5  |
| 2.98 | 0.1  | 0.2  | 5.1  | 91      | 4.2  | -1.0 | -0.2 | 367       | 3,602     | 95       | -2.5 | -4.3 | 1.0  | -2.6 | H0.3 | -0.1 | S0.5 | L1.3 | -2.5 | -2.7 | -1.8 | -0.8 | D4.6 | W1.5 | L0.6 | W1.5   | C0.3   | -22.8 |
| 2.90 | 0.0  | -0.9 | 2.8  | 76      | 2.6  | -0.5 | 7.1  | 36        | 79        | 77       | 0.2  | -1.4 | -1.0 | 0.7  | H1.4 | -0.4 | S0.4 | L0.6 | 0.4  | 0.7  | 1.2  | -1.2 | D1.6 | W0.5 | S0.2 | W1.4   | B0.8   | 0.0   |
| 3.13 | -3.6 | -5.5 | -5.0 | 97      | -5.0 | -2.6 | 7.2  | 87        | 861       | 99       | 0.2  | 0.6  | 0.3  | 1.2  | L0.5 | -0.9 | S0.9 | L0.8 | 0.2  | 0.6  | 0.1  | 0.4  | D0.2 | W1.3 | L1.2 | W0.8   | C0.2   | -0.3  |
| 3.05 | -2.1 | 0.2  | 2.6  | 54      | 2.3  | 0.5  | 0.3  | 23        | 67        | 48       | -1.9 | -4.5 | 1.0  | -3.2 | H1.0 | -0.3 | S0.3 | L1.2 | -0.8 | -1.7 | -1.6 | -0.6 | D2.1 | W0.7 | L0.1 | W0.8   | B0.2   | -10.9 |
| 2.96 | -1.3 | -2.5 | -1.2 | 85      | -0.2 | -0.9 | 3.1  | 324       | 1,598     | 82       | -0.5 | -0.3 | -0.1 | -0.6 | L0.6 | -0.5 | S0.7 | L1.0 | -0.2 | -1.0 | -0.9 | 0.0  | S1.2 | C0.2 | L0.9 | W0.7   | C0.3   | -2.8  |
| 3.05 | -0.4 | 0.9  | 0.5  | 79      | 0.6  | -0.8 | 7.4  | 3         | 61        | 91       | -0.9 | -0.9 | -0.1 | -0.2 | H0.8 | -0.4 | S0.1 | 0.0  | -0.5 | -1.4 | -1.1 | -0.9 | D1.0 | W0.7 | L0.5 | W0.9   | C0.5   | -9.0  |
| 3.21 | -1.1 | -0.4 | 0.3  | 85      | 1.6  | 1.3  | 9.7  | 9         | 54        | 91       | -1.0 | -0.2 | -0.4 | 0.7  | L1.0 | -0.8 | S0.1 | L0.6 | -3.4 | -0.3 | 0.7  | 0.2  | D4.0 | W2.6 | L0.6 | W2.4   | C0.7   | -16.5 |
| 3.10 | -3.3 | -0.7 | 3.4  | 59      | 3.3  | -1.9 | 1.0  | 22        | 73        | 67       | -1.6 | -1.7 | 0.8  | -1.3 | H1.0 | 0.6  | S0.5 | L0.9 | -1.9 | -1.6 | -0.7 | -0.1 | D2.9 | W1.2 | 0.0  | W1.3   | C0.2   | -14.3 |
| 2.97 | -1.0 | -2.3 | -1.3 | 91      | -1.7 | 2.0  | 8.1  | 188       | 589       | 98       | 1.5  | 1.6  | 0.3  | 0.8  | H0.2 | 0.9  | P1.1 | S0.3 | 2.5  | 2.1  | 1.0  | 0.5  | S2.6 | C2.2 | S1.2 | C1.9   | B0.5   | 18.4  |
| 3.11 | 2.7  | 2.4  | 3.2  | 69      | 2.8  | -0.6 | 7.9  | 5         | 10        | 81       | 0.4  | 0.3  | 0.1  | -0.1 | H1.4 | 0.8  | P1.3 | S1.2 | 2.1  | 0.2  | -0.6 | -0.3 | S2.1 | C0.3 | S0.6 | W0.1   | B0.1   | 8.1   |
| 3.02 | -1.5 | -0.3 | 2.5  | 78      | 2.5  | -0.6 | 5.0  | 12        | 30        | 76       | -0.5 | 1.2  | 1.0  | -0.9 | H1.0 | 0.9  | S1.1 | L0.5 | -0.2 | -1.3 | -0.9 | -0.1 | S0.7 | C0.7 | S1.5 | W0.2   | C1.1   | -3.2  |
| 3.06 | 2.9  | 2.1  | 0.7  | 95      | -0.1 | 1.5  | 9.8  | 84        | 505       | 98       | 1.3  | 0.0  | 0.6  | -0.4 | L0.9 | -0.1 | P0.9 | S1.0 | 3.3  | 1.8  | 1.2  | -0.2 | S3.8 | C0.7 | S0.3 | C0.5   | B0.3   | 18.4  |
| 2.95 | -2.4 | -2.0 | 0.5  | 76      | 0.1  | -0.8 | 8.9  | 25        | 51        | 78       | 0.3  | -0.9 | 0.1  | -0.1 | H0.4 | 0.4  | 0.0  | L0.2 | 0.9  | 0.5  | 0.4  | 0.1  | D0.2 | C1.2 | 0.0  | 0.0    | B0.6   | 3.7   |
| 2.97 | -1.2 | -1.0 | -0.8 | 86      | -2.3 | -1.5 | 7.1  | 70        | 327       | 82       | -0.2 | 0.9  | 2.2  | -0.5 | L0.8 | 1.3  | P0.1 | S0.4 | -0.6 | -0.5 | -0.1 | 0.5  | D1.9 | W0.1 | L1.0 | W0.9   | 0.0    | -7.1  |
| 2.91 | -0.9 | -1.3 | -1.1 | 77      | -0.8 | -1.4 | 7.5  | 2         | 36        | 88       | -0.3 | -1.2 | 0.3  | 0.3  | L0.4 | -0.2 | S0.6 | L0.8 | -0.2 | -0.5 | 0.2  | -0.1 | D0.9 | C0.3 | S1.2 | C1.0   | C0.7   | -2.7  |
| 2.98 | -2.5 | 0.0  | 1.1  | 77      | 1.6  | -2.2 | 4.9  | 40        | 95        | 74       | -0.8 | -0.2 | 0.7  | -1.2 | H0.8 | 0.0  | 0.0  | L0.3 | -0.8 | -0.5 | -0.4 | 0.2  | D0.9 | W0.3 | S0.8 | W0.4   | B0.3   | -3.4  |
| 3.06 | -0.5 | 0.8  | -1.0 | 75      | 0.0  | -0.9 | 6.4  | 39        | 69        | 76       | 0.0  | -1.8 | -0.5 | 0.3  | L0.2 | -0.2 | P0.4 | S0.1 | 0.9  | 0.2  | 0.6  | -0.8 | S1.4 | C0.7 | S1.5 | W0.3   | B0.1   | 5.8   |
| 3.32 | -2.8 | -5.6 | 2.7  | 98      | 3.4  | 1.2  | 8.3  | 357       | 1,964     | 99       | 0.9  | 1.2  | -0.9 | 0.8  | H1.5 | 0.3  | P0.4 | S0.4 | 0.9  | 1.3  | 0.1  | -0.3 | S1.5 | C0.4 | 0.0  | W0.2   | C0.3   | 7.    |