

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

This report lists all bulls previously coded as genomically tested and marketed (NAAB status code G) that do not have 10 or more daughters with usable lactation records as of the cut-off date for this evaluation release. Official evaluations that combine the bull's genomic and progeny test information will be released after a minimum of 10 daughters have production (PTA protein) evaluations.

| Name of Bull                         | Registration Number | GT  | BBR | JH1 | NAAB Code  | Current AI Status | REL % | Milk | Fat   | % Fat | Prot  | % Prot | CM\$ | NM\$ | FM\$ | GM\$ | SCS  |
|--------------------------------------|---------------------|-----|-----|-----|------------|-------------------|-------|------|-------|-------|-------|--------|------|------|------|------|------|
| JX FARIA BROTHERS BRAD STEVENS (5)   | 840003126052303     | 99K | 100 | C   | 1JE957     | P                 | 74    | 1472 | 0.05  | 78    | 0.06  | 64     | 729  | 689  | 597  | 546  | 2.73 |
| JX FARIA BROTHERS LEBRON (4)         | 840003126052246     | 50K | 100 | F   | 200JE1082  | I                 | 73    | 1050 | 0.12  | 74    | 0.05  | 48     | 638  | 605  | 532  | 490  | 2.83 |
| JX BW ALTAHARMONY (5)                | USA 119501373       | 99K | 100 | F   | 11JE1313   | P                 | 75    | 1084 | 0.13  | 75    | 0.07  | 53     | 595  | 555  | 465  | 434  | 2.78 |
| OAKLANE DAZZLER DOORMAN 2125-ET      | USA 067742125       | 99K | 100 | F   | 7JE1529    | P                 | 72    | 180  | 0.20  | 48    | 0.06  | 20     | 599  | 567  | 496  | 531  | 2.73 |
| JX SPRING CREEK HARRIS STUB (5)-ET   | USA 119413533       | 50K | 100 | F   | 14JE739    | P                 | 74    | 888  | 0.20  | 83    | 0.08  | 48     | 620  | 581  | 491  | 480  | 2.88 |
| JX FARIA BROTHERS SAINT (4)-ET       | 840003124526245     | 99K | 100 | F   | 7JE1477    | P                 | 75    | 856  | 0.13  | 67    | 0.08  | 47     | 579  | 543  | 459  | 467  | 2.95 |
| ABS CHIPPER-ET                       | 840003135245613     | 99K | 100 | F   | 29JE4055   | P                 | 75    | 1224 | -0.01 | 58    | 0.04  | 52     | 572  | 548  | 492  | 503  | 3.02 |
| JX FOREST GLEN HARRIS RHUMBA (5)     | USA 067609797       | 99K | 100 | F   | 7JE1533    | P                 | 75    | 1484 | -0.04 | 61    | -0.01 | 52     | 573  | 552  | 510  | 425  | 2.73 |
| KASH-IN SLUGGER-P-ET                 | 840003126536278     | 99K | 100 | F   | 7JE1526    | P                 | 75    | 100  | 0.38  | 80    | 0.15  | 34     | 569  | 520  | 406  | 441  | 3.04 |
| JX WAUNAKEE HARRIS PISTOL (5)        | USA 073596577       | 99K | 100 | C   | 29JE4025   | P                 | 74    | 1718 | -0.02 | 79    | 0.00  | 61     | 573  | 554  | 513  | 400  | 2.88 |
| SHAN-MAR LEMONHEAD KINGSTON-ET       | USA 067460159       | 50K | 100 | F   | 14JE760    | P                 | 71    | 189  | 0.27  | 64    | 0.12  | 32     | 560  | 515  | 409  | 463  | 2.92 |
| HEINZ AXIS SANTA                     | 840003126506098     | 99K | 100 | F   | 29JE4000   | P                 | 75    | 1291 | -0.09 | 41    | 0.01  | 49     | 560  | 541  | 497  | 425  | 2.89 |
| JX BW ALTAHARVEST (5)-ET             | 840003131148666     | 99K | 100 | F   | 11JE1311   | P                 | 75    | 1437 | -0.01 | 65    | 0.03  | 58     | 546  | 516  | 449  | 344  | 2.81 |
| AHLEM BOWMAN LANCER-ET               | USA 073409435       | 99K | 100 | F   | 29JE3992   | P                 | 75    | 268  | 0.22  | 57    | 0.09  | 28     | 517  | 482  | 401  | 465  | 2.90 |
| JX BLUE MIST PROP JOE SUPREME (4)    | USA 119603897       | 99K | 100 | F   | 97JE154    | P                 | 75    | 1199 | 0.09  | 76    | 0.03  | 48     | 548  | 527  | 480  | 455  | 2.95 |
| SHAN-MAR LEMONHEAD KEYSTONE-ET       | USA 067460157       | 50K | 100 | F   | 14JE759    | P                 | 71    | 335  | 0.18  | 53    | 0.11  | 33     | 546  | 507  | 417  | 446  | 2.97 |
| JX AARDEMA PILGRIM TAYLOR (5)        | 840003130366601     | 99K | 100 | F   | 1JE943     | P                 | 75    | 683  | 0.06  | 46    | 0.04  | 32     | 536  | 510  | 451  | 452  | 2.77 |
| CAL-MART PILGRIM DANKO               | USA 067294365       | 80K | 100 | C   | 1JE925     | P                 | 74    | 563  | 0.06  | 40    | 0.06  | 32     | 513  | 482  | 410  | 478  | 2.77 |
| JX CLOVER PATCH HARRIS CONGO (5)     | USA 119294895       | 99K | 100 | F   | 7JE1519    | P                 | 74    | 993  | 0.04  | 54    | 0.03  | 41     | 534  | 509  | 454  | 437  | 2.82 |
| O.F. MAINSTREAM                      | USA 067198223       | 99K | 100 | F   | 200JE1066  | I                 | 73    | 1361 | 0.00  | 64    | 0.02  | 53     | 512  | 490  | 438  | 407  | 2.92 |
| JX BLUE MIST METHOD PILOT (5)        | USA 119427235       | 50K | 100 | F   | 14JE732    | P                 | 73    | 824  | 0.05  | 48    | 0.07  | 43     | 538  | 505  | 429  | 426  | 2.89 |
| AHLEM DARTAGNAN-ET                   | USA 067823014       | 50K | 100 | F   | 14JE745    | P                 | 73    | 1053 | -0.01 | 50    | 0.02  | 42     | 507  | 484  | 435  | 411  | 2.83 |
| PRO-HART PRINCE CHATTER-ET           | 840003124771865     | 80K | 100 | F   | 14JE695    | P                 | 75    | 1445 | -0.06 | 57    | 0.04  | 60     | 492  | 468  | 412  | 398  | 3.10 |
| JX MULTI-ROSE CHILI RUSTLER (5)-P-ET | 840003132093008     | 99K | 100 | C   | 7JE1541    | P                 | 73    | 1183 | -0.06 | 43    | 0.05  | 51     | 508  | 484  | 428  | 412  | 3.04 |
| AHLEM EVOLUTION LEAR 22519-ET        | USA 073409480       | 13K | 100 | C   | 203JE1621  | P                 | 74    | 953  | -0.07 | 30    | -0.01 | 32     | 496  | 485  | 463  | 441  | 2.87 |
| AHLEM REGENCY PRINCETON-ET           | USA 074067733       | 99K | 100 | F   | 7JE1544    | P                 | 73    | 1441 | -0.10 | 49    | -0.03 | 45     | 484  | 480  | 474  | 425  | 2.99 |
| SHAN-MAR REGENCY KADEN-ET            | USA 067460147       | 50K | 100 | F   | 14JE751    | P                 | 73    | 516  | 0.12  | 49    | 0.10  | 38     | 510  | 472  | 382  | 408  | 2.92 |
| RIVER VALLEY BULLET-ET               | 840003126479258     | 99K | 100 | F   | 7JE5047    | P                 | 72    | 497  | 0.15  | 54    | 0.06  | 30     | 517  | 493  | 435  | 404  | 2.97 |
| JX WILSONVIEW HARRIS MCDONAL (5)     | USA 119106701       | 99K | 100 | F   | 7JE1495    | P                 | 74    | 1293 | -0.01 | 59    | 0.05  | 55     | 473  | 447  | 387  | 349  | 3.01 |
| IGL RISING TEMP-ET                   | 840003124584980     | 80K | 100 | F   | 7JE1438    | P                 | 75    | 1074 | 0.09  | 68    | 0.05  | 47     | 501  | 480  | 431  | 424  | 3.11 |
| ALL LYNNS BLADE BONANZA              | USA 118843676       | 80K | 100 | F   | 14JE692    | P                 | 74    | 1407 | -0.06 | 55    | -0.01 | 46     | 467  | 460  | 446  | 423  | 2.96 |
| LJC TANAS VISIONARY VICTOR           | USA 118697239       | 80K | 100 | F   | 7JE1417    | P                 | 73    | 1063 | -0.03 | 42    | 0.03  | 43     | 497  | 473  | 422  | 394  | 2.86 |
| WILSONVIEW PHAROAH'S MONUMENT        | USA 118644165       | 80K | 100 | F   | 1JE896     | I                 | 76    | 1325 | -0.11 | 39    | -0.05 | 36     | 481  | 482  | 488  | 467  | 2.85 |
| JX AVI-LANCHE VALUE DEFY (6)         | 840003131650099     | 99K | 100 | C   | 11JE1306   | P                 | 75    | 762  | 0.07  | 51    | 0.02  | 32     | 505  | 488  | 451  | 430  | 2.96 |
| AHLEM CHILI CAVALIER-ET              | USA 073409535       | 99K | 100 | C   | 29JE3994   | P                 | 75    | 332  | 0.14  | 42    | 0.09  | 30     | 474  | 440  | 361  | 434  | 2.96 |
| JX WILSONVIEW VOLCANO SATISFY (5)-ET | USA 119619863       | 99K | 100 | F   | 29JE4051   | P                 | 75    | 1044 | 0.02  | 54    | -0.01 | 36     | 488  | 478  | 459  | 422  | 2.96 |
| RIVER VALLEY ROSETTE RACER           | 840003126479283     | 99K | 100 | F   | 200JE10007 | P                 | 75    | 628  | 0.09  | 48    | 0.04  | 30     | 459  | 438  | 391  | 386  | 2.91 |
| CDF SANGITA-ET                       | 840003124584857     | 80K | 100 | F   | 7JE1437    | P                 | 75    | 1217 | -0.07 | 44    | 0.02  | 47     | 453  | 430  | 381  | 354  | 2.86 |
| AHLEM AXIS CHOSEN-ET                 | USA 073409558       | 99K | 100 | F   | 29JE3996   | P                 | 76    | 1294 | -0.11 | 39    | -0.03 | 40     | 469  | 460  | 444  | 373  | 2.79 |
| JX AHLEM HARRIS PATRON (5)-ET        | USA 074067417       | 99K | 100 | F   | 11JE1276   | P                 | 76    | 1376 | -0.02 | 62    | 0.01  | 52     | 459  | 439  | 393  | 357  | 2.93 |
| HI-LAND MARVEL MEITY                 | USA 067587980       | 99K | 100 | C   | 14JE708    | P                 | 75    | 776  | -0.04 | 29    | 0.01  | 29     | 464  | 451  | 423  | 409  | 2.90 |
| JX SUNSET CANYON MINOAN (5)-ET       | USA 119306352       | 99K | 100 | F   | 7JE1527    | P                 | 75    | 1142 | 0.05  | 63    | 0.05  | 51     | 487  | 457  | 389  | 334  | 2.94 |
| JX RIVER VALLEY TRIUMPH (5)-ET       | 840003131639877     | 99K | 100 | F   | 7JE5041    | P                 | 75    | 1341 | -0.05 | 53    | -0.01 | 45     | 461  | 452  | 434  | 357  | 2.98 |
| RIVER VALLEY FSDAFFY DRIFTER         | 840003013097822     | 99K | 100 | F   | 7JE5033    | P                 | 75    | 688  | 0.07  | 46    | 0.05  | 35     | 494  | 467  | 406  | 374  | 2.88 |
| PEARLMONT FORMIDABLE DARBY           | USA 067270628       | 99K | 100 | F   | 1JE948     | P                 | 75    | 1316 | -0.10 | 43    | -0.04 | 38     | 466  | 468  | 473  | 441  | 3.01 |
| SANDCREEKS REGENCY ZENON-P-ET        | 840003126823312     | 50K | 100 | F   | 14JE740    | P                 | 73    | 701  | 0.09  | 51    | 0.07  | 38     | 466  | 439  | 375  | 367  | 3.02 |
| LONGLEAF SANTIAGO SEGIN-ET           | USA 118612126       | 80K | 100 | F   | 14JE689    | P                 | 74    | 88   | 0.34  | 72    | 0.11  | 24     | 487  | 455  | 379  | 414  | 3.10 |
| WAUNAKEE EXHORT                      | USA 072457902       | 80K | 100 | F   | 11JE1218   | P                 | 75    | 472  | 0.15  | 52    | 0.02  | 21     | 485  | 474  | 447  | 438  | 3.01 |
| JX WILSONVIEW AXIS STOKED (5)        | USA 119110252       | 99K | 100 | F   | 29JE3997   | P                 | 75    | 1433 | -0.11 | 45    | -0.01 | 48     | 471  | 458  | 430  | 341  | 2.85 |
| DUPAT VISIONARY MALIBU-ET            | USA 067163463       | 80K | 100 | F   | 11JE1239   | I                 | 76    | 720  | 0.05  | 44    | 0.07  | 41     | 460  | 427  | 352  | 324  | 2.94 |
| SUNSET CANYON VIRGINIAN              | USA 118775027       | 80K | 100 | F   | 29JE3949   | P                 | 75    | 282  | 0.16  | 44    | 0.09  | 25     | 491  | 462  | 394  | 442  | 2.95 |
| KASH-IN SAXON-P-ET                   | 840003013871358     | 80K | 100 | F   | 7JE1445    | P                 | 77    | 1301 | -0.05 | 49    | -0.02 | 43     | 450  | 435  | 406  | 326  | 2.73 |
| LAST CHANCE PLUS MATLOCK (6)         | USA 067276204       | 99K | 100 | F   | 11JE1277   | P                 | 75    | 955  | 0.06  | 58    | 0.04  | 42     | 440  | 420  | 372  | 365  | 3.05 |
| JX AHLEM WALTERWHITE RIDDLER (5)-ET  | USA 074067600       | 99K | 100 | F   | 11JE1296   | P                 | 75    | 953  | 0.08  | 61    | 0.06  | 45     | 473  | 448  | 390  | 355  | 3.09 |
| JX AHLEM HARRIS NERO (5)-ET          | USA 073409444       | 80K | 100 | F   | 11JE1257   | P                 | 75    | 1050 | 0.07  | 63    | 0.04  | 44     | 457  | 431  | 372  | 313  | 2.83 |
| JX CAL-MART T TIME PARTNER (6)       | USA 067294352       | 80K | 100 | F   | 29JE3971   | P                 | 74    | 933  | 0.06  | 56    | 0.02  | 37     | 458  | 440  | 401  | 359  | 2.90 |
| JX WILSONVIEW SWORD MAGNET (6)-ET    | USA 119465129       | 99K | 100 | F   | 7JE1532    | P                 | 71    | 1338 | -0.02 | 60    | -0.02 | 42     | 458  | 455  | 449  | 378  | 2.98 |
| JX RIVER VALLEY TRIS TOTAL (5)-ET    | 840003013097958     | 80K | 100 | F   | 7JE5024    | P                 | 76    | 1751 | -0.17 | 46    | -0.04 | 54     | 462  | 456  | 447  | 330  | 2.94 |
| AHLEM AXIS BONANZA 22387             | USA 073409348       | 80K | 100 | F   | 7JE1461    | P                 | 75    | 995  | -0.04 | 37    | 0.02  | 39     | 459  | 439  | 394  | 339  | 2.85 |
| AHLEM BLADE DAPPER                   | USA 073409328       | 80K | 100 | F   | 11JE1253   | P                 | 75    | 778  | 0.06  | 49    | 0.04  | 35     | 437  | 418  | 372  | 364  | 2.96 |
| JX CO-OP AD BADGER WISDOM (4)-ET     | 840003126073710     | 99K | 100 | F   | 1JE929     | P                 | 75    | 556  | 0.14  | 54    | 0.06  | 31     | 462  | 431  | 360  | 325  | 2.76 |
| JX AHLEM JUMBO MATE (5)              | USA 074067543       | 99K | 100 | F   | 11JE1289   | P                 | 74    | 925  | 0.01  | 46    | 0.04  | 40     | 444  | 422  | 371  | 329  | 2.92 |
| DUPAT SANTIAGO SIZZLE-ET             | USA 067163441       | 80K | 100 | F   | 11JE1222   | P                 | 76    | 258  | 0.21  | 54    | 0.04  | 17     | 464  | 448  | 410  | 390  | 2.97 |
| FOUR J ARCHER GALE                   | 840003129219233     | 13K | 100 | F   | 97JE156    | P                 | 72    | 987  | -0.02 | 43    | 0.03  | 41     | 422  | 405  | 366  | 408  | 3.06 |
| SIMPLY NATURAL PHAROAH DUKE          | USA 067199400       | 80K | 100 | F   | 76JE173    | I                 | 75    | 1143 | -0.03 | 47    | 0.00  | 38     | 436  | 424  | 399  | 353  | 2.83 |
| KASH-IN SIGNAL-ET                    | 840003126536266     | 99K | 100 | F   | 7JE1507    | P                 | 76    | 928  | -0.02 | 40    | 0.02  | 37     | 397  | 379  | 338  | 308  | 2.86 |
| SAND HILL FORMIDABLE KANDOR          | USA 067388301       | 99K | 100 | F   | 29JE4028   | P                 | 75    | 1092 | 0.04  | 59    | -0.03 | 32     | 474  | 477  | 485  | 433  | 3.08 |
| JX ANDAS CRITIQUE RUSSELL (5)-ET     | 840003006436314     | 80K | 100 | F   | 11JE1251   | P                 | 74    | 585  | 0.15  | 57    | 0.05  | 31     | 431  | 410  | 359  | 353  | 3.02 |
| VALSIGNA MARVEL CHEKELO              | USA 118506982       | 80K | 100 | F   | 11JE1207   | P                 | 74    | 580  | 0.06  | 41    | 0.05  | 30     | 444  | 416  | 354  | 331  | 2.77 |
| JX SEXING CRIS GORDON 59748 (4)-ET   | 840003010363495     | 80K | 100 | F   | 151JE1613  | P                 | 74    | 326  | 0.13  | 42    | 0.04  | 19     | 460  | 442  | 400  | 401  | 2.90 |

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

| PL  | DPR  | CCR  | HCR  | LIV  | EFI | JPI | Type |     | FS   | ST   | SR   | DF   | RA   | RW   | RL   | FA   | FU  | RH   | RUW  | UC   | UD   | TP   | TL   | RTP RV | RTP SV | JUI |
|-----|------|------|------|------|-----|-----|------|-----|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|--------|--------|-----|
|     |      |      |      |      |     |     | REL  | FS  |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |        |        |     |
| 7.4 | -2.5 | -0.3 | 1.6  | -1.0 | 6.5 | 208 | 73   | 1.3 | 0.1  | 0.9  | 0.1  | H0.8 | 0.4  | P0.4 | S1.0 | 2.4  | 1.0 | 0.1  | 0.5  | S2.1 | W0.5 | L1.2 | W0.3 | B0.3   | 18.2   |     |
| 6.0 | -2.1 | -0.3 | 2.0  | -1.0 | 6.3 | 180 | 72   | 2.0 | 0.7  | 0.5  | 0.7  | L0.1 | 0.4  | P0.8 | S0.9 | 2.4  | 2.1 | 0.6  | 0.1  | S2.4 | C0.2 | L0.6 | C0.2 | C0.1   | 22.8   |     |
| 3.8 | -3.0 | -1.4 | 0.3  | -2.0 | 7.4 | 174 | 76   | 1.5 | 0.2  | 0.2  | 1.1  | H0.4 | 0.1  | P0.2 | S0.8 | 1.7  | 1.8 | 0.9  | 0.6  | S1.0 | C1.7 | L0.2 | C0.5 | 0.0    | 18.2   |     |
| 8.4 | 1.9  | 2.7  | 3.2  | 2.3  | 8.5 | 171 | 74   | 1.4 | -0.3 | -0.2 | 0.4  | H0.6 | 0.1  | P0.4 | S1.1 | 2.5  | 0.7 | 0.3  | 0.8  | S2.6 | C1.1 | S0.2 | C1.0 | C0.7   | 25.4   |     |
| 4.8 | -1.7 | 0.7  | 1.0  | -0.5 | 6.8 | 170 | 74   | 0.7 | -0.1 | 0.7  | 0.1  | H1.1 | 0.4  | P1.0 | S0.6 | 1.4  | 0.5 | 0.1  | 0.2  | S1.3 | W0.3 | L1.4 | W0.4 | B0.5   | 9.3    |     |
| 4.9 | -0.6 | 1.0  | 2.3  | 0.9  | 6.8 | 165 | 75   | 1.0 | 0.7  | 0.5  | 0.5  | H0.1 | 0.4  | P0.2 | S0.1 | 0.7  | 0.7 | 0.4  | 0.5  | S1.0 | C0.5 | L0.9 | C0.5 | B0.3   | 9.5    |     |
| 5.2 | 0.4  | 1.2  | 3.9  | -0.4 | 8.8 | 164 | 76   | 0.8 | 0.5  | -0.1 | 1.7  | L0.2 | 0.1  | S0.4 | S0.5 | -0.3 | 1.2 | 1.3  | 0.4  | D0.1 | W0.4 | L0.5 | W0.1 | B0.3   | 2.3    |     |
| 6.2 | -2.1 | -1.2 | 1.6  | 0.4  | 8.3 | 160 | 76   | 0.7 | 0.4  | 0.6  | 0.1  | L0.6 | -0.1 | P0.3 | S0.2 | 0.5  | 0.7 | 0.1  | 0.7  | S0.3 | W0.7 | L0.7 | W1.0 | 0.0    | 5.3    |     |
| 3.8 | -1.0 | -0.9 | 0.6  | -0.1 | 6.8 | 159 | 75   | 1.4 | 1.8  | 0.0  | 1.4  | H0.5 | 0.6  | S0.1 | S0.6 | 1.4  | 1.3 | 1.1  | 0.4  | S2.4 | C0.1 | S0.2 | C0.1 | C0.2   | 20.3   |     |
| 4.3 | -3.4 | -3.2 | -1.9 | -0.6 | 6.7 | 157 | 74   | 0.6 | 0.4  | 1.0  | 0.3  | H0.3 | 0.4  | P0.5 | S0.8 | 0.9  | 0.3 | 0.2  | 0.9  | S0.3 | C0.1 | L1.0 | C0.4 | B0.2   | 6.7    |     |
| 4.8 | 0.4  | 0.2  | 1.0  | 0.7  | 8.2 | 157 | 73   | 1.7 | 0.6  | 0.2  | 0.8  | H0.2 | 0.5  | P0.3 | S1.1 | 1.9  | 1.1 | 0.6  | 0.8  | S1.3 | C1.3 | L0.5 | C1.1 | C0.8   | 18.1   |     |
| 7.7 | -1.4 | -0.5 | 0.9  | 1.5  | 9.7 | 155 | 77   | 1.3 | 1.2  | -0.2 | 1.1  | L1.0 | -0.1 | P0.2 | S0.3 | 0.8  | 1.5 | 0.8  | -0.2 | S1.2 | W0.9 | S0.9 | W0.3 | B0.2   | 11.2   |     |
| 4.8 | -4.6 | -2.9 | -0.4 | -1.0 | 7.1 | 154 | 75   | 0.7 | -0.5 | 0.2  | 0.2  | H0.3 | -0.5 | P0.3 | L0.3 | 1.1  | 0.6 | 0.1  | 0.1  | S1.2 | C0.5 | L0.4 | C0.3 | C0.1   | 10.4   |     |
| 4.8 | 1.3  | 2.7  | 4.2  | 0.7  | 8.1 | 154 | 76   | 0.7 | 0.2  | -0.1 | 0.5  | H0.6 | 0.3  | S0.5 | S0.4 | 1.4  | 0.6 | 0.3  | 0.4  | S1.5 | C1.2 | S0.1 | C1.1 | 0.0    | 15.5   |     |
| 3.6 | -0.5 | -0.2 | 0.6  | 0.4  | 7.7 | 152 | 73   | 0.8 | 1.1  | 0.6  | 1.0  | L1.7 | 0.1  | S0.8 | 0.0  | -0.4 | 1.0 | 0.8  | 0.5  | D0.4 | W0.4 | L1.0 | C0.3 | C0.3   | -0.4   |     |
| 5.7 | 0.4  | 0.9  | -0.3 | 2.0  | 8.8 | 152 | 74   | 1.6 | 0.8  | -0.1 | 1.0  | L0.3 | 0.3  | 0.0  | S0.7 | 1.6  | 1.3 | 0.7  | 0.7  | S1.5 | C0.8 | L0.7 | C1.1 | C0.8   | 17.3   |     |
| 6.9 | 0.8  | 1.5  | 1.4  | 1.6  | 7.4 | 152 | 75   | 1.5 | 1.6  | 0.7  | 0.8  | H0.4 | 0.6  | P0.4 | S0.5 | 1.7  | 1.2 | 0.6  | 0.6  | S1.5 | C0.4 | L0.1 | C0.7 | 0.0    | 17.4   |     |
| 6.1 | 3.0  | 3.1  | 1.4  | 2.3  | 6.7 | 152 | 74   | 0.6 | 0.6  | 0.2  | -0.2 | L1.1 | -0.2 | S0.4 | L0.2 | 0.9  | 0.1 | -0.2 | 0.0  | S0.6 | C1.1 | S0.7 | C0.7 | C0.6   | 8.0    |     |
| 5.8 | -0.5 | 1.4  | 1.7  | -0.3 | 6.5 | 151 | 74   | 0.9 | 0.5  | 0.1  | 0.3  | L0.3 | 0.1  | 0.0  | S0.8 | 1.1  | 0.4 | 0.2  | -0.1 | S1.5 | W0.1 | S0.1 | C0.2 | C0.5   | 10.6   |     |
| 3.0 | -1.6 | -1.3 | -0.3 | -2.2 | 8.1 | 150 | 73   | 1.3 | 1.9  | 0.1  | 1.6  | L0.2 | 0.2  | P0.1 | S0.4 | 0.8  | 1.7 | 1.2  | 0.4  | S0.9 | C0.3 | L0.7 | C0.9 | C0.2   | 11.7   |     |
| 5.8 | -0.6 | 0.6  | 1.8  | 0.9  | 7.9 | 150 | 73   | 1.1 | 0.5  | 0.1  | 0.7  | L2.1 | -0.5 | S0.3 | S0.2 | 0.7  | 2.0 | 0.5  | 0.0  | S0.6 | W0.6 | L0.5 | C0.1 | C0.2   | 8.4    |     |
| 6.1 | -1.0 | 1.3  | 3.1  | -2.1 | 9.3 | 150 | 74   | 1.3 | 0.3  | -0.1 | 1.2  | L0.5 | 0.2  | S0.7 | L0.1 | 0.9  | 1.4 | 0.9  | 0.2  | S0.9 | C0.5 | S0.5 | C0.7 | C0.3   | 12.6   |     |
| 3.5 | -1.2 | -0.6 | -0.7 | -3.4 | 9.0 | 148 | 76   | 1.7 | 1.3  | 0.6  | 1.0  | H0.7 | 0.7  | P1.1 | S1.2 | 2.0  | 1.6 | 0.8  | 0.2  | S1.5 | C0.7 | L0.7 | W0.2 | C0.1   | 17.2   |     |
| 5.6 | -0.5 | 0.2  | 2.0  | 0.3  | 7.3 | 148 | 74   | 1.6 | 2.2  | 0.7  | 1.4  | H0.5 | 0.7  | P0.2 | S0.7 | 1.3  | 1.6 | 1.0  | 0.0  | S1.5 | C0.1 | L0.4 | C0.3 | B0.5   | 14.2   |     |
| 7.3 | 0.9  | 1.3  | 3.4  | 0.9  | 8.9 | 148 | 74   | 1.5 | 0.0  | -0.4 | 0.7  | H0.8 | -0.3 | 0.0  | S0.3 | 1.8  | 1.5 | 0.5  | 0.7  | S2.4 | C1.0 | S0.2 | C1.2 | B0.4   | 24.1   |     |
| 5.1 | -0.7 | 1.4  | 3.0  | -2.0 | 8.6 | 147 | 74   | 1.5 | 0.1  | -0.2 | 0.9  | L0.1 | -0.1 | P0.3 | S0.4 | 1.7  | 2.4 | 0.7  | 0.0  | S1.5 | C0.5 | S0.5 | W0.2 | C0.1   | 19.3   |     |
| 5.6 | -0.3 | 0.8  | 1.4  | -1.0 | 8.8 | 147 | 74   | 1.2 | 0.4  | 0.2  | 1.3  | L0.2 | 0.2  | S0.2 | S0.4 | 1.4  | 1.5 | 0.9  | 0.8  | S0.9 | C1.0 | L0.2 | C0.8 | C0.4   | 16.1   |     |
| 6.6 | -0.9 | -0.5 | 1.2  | -0.1 | 8.3 | 146 | 74   | 1.8 | -0.2 | 0.0  | 0.9  | H1.1 | 0.4  | P0.8 | S0.8 | 2.8  | 1.7 | 0.6  | 0.3  | S2.5 | C1.4 | S0.3 | C0.5 | C0.3   | 27.1   |     |
| 2.6 | -2.6 | -0.5 | 0.7  | -1.2 | 6.1 | 143 | 74   | 1.0 | -0.1 | 0.5  | 0.4  | H0.3 | 0.2  | P0.6 | S0.5 | 1.2  | 1.1 | 0.3  | 0.7  | S1.2 | C0.3 | L0.6 | C0.5 | B0.3   | 13.8   |     |
| 3.5 | -0.4 | 0.3  | 0.3  | -1.5 | 7.9 | 142 | 76   | 1.0 | 0.9  | 0.1  | 1.7  | L1.6 | -0.5 | S0.9 | L0.4 | -0.2 | 1.7 | 1.3  | 0.7  | D0.4 | C0.3 | L0.7 | C0.4 | C0.4   | 4.2    |     |
| 3.5 | 0.1  | 1.4  | 4.4  | -0.3 | 5.8 | 142 | 74   | 0.6 | 0.6  | 0.1  | 1.0  | L1.2 | -0.2 | S0.4 | L0.2 | -0.2 | 0.7 | 0.7  | 0.5  | D0.7 | C0.8 | S0.4 | C0.6 | C0.3   | 1.8    |     |
| 5.7 | -1.1 | 1.1  | 3.1  | 0.2  | 6.6 | 141 | 74   | 0.8 | 0.1  | -0.1 | 0.6  | L1.1 | -0.2 | S0.7 | S0.2 | 0.8  | 1.7 | 0.5  | -0.4 | S0.6 | W0.6 | 0.0  | W0.3 | C0.7   | 7.1    |     |
| 5.5 | 2.3  | 2.5  | 1.1  | 2.7  | 8.6 | 141 | 77   | 0.8 | 0.5  | 0.4  | 0.5  | H0.6 | 0.5  | S0.2 | S0.1 | 1.4  | 1.1 | 0.4  | 0.3  | S0.8 | W0.4 | L0.9 | W0.5 | C0.1   | 9.7    |     |
| 6.8 | 0.5  | 0.6  | 1.9  | 0.1  | 7.6 | 141 | 76   | 1.5 | 0.8  | 0.2  | 1.4  | H0.4 | 0.3  | 0.0  | 0.0  | 0.9  | 1.2 | 1.0  | 0.6  | S1.0 | C0.4 | S0.3 | C0.7 | B0.5   | 13.6   |     |
| 5.1 | 1.6  | 2.8  | 2.9  | -0.2 | 7.5 | 141 | 75   | 1.2 | -0.1 | -0.5 | 1.0  | H0.2 | 0.0  | S0.6 | 0.0  | 0.9  | 1.5 | 0.8  | 0.2  | S0.7 | C0.7 | S0.5 | C0.6 | C0.2   | 12.2   |     |
| 5.5 | -0.2 | 1.4  | 3.3  | -0.1 | 7.7 | 140 | 76   | 1.5 | 0.2  | 0.5  | 0.3  | L0.4 | 0.2  | P0.3 | S0.7 | 1.7  | 1.4 | 0.2  | 0.1  | S1.8 | C0.1 | L0.9 | C0.2 | B0.2   | 15.6   |     |
| 5.1 | 0.1  | 0.5  | 3.7  | 0.8  | 9.1 | 139 | 76   | 1.8 | 2.3  | 0.8  | 1.1  | L1.1 | 0.6  | S0.8 | S0.2 | 1.6  | 1.4 | 0.8  | 0.7  | S2.4 | C1.3 | S0.2 | C0.8 | B0.3   | 23.7   |     |
| 4.0 | -1.1 | -0.9 | 1.8  | -0.7 | 8.7 | 138 | 76   | 1.4 | 1.3  | 0.5  | 0.8  | H0.1 | 0.7  | 0.0  | L0.2 | 1.5  | 1.1 | 0.6  | 0.3  | S1.6 | C0.1 | L0.6 | C0.3 | C0.1   | 14.7   |     |
| 5.8 | -1.0 | -0.1 | 1.3  | 0.4  | 9.3 | 138 | 77   | 1.5 | 1.4  | 0.3  | 1.2  | L0.5 | 0.1  | S0.3 | S0.4 | 0.9  | 1.5 | 0.9  | 0.4  | S1.7 | C0.3 | S0.2 | C0.5 | B0.7   | 16.4   |     |
| 2.2 | -1.9 | -0.4 | 0.7  | -1.5 | 7.6 | 137 | 76   | 1.0 | 1.1  | 0.8  | 0.7  | H1.2 | 0.8  | P0.6 | S0.7 | 1.1  | 0.8 | 0.5  | 0.7  | S0.7 | C0.4 | L1.2 | W0.2 | B0.1   | 9.7    |     |
| 7.1 | 1.0  | 2.4  | 1.9  | 1.7  | 8.2 | 137 | 76   | 1.5 | 0.1  | -0.2 | 0.5  | L0.7 | 0.0  | P0.2 | S0.2 | 1.5  | 1.3 | 0.4  | 0.1  | S2.1 | C0.9 | S1.3 | C0.2 | C0.5   | 20.7   |     |
| 4.2 | -2.4 | -2.4 | -0.5 | -0.5 | 7.7 | 136 | 75   | 0.8 | 0.8  | 1.3  | -0.1 | L0.7 | 0.6  | P0.2 | S0.3 | 1.0  | 0.4 | -0.1 | 0.5  | S1.2 | 0.0  | L0.8 | C0.1 | B0.2   | 9.9    |     |
| 5.0 | -2.0 | -1.0 | 2.8  | -1.7 | 8.3 | 136 | 75   | 1.5 | 1.8  | 0.3  | 2.3  | L0.9 | 0.4  | S0.4 | S0.3 | 0.0  | 1.2 | 1.7  | 1.3  | S0.2 | C2.0 | S0.9 | C2.0 | B0.3   | 13.3   |     |
| 6.1 | -1.2 | -0.4 | 1.1  | 0.3  | 8.2 | 136 | 75   | 1.0 | 0.7  | -0.5 | 0.9  | L1.0 | -0.3 | S0.1 | S0.2 | 0.6  | 1.3 | 0.6  | -0.2 | S1.4 | W0.1 | S0.4 | C0.3 | C0.2   | 11.2   |     |
| 5.4 | 1.1  | 2.2  | 2.1  | 0.6  | 8.1 | 135 | 75   | 1.3 | 0.5  | -0.1 | 0.8  | L2.2 | -0.3 | S0.1 | S0.3 | 0.2  | 1.6 | 0.6  | 0.4  | S0.6 | C0.3 | S0.7 | W0.2 | C0.4   | 10.5   |     |
| 5.1 | -1.1 | 0.6  | 2.8  | -1.3 | 9.7 | 135 | 74   | 1.4 | 0.4  | 0.4  | 1.4  | H0.2 | 0.5  | S0.9 | S0.4 | 1.2  | 1.5 | 1.1  | 0.8  | S1.1 | C0.6 | 0.0  | C1.0 | C0.1   | 16.3   |     |
| 3.0 | 0.0  | 0.3  | 0.9  | 0.2  | 7.4 | 135 | 75   | 1.1 | 0.3  | -0.6 | 0.5  | L0.1 | 0.3  | P0.6 | S0.7 | 1.4  | 1.2 | 0.3  | 0.7  | S1.5 | C1.3 | L0.4 | C1.0 | C1.0   | 17.6   |     |
| 5.7 | 1.2  | 1.9  | 1.5  | 2.6  | 8.2 | 135 | 76   | 1.0 | 0.4  | -0.4 | 0.0  | L0.8 | -0.2 | P0.2 | S0.2 | 1.7  | 1.2 | 0.0  | -0.6 | S2.2 | C1.3 | S1.3 | C0.7 | C1.3   | 19.2   |     |
| 5.4 | -2.1 | -1.0 | 0.4  | 0.9  | 8.3 | 134 | 76   | 1.4 | 1.4  | 0.7  | 0.9  | L1.1 | 0.5  | P0.3 | S0.2 | 0.5  | 1.1 | 0.6  | 0.5  | S0.3 | C0.4 | S0.3 | C0.7 | B0.4   | 8.6    |     |
| 5.2 | -2.1 | -0.7 | 2.7  | 0.2  | 9.7 | 134 | 77   | 1.7 | 0.2  | 0.8  | 1.0  | L0.6 | 0.3  | S0.3 | S0.5 | 1.7  | 1.2 | 0.7  | 0.8  | S0.8 | C1.4 | L0.2 | C0.6 | B0.2   | 16.2   |     |
| 6.8 | 2.2  | 1.8  | 3.6  | 1.9  | 7.5 | 134 | 75   | 1.0 | 0.7  | 0.5  | 0.3  | L1.0 | 0.0  | S0.2 | S0.5 | 0.7  | 0.0 | 0.2  | 0.4  | S0.8 | C0.1 | S0.2 | C0.8 | C0.6   | 7.6    |     |
| 3.6 | -2.5 | -1.7 | 1.6  | 0.1  | 8.7 | 133 | 78   | 1.9 | 2.7  | 1.2  | 1.7  | L0.2 | 1.1  | P0.7 | S0.7 | 1.8  | 2.0 | 1.3  | -0.1 | S1.5 | C0.2 | L0.2 | W0.6 | B0.3   | 16.8   |     |
| 3.4 | -0.6 | -0.5 | -0.4 | -3.0 | 8.6 | 133 | 76   | 1.5 | 2.1  | -0.1 | 0.8  | H0.2 | 0.8  | S0.1 | S0.5 | 1.4  | 1.4 | 0.6  | 0.1  | S2.2 | C1.3 | S0.5 | C0.7 | C0.2   | 20.4   |     |
| 4.0 | -1.5 | -1.8 | -0.1 | -0.6 | 8.5 | 132 | 76   | 0.9 | 1.1  | 0.2  | 0.9  | H0.2 | 0.6  | P0.4 | S0.5 | 1.0  | 0.5 | 0.7  | 0.5  | S0.4 | C1.6 | L0.1 | C1.6 | C0.2   | 9.8    |     |
| 2.6 | -3.0 | -2.2 | -1.0 | -0.6 | 7.3 | 132 | 75   | 1.0 | 0.0  | 0.5  | 0.1  | H0.6 | 0.2  | P0.5 | S0.5 | 1.5  | 0.5 | 0.1  | 0.3  | S1.6 | C0.5 | L0.6 | C0.1 | B0.3   | 13.6   |     |
| 3.3 | -1.5 | -0.8 | 2.2  | 0.9  | 6.5 | 132 | 75   | 1.0 | 0.3  | 0.4  | 0.4  | L0.4 | -0.2 | P0.3 | S0.9 | 1.1  | 0.6 | 0.3  | 0.0  | S1.7 | C0.7 | S0.2 | C0.8 | C0.1   | 13.5   |     |
| 3.2 | -1.4 | 0.3  |      |      |     |     |      |     |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |        |        |     |

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

This report lists all bulls previously coded as genomically tested and marketed (NAAB status code G) that do not have 10 or more daughters with usable lactation records as of the cut-off date for this evaluation release. Official evaluations that combine the bull's genomic and progeny test information will be released after a minimum of 10 daughters have production (PTA protein) evaluations.

| Name of Bull                          | Registration Number | GT  | BBR | JH1 | NAAB Code | Current AI Status | REL % | Milk | Fat   | % Fat | Prot  | % Prot | CM\$ | NM\$ | FM\$ | GM\$ | SCS  |
|---------------------------------------|---------------------|-----|-----|-----|-----------|-------------------|-------|------|-------|-------|-------|--------|------|------|------|------|------|
| TATE ISAAC CRAYOLA                    | 840003006436333     | 99K | 100 | F   | 11JE1286  | P                 | 75    | 1094 | -0.05 | 43    | 0.01  | 41     | 446  | 432  | 402  | 374  | 3.02 |
| HILMAR CHILI HORMEL                   | USA 119211382       | 99K | 100 | F   | 11JE1281  | P                 | 74    | 739  | 0.12  | 60    | 0.07  | 40     | 449  | 419  | 349  | 330  | 2.94 |
| VAN DE CHILI CHILLAXIN                | USA 067381550       | 99K | 100 | F   | 29JE3988  | P                 | 75    | 1059 | -0.06 | 38    | -0.01 | 35     | 450  | 440  | 419  | 357  | 2.87 |
| SEXING ZIPPER AUTOMATIC 59995-ET      | 840003010363742     | 80K | 100 | F   | 151JE1625 | P                 | 74    | 399  | 0.18  | 55    | 0.09  | 32     | 453  | 419  | 340  | 405  | 2.97 |
| HEARTLAND PHAROAH APOLLO-ET           | USA 067342676       | 80K | 100 | F   | 7JE1404   | P                 | 76    | 272  | 0.15  | 41    | 0.05  | 18     | 446  | 426  | 381  | 401  | 2.88 |
| DUTCH HOLLOW MACCOY-ET                | 840003126920569     | 99K | 100 | F   | 14JE721   | P                 | 76    | 1531 | -0.02 | 69    | 0.02  | 59     | 434  | 416  | 375  | 301  | 3.11 |
| MFW SPARKY IMPISH-ET                  | USA 119052516       | 99K | 100 | F   | 29JE3987  | P                 | 75    | 1103 | 0.03  | 58    | 0.05  | 48     | 425  | 403  | 351  | 302  | 3.06 |
| MISSISKA MOORE                        | CAN 107987358       | 80K | 100 | C   | 7JE1385   | P                 | 75    | 291  | 0.22  | 56    | 0.08  | 26     | 471  | 444  | 382  | 395  | 3.05 |
| BAR MB HILARIO KYLER                  | USA 067248721       | 80K | 100 | F   | 11JE1221  | P                 | 75    | 296  | 0.18  | 49    | 0.06  | 23     | 463  | 438  | 379  | 354  | 2.92 |
| SEXING MAGNUM MARIO 60327             | 840003010364074     | 99K | 100 | F   | 203JE1636 | I                 | 75    | 1098 | 0.00  | 52    | 0.01  | 42     | 425  | 411  | 379  | 361  | 3.04 |
| SUNSET CANYON DMITRY                  | USA 118376116       | 8K  | 100 | F   | 97JE120   | P                 | 74    | 132  | 0.20  | 47    | 0.08  | 22     | 449  | 417  | 342  | 350  | 2.92 |
| JX CO-OP AD ZAYD BAILEY {6}-ET        | 840003125178737     | 80K | 100 | F   | 1JE909    | I                 | 75    | 846  | 0.14  | 68    | 0.06  | 42     | 445  | 416  | 349  | 322  | 2.91 |
| AHLEM TRANSFORMER RANDOLPH            | USA 074067735       | 99K | 100 | F   | 11JE1302  | P                 | 74    | 716  | 0.12  | 57    | 0.06  | 37     | 460  | 431  | 365  | 298  | 2.90 |
| BW SOVEREIGN {6}                      | USA 118620158       | 80K | 100 | F   | 7JE1412   | P                 | 76    | 959  | 0.03  | 52    | 0.01  | 36     | 428  | 415  | 386  | 359  | 2.97 |
| JX AHLEM HARRIS PROMO {5}-ET          | USA 074067402       | 99K | 100 | F   | 11JE1275  | P                 | 76    | 1456 | -0.05 | 57    | 0.00  | 51     | 426  | 412  | 380  | 294  | 2.91 |
| PEARLMOnt AMAZING MEMORY              | USA 067208570       | 80K | 100 | F   | 11JE1243  | P                 | 74    | 894  | 0.09  | 62    | 0.03  | 38     | 424  | 408  | 370  | 355  | 3.04 |
| AHLEM SPARKY CORONADO                 | USA 073409422       | 99K | 100 | F   | 11JE1270  | P                 | 75    | 614  | 0.10  | 48    | 0.08  | 37     | 429  | 399  | 328  | 324  | 2.97 |
| PINE-TREE REGENCY FICKLE-ET           | USA 067901158       | 50K | 100 | F   | 14JE757   | P                 | 74    | 910  | 0.02  | 46    | 0.02  | 36     | 429  | 415  | 385  | 364  | 3.01 |
| JX WILSONVIEW SAMSON SWORD {5}-ET     | USA 118707824       | 80K | 100 | F   | 7JE1419   | P                 | 75    | 781  | 0.02  | 41    | 0.00  | 28     | 422  | 410  | 384  | 332  | 2.86 |
| AHLEM HILARIO CHECKERS                | USA 072520575       | 80K | 100 | F   | 29JE3938  | P                 | 76    | -121 | 0.28  | 51    | 0.12  | 21     | 435  | 393  | 294  | 356  | 2.95 |
| JX BRADYS SAMSON SALSA {5}            | USA 119222670       | 99K | 100 | F   | 14JE716   | P                 | 75    | 1221 | 0.05  | 67    | 0.02  | 48     | 457  | 441  | 404  | 339  | 3.08 |
| RIVER VALLEY SAL SIZZLER-ET           | 840003013097966     | 80K | 100 | F   | 7JE5021   | P                 | 77    | 1487 | -0.14 | 42    | -0.03 | 47     | 428  | 424  | 416  | 302  | 3.01 |
| AHLEM LEXICON COGSWORTH               | USA 074067593       | 99K | 100 | F   | 11JE1297  | P                 | 76    | 528  | 0.06  | 38    | 0.03  | 25     | 409  | 390  | 345  | 341  | 2.86 |
| D&E VAN FOEKEN {6}-ET                 | USA 067176299       | 80K | 100 | F   | 11JE1225  | P                 | 77    | 1300 | -0.03 | 56    | -0.01 | 45     | 405  | 395  | 374  | 359  | 3.02 |
| HILMAR ZIPPER RIDE-ET                 | USA 119225730       | 99K | 100 | F   | 7JE1512   | P                 | 75    | 1072 | -0.06 | 39    | 0.02  | 41     | 401  | 387  | 355  | 395  | 3.03 |
| PINE-TREE REGENCY FOCUS-ET            | USA 067901153       | 50K | 100 | F   | 14JE756   | P                 | 73    | 898  | 0.04  | 50    | 0.04  | 40     | 401  | 382  | 336  | 329  | 3.09 |
| HEINZ PHAROAH KING                    | USA 072824747       | 80K | 100 | F   | 11JE1247  | P                 | 75    | 950  | -0.01 | 43    | -0.02 | 29     | 444  | 442  | 439  | 417  | 2.98 |
| RIVER VALLEY POSTERBOY                | 840003126479339     | 99K | 100 | F   | 7JE5043   | P                 | 75    | 760  | 0.13  | 60    | 0.04  | 34     | 429  | 412  | 372  | 305  | 3.02 |
| RIVER VALLEY DETROIT-ET               | USA 118604194       | 8K  | 100 | C   | 97JE127   | P                 | 76    | 683  | 0.13  | 59    | 0.04  | 33     | 445  | 421  | 364  | 281  | 2.85 |
| KASH-IN MANTIS MONSTER-P-ET           | 840003126234072     | 99K | 100 | F   | 14JE710   | P                 | 76    | 650  | 0.14  | 57    | 0.01  | 26     | 424  | 413  | 388  | 331  | 2.98 |
| JX CAL-MART HARRIS BERMUDA {5}        | USA 067294363       | 13K | 100 | F   | 97JE146   | P                 | 74    | 1108 | 0.07  | 67    | 0.04  | 49     | 440  | 415  | 357  | 282  | 3.03 |
| AHLEM AXIS CONAN-ET                   | USA 073409555       | 99K | 100 | F   | 11JE1273  | P                 | 76    | 1544 | -0.15 | 42    | -0.05 | 45     | 420  | 421  | 425  | 309  | 2.96 |
| MS EASTON                             | USA 119146567       | 99K | 100 | C   | 29JE4010  | P                 | 76    | 984  | -0.10 | 29    | 0.00  | 35     | 417  | 409  | 389  | 320  | 3.02 |
| SCHULTZ FORM JEWEL                    | USA 119328787       | 99K | 100 | F   | 29JE4022  | P                 | 74    | 959  | -0.07 | 31    | -0.01 | 31     | 434  | 428  | 417  | 401  | 2.93 |
| SANDCREEKS SCORE IAN-ET               | 840003011509908     | 99K | 100 | F   | 76JE172   | P                 | 77    | 1083 | -0.15 | 20    | -0.04 | 30     | 367  | 368  | 372  | 351  | 2.87 |
| JX SEXING MAGNUM GRIFFIN 59338 {5}-ET | 840003010363085     | 80K | 100 | C   | 203JE1611 | P                 | 75    | 710  | 0.09  | 52    | 0.03  | 30     | 442  | 430  | 401  | 389  | 3.05 |
| NORSE STAR FIERCE VOLCANO-ET          | USA 119408894       | 99K | 100 | F   | 7JE1520   | P                 | 75    | 1180 | -0.09 | 38    | -0.01 | 40     | 390  | 381  | 361  | 308  | 2.96 |
| AHLEM PLUS CHEROKEE {6}               | USA 073409323       | 80K | 100 | F   | 7JE1460   | P                 | 75    | 1179 | -0.06 | 45    | -0.02 | 38     | 392  | 384  | 369  | 343  | 2.89 |
| KASH-IN SMACK-P-ET                    | 840003126234073     | 99K | 100 | F   | 7JE1476   | P                 | 76    | 840  | -0.04 | 33    | 0.02  | 32     | 379  | 364  | 331  | 386  | 2.91 |
| REYLA BARNABS CHANNING                | CAN 109219334       | 99K | 100 | F   | 250JE1543 | P                 | 75    | 244  | 0.21  | 52    | 0.08  | 24     | 428  | 397  | 327  | 311  | 2.90 |
| CAL-MART SPARKY HONOK                 | USA 067244328       | 80K | 100 | C   | 29JE3954  | P                 | 75    | 522  | -0.01 | 23    | 0.01  | 20     | 393  | 384  | 364  | 341  | 2.91 |
| CAL-MART POWER PIERO                  | USA 067244296       | 80K | 100 | C   | 14JE668   | P                 | 74    | 244  | 0.15  | 40    | 0.05  | 18     | 411  | 387  | 334  | 401  | 2.78 |
| RIVER VALLEY ALYSSA AVENGER-ET        | 840003013097937     | 80K | 100 | F   | 7JE5026   | P                 | 77    | 1415 | -0.12 | 42    | -0.03 | 45     | 421  | 418  | 413  | 332  | 3.08 |
| AHLEM PALMER SHIRE {6}                | USA 074067459       | 99K | 100 | F   | 14JE718   | P                 | 74    | 1027 | -0.06 | 38    | -0.04 | 27     | 419  | 420  | 428  | 344  | 2.86 |
| MAINSTREAM R SHIPLEY-ET               | USA 118614539       | 80K | 100 | F   | 7JE1393   | P                 | 75    | 430  | 0.17  | 56    | 0.05  | 26     | 436  | 411  | 356  | 343  | 2.90 |
| SUNSET CANYON MIRROR-ET               | USA 118808990       | 13K | 100 | F   | 203JE1638 | P                 | 77    | -95  | 0.27  | 49    | 0.11  | 19     | 432  | 399  | 321  | 372  | 3.05 |
| FARIA BROTHERS BOOSIE {5}-ET          | 840003124526361     | 80K | 100 | F   | 1JE920    | I                 | 75    | 1142 | 0.08  | 70    | 0.02  | 44     | 391  | 375  | 340  | 307  | 3.02 |
| SUNSET CANYON BY DESIGN-P             | USA 118895561       | 80K | 100 | F   | 7JE1449   | P                 | 76    | 1042 | -0.12 | 25    | -0.02 | 32     | 402  | 395  | 383  | 309  | 2.85 |
| JX CRESCENT GRANITE {5}-ET            | USA 067275626       | 99K | 100 | C   | 29JE4015  | P                 | 74    | 1178 | -0.16 | 23    | -0.06 | 30     | 379  | 381  | 391  | 340  | 2.82 |
| AHLEM MAGNUM FIREFOX                  | USA 073409314       | 80K | 100 | F   | 11JE1252  | P                 | 75    | 874  | 0.02  | 46    | -0.03 | 25     | 418  | 420  | 426  | 390  | 3.02 |
| JX CDF SPARKY DANDY T239 {5}-ET       | 840003014258845     | 13K | 100 | F   | 203JE1612 | P                 | 75    | 753  | -0.01 | 35    | -0.01 | 24     | 393  | 388  | 380  | 376  | 2.93 |
| GABYS VOLCANO ATTACK-ET               | USA 118458944       | 99K | 100 | F   | 151JE27   | P                 | 75    | 1149 | 0.04  | 63    | 0.03  | 46     | 386  | 370  | 331  | 291  | 3.05 |
| ISDK VJ BIRKELYGAARD LIBERO           | DNK 000303995       | 50K | 100 | F   | 236JE182  | I                 | 69    | -720 | 0.43  | 46    | 0.19  | 10     | 412  | 354  | 220  | 344  | 2.75 |
| AHLEM AXIS LIBERTY                    | USA 073409460       | 80K | 100 | F   | 11JE1260  | P                 | 75    | 1053 | -0.11 | 27    | 0.00  | 38     | 382  | 373  | 354  | 291  | 3.06 |
| NYMANS MARVEL IRONMAN                 | USA 118488262       | 80K | 100 | F   | 151JE22   | P                 | 75    | 549  | 0.08  | 43    | 0.02  | 24     | 416  | 405  | 379  | 328  | 3.02 |
| JX HILMAR GOLDA RING {4}-ET           | USA 119225758       | 99K | 100 | F   | 11JE1288  | P                 | 76    | 944  | 0.02  | 49    | 0.02  | 39     | 372  | 357  | 322  | 280  | 3.06 |
| AHLEM CHARLEMAGNE MERIT-ET            | USA 074067518       | 99K | 100 | F   | 7JE1510   | P                 | 75    | 954  | 0.01  | 48    | 0.02  | 37     | 379  | 364  | 330  | 325  | 2.94 |
| SUNSET CANYON DIXIE DELIGHT-ET        | USA 118714060       | 80K | 100 | F   | 97JE135   | P                 | 76    | 1228 | -0.08 | 42    | -0.04 | 36     | 408  | 411  | 421  | 315  | 3.07 |
| JX SCHULTZ REMARKABLE {4}             | USA 118937346       | 80K | 100 | F   | 200JE1032 | P                 | 75    | 1374 | -0.15 | 33    | -0.01 | 47     | 387  | 379  | 362  | 282  | 3.08 |
| D&E VELLO                             | USA 067266630       | 80K | 100 | F   | 11JE1230  | P                 | 75    | 1229 | -0.12 | 33    | 0.01  | 45     | 361  | 350  | 326  | 287  | 3.09 |
| JX FOREST GLEN VOLCANO VICK {4}       | USA 067527119       | 8K  | 100 | F   | 97JE143   | P                 | 73    | 1241 | -0.11 | 35    | -0.05 | 32     | 360  | 361  | 368  | 334  | 2.77 |
| AHLEM CREDIBULL WARRIOR-P             | USA 073409411       | 80K | 100 | F   | 11JE1249  | P                 | 75    | 869  | 0.00  | 42    | 0.01  | 32     | 373  | 361  | 335  | 282  | 2.92 |
| JX FOREST GLEN JUMBO JACKS {5}-ET     | USA 067578725       | 99K | 100 | F   | 29JE4014  | P                 | 75    | 596  | -0.02 | 24    | 0.05  | 32     | 362  | 336  | 276  | 279  | 2.88 |
| AHLEM BRIER HANDSOME                  | USA 072520647       | 80K | 100 | F   | 11JE1228  | P                 | 76    | 509  | 0.10  | 44    | 0.06  | 29     | 384  | 364  | 315  | 284  | 3.06 |
| JX AHLEM BADGER CRUISER {4}-ET        | USA 074067453       | 99K | 100 | F   | 1JE934    | P                 | 75    | 664  | 0.11  | 54    | 0.02  | 26     | 398  | 388  | 364  | 333  | 2.98 |
| BLUE MIST MERLIN-ET                   | USA 118608808       | 80K | 100 | F   | 200JE243  | P                 | 77    | 464  | 0.09  | 40    | 0.04  | 25     | 409  | 390  | 346  | 317  | 2.98 |
| AHLEM BALLISTIC GEYSER                | USA 073409520       | 80K | 100 | F   | 11JE1265  | P                 | 76    | 605  | 0.11  | 49    | -0.01 | 20     | 393  | 390  | 386  | 300  | 3.00 |
| CANTENDO KASHMERE                     | USA 119025527       | 99K | 100 | C   | 14JE699   | P                 | 75    | 1301 | -0.12 | 37    | -0.04 | 37     | 400  | 406  | 420  | 321  | 3.06 |
| SEXING LEGAL TROLLEY 59617-ET         | 840003010363364     | 80K | 100 | F   | 151JE1615 | P                 | 75    | 703  | 0.04  | 41    | 0.03  | 31     | 381  | 363  | 320  | 274  | 2.93 |
| GRAMMER SAMSON KEITH                  | USA 067244527       | 80K | 100 | F   | 11JE1235  | P                 | 75    | 439  | 0.08  | 37    | 0.06  | 27     | 361  | 334  | 273  | 229  | 2.86 |

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

| PL  | DPR  | CCR   | HCR  | LIV  | EFI | JPI | Type |      | FS   | ST   | SR   | DF   | RA   | RW   | RL   | FA   | FU   | RH   | RUW  | UC   | UD   | TP   | TL   | RTP RV | RTP SV | JUI |
|-----|------|-------|------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-----|
|     |      |       |      |      |     |     | REL  | REL  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |        |     |
| 4.9 | -0.1 | 1.1   | 0.6  | 0.6  | 7.7 | 127 | 76   | 1.1  | -0.1 | 0.1  | 0.6  | L0.6 | 0.4  | P0.4 | L0.1 | 0.8  | 0.9  | 0.4  | -0.1 | S0.6 | W0.2 | S0.6 | C0.1 | C0.5   | 7.7    |     |
| 3.0 | -2.2 | -0.2  | 1.8  | -0.5 | 6.5 | 127 | 74   | 0.9  | 0.1  | 0.3  | 1.2  | L1.3 | -0.1 | S0.6 | L0.1 | 0.0  | 1.0  | 0.9  | 0.2  | S0.1 | W0.2 | 0.0  | C0.6 | 0.0    | 3.7    |     |
| 6.2 | -1.1 | 1.4   | 4.6  | 1.8  | 8.1 | 127 | 76   | 0.9  | 0.7  | 0.3  | 0.9  | L0.4 | -0.1 | S1.1 | L0.1 | 0.4  | 0.5  | 0.7  | 0.2  | S0.5 | W0.2 | S0.4 | C0.9 | B0.4   | 6.0    |     |
| 3.5 | 1.1  | 1.8   | 2.6  | -0.6 | 5.7 | 127 | 74   | 0.6  | -0.5 | 0.2  | -0.2 | L0.7 | -0.1 | P0.4 | S0.1 | 0.5  | 1.3  | -0.1 | -0.4 | S0.1 | W0.4 | L0.2 | W0.9 | B0.3   | 2.8    |     |
| 5.7 | 1.7  | 2.6   | 1.9  | 3.5  | 8.0 | 127 | 76   | 1.3  | 1.0  | 1.1  | 0.1  | L0.6 | 1.1  | P0.5 | S1.3 | 1.9  | 1.0  | 0.1  | 0.6  | S1.9 | C1.2 | S0.1 | C0.5 | 0.0    | 20.5   |     |
| 1.8 | -3.5 | -3.0  | -1.2 | -4.1 | 8.5 | 126 | 76   | 1.5  | 1.4  | 0.3  | 1.7  | L0.1 | 0.5  | S0.2 | S0.1 | 0.7  | 1.5  | 1.3  | -0.2 | S0.2 | C0.3 | 0.0  | 0.0  | C0.1   | 6.6    |     |
| 2.3 | -2.8 | -2.5  | 2.0  | -0.8 | 9.2 | 126 | 77   | 0.8  | -0.4 | 0.1  | 0.6  | H0.2 | 0.6  | P0.8 | S0.4 | 0.7  | 0.2  | 0.4  | 0.6  | S0.7 | C1.0 | S0.3 | C1.2 | C0.5   | 9.8    |     |
| 5.6 | 0.0  | 1.1   | 1.3  | -1.6 | 7.4 | 126 | 75   | 1.4  | -0.2 | -0.2 | 1.5  | L0.5 | -0.2 | P0.3 | S0.3 | 1.4  | 1.9  | 1.1  | 0.2  | S0.3 | C0.2 | S0.2 | W0.4 | C0.9   | 11.8   |     |
| 5.9 | -0.6 | -1.2  | 1.4  | 1.4  | 8.9 | 126 | 77   | 1.6  | 1.4  | 0.8  | 0.8  | H0.1 | 1.4  | P1.0 | S1.4 | 2.7  | 1.4  | 0.6  | 0.4  | S2.3 | C0.7 | S0.1 | C1.2 | C0.4   | 24.3   |     |
| 3.2 | -0.4 | 0.1   | 0.5  | -1.3 | 7.7 | 125 | 76   | 1.2  | 0.9  | 0.8  | 1.2  | L0.3 | 0.6  | 0.0  | S0.5 | 1.4  | 2.0  | 0.9  | 0.5  | S1.0 | W0.4 | L0.7 | 0.0  | B0.5   | 14.1   |     |
| 4.8 | -0.8 | -0.5  | 3.4  | 0.8  | 8.7 | 125 | 75   | 1.3  | 0.7  | -0.6 | 1.6  | L0.7 | 0.0  | P0.2 | S0.4 | 0.6  | 1.1  | 1.2  | 1.0  | S0.6 | C0.8 | S1.0 | C1.3 | C0.2   | 13.9   |     |
| 2.9 | -1.8 | -1.7  | -1.1 | -1.7 | 8.0 | 124 | 75   | 1.0  | 2.1  | 0.6  | 1.0  | L0.5 | 0.8  | S0.6 | L0.5 | 0.9  | 0.8  | 0.8  | -0.5 | S0.4 | 0.0  | L0.5 | C0.2 | C1.1   | 3.8    |     |
| 4.6 | -3.1 | -3.1  | -0.3 | -0.8 | 8.1 | 124 | 74   | 1.4  | 1.3  | 0.4  | 0.9  | L0.5 | 0.1  | P0.2 | S0.6 | 1.8  | 1.3  | 0.7  | 0.4  | S1.8 | W0.4 | L0.9 | W0.2 | C0.1   | 16.3   |     |
| 4.0 | -0.5 | -0.2  | -1.2 | -2.4 | 8.8 | 124 | 77   | 1.4  | 1.5  | -0.2 | 1.5  | H0.5 | 0.5  | S0.1 | S0.5 | 1.5  | 1.7  | 1.1  | -0.2 | S1.5 | C1.3 | 0.0  | C0.6 | C0.2   | 16.4   |     |
| 2.6 | -3.4 | -2.2  | -0.1 | -2.2 | 7.2 | 123 | 76   | 0.9  | 1.1  | 0.4  | 0.7  | H1.1 | 0.7  | P0.7 | S0.8 | 1.1  | 1.2  | 0.5  | 0.4  | S1.1 | W0.5 | L1.4 | W0.2 | B0.1   | 9.9    |     |
| 2.7 | -0.4 | 0.1   | 0.6  | -0.2 | 7.2 | 123 | 75   | 1.1  | 1.1  | 1.2  | 0.9  | H0.2 | 1.3  | 0.0  | S0.7 | 1.0  | 1.2  | 0.7  | 0.4  | S0.7 | C0.3 | 0.0  | C0.2 | C0.2   | 11.1   |     |
| 3.7 | -1.0 | -1.2  | 1.3  | 0.5  | 9.4 | 123 | 77   | 1.1  | 1.0  | 0.2  | 0.8  | L1.2 | 0.5  | S0.2 | S0.3 | 0.3  | 0.5  | 0.6  | 0.5  | S1.2 | W0.1 | L0.3 | C0.5 | C0.8   | 9.0    |     |
| 5.0 | -0.3 | 1.4   | 2.4  | -0.9 | 8.9 | 123 | 74   | 0.6  | -0.8 | -0.1 | -0.2 | H0.7 | -0.3 | P0.2 | S0.1 | 1.1  | 0.8  | -0.1 | -0.1 | S1.2 | W0.3 | L0.5 | W1.1 | B0.3   | 9.0    |     |
| 4.9 | -1.0 | 0.1   | 1.9  | 1.5  | 7.2 | 123 | 75   | 1.4  | 0.7  | 0.2  | 0.2  | L0.6 | 0.3  | P0.1 | S0.5 | 1.8  | 1.4  | 0.1  | 0.3  | S2.3 | C0.3 | S0.2 | C0.9 | C0.7   | 20.9   |     |
| 3.5 | 0.3  | 0.4   | 1.2  | 0.2  | 9.8 | 123 | 77   | 1.3  | -0.7 | 0.0  | 0.8  | H0.9 | 0.4  | P0.5 | S0.7 | 1.7  | 1.1  | 0.6  | 0.8  | S0.7 | C1.5 | S0.4 | C1.7 | C0.6   | 16.5   |     |
| 3.6 | -2.1 | -1.4  | -0.4 | -1.3 | 8.4 | 122 | 76   | 0.9  | 2.8  | 0.5  | 0.9  | L1.7 | 0.4  | S0.3 | S0.3 | -0.5 | 0.8  | 0.7  | 0.2  | S0.2 | C0.5 | L0.6 | C0.4 | C1.0   | 2.1    |     |
| 4.5 | -2.7 | -1.5  | -0.4 | 1.6  | 8.3 | 122 | 78   | 1.5  | 1.6  | 0.5  | 0.9  | L0.8 | 0.4  | S0.1 | S0.6 | 1.1  | 1.9  | 0.7  | 0.7  | S1.0 | W0.2 | 0.0  | W0.1 | B0.5   | 15.1   |     |
| 4.7 | 0.5  | -0.1  | 0.5  | 1.4  | 9.5 | 122 | 77   | 1.7  | 0.7  | 0.7  | 0.5  | L0.2 | 0.4  | P0.2 | S0.2 | 2.1  | 1.8  | 0.4  | 0.5  | S1.8 | C1.2 | S0.5 | C1.2 | B0.4   | 23.0   |     |
| 2.5 | -0.4 | 0.3   | -1.2 | -4.8 | 8.0 | 121 | 77   | 1.1  | 1.3  | -0.4 | 1.5  | L0.4 | 0.3  | S0.2 | L0.2 | 0.6  | 2.3  | 1.1  | -0.7 | S0.9 | W0.4 | L0.2 | W0.3 | C0.3   | 8.3    |     |
| 3.0 | 2.0  | 2.1   | 2.2  | 0.6  | 5.9 | 121 | 75   | 0.3  | -0.6 | 0.1  | 0.0  | L0.8 | 0.1  | P0.2 | L0.4 | -0.7 | 0.6  | 0.0  | 0.8  | D0.3 | W0.8 | L0.6 | W1.2 | C0.2   | -0.7   |     |
| 2.4 | -1.3 | 0.4   | 2.2  | -1.5 | 8.0 | 121 | 73   | 1.2  | -0.1 | 0.0  | 0.9  | H0.6 | -0.3 | S0.4 | S0.1 | 1.3  | 2.1  | 0.7  | 0.2  | S1.3 | W0.4 | L0.3 | W1.1 | B0.2   | 14.9   |     |
| 5.2 | 1.4  | 1.9   | 0.3  | 1.3  | 8.6 | 121 | 76   | 1.0  | 0.2  | 0.0  | 0.4  | L0.4 | 0.4  | P0.6 | S0.9 | 1.3  | 1.4  | 0.3  | 0.1  | S0.6 | C0.8 | L0.8 | W0.1 | C0.6   | 10.2   |     |
| 3.1 | -2.6 | -2.0  | 1.6  | 0.8  | 9.9 | 120 | 76   | 1.5  | 0.8  | 0.2  | 1.6  | L0.9 | 0.2  | S1.0 | 0.0  | 1.2  | 2.2  | 1.2  | 0.1  | S0.3 | C1.0 | S0.6 | C0.9 | C0.9   | 13.2   |     |
| 4.3 | -3.7 | -2.8  | 0.9  | -0.8 | 8.6 | 120 | 76   | 1.2  | 0.7  | 0.1  | 1.2  | L0.4 | -0.1 | S0.1 | S0.3 | 1.0  | 1.1  | 0.9  | 0.4  | S1.1 | C0.2 | S0.5 | C0.4 | C0.3   | 13.4   |     |
| 3.2 | -1.7 | -1.7  | 1.9  | 0.5  | 7.5 | 120 | 77   | 2.0  | 1.2  | 0.4  | 1.3  | H0.4 | 0.4  | P0.7 | S1.0 | 2.7  | 2.2  | 1.0  | -0.4 | S2.7 | C0.7 | L0.1 | C0.2 | C0.2   | 24.8   |     |
| 3.1 | -3.5 | -3.2  | -1.3 | -2.0 | 7.5 | 119 | 74   | 0.6  | 0.3  | 0.6  | -0.2 | H0.2 | 0.5  | P0.5 | S0.8 | 1.1  | 0.2  | -0.2 | 0.4  | S1.0 | C0.2 | L0.9 | W0.5 | B0.1   | 8.5    |     |
| 4.9 | -2.3 | -1.7  | 0.6  | 0.1  | 9.5 | 119 | 77   | 1.8  | 1.5  | 0.6  | 1.8  | L0.4 | 0.3  | P0.2 | S0.6 | 0.7  | 1.2  | 1.3  | 0.1  | S0.8 | C0.7 | S0.4 | C0.5 | B0.7   | 10.8   |     |
| 5.8 | -1.0 | -0.8  | 0.7  | 2.0  | 9.1 | 119 | 77   | 1.7  | 1.3  | 0.4  | 0.9  | L0.4 | 0.7  | P0.7 | S0.6 | 2.3  | 2.3  | 0.7  | 0.1  | S2.2 | C0.7 | L0.3 | C0.8 | C0.5   | 23.2   |     |
| 6.8 | 1.8  | 1.5   | 1.5  | 0.7  | 5.6 | 119 | 72   | 0.5  | 0.4  | -0.3 | 0.5  | L1.0 | -0.4 | 0.0  | S0.2 | -0.3 | 0.7  | 0.4  | 0.1  | S0.1 | W0.5 | S0.5 | W0.5 | C0.3   | 2.0    |     |
| 4.1 | 0.8  | 1.9   | 4.0  | 1.3  | 8.4 | 119 | 77   | 1.2  | 1.1  | -0.3 | 1.6  | L1.2 | 0.2  | S0.7 | S0.7 | 0.8  | 1.5  | 1.2  | 1.1  | S1.0 | C1.4 | L0.2 | C1.3 | 0.0    | 16.5   |     |
| 4.8 | 1.0  | 0.4   | -0.5 | 1.4  | 7.7 | 119 | 76   | 0.6  | 0.4  | -0.1 | 0.4  | L1.4 | -0.4 | S0.5 | L0.4 | 0.1  | 0.8  | 0.3  | 0.3  | S0.2 | C0.3 | L0.2 | C0.7 | C0.4   | 4.5    |     |
| 4.2 | -1.3 | -0.1  | 2.7  | -0.6 | 8.9 | 118 | 76   | 1.1  | 0.5  | 0.5  | 0.7  | H0.5 | 0.5  | P0.2 | S0.1 | 1.5  | 1.2  | 0.5  | 0.7  | S1.1 | C0.8 | L0.6 | C0.7 | B0.1   | 15.1   |     |
| 3.2 | -0.4 | 0.2   | -0.9 | -3.7 | 8.8 | 118 | 77   | 1.7  | 1.7  | -0.2 | 1.2  | H0.1 | 0.4  | P0.5 | S0.8 | 1.5  | 1.9  | 0.9  | -0.3 | S1.8 | C0.2 | L0.4 | C0.1 | C0.3   | 15.8   |     |
| 2.8 | 2.5  | 2.4   | 1.9  | 0.5  | 8.1 | 118 | 76   | 0.4  | 1.7  | 0.0  | 0.6  | L0.1 | 0.3  | S0.2 | S0.3 | 0.7  | 0.7  | 0.5  | -0.4 | S0.9 | W0.2 | S0.2 | 0.0  | C0.6   | 6.4    |     |
| 4.6 | -1.4 | -1.4  | 0.4  | -0.8 | 7.2 | 118 | 75   | 1.8  | 1.6  | 0.9  | 1.3  | L0.3 | 0.8  | P0.9 | S1.1 | 2.1  | 1.9  | 1.0  | 0.6  | S2.3 | C0.6 | L0.1 | C0.3 | B0.2   | 24.3   |     |
| 5.7 | 0.5  | 0.3   | 1.7  | 1.7  | 9.1 | 118 | 77   | 1.4  | -0.1 | -0.8 | 0.2  | H0.6 | 0.3  | P1.1 | S1.0 | 2.4  | 1.1  | 0.2  | 0.2  | S3.7 | C1.1 | 0.0  | C1.4 | C1.2   | 28.4   |     |
| 4.3 | 2.5  | 3.7   | 2.1  | 1.4  | 5.2 | 118 | 74   | -0.3 | -1.7 | -0.6 | -0.9 | H0.2 | -0.7 | S0.2 | L0.1 | 0.1  | -0.3 | -0.7 | -0.1 | 0.0  | C0.1 | S0.5 | 0.0  | C1.0   | -0.1   |     |
| 4.7 | -1.2 | -0.1  | 1.2  | 1.5  | 8.6 | 117 | 77   | 1.1  | 2.1  | 0.9  | 1.0  | L1.2 | 0.6  | S0.2 | S0.7 | 0.4  | 1.1  | 0.7  | -0.1 | S0.7 | 0.0  | S0.6 | W0.3 | C0.2   | 7.8    |     |
| 6.4 | -0.2 | -0.4  | -0.6 | 0.9  | 8.3 | 117 | 74   | 1.6  | 1.1  | 0.4  | 0.8  | L0.7 | 0.2  | P0.4 | S0.6 | 1.8  | 1.3  | 0.6  | 0.2  | S1.7 | C0.9 | S0.7 | C0.1 | C0.5   | 19.2   |     |
| 4.4 | -0.5 | -0.5  | 2.2  | 1.0  | 8.2 | 117 | 75   | 0.7  | 0.9  | 0.7  | 0.5  | L1.0 | 0.7  | P0.3 | S0.6 | 0.9  | 0.4  | 0.4  | -0.3 | S0.7 | 0.0  | S0.7 | 0.0  | C1.3   | 6.8    |     |
| 4.8 | 1.2  | 1.0   | 1.6  | 1.4  | 8.2 | 117 | 77   | 1.0  | 1.3  | 0.5  | 0.4  | L0.6 | 0.8  | P0.6 | S0.6 | 1.3  | 1.1  | 0.3  | 0.1  | S2.4 | W0.9 | L0.8 | W0.2 | C0.8   | 15.3   |     |
| 1.1 | -2.2 | -0.9  | -2.0 | -5.1 | 8.1 | 116 | 76   | 1.3  | 1.5  | -0.2 | 0.9  | L0.8 | 0.4  | S0.2 | S0.3 | 0.8  | 1.5  | 0.7  | -0.5 | S1.1 | C1.4 | S0.2 | C0.7 | C0.6   | 11.3   |     |
| 6.0 | -1.3 | -0.6  | 1.3  | 0.2  | 9.9 | 115 | 77   | 1.0  | -0.3 | -1.2 | 0.9  | L0.6 | -0.3 | P0.1 | S0.3 | 0.2  | 0.3  | 0.7  | 0.7  | S1.2 | C1.2 | S0.7 | C1.6 | C1.0   | 12.2   |     |
| 5.2 | 0.1  | 1.1   | 2.4  | -0.2 | 7.7 | 115 | 75   | 1.6  | 1.3  | -0.3 | 1.4  | L0.9 | 0.3  | S0.3 | S0.7 | 1.1  | 2.2  | 1.0  | 0.2  | S1.4 | C0.7 | S0.1 | C0.1 | 0.0    | 17.1   |     |
| 5.3 | 1.1  | 1.2   | 1.0  | 0.4  | 7.9 | 115 | 76   | 0.9  | 0.2  | 0.1  | 0.9  | L0.6 | -0.4 | S0.1 | S0.2 | 0.9  | 1.7  | 0.6  | 0.1  | S0.8 | C0.6 | S0.2 | C0.2 | C0.1   | 12.1   |     |
| 5.4 | 1.9  | 2.4   | 3.7  | 2.1  | 8.5 | 115 | 75   | 0.7  | 1.5  | 0.4  | -0.1 | L0.8 | 1.1  | P0.3 | S0.5 | 0.3  | -0.7 | -0.1 | 0.8  | S1.6 | C0.6 | L0.1 | C1.3 | C1.0   | 9.9    |     |
| 1.3 | -2.1 | -2.2  | 0.5  | -2.6 | 8.8 | 114 | 78   | 0.9  | 0.4  | 0.4  | 1.6  | L0.3 | 0.2  | S0.2 | 0.0  | 0.3  | 0.8  | 1.2  | 0.4  | D0.3 | C0.9 | L0.3 | C1.6 | B0.1   | 4.0    |     |
| 3.9 | 0.9  | 3.2   | 2.2  | -0.3 | 2.3 | 114 | 64   | -1.0 | -0.9 | -1.1 | -0.3 | L1.6 | -1.2 | S0.7 | L0.3 | -0.8 | -0.2 | -0.2 | 0.1  | S0.4 | C0.8 | S0.4 | W0.8 | C0.6   | 1.0    |     |
| 5.2 | -1.4 | 0.0   | 2.2  | 1.0  | 9.7 | 113 | 77   | 1.5  | 1.8  | 0.3  | 1.5  | L0.7 | 0.5  | P0.1 | S0.7 | 1.0  | 1.4  | 1.2  | 0.4  | S1.4 | C1.1 | S1.1 | C0.8 | B0.2   | 17.6   |     |
| 4.9 | -0.7 | -0.7  | -1.2 | 1.6  | 8.0 | 113 | 76   | 1.3  | 0.3  | -0.7 | 1.0  | H0.2 | 0.0  | P0.2 | S0.2 | 1.2  | 1.4  | 0.7  | 0.2  | S1.7 | C1.3 | S0.4 | C1.4 | C0.2   | 17.8   |     |
| 1.5 | -1.9 | -1.7  | 2.1  | 1.4  | 7.9 | 112 | 76   | 1.2  | 1.7  | 0.5  | 1.0  | L1.8 | 0.6  | P0.1 | S0.4 | 0.8  | 1.1  | 0.8  | 0.8  | S0.8 | C1.3 | L0.3 | C0.6 | C0.2   | 13.1   |     |
| 2.7 | -0.1 | 0.5</ |      |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |        |     |

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

This report lists all bulls previously coded as genomically tested and marketed (NAAB status code G) that do not have 10 or more daughters with usable lactation records as of the cut-off date for this evaluation release. Official evaluations that combine the bull's genomic and progeny test information will be released after a minimum of 10 daughters have production (PTA protein) evaluations.

| Name of Bull                          | Registration Number | GT  | BBR | JH1 | NAAB Code | Current AI Status | REL % | Milk | Fat   | % Fat | Prot  | % Prot | CM\$ | NM\$ | FM\$ | GM\$ | SCS  |
|---------------------------------------|---------------------|-----|-----|-----|-----------|-------------------|-------|------|-------|-------|-------|--------|------|------|------|------|------|
| JX FOREST GLEN SOPRANO TAZER {5}      | USA 067578168       | 80K | 100 | C   | 1JE923    | P                 | 74    | 525  | -0.03 | 17    | 0.03  | 25     | 350  | 327  | 276  | 257  | 2.72 |
| DUTCH HOLLOW CHAVEZ-ET                | USA 067485314       | 80K | 100 | F   | 250JE1406 | P                 | 76    | 318  | 0.14  | 44    | 0.05  | 21     | 363  | 347  | 311  | 330  | 3.09 |
| JX AHLEM BADGER CORDOBA {4}-ET        | USA 074067452       | 99K | 100 | F   | 1JE933    | I                 | 75    | 297  | 0.15  | 45    | 0.05  | 21     | 395  | 370  | 315  | 295  | 2.83 |
| AHLEM VALSON BUCKEYE                  | USA 072520710       | 80K | 100 | F   | 14JE693   | P                 | 76    | 42   | 0.06  | 12    | 0.00  | 1      | 375  | 374  | 370  | 390  | 2.93 |
| ALL LYNN'S CRITIC VINCA-ET            | USA 118366481       | 80K | 100 | F   | 147JE6217 | I                 | 78    | 1438 | -0.12 | 45    | -0.05 | 40     | 416  | 424  | 443  | 295  | 3.11 |
| MVF AXIS TOPSY 2146-ET                | USA 067442146       | 99K | 100 | F   | 203JE1628 | P                 | 76    | 1305 | -0.15 | 31    | -0.07 | 33     | 367  | 373  | 390  | 262  | 2.87 |
| KASH-IN SOLAR-PP-ET                   | 840003126234075     | 99K | 100 | F   | 7JE1499   | P                 | 76    | 425  | 0.17  | 56    | 0.08  | 31     | 373  | 344  | 274  | 247  | 3.00 |
| JX AHLEM PASSPORT {5}                 | USA 073409415       | 80K | 100 | F   | 29JE3972  | I                 | 75    | 1192 | -0.16 | 26    | -0.06 | 28     | 376  | 386  | 410  | 323  | 2.92 |
| JX WILSONVIEW PHAROAH SABRE {5}-ET    | USA 118707815       | 80K | 100 | F   | 7JE1420   | P                 | 74    | 832  | 0.00  | 37    | -0.01 | 27     | 379  | 371  | 355  | 308  | 2.87 |
| JX AHLEM JUMBO KNIGHT {5}-ET          | USA 074067461       | 99K | 100 | F   | 14JE719   | P                 | 74    | 515  | 0.06  | 36    | 0.03  | 26     | 363  | 345  | 304  | 263  | 2.95 |
| D&E PLUS KING KONG {6}-ET             | USA 067266315       | 80K | 100 | C   | 1JE880    | I                 | 75    | 1064 | -0.05 | 42    | 0.00  | 37     | 347  | 338  | 319  | 307  | 3.00 |
| SC/RV MILITANT-ET                     | USA 118540377       | 80K | 100 | F   | 200JE247  | P                 | 75    | 444  | 0.10  | 41    | 0.07  | 28     | 386  | 359  | 298  | 323  | 2.93 |
| YOSEMITE SANTIAGO RAZZ                | 840003006436395     | 80K | 100 | F   | 11JE1220  | P                 | 76    | 578  | 0.15  | 57    | 0.02  | 26     | 378  | 371  | 351  | 328  | 3.19 |
| SPRING CREEK AMAZING LAZER            | USA 118923626       | 80K | 100 | F   | 14JE696   | P                 | 74    | 125  | 0.17  | 40    | 0.09  | 23     | 372  | 335  | 249  | 266  | 2.80 |
| SUNSET CANYON MEMPHIS {6}-ET          | USA 118846679       | 99K | 100 | F   | 11JE1285  | P                 | 76    | 585  | 0.14  | 56    | 0.05  | 32     | 368  | 346  | 295  | 294  | 3.02 |
| AHLEM PERFORM CHAMPION                | USA 072520636       | 80K | 100 | F   | 1JE899    | I                 | 75    | 553  | 0.09  | 44    | -0.01 | 18     | 366  | 360  | 349  | 288  | 2.87 |
| JX BW EMINENCE {4}-ET                 | 840003126535918     | 99K | 100 | F   | 7JE1513   | P                 | 75    | 1341 | -0.11 | 43    | -0.04 | 38     | 346  | 351  | 365  | 242  | 3.09 |
| LIVE OAK MARCIN MACHO                 | USA 118933342       | 80K | 100 | C   | 11JE1234  | P                 | 75    | 881  | -0.01 | 38    | 0.00  | 32     | 373  | 366  | 349  | 297  | 3.06 |
| JER-Z-BOYS PLUTO {6}-ET               | USA 118884723       | 8K  | 100 | F   | 97JE139   | P                 | 75    | 704  | 0.15  | 64    | 0.03  | 32     | 363  | 343  | 299  | 324  | 2.92 |
| WINDHAVENS VAPOUR PRAX-P              | USA 118974800       | 80K | 100 | F   | 11JE1246  | P                 | 74    | 411  | 0.12  | 44    | 0.06  | 27     | 371  | 351  | 302  | 278  | 3.12 |
| CAL-MART LAYNE BAXTER                 | USA 067244315       | 80K | 100 | F   | 1JE901    | I                 | 76    | 98   | 0.19  | 41    | 0.07  | 18     | 390  | 358  | 288  | 271  | 2.76 |
| ISDK VJ BRUNSGAARD BUZZ BIHL {6}      | DNK 000304013       | 50K | 100 | F   | 236JE184  | I                 | 70    | -310 | 0.40  | 62    | 0.11  | 9      | 374  | 337  | 253  | 335  | 2.79 |
| MULTI-ROSE MEGATRON RANDI             | USA 067342683       | 80K | 100 | F   | 7JE1405   | P                 | 75    | 1021 | 0.11  | 72    | 0.00  | 36     | 389  | 378  | 356  | 255  | 2.94 |
| RIVER VALLEY GWEN GAMER-ET            | 840003126479479     | 99K | 100 | C   | 7JE5037   | P                 | 75    | 650  | 0.03  | 38    | 0.03  | 29     | 360  | 342  | 302  | 260  | 2.91 |
| SUNSET CANYON MASTERMIND-ET           | USA 118523004       | 80K | 100 | F   | 29JE3935  | P                 | 75    | -152 | 0.32  | 53    | 0.14  | 21     | 394  | 357  | 268  | 298  | 3.13 |
| GABYS VOLCANO ALTIITUDE-ET            | USA 118458186       | 99K | 100 | F   | 151JE26   | P                 | 75    | 1419 | -0.10 | 47    | -0.04 | 43     | 318  | 317  | 318  | 241  | 3.02 |
| AARDEMA 4025 ETHAN {4}                | 840003007161651     | 80K | 100 | F   | 1JE902    | I                 | 75    | 1022 | -0.06 | 36    | -0.02 | 33     | 318  | 310  | 294  | 215  | 2.85 |
| SIL-MIST DANAE DERBY                  | USA 118606842       | 80K | 100 | C   | 14JE688   | P                 | 76    | 844  | -0.07 | 27    | 0.01  | 31     | 364  | 353  | 327  | 268  | 2.95 |
| SHOT OF NAT BARNABAS AXEL-ET          | USA 119194298       | 99K | 100 | F   | 250JE1497 | P                 | 76    | 683  | 0.02  | 38    | 0.03  | 28     | 358  | 342  | 308  | 263  | 2.92 |
| BARHAMS SANTIAGO BRIAN-ET             | USA 118667368       | 80K | 100 | F   | 11JE1224  | P                 | 76    | 706  | 0.11  | 54    | 0.01  | 25     | 356  | 352  | 340  | 268  | 3.07 |
| RIVER VALLEY FLASH-ET                 | 840003126479438     | 99K | 100 | F   | 7JE5040   | P                 | 75    | 1091 | -0.04 | 45    | 0.01  | 41     | 322  | 309  | 279  | 227  | 3.04 |
| JX AHLEM JUMBO KAA {5}-ET             | USA 074067472       | 99K | 100 | F   | 11JE1280  | P                 | 75    | 728  | -0.03 | 31    | 0.00  | 27     | 344  | 338  | 323  | 257  | 3.07 |
| SUNSET CANYON MAGNETIC-ET             | USA 118532372       | 80K | 100 | F   | 97JE123   | P                 | 76    | -27  | 0.33  | 62    | 0.10  | 18     | 402  | 371  | 297  | 282  | 2.99 |
| SEXING FASTRACK WAKKAR                | 840003010347689     | 80K | 100 | C   | 151JE25   | P                 | 75    | 911  | -0.06 | 32    | -0.01 | 30     | 373  | 368  | 358  | 290  | 2.97 |
| SUNSET CANYON DEBATE-ET               | USA 117335824       | 50K | 100 | C   | 203JE1235 | I                 | 78    | 400  | 0.04  | 27    | 0.06  | 27     | 358  | 332  | 273  | 247  | 2.96 |
| AHLEM GOODNEWS-ET                     | USA 072520639       | 80K | 100 | F   | 200JE534  | P                 | 77    | 868  | -0.05 | 30    | -0.02 | 25     | 346  | 345  | 343  | 266  | 2.89 |
| D&E CRUSH OF RV {6}                   | 840003011049725     | 80K | 100 | F   | 7JE5005   | P                 | 74    | 826  | 0.04  | 47    | 0.02  | 34     | 310  | 296  | 264  | 284  | 3.01 |
| BW PURITAN                            | USA 118823784       | 99K | 100 | F   | 203JE1606 | P                 | 75    | 296  | 0.18  | 50    | 0.04  | 18     | 375  | 362  | 330  | 260  | 3.07 |
| HI-LAND PAUL FEARLESS                 | USA 067247670       | 80K | 100 | F   | 14JE685   | P                 | 76    | 1061 | -0.05 | 40    | 0.01  | 38     | 322  | 315  | 298  | 241  | 3.08 |
| DP FULL-THROTTLE-ET                   | USA 067511798       | 8K  | 100 | C   | 97JE129   | P                 | 76    | 533  | 0.21  | 67    | 0.07  | 33     | 365  | 336  | 268  | 213  | 2.95 |
| GABYS VOLCANO WARREN                  | USA 118664132       | 80K | 100 | F   | 97JE133   | P                 | 75    | 687  | -0.02 | 29    | -0.02 | 22     | 317  | 313  | 307  | 275  | 2.94 |
| ALL LYNN'S VERNON MACCAABEE-ET        | USA 118612171       | 80K | 100 | F   | 29JE3930  | I                 | 75    | 267  | 0.21  | 55    | 0.06  | 22     | 368  | 350  | 306  | 309  | 3.16 |
| JX AHLEM JUMBO SPROUT {5}             | USA 074067506       | 99K | 100 | F   | 11JE1287  | P                 | 74    | 1138 | -0.09 | 35    | -0.01 | 39     | 328  | 318  | 297  | 239  | 2.92 |
| SUN VALLEY GALVANIZE SURGE            | USA 118986621       | 80K | 100 | F   | 11JE1241  | I                 | 75    | 845  | 0.01  | 42    | 0.03  | 36     | 330  | 317  | 286  | 242  | 3.15 |
| AHLEM DIVIDEND LAWYER                 | USA 072520557       | 80K | 100 | F   | 11JE1212  | P                 | 76    | 981  | -0.10 | 27    | 0.00  | 35     | 309  | 301  | 283  | 216  | 3.01 |
| JX SPRING CREEK AMAZING TALENTS {5}   | USA 118891969       | 80K | 100 | F   | 14JE694   | P                 | 74    | 608  | 0.11  | 51    | 0.04  | 30     | 332  | 311  | 262  | 228  | 2.95 |
| HEARTLAND ZIPPER DERRICK-ET           | USA 067342697       | 80K | 100 | F   | 7JE1403   | P                 | 75    | 490  | 0.07  | 38    | 0.07  | 30     | 329  | 303  | 242  | 285  | 2.98 |
| DP MEGATRON MONACO-ET                 | USA 118831668       | 13K | 100 | F   | 97JE137   | P                 | 75    | 287  | 0.27  | 69    | 0.07  | 25     | 367  | 342  | 281  | 232  | 3.05 |
| JX ROWLEYS LAYNE JUSTICE 2133 {4}-ET  | USA 118704072       | 80K | 100 | F   | 7JE1407   | P                 | 75    | 749  | 0.02  | 40    | -0.01 | 23     | 335  | 329  | 318  | 247  | 2.87 |
| AHLEM MEGATRON WINDSTAR-ET            | USA 072520611       | 80K | 100 | F   | 7JE1411   | P                 | 75    | 39   | 0.28  | 57    | 0.11  | 23     | 333  | 297  | 213  | 224  | 2.99 |
| PINE-TREE PIERRE-P-ET                 | USA 075191001       | 80K | 100 | F   | 11JE1248  | P                 | 76    | 251  | 0.10  | 32    | 0.04  | 16     | 334  | 319  | 283  | 295  | 2.92 |
| ALL LYNN'S VOXPOP-ET                  | USA 118636133       | 80K | 100 | F   | 200JE251  | P                 | 78    | 1759 | -0.21 | 40    | -0.11 | 40     | 331  | 352  | 403  | 227  | 3.00 |
| JX SEXING PERFORM GALEN 2703 {5}-ET   | USA 071711562       | 80K | 100 | F   | 203JE1608 | P                 | 75    | 730  | -0.03 | 28    | -0.02 | 22     | 332  | 329  | 323  | 251  | 2.91 |
| JX CINNAMON RIDGE PLUS LANNY {5}      | USA 118585491       | 80K | 100 | F   | 14JE683   | P                 | 74    | 1125 | -0.03 | 48    | -0.01 | 40     | 289  | 280  | 260  | 215  | 3.04 |
| JX HEARTLAND SOPRANO UNIVERSAL {5}    | USA 067372722       | 80K | 100 | F   | 7JE1427   | P                 | 74    | 879  | 0.01  | 45    | 0.03  | 35     | 334  | 323  | 299  | 253  | 3.11 |
| AHLEM SANTANA HEROIC-P-ET             | USA 073409540       | 99K | 100 | C   | 11JE1267  | P                 | 76    | 732  | -0.03 | 29    | 0.03  | 32     | 307  | 288  | 247  | 211  | 2.92 |
| AHLEM VERNON VESPER 22137-ET          | USA 072520583       | 13K | 100 | F   | 151JE28   | P                 | 75    | 1388 | -0.23 | 20    | -0.10 | 30     | 332  | 354  | 408  | 341  | 3.11 |
| AHLEM CHUCK COOLCAT-ET                | USA 073409453       | 99K | 100 | F   | 11JE1271  | P                 | 75    | 136  | 0.13  | 32    | 0.03  | 12     | 318  | 300  | 260  | 257  | 2.84 |
| DNK ADELGAARD HICKEY HOLGER           | DNK 344802879       | 80K | 100 | F   | 14JE665   | P                 | 68    | -503 | 0.28  | 28    | 0.15  | 9      | 327  | 283  | 180  | 320  | 2.83 |
| JX RIVER VALLEY FIRECRACKER FLAME {5} | 840003013098077     | 80K | 100 | F   | 7JE5013   | P                 | 75    | 522  | 0.06  | 38    | 0.06  | 30     | 278  | 253  | 195  | 226  | 2.97 |
| SEXING LEGAL TANNER 59578-ET          | 840003010363325     | 80K | 100 | F   | 151JE1614 | P                 | 75    | 817  | -0.05 | 29    | 0.00  | 28     | 304  | 297  | 283  | 232  | 2.99 |
| JX GYPOS J CELTIC {5}                 | USA 119266841       | 13K | 100 | F   | 97JE148   | P                 | 73    | 866  | -0.04 | 32    | 0.01  | 34     | 281  | 270  | 244  | 219  | 3.04 |
| SPRING CREEK JUSTIFIED-ET             | USA 118923635       | 80K | 100 | F   | 14JE697   | P                 | 75    | 550  | 0.09  | 44    | 0.06  | 33     | 300  | 272  | 206  | 262  | 2.95 |
| JCJ ST VOL IKE                        | 840003010566109     | 80K | 100 | F   | 203JE1515 | P                 | 75    | 492  | 0.07  | 37    | 0.04  | 27     | 294  | 279  | 242  | 293  | 3.17 |
| PRESCOTT SHANNON J447 7254-ET         | 840003012257344     | 80K | 100 | F   | 7JE1382   | P                 | 76    | 270  | 0.18  | 48    | 0.03  | 17     | 331  | 307  | 255  | 259  | 2.69 |
| AHLEM BARON                           | USA 072520687       | 80K | 100 | F   | 14JE687   | P                 | 75    | 649  | -0.07 | 17    | -0.05 | 15     | 296  | 301  | 314  | 252  | 2.93 |
| RIVER VALLEY PIX PRESTIGE-P-ET        | 840003126479540     | 99K | 100 | F   | 7JE5031   | P                 | 77    | -207 | 0.19  | 28    | 0.10  | 12     | 342  | 312  | 242  | 227  | 3.01 |
| SHAN-MAR PREMIER VINNY                | USA 067108023       | 80K | 100 | C   | 1JE832    | I                 | 75    | 239  | 0.08  | 28    | 0.06  | 19     | 333  | 311  | 261  | 257  | 2.94 |
| AHLEM LADD POPPIN                     | USA 073409419       | 80K | 100 | F   | 11JE1254  | P                 | 75    | 348  | 0.08  | 32    | 0.01  | 14     | 298  | 289  | 268  | 216  | 2.86 |
| SUNSET CANYON MONTEE {6}-ET           | USA 118846660       | 80K | 100 | F   | 97JE136   | P                 | 77    | 560  | 0.21  | 70    | 0.05  | 31     | 332  | 312  | 265  | 256  | 3.10 |

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

| PL  | DPR  | CCR  | HCR  | LIV  | EFI  | JPI | Type |      | FS   | ST   | SR   | DF   | RA   | RW   | RL   | FA   | FU   | RH   | RUW  | UC   | UD   | TP   | TL   | RTP RV | RTP SV | JUI |
|-----|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-----|
|     |      |      |      |      |      |     | REL  | REL  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |        |     |
| 5.4 | -1.3 | 0.6  | 3.8  | -0.5 | 5.8  | 108 | 74   | 0.9  | -1.8 | -0.5 | -0.2 | L0.4 | -0.7 | S0.1 | L0.2 | 1.8  | 0.7  | -0.2 | -0.7 | S2.3 | C0.1 | S0.8 | C0.3 | C0.1   | 15.9   |     |
| 2.7 | 0.6  | 1.4  | 1.4  | 1.0  | 9.5  | 108 | 77   | 1.5  | 0.5  | -0.1 | 0.7  | L1.4 | 0.2  | S0.3 | S0.3 | 1.6  | 2.1  | 0.6  | 0.1  | S1.5 | C1.3 | S0.2 | C1.6 | C0.6   | 19.1   |     |
| 4.5 | -1.1 | 0.4  | 1.6  | 1.0  | 7.1  | 108 | 75   | 0.8  | 0.7  | 0.4  | 0.2  | L0.3 | 0.5  | S0.1 | S0.6 | 1.0  | 0.6  | 0.2  | 0.7  | S1.0 | C1.0 | L0.3 | C1.1 | C0.8   | 12.4   |     |
| 7.6 | 3.3  | 3.7  | 2.8  | 3.0  | 8.9  | 108 | 77   | 1.9  | 1.6  | -0.6 | 1.1  | L0.5 | 0.1  | P0.2 | S0.8 | 2.0  | 2.5  | 0.8  | 0.9  | S3.0 | C0.1 | S0.1 | C2.4 | B1.0   | 29.5   |     |
| 5.6 | -2.9 | -1.7 | 0.1  | 1.0  | 9.9  | 107 | 79   | 1.1  | -0.1 | -0.4 | 1.1  | L0.2 | 0.2  | P0.1 | S0.2 | 0.5  | 1.0  | 0.8  | 0.4  | S0.6 | W0.6 | L0.3 | C0.4 | B0.1   | 7.1    |     |
| 4.5 | -2.6 | -2.0 | 2.5  | 1.3  | 9.7  | 107 | 76   | 2.5  | 2.0  | 0.9  | 2.1  | L0.1 | 1.1  | P1.1 | S0.7 | 2.1  | 2.9  | 1.6  | 1.0  | S0.7 | C1.7 | L0.5 | C0.2 | B0.9   | 22.1   |     |
| 2.1 | -2.8 | -2.2 | 1.5  | -1.1 | 8.3  | 107 | 76   | 1.3  | 1.7  | 0.0  | 1.4  | 0.0  | 0.3  | S0.5 | S0.1 | 0.6  | 1.0  | 1.0  | 0.4  | S1.5 | C0.3 | 0.0  | C0.1 | C0.2   | 13.1   |     |
| 6.0 | -0.1 | 0.5  | 1.2  | 1.4  | 7.4  | 107 | 76   | 1.8  | 2.5  | 0.5  | 1.5  | L0.2 | 0.8  | 0.0  | S1.0 | 1.3  | 1.6  | 1.1  | 0.6  | S1.6 | C1.2 | L0.3 | W0.7 | C0.4   | 18.5   |     |
| 4.6 | -0.4 | 0.4  | 1.3  | 1.6  | 6.4  | 107 | 74   | 0.8  | -0.6 | 0.4  | -0.3 | L0.9 | 0.2  | P0.1 | S0.1 | 1.4  | 1.0  | -0.2 | -0.2 | S1.1 | W0.2 | S0.6 | W0.2 | C0.3   | 11.4   |     |
| 5.2 | -1.0 | -1.0 | 1.0  | 0.2  | 6.9  | 107 | 75   | 2.1  | 3.0  | 1.9  | 1.6  | H0.6 | 2.2  | S0.2 | S1.2 | 3.0  | 1.8  | 1.2  | 1.4  | S2.6 | C1.0 | L1.0 | C1.4 | B0.4   | 30.1   |     |
| 2.5 | -0.3 | 0.1  | -0.8 | -3.3 | 7.0  | 106 | 75   | 0.8  | -0.1 | -0.7 | 1.0  | H0.9 | 0.1  | S0.4 | S0.4 | 0.5  | 1.0  | 0.8  | 0.0  | S0.9 | C0.7 | S0.3 | C0.3 | C0.5   | 9.5    |     |
| 3.0 | 0.4  | 0.5  | 1.6  | 2.0  | 6.8  | 106 | 75   | 0.5  | 0.9  | 0.6  | 0.2  | L0.6 | 0.1  | P0.3 | S0.8 | 0.8  | 0.4  | 0.1  | 0.1  | S0.1 | C0.1 | L0.7 | W0.2 | C0.1   | 3.2    |     |
| 2.3 | -0.2 | 0.0  | 0.5  | 1.3  | 9.4  | 106 | 77   | 1.7  | 1.7  | 0.3  | 1.4  | L1.2 | 0.4  | S0.2 | S0.3 | 1.2  | 1.9  | 1.1  | 0.4  | S0.6 | C1.9 | L0.2 | C1.8 | C1.0   | 14.8   |     |
| 2.8 | -1.6 | -0.2 | 0.5  | -0.6 | 6.2  | 106 | 74   | 0.8  | 0.1  | -0.1 | 0.5  | H0.6 | 0.5  | P0.6 | S1.1 | 1.7  | 1.2  | 0.4  | -0.5 | S2.2 | W0.1 | S0.3 | 0.0  | C0.4   | 16.3   |     |
| 2.9 | -0.7 | -0.8 | -1.4 | -3.4 | 6.4  | 105 | 76   | 1.3  | 1.7  | 0.6  | 0.9  | 0.0  | 0.8  | P0.3 | S0.9 | 1.4  | 1.2  | 0.6  | 0.2  | S1.5 | C0.9 | L0.8 | W0.9 | C0.1   | 14.5   |     |
| 4.1 | -1.3 | 0.2  | 2.0  | 0.9  | 7.4  | 105 | 76   | 0.9  | -0.2 | -0.3 | 0.1  | H0.4 | 0.3  | 0.0  | S0.2 | 1.8  | 1.0  | 0.0  | -0.1 | S2.2 | C1.0 | S0.3 | C1.2 | 0.0    | 18.9   |     |
| 3.3 | -3.2 | -2.2 | 2.3  | -0.8 | 7.2  | 104 | 75   | 1.6  | 1.8  | -0.2 | 2.0  | L2.6 | -0.5 | S0.8 | L0.5 | 0.6  | 2.1  | 1.5  | 0.8  | S0.9 | C1.9 | S0.5 | C1.2 | B0.2   | 17.7   |     |
| 4.1 | -0.5 | -0.5 | -0.4 | 2.2  | 7.7  | 104 | 77   | 1.8  | 2.1  | 1.7  | 1.6  | H0.3 | 1.2  | P0.5 | S1.1 | 1.8  | 1.7  | 1.2  | 0.9  | S1.2 | C0.2 | L0.9 | C0.7 | C0.2   | 18.5   |     |
| 1.5 | 0.2  | 0.5  | -2.4 | -4.6 | 7.3  | 103 | 75   | 0.7  | 0.9  | -0.1 | 0.9  | L0.4 | 0.2  | S0.6 | S0.1 | 0.1  | 0.7  | 0.6  | -0.5 | S0.1 | C0.6 | L0.2 | C0.2 | C0.4   | 0.0    |     |
| 3.4 | -1.6 | -0.3 | 1.9  | 0.6  | 8.9  | 103 | 75   | 1.5  | 1.0  | 0.0  | 1.2  | L0.4 | 0.3  | P0.1 | S0.2 | 1.5  | 2.4  | 0.9  | 0.2  | S1.2 | C0.3 | L0.8 | C0.1 | B0.7   | 15.9   |     |
| 5.3 | -1.0 | -0.7 | 0.0  | 1.0  | 8.6  | 103 | 76   | 0.3  | 0.1  | -0.2 | -0.4 | L1.2 | -0.2 | S0.8 | 0.0  | 0.9  | -0.1 | -0.3 | 0.0  | S1.4 | W0.5 | S0.2 | W0.6 | B0.1   | 8.2    |     |
| 1.8 | 1.3  | 2.1  | 0.4  | 0.3  | 2.0  | 103 | 65   | -0.7 | 0.2  | 0.0  | -0.5 | H0.3 | 0.0  | S0.4 | S0.1 | 0.0  | -0.7 | -0.3 | 0.1  | S0.9 | C0.4 | S0.5 | W0.6 | C0.6   | 3.9    |     |
| 1.4 | -3.8 | -3.8 | -0.8 | -1.9 | 8.1  | 102 | 76   | 1.0  | 0.5  | -0.1 | 1.4  | L1.0 | -0.6 | S0.6 | L0.1 | -0.3 | 1.2  | 1.0  | 0.5  | S0.2 | W1.1 | L0.9 | C0.4 | 0.0    | 2.4    |     |
| 4.2 | -2.0 | -1.6 | 1.1  | -2.7 | 9.0  | 102 | 76   | 1.9  | 1.1  | 0.3  | 1.8  | 0.0  | 0.4  | P0.9 | S1.1 | 1.5  | 2.4  | 1.3  | 0.3  | S1.3 | C0.4 | S0.2 | C1.0 | B0.1   | 18.5   |     |
| 4.0 | -0.4 | -0.4 | 0.3  | 0.6  | 6.1  | 102 | 75   | -0.1 | -0.3 | -0.1 | -0.7 | H0.3 | -0.1 | P0.5 | S0.7 | 1.3  | -0.2 | -0.6 | 0.0  | S1.8 | W0.5 | 0.0  | C0.4 | C0.9   | 10.5   |     |
| 1.4 | -2.5 | -1.7 | 1.0  | -2.7 | 9.0  | 101 | 77   | 1.1  | 1.0  | 0.2  | 1.8  | L0.4 | -0.2 | S0.8 | L0.3 | 0.5  | 1.3  | 1.4  | 1.0  | S0.2 | C0.7 | L0.4 | C0.9 | C0.1   | 10.0   |     |
| 2.6 | -2.8 | -1.6 | 2.5  | -0.7 | 8.1  | 101 | 74   | 1.1  | 0.9  | 0.2  | 0.8  | H0.8 | 0.1  | S0.5 | S0.2 | 1.5  | 0.8  | 0.6  | 0.8  | S1.7 | C1.2 | L0.9 | C1.0 | C0.1   | 17.2   |     |
| 4.3 | -1.4 | -0.9 | 0.5  | 1.8  | 9.7  | 101 | 78   | 1.2  | 1.5  | 0.1  | 1.3  | L1.4 | -0.1 | P0.1 | S0.4 | 0.9  | 1.5  | 1.0  | -0.3 | S1.3 | C1.0 | S0.5 | C1.4 | C0.4   | 13.3   |     |
| 4.1 | -1.9 | -0.8 | 1.2  | -1.9 | 8.0  | 101 | 77   | 1.4  | 0.9  | 0.0  | 0.9  | L1.0 | -0.1 | P0.9 | S1.0 | 1.4  | 1.6  | 0.7  | 0.4  | S1.7 | W0.1 | L0.2 | C0.8 | B0.2   | 17.0   |     |
| 2.9 | -2.2 | -1.4 | 1.3  | -0.6 | 8.1  | 101 | 76   | 1.0  | -0.1 | -0.6 | 0.5  | L0.2 | -0.1 | S0.3 | S0.2 | 1.4  | 1.1  | 0.4  | 0.4  | S1.6 | C1.6 | S0.1 | C2.1 | C0.5   | 17.8   |     |
| 1.9 | -2.5 | -1.9 | 0.9  | -2.5 | 8.6  | 100 | 75   | 1.4  | 2.7  | 0.9  | 1.1  | L0.7 | 1.1  | P0.2 | S0.7 | 2.0  | 1.7  | 0.8  | 0.0  | S2.2 | C0.3 | L0.8 | W0.6 | C0.4   | 19.2   |     |
| 5.2 | -1.0 | -0.8 | 0.7  | 0.9  | 7.0  | 100 | 75   | 1.8  | 2.3  | 1.1  | 0.9  | H0.1 | 1.2  | P0.4 | S0.8 | 2.7  | 1.9  | 0.7  | 1.0  | S2.9 | C0.4 | L1.2 | C1.4 | B0.4   | 28.2   |     |
| 3.7 | -1.4 | -1.5 | 0.0  | 1.2  | 6.6  | 99  | 76   | 0.6  | 0.6  | 0.8  | 0.5  | H0.6 | 1.0  | P0.2 | S0.5 | 1.4  | 0.6  | 0.4  | 0.3  | S1.0 | W0.2 | L0.9 | W0.3 | C0.7   | 9.6    |     |
| 5.3 | -0.4 | -1.1 | -0.5 | 2.0  | 9.0  | 98  | 77   | 1.3  | 2.3  | 0.5  | 0.9  | L1.8 | 0.5  | S0.2 | S0.4 | 0.7  | 1.4  | 0.7  | 0.0  | S0.8 | C0.1 | L0.7 | W0.1 | C1.0   | 8.3    |     |
| 4.9 | -1.5 | -1.2 | 3.1  | 1.2  | 9.6  | 98  | 78   | 1.1  | 0.6  | 0.1  | 0.5  | L1.0 | 0.3  | P0.5 | S0.3 | 0.9  | 0.8  | 0.4  | -0.2 | S1.2 | C0.8 | S0.7 | C0.8 | C0.6   | 11.4   |     |
| 4.6 | -0.6 | -1.8 | -0.3 | 2.3  | 10.4 | 98  | 78   | 1.1  | 0.6  | 0.2  | 0.5  | L0.1 | 0.4  | S0.4 | S0.1 | 2.0  | 0.6  | 0.4  | 0.0  | S1.8 | C0.4 | 0.0  | C0.3 | B0.5   | 15.9   |     |
| 1.2 | 0.3  | 0.1  | -1.8 | -4.0 | 6.6  | 97  | 75   | 1.0  | 1.1  | -0.1 | 1.2  | 0.0  | 0.3  | P0.1 | S0.4 | 0.3  | 1.3  | 0.9  | 0.0  | S0.4 | C1.3 | S0.3 | W0.3 | C0.4   | 8.3    |     |
| 4.3 | -2.2 | -2.7 | 0.2  | 0.2  | 8.5  | 97  | 76   | 2.1  | 0.0  | -0.3 | 1.4  | L0.4 | 0.1  | S0.1 | S0.2 | 2.1  | 2.4  | 1.1  | -0.4 | S1.8 | C0.6 | S1.0 | C0.7 | C0.6   | 21.2   |     |
| 2.7 | -1.8 | -1.5 | 1.2  | -1.2 | 8.4  | 96  | 76   | 0.9  | 1.6  | 0.3  | 1.1  | H0.3 | 0.3  | P0.1 | S0.2 | 0.6  | 0.9  | 0.8  | 0.5  | S1.0 | C0.5 | S0.2 | W0.4 | B0.6   | 11.5   |     |
| 0.8 | -4.0 | -3.7 | -1.2 | -1.7 | 8.5  | 96  | 76   | 1.1  | 1.4  | 0.0  | 1.4  | H0.1 | 0.0  | P0.1 | S0.2 | 0.3  | 0.6  | 1.0  | 0.2  | S0.6 | W0.3 | L0.6 | W0.6 | C0.4   | 4.7    |     |
| 3.8 | -0.3 | 0.7  | 3.1  | -0.1 | 8.6  | 96  | 76   | 1.4  | 0.7  | 0.4  | 0.7  | H0.1 | 0.5  | P0.5 | S1.1 | 1.9  | 1.2  | 0.5  | 0.6  | S2.0 | C0.7 | L0.4 | C1.0 | B0.2   | 20.1   |     |
| 3.2 | 0.2  | 0.4  | -0.3 | 0.7  | 6.0  | 96  | 75   | 0.6  | 0.3  | 0.2  | 0.3  | L0.1 | 0.1  | S0.2 | S0.1 | 0.8  | 0.9  | 0.2  | -0.4 | S0.9 | 0.0  | L0.2 | W0.7 | C0.3   | 6.8    |     |
| 3.8 | -1.5 | -1.7 | -0.9 | -2.4 | 6.6  | 95  | 74   | 1.1  | 2.1  | 0.8  | 0.7  | L0.1 | 1.0  | P0.2 | S0.7 | 1.3  | 1.2  | 0.6  | 0.0  | S1.8 | W0.9 | L1.0 | W0.1 | C0.2   | 12.2   |     |
| 2.0 | -1.8 | -1.3 | -1.0 | 0.4  | 9.9  | 95  | 77   | 1.5  | 1.3  | 0.3  | 1.7  | L1.5 | 0.4  | S0.5 | S0.2 | 0.9  | 1.9  | 1.3  | 0.3  | S0.2 | C1.5 | S0.5 | C0.8 | C0.5   | 12.4   |     |
| 2.8 | -2.8 | -0.6 | 2.7  | -0.6 | 10.1 | 95  | 77   | 1.4  | -0.2 | -0.7 | 1.3  | L0.5 | -0.5 | P0.4 | S0.3 | 0.6  | 1.2  | 1.0  | 0.4  | S0.8 | C0.9 | S0.7 | C2.0 | C0.2   | 12.4   |     |
| 2.0 | -1.7 | -2.0 | -0.5 | 0.0  | 6.6  | 95  | 74   | 0.4  | 0.8  | 0.5  | 0.2  | H0.1 | 0.5  | S0.6 | S0.1 | 0.2  | 0.4  | 0.1  | 0.9  | S0.7 | C0.3 | S0.2 | C0.3 | B0.6   | 8.9    |     |
| 2.3 | 0.8  | 1.0  | 2.0  | 0.7  | 7.2  | 95  | 75   | 0.4  | 1.6  | 1.1  | 0.4  | L1.1 | 0.7  | S0.5 | L0.2 | 0.1  | 0.9  | 0.3  | -0.2 | S0.1 | W0.4 | L0.1 | W0.4 | B0.3   | 1.7    |     |
| 2.2 | -3.1 | -2.8 | -1.1 | -1.5 | 7.0  | 95  | 75   | 1.6  | 2.1  | 1.2  | 1.7  | L0.5 | 0.4  | S0.1 | S0.4 | 1.4  | 2.2  | 1.3  | 0.9  | S1.2 | W0.7 | L0.9 | W0.3 | B0.3   | 16.4   |     |
| 4.8 | -1.0 | -1.3 | 1.0  | 0.1  | 7.2  | 95  | 76   | 0.9  | 0.7  | 0.4  | 0.1  | L1.0 | 0.7  | S0.8 | L0.5 | 1.2  | 0.4  | 0.1  | 0.5  | S1.4 | 0.0  | 0.0  | C0.1 | 0.0    | 12.7   |     |
| 1.6 | -1.9 | -2.0 | -0.2 | -1.8 | 6.4  | 95  | 75   | 1.1  | 1.7  | 0.6  | 1.5  | 0.0  | -0.1 | S0.6 | S0.3 | 0.6  | 1.0  | 1.1  | 1.4  | S1.2 | W0.1 | L0.7 | C0.3 | 0.0    | 14.0   |     |
| 4.8 | 1.0  | 0.3  | 0.6  | -0.8 | 9.1  | 94  | 76   | 0.8  | 0.6  | -0.6 | 0.1  | L0.6 | 0.4  | P0.7 | S0.4 | 0.5  | 0.5  | 0.0  | 0.1  | S2.0 | 0.0  | S0.1 | C1.3 | C1.1   | 12.2   |     |
| 3.6 | -3.8 | -2.2 | 2.5  | -0.2 | 9.6  | 93  | 79   | 1.1  | 0.4  | 0.0  | 1.4  | L0.5 | 0.1  | P0.2 | S0.5 | 0.5  | 1.2  | 1.0  | 0.8  | S0.1 | W0.1 | L0.4 | C0.2 | B0.4   | 7.5    |     |
| 5.2 | -1.3 | -0.4 | 3.2  | 0.7  | 9.6  | 93  | 77   | 1.1  | 0.1  | -0.2 | 0.7  | L0.5 | -0.2 | S0.1 | L0.1 | 0.7  | 1.2  | 0.5  | 0.5  | S0.9 | C0.3 | S0.1 | C1.3 | B0.3   | 11.7   |     |
| 0.6 | -2.2 | -2.1 | -0.6 | -4.0 | 6.3  | 92  | 74   | 1.4  | 3.1  | 0.4  | 1.5  | L1.4 | 0.8  | S0.2 | S0.8 | 1.1  | 2.0  | 1.1  | 0.2  | S1.2 | C1.7 | L0.2 | C1.0 | B0.3   | 16.4   |     |
| 3.0 | -1.7 | -1.3 | 2.0  | -1.8 | 7.4  | 92  | 75   | 1.0  | 0.0  | 0.1  | 1.3  | L1.2 | 0.1  | S0.3 | S0.1 | -0.3 | 1.1  | 1.0  | -0.1 | S0.2 | W0.3 | S0.2 | C0.5 | C0.3   | 2.6    |     |
| 2.4 | -2.2 | -1.5 | 1.8  | -0.3 | 8.4  | 92  | 76   | 0.8  | -0.6 | -0.3 | 0.5  | H1.3 | -0.3 | P0.2 | S0.3 | 1.2  | 1.0  | 0.3  | 0.1  | S1.0 | W0.2 | L0.6 | C0.9 | B0.1   | 9.7    |     |
| 5.2 | 1.9  | 1.9  | 0.6  | 2.7  |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |        |     |

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

This report lists all bulls previously coded as genomically tested and marketed (NAAB status code G) that do not have 10 or more daughters with usable lactation records as of the cut-off date for this evaluation release. Official evaluations that combine the bull's genomic and progeny test information will be released after a minimum of 10 daughters have production (PTA protein) evaluations.

| Name of Bull                          | Registration Number | GT  | BBR | JH1 | NAAB Code | Current AI Status | REL % | Milk  | % Fat | Fat | % Prot | Prot | CM\$ | NM\$ | FM\$ | GM\$ | SCS  |
|---------------------------------------|---------------------|-----|-----|-----|-----------|-------------------|-------|-------|-------|-----|--------|------|------|------|------|------|------|
| SID J SPARKY MATTIE                   | USA 067266334       | 80K | 100 | F   | 11JE1232  | P                 | 75    | 795   | 0.02  | 43  | 0.02   | 30   | 316  | 303  | 275  | 188  | 2.94 |
| SUN VALLEY RENEGADE HOMERUN-ET        | USA 117818042       | 50K | 100 | F   | 151JE14   | I                 | 76    | 170   | 0.19  | 46  | 0.10   | 26   | 302  | 267  | 186  | 258  | 2.97 |
| JX AHLEM BADGER BODACIOUS (4)-ET      | USA 074067475       | 99K | 100 | F   | 29JE3995  | P                 | 75    | 879   | -0.08 | 25  | -0.05  | 20   | 313  | 315  | 326  | 225  | 2.78 |
| ALL LYNN ARCHETYPE                    | USA 118519898       | 80K | 100 | F   | 200JE1010 | P                 | 76    | 831   | -0.05 | 29  | -0.06  | 18   | 310  | 309  | 314  | 196  | 2.66 |
| BLUE MIST MARVEL MAGIC-ET             | USA 118703307       | 8K  | 100 | F   | 97JE132   | P                 | 75    | 256   | 0.14  | 40  | 0.03   | 14   | 326  | 318  | 298  | 244  | 3.08 |
| SCHULTZ VOLCANO REFLEX                | USA 118912299       | 80K | 100 | F   | 7JE1454   | P                 | 75    | 1605  | -0.21 | 35  | -0.10  | 37   | 303  | 319  | 359  | 231  | 2.93 |
| AARDEMA 4057 MARCUS (4)               | 840003012316305     | 80K | 100 | F   | 1JE903    | P                 | 75    | 413   | -0.03 | 14  | 0.02   | 17   | 285  | 274  | 249  | 228  | 2.90 |
| GABYS TAG CLARK-ET                    | USA 107007856       | 50K | 100 | F   | 147JE6207 | I                 | 76    | 7     | 0.25  | 50  | 0.09   | 19   | 318  | 293  | 230  | 272  | 3.13 |
| SUNSET CANYON PERK-ET                 | 840003005174894     | 50K | 100 | F   | 203JE1178 | I                 | 78    | 74    | 0.10  | 23  | 0.01   | 5    | 354  | 347  | 331  | 276  | 2.90 |
| JX OOMSDALE GENA AWESOME GLENN (5)-ET | USA 067180761       | 80K | 100 | F   | 14JE686   | P                 | 74    | 811   | 0.09  | 56  | 0.03   | 34   | 304  | 296  | 274  | 209  | 3.26 |
| RIVER VALLEY SHERRY MEGASCORE         | 840003012423855     | 80K | 100 | F   | 7JE5010   | P                 | 75    | 48    | 0.26  | 54  | 0.07   | 16   | 310  | 285  | 226  | 215  | 2.96 |
| JX SEXING MOZART ACTOR 2880 (5)       | 840003010651627     | 80K | 100 | F   | 151JE1602 | P                 | 75    | 920   | -0.07 | 30  | -0.04  | 25   | 270  | 277  | 294  | 214  | 3.10 |
| GRAMMER VISITOR KRYPTON               | USA 067274381       | 80K | 100 | F   | 11JE1226  | I                 | 74    | 688   | -0.02 | 28  | 0.05   | 34   | 259  | 240  | 194  | 179  | 3.08 |
| SR IRWIN SHAGGY-P                     | USA 118726582       | 80K | 100 | F   | 7JE1424   | P                 | 75    | 465   | -0.01 | 20  | 0.02   | 20   | 246  | 233  | 205  | 147  | 2.89 |
| BW GALAHAD-ET                         | USA 118888884       | 13K | 100 | F   | 203JE1607 | P                 | 76    | 75    | 0.04  | 11  | 0.01   | 5    | 262  | 252  | 233  | 182  | 2.83 |
| AHLEM PERCIVALE SHOSHONE-ET           | USA 071199820       | 80K | 100 | F   | 1JE857    | I                 | 75    | 551   | 0.06  | 38  | 0.00   | 19   | 252  | 249  | 243  | 196  | 3.05 |
| ALL LYNN REGION VENDOR-ET             | USA 117483376       | 50K | 100 | F   | 97JE107   | P                 | 78    | 693   | 0.06  | 43  | 0.03   | 30   | 299  | 290  | 266  | 165  | 3.18 |
| AMERI-MILK SAM TRIGGER                | USA 067214207       | 99K | 100 | F   | 14JE702   | P                 | 75    | 692   | -0.02 | 29  | -0.02  | 20   | 273  | 274  | 279  | 167  | 3.04 |
| AHLEM APPLEJACK MYRON                 | USA 073409418       | 80K | 100 | F   | 11JE1250  | P                 | 75    | 262   | 0.04  | 19  | 0.04   | 16   | 239  | 226  | 196  | 212  | 3.04 |
| ORTHURIDGE DEFOREST-PP-ET             | USA 119258051       | 99K | 100 | F   | 29JE4016  | I                 | 76    | 291   | 0.15  | 44  | 0.04   | 19   | 276  | 262  | 227  | 174  | 3.07 |
| SANDCREEKS FRANKLIN-ET                | 840003011509807     | 80K | 100 | F   | 200JE237  | P                 | 77    | 866   | 0.03  | 47  | 0.01   | 31   | 260  | 253  | 239  | 154  | 3.05 |
| DESERT DIAMOND MIND-ET                | USA 067169040       | 80K | 100 | F   | 200JE1003 | P                 | 76    | 376   | 0.09  | 37  | 0.06   | 25   | 264  | 243  | 196  | 183  | 3.06 |
| LEGENDAIRY TOPEKA HAILSTORM-ET        | USA 118611817       | 8K  | 100 | F   | 97JE125   | P                 | 75    | 500   | 0.09  | 40  | 0.05   | 26   | 248  | 235  | 202  | 177  | 3.13 |
| KASH-IN SAMSON STOMP-P                | 840003126234074     | 99K | 100 | F   | 14JE712   | P                 | 75    | 1057  | -0.04 | 42  | -0.02  | 33   | 247  | 247  | 248  | 156  | 3.06 |
| BW&RV NANCY NEGOTIATOR (6)-ET         | 840003012423905     | 80K | 100 | F   | 7JE5006   | P                 | 77    | 492   | 0.10  | 45  | 0.03   | 25   | 226  | 212  | 179  | 162  | 3.09 |
| WAUNAKEE VALSON JOVIAL                | USA 073596512       | 80K | 100 | F   | 11JE1237  | P                 | 74    | 590   | -0.05 | 18  | 0.01   | 23   | 229  | 222  | 206  | 201  | 3.05 |
| ALL LYNN TBONE MAJOR-ET               | USA 117043934       | 50K | 100 | C   | 97JE103   | P                 | 77    | -342  | 0.25  | 32  | 0.11   | 9    | 259  | 232  | 168  | 214  | 3.12 |
| JX BUTTERCREST GLISTEN (4)-ET         | USA 118704456       | 80K | 100 | C   | 200JE536  | P                 | 75    | 821   | -0.09 | 19  | -0.03  | 23   | 229  | 230  | 234  | 150  | 2.97 |
| SUNNY RIDGE IRWIN CAGE 10078          | 840003012662610     | 80K | 100 | F   | 151JE1601 | I                 | 75    | 315   | 0.13  | 41  | 0.03   | 18   | 244  | 230  | 199  | 147  | 3.02 |
| DP FASCINATION-ET                     | USA 118672182       | 80K | 100 | C   | 200JE537  | P                 | 77    | 335   | 0.02  | 21  | 0.02   | 16   | 225  | 214  | 188  | 115  | 2.95 |
| AHLEM TEXAS WILDCAT 22702-ET          | USA 074067487       | 99K | 100 | F   | 250JE1511 | P                 | 75    | -22   | 0.02  | 3   | 0.07   | 14   | 205  | 178  | 116  | 132  | 2.93 |
| SUN VALLEY TOPEKA POLYPRO-ET          | USA 118565536       | 80K | 100 | C   | 97JE126   | P                 | 76    | 449   | 0.02  | 27  | 0.07   | 30   | 217  | 194  | 141  | 137  | 3.12 |
| SHOT OF NAT PRESCOTT ATABOY           | USA 118710356       | 80K | 100 | F   | 29JE3958  | I                 | 76    | 790   | 0.01  | 40  | 0.03   | 34   | 223  | 209  | 176  | 184  | 3.07 |
| ALL LYNN PERFORM TRITON-ET            | USA 118435723       | 80K | 100 | F   | 147JE6218 | I                 | 76    | 1154  | -0.13 | 28  | -0.07  | 26   | 215  | 227  | 258  | 120  | 2.98 |
| ST-LO VALENTINO DARLINO               | CAN 107202435       | 50K | 100 | F   | 147JE6205 | I                 | 76    | 663   | -0.05 | 21  | -0.01  | 20   | 213  | 214  | 216  | 126  | 3.04 |
| GABYS TAG TRUMAN-ET                   | CAN 107203352       | 50K | 100 | F   | 147JE6206 | I                 | 76    | -195  | 0.22  | 35  | 0.06   | 5    | 245  | 230  | 194  | 214  | 3.08 |
| RIVER VALLEY SAL MEGASHOT-P           | 840003012423864     | 80K | 100 | C   | 7JE5008   | P                 | 75    | 142   | 0.30  | 67  | 0.08   | 21   | 233  | 209  | 150  | 82   | 3.08 |
| GABYS HEADLINE JOURNALIST-ET          | USA 117168811       | 50K | 100 | F   | 147JE6202 | I                 | 78    | 1012  | -0.18 | 11  | -0.08  | 19   | 187  | 206  | 254  | 150  | 3.05 |
| GABYS JUMPSHOT ZEKE-ET                | USA 116649865       | 50K | 100 | F   | 203JE982  | I                 | 76    | 50    | 0.00  | 2   | 0.04   | 10   | 158  | 139  | 96   | 162  | 2.85 |
| COVINGTON RENEGADE BELDEN             | USA 117840474       | 50K | 100 | F   | 76JE168   | I                 | 74    | 33    | 0.11  | 23  | 0.06   | 10   | 202  | 184  | 142  | 159  | 2.89 |
| WILSONVIEW CHAMPS SKYCHIEF            | USA 117111426       | 50K | 100 | F   | 203JE1155 | I                 | 78    | 166   | 0.03  | 14  | 0.03   | 12   | 149  | 138  | 114  | 138  | 3.01 |
| GABYS ALAN-ET                         | CAN 106797219       | 50K | 100 | F   | 147JE6208 | I                 | 77    | 88    | 0.20  | 44  | 0.05   | 14   | 194  | 177  | 137  | 139  | 3.04 |
| ISAU BROADLIN NAVAGAY-ET              | AUS A20594745       | 50K | 100 | F   | 200JE8156 | I                 | 73    | 898   | -0.05 | 34  | -0.03  | 23   | 143  | 155  | 182  | 137  | 3.18 |
| BUTTERCREST GLASGOW-ET                | USA 117203756       | 50K | 100 | C   | 151JE9    | I                 | 76    | 544   | -0.01 | 23  | -0.03  | 11   | 164  | 173  | 194  | 87   | 3.01 |
| VERMALAR BRANDON-ET                   | CAN 107206270       | 50K | 100 | F   | 147JE6211 | I                 | 75    | -236  | 0.13  | 14  | 0.04   | -2   | 121  | 111  | 87   | 71   | 2.93 |
| RIVER VALLEY SPICE SHOWDOWN           | 840003012423904     | 80K | 100 | F   | 7JE5015   | P                 | 75    | -636  | 0.18  | 3   | 0.11   | -2   | 120  | 96   | 36   | 104  | 3.11 |
| VERJATIN CELEB STANLEY CUP-ET         | CAN 106596050       | 50K | 100 | F   | 147JE6199 | I                 | 76    | -132  | 0.15  | 22  | 0.04   | 4    | 113  | 105  | 85   | 106  | 3.17 |
| CHILLI IRWIN CAJUN-ET                 | USA 071577244       | 80K | 100 | F   | 97JE124   | P                 | 77    | -485  | 0.10  | -6  | 0.06   | -5   | 78   | 63   | 27   | 12   | 3.02 |
| RIVER VALLEY MARMIE MY-O-MY-ET        | 840003011049732     | 80K | 100 | F   | 7JE5003   | P                 | 74    | -502  | 0.11  | -3  | 0.09   | -3   | 95   | 77   | 33   | 99   | 3.05 |
| RIVER VALLEY MAGIC GENIE-ET           | 840003013097991     | 80K | 100 | F   | 7JE5019   | P                 | 75    | -923  | 0.22  | -1  | 0.11   | -12  | 88   | 62   | 0    | 78   | 2.98 |
| CINNAMON RIDGE CHAMP CANDYLAND        | USA 117001327       | 50K | 100 | C   | 203JE1154 | I                 | 76    | 116   | 0.05  | 16  | 0.03   | 11   | 50   | 37   | 8    | 6    | 2.96 |
| RICHIES GREATNESS GREAT A440          | USA 116486303       | 50K | 100 | C   | 203JE951  | I                 | 76    | 432   | -0.10 | 1   | -0.06  | 5    | 60   | 74   | 106  | 62   | 3.01 |
| WOODSTOCK LANDON                      | USA 115360057       | 50K | 100 | C   | 203JE774  | I                 | 76    | -262  | 0.13  | 13  | 0.06   | 2    | 101  | 85   | 45   | 82   | 2.96 |
| MVF LOUIE HOMERUN-ET                  | USA 067181697       | 50K | 100 | F   | 203JE1229 | I                 | 76    | 962   | -0.15 | 16  | -0.08  | 17   | 66   | 82   | 124  | 19   | 2.95 |
| PRAIRIE HARBOUR LINCOLN               | USA 067000902       | 50K | 100 | F   | 147JE6170 | I                 | 76    | 186   | -0.11 | -13 | -0.03  | 1    | -24  | -15  | 5    | -22  | 3.04 |
| RIVER VALLEY JUDGES VERDICT-ET        | 840003011049728     | 80K | 100 | F   | 7JE5001   | P                 | 75    | -467  | 0.09  | -5  | 0.07   | -4   | 29   | 16   | -19  | -21  | 3.10 |
| SUN VALLEY JEWELER ALAMO-ET           | USA 115545878       | 50K | 100 | F   | 203JE771  | I                 | 77    | 542   | -0.13 | 1   | -0.04  | 13   | -21  | -13  | 7    | -44  | 3.08 |
| RIVER VALLEY RIC RINGMAN-ET           | 840003126479535     | 99K | 100 | F   | 7JE5034   | P                 | 74    | -1151 | 0.23  | -11 | 0.09   | -24  | -25  | -40  | -78  | 9    | 3.07 |
| BW ACTION PONTIFF-ET                  | USA 116810890       | 50K | 100 | F   | 203JE1115 | I                 | 78    | 341   | -0.11 | -5  | -0.06  | 0    | 2    | 22   | 70   | 9    | 3.13 |
| BW JESTER-ET                          | USA 116492829       | 50K | 100 | C   | 200JE997  | I                 | 77    | -171  | 0.10  | 10  | 0.06   | 6    | -27  | -38  | -68  | -70  | 3.19 |
| ISAU RIVERSIDE AUTOMATIC              | AUS A20594736       | 50K | 100 | C   | 200JE8155 | I                 | 73    | 108   | -0.04 | -1  | -0.02  | -1   | -32  | -21  | 5    | -18  | 3.13 |
| RIVER VALLEY SPICE SHUT OUT-ET        | 840003013097952     | 80K | 100 | F   | 7JE5023   | P                 | 75    | -1103 | 0.16  | -21 | 0.08   | -25  | -183 | -189 | -206 | -187 | 3.21 |
| SNAFU HOLBRIC BILLINGS                | USA 119166365       | 99K | 100 | F   | 94JE3986  | P                 | 74    | -1294 | 0.23  | -17 | 0.10   | -25  | -314 | -326 | -359 | -339 | 3.31 |

# Herd Register or Generation Count 4-6 and BBR 100: Previous G-code Bulls by Genomic JPI August 2017

| PL   | DPR  | CCR  | HCR  | LIV  | EFI  | JPI | Type |      | FS   | ST   | SR   | DF   | RA   | RW   | RL   | FA   | FU   | RH   | RUW  | UC   | UD   | TP   | TL   | RTP RV | RTP SV | JUI |
|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|-----|
|      |      |      |      |      |      |     | REL  | REL  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |        |     |
| 2.4  | -3.1 | -3.2 | 0.3  | 0.9  | 8.5  | 87  | 76   | 1.1  | 0.4  | 0.2  | 1.2  | L0.9 | 0.8  | P0.1 | S0.2 | -0.1 | 0.1  | 0.9  | 0.7  | S0.2 | C1.8 | S0.6 | C2.0 | C1.2   | 7.0    |     |
| 0.7  | 0.2  | 0.7  | 1.1  | -1.6 | 6.2  | 87  | 78   | 0.1  | 0.3  | 0.1  | 0.4  | L0.9 | -0.2 | S0.5 | L0.1 | -0.1 | 0.7  | 0.3  | -0.1 | D1.1 | 0.0  | S0.3 | C0.4 | C1.5   | -3.3   |     |
| 5.6  | -1.7 | -0.7 | 1.9  | -0.1 | 7.8  | 87  | 75   | 1.4  | 1.2  | 0.2  | 0.9  | L0.3 | 0.3  | P0.2 | S0.6 | 1.2  | 0.5  | 0.7  | 0.7  | S1.5 | C0.9 | L0.2 | C1.6 | 0.0    | 15.1   |     |
| 5.2  | -2.5 | -2.7 | 0.9  | -0.3 | 10.7 | 87  | 77   | 1.8  | 1.3  | 0.5  | 1.8  | L0.7 | 0.4  | S0.7 | S0.1 | 0.7  | 1.6  | 1.3  | 1.4  | S0.8 | C1.4 | S0.2 | C0.9 | B0.5   | 17.4   |     |
| 4.1  | -1.2 | -0.7 | 1.1  | 1.8  | 7.5  | 87  | 75   | 1.5  | 0.4  | 0.2  | 0.5  | H0.6 | 0.7  | P0.4 | S1.1 | 2.0  | 0.6  | 0.4  | 0.3  | S2.3 | C1.3 | S0.5 | C0.2 | C0.8   | 21.2   |     |
| 3.1  | -2.3 | -1.4 | 1.6  | -0.8 | 8.1  | 86  | 76   | 0.9  | -0.1 | 0.1  | 1.1  | L0.3 | 0.0  | P0.1 | 0.0  | 0.5  | 1.0  | 0.8  | 0.1  | D0.3 | C0.5 | L0.5 | C0.6 | 0.0    | 3.0    |     |
| 5.0  | 0.2  | 0.3  | 3.0  | 2.0  | 9.1  | 86  | 75   | 1.0  | 0.9  | 0.8  | 0.0  | L0.1 | 0.7  | P0.5 | S0.6 | 1.5  | 0.6  | 0.0  | 1.0  | S2.2 | C0.8 | S0.2 | C1.7 | C0.4   | 20.9   |     |
| 2.6  | 0.8  | 1.4  | 0.0  | 0.6  | 6.4  | 82  | 79   | 0.3  | 0.5  | 0.8  | -0.3 | L0.6 | 0.4  | S0.2 | S0.4 | 0.7  | 0.1  | -0.2 | -0.6 | S0.2 | C0.3 | S0.2 | C0.2 | C1.5   | 1.5    |     |
| 7.6  | 0.1  | 0.6  | 0.1  | 2.9  | 8.0  | 82  | 78   | 0.6  | 0.5  | -0.2 | 0.5  | L0.9 | -0.4 | P0.3 | S0.6 | 1.3  | 0.7  | 0.4  | -0.2 | S1.5 | W0.1 | L0.1 | W0.2 | C0.8   | 11.2   |     |
| 1.7  | -2.6 | -2.6 | 0.9  | -1.7 | 6.9  | 81  | 75   | 0.9  | 1.4  | 0.2  | 1.5  | H0.1 | 0.5  | S0.3 | S0.4 | -0.1 | 1.0  | 1.2  | 0.7  | D0.3 | C1.1 | L0.1 | C0.6 | C0.1   | 5.1    |     |
| 1.8  | -1.8 | -1.5 | -1.1 | -1.4 | 6.9  | 80  | 75   | 1.0  | 0.2  | 0.0  | 0.9  | L0.4 | -0.4 | S0.1 | L0.1 | 0.7  | 1.6  | 0.7  | 0.3  | S0.6 | W0.2 | L0.2 | W0.4 | C0.1   | 9.5    |     |
| 4.0  | -0.4 | -1.3 | 0.1  | 1.3  | 7.9  | 78  | 75   | 1.0  | 0.9  | 0.8  | 0.2  | L0.7 | 0.6  | S0.3 | L0.2 | 1.1  | 1.3  | 0.1  | 0.4  | S1.2 | C1.3 | S0.5 | C1.0 | B0.3   | 15.9   |     |
| 1.7  | -1.8 | -0.8 | -0.5 | -1.4 | 8.2  | 77  | 75   | 1.0  | 1.5  | -0.1 | 1.1  | L0.9 | 0.1  | S0.4 | S0.6 | 0.2  | 0.8  | 0.8  | 0.5  | S0.7 | C0.5 | L0.2 | C1.0 | C0.2   | 8.1    |     |
| 3.3  | -2.2 | -2.2 | 1.4  | -0.1 | 9.3  | 75  | 77   | 1.4  | 0.8  | -0.1 | 0.3  | L0.5 | -0.4 | P0.3 | L0.3 | 1.8  | 1.6  | 0.2  | -0.4 | S2.5 | 0.0  | S0.2 | C0.7 | B0.1   | 19.3   |     |
| 5.5  | -0.6 | -1.2 | 0.6  | 2.3  | 10.0 | 75  | 77   | 1.8  | 0.7  | 0.2  | 0.3  | H0.4 | 0.0  | P0.1 | 0.0  | 3.1  | 1.7  | 0.3  | -0.2 | S3.2 | C0.9 | S0.4 | C0.3 | C0.2   | 28.6   |     |
| 1.6  | -0.9 | -0.9 | -2.6 | 0.6  | 6.5  | 74  | 75   | 1.2  | 0.5  | 0.4  | 0.6  | 0.0  | 0.5  | P0.1 | S0.4 | 1.4  | 1.4  | 0.5  | 0.3  | S1.7 | C0.9 | S1.3 | C0.5 | B0.2   | 19.7   |     |
| 2.7  | -3.6 | -2.8 | -0.3 | 1.5  | 8.7  | 73  | 78   | 0.5  | -0.6 | 0.2  | 0.5  | H0.3 | 0.1  | S0.4 | S0.4 | 0.9  | 0.6  | 0.3  | 0.1  | S0.6 | W0.7 | L0.3 | W0.2 | B0.5   | 5.9    |     |
| 3.4  | -2.8 | -2.0 | 1.1  | 2.5  | 10.0 | 73  | 77   | 2.1  | 1.9  | 0.5  | 1.4  | L0.1 | 0.5  | S0.2 | S0.8 | 1.8  | 1.5  | 1.0  | 0.6  | S1.5 | C1.3 | L0.7 | C1.3 | C0.2   | 18.7   |     |
| 3.1  | 0.1  | 0.3  | 2.0  | -2.1 | 9.2  | 73  | 77   | 1.6  | 1.7  | -0.6 | 1.6  | L0.7 | 0.0  | S0.1 | S0.2 | 0.9  | 2.2  | 1.2  | 0.1  | S1.3 | C0.7 | S0.4 | W0.1 | C0.4   | 16.2   |     |
| 2.2  | -2.2 | -2.5 | -0.7 | 0.1  | 8.0  | 72  | 76   | 0.8  | 0.5  | -0.3 | 1.2  | L0.2 | -0.4 | S0.7 | L0.1 | -0.4 | 0.3  | 0.9  | 0.6  | S0.9 | C0.7 | S0.5 | C0.9 | C0.1   | 7.8    |     |
| 0.4  | -3.6 | -1.8 | 1.1  | 0.0  | 9.8  | 71  | 78   | 1.5  | 2.5  | 1.0  | 2.1  | L0.2 | 1.1  | S0.1 | S1.0 | 0.2  | 0.8  | 1.6  | 1.0  | D0.3 | C1.5 | L1.2 | C1.3 | C1.0   | 5.4    |     |
| 1.7  | -2.2 | -0.4 | 1.3  | -2.5 | 8.4  | 71  | 77   | 0.5  | 0.1  | -0.7 | 1.1  | L1.5 | -1.0 | S0.3 | S0.2 | 0.0  | 1.6  | 0.8  | -0.5 | D0.5 | C0.5 | S0.2 | C0.4 | C0.4   | 1.0    |     |
| 2.4  | -1.8 | -1.2 | 1.9  | -3.7 | 7.0  | 70  | 75   | 1.3  | 1.2  | 1.0  | 1.4  | L0.8 | 0.5  | P0.8 | S0.7 | 1.0  | 1.5  | 1.0  | 0.7  | S1.0 | W0.3 | L0.7 | C0.6 | C0.4   | 12.6   |     |
| 0.6  | -2.9 | -2.8 | -1.1 | -0.4 | 7.9  | 69  | 76   | 1.3  | 1.8  | 0.1  | 1.3  | L1.7 | -0.1 | S0.6 | L0.3 | 0.2  | 1.2  | 1.0  | -0.4 | S0.4 | C0.6 | L0.4 | C0.3 | C1.2   | 4.2    |     |
| 0.3  | -2.0 | -2.5 | -3.3 | -6.0 | 8.2  | 69  | 80   | 1.9  | 1.3  | -0.6 | 1.7  | H0.5 | 0.4  | P0.5 | S0.5 | 2.1  | 2.4  | 1.3  | -1.0 | S1.9 | C1.1 | S0.6 | C0.9 | C0.5   | 19.4   |     |
| 3.0  | 0.1  | 1.0  | -0.9 | -2.0 | 7.7  | 69  | 75   | 1.2  | 1.0  | -0.2 | 0.4  | H0.8 | 0.2  | P0.7 | S0.5 | 1.6  | 1.3  | 0.3  | -0.2 | S1.4 | C0.4 | S0.1 | C1.1 | B0.3   | 14.1   |     |
| 2.2  | 0.2  | 0.9  | 2.6  | 1.8  | 9.7  | 69  | 80   | 0.7  | -0.5 | 0.2  | 0.3  | L0.3 | -0.1 | S0.1 | S1.1 | 0.7  | 0.0  | 0.2  | 0.4  | S0.4 | C2.0 | S0.4 | C0.9 | B0.3   | 8.5    |     |
| 3.6  | -1.6 | -1.5 | 1.1  | 0.9  | 8.2  | 68  | 76   | 1.8  | 2.3  | 1.0  | 0.3  | L1.4 | 0.6  | P0.4 | S0.2 | 1.3  | 1.7  | 0.2  | 0.4  | S1.8 | C1.0 | L0.2 | C0.1 | B0.2   | 18.7   |     |
| 1.2  | -2.6 | -2.2 | 1.5  | 0.2  | 8.6  | 67  | 76   | 1.1  | 0.9  | 0.3  | -0.1 | L1.4 | -0.4 | P0.2 | L0.1 | 1.6  | 1.6  | 0.0  | -0.8 | S1.8 | C0.2 | S0.1 | W0.6 | C0.2   | 14.1   |     |
| 2.4  | -2.8 | -3.1 | -0.7 | 1.1  | 10.5 | 67  | 78   | 1.7  | 1.6  | -0.6 | 0.2  | L0.7 | -0.3 | P0.3 | 0.0  | 1.8  | 1.7  | 0.1  | 0.3  | S3.1 | C0.3 | 0.0  | W0.1 | C0.6   | 25.0   |     |
| 4.2  | -0.7 | -0.2 | 2.4  | -0.8 | 8.1  | 67  | 76   | 2.0  | 2.5  | 1.1  | 1.3  | L0.4 | 1.1  | P0.4 | S0.7 | 1.8  | 1.8  | 0.9  | 1.0  | S3.0 | C0.9 | L0.5 | C1.2 | B0.2   | 27.6   |     |
| 2.0  | -1.9 | -1.4 | 0.9  | -3.6 | 7.8  | 65  | 77   | 1.1  | 1.2  | 0.5  | 1.4  | L1.6 | 0.3  | P0.4 | S0.4 | 0.5  | 1.5  | 1.1  | 0.3  | S0.7 | W0.2 | 0.0  | C0.3 | C0.1   | 9.5    |     |
| 0.0  | -0.7 | -0.4 | -1.5 | -3.7 | 7.4  | 64  | 77   | -0.1 | 1.1  | -0.1 | 0.0  | L0.1 | 0.4  | 0.0  | S0.7 | -0.1 | -0.1 | 0.0  | -1.3 | S0.5 | W0.2 | S0.3 | W0.4 | C0.2   | -3.1   |     |
| 2.8  | -3.8 | -2.5 | 1.6  | -2.3 | 8.4  | 59  | 77   | 1.0  | -0.1 | -0.5 | 1.4  | L0.6 | -0.6 | S0.2 | S0.2 | 0.1  | 0.8  | 1.0  | 0.5  | S0.4 | C0.8 | S0.2 | C1.1 | B0.8   | 7.6    |     |
| 3.3  | -2.0 | -2.4 | -0.3 | 0.5  | 8.6  | 57  | 76   | 1.4  | 1.2  | 0.2  | 1.2  | L0.4 | 0.1  | S0.2 | L0.3 | 1.1  | 0.9  | 0.9  | 0.1  | S1.1 | C0.8 | L0.5 | C0.4 | C0.2   | 11.1   |     |
| 2.7  | 0.6  | 0.8  | 0.0  | 0.7  | 6.2  | 57  | 77   | 0.3  | 0.4  | 0.1  | 0.0  | H0.6 | 0.1  | P0.2 | S1.2 | 1.4  | 0.4  | 0.0  | -0.5 | S0.9 | W0.3 | L0.3 | W0.1 | C1.5   | 6.3    |     |
| -1.2 | -4.6 | -4.3 | -1.4 | 0.0  | 6.2  | 55  | 77   | 0.7  | 1.1  | 1.0  | 0.7  | L1.6 | -0.1 | S0.5 | L0.3 | -0.2 | 0.9  | 0.5  | 1.0  | D0.2 | W0.5 | L0.7 | W0.4 | B0.6   | 3.1    |     |
| 3.4  | -0.8 | -0.3 | -1.0 | 1.5  | 8.7  | 51  | 80   | 1.2  | 0.7  | 0.3  | 1.3  | L0.8 | 0.3  | S0.1 | S0.3 | 0.9  | 1.3  | 1.0  | 0.1  | S0.6 | C1.1 | 0.0  | C0.9 | C0.9   | 10.5   |     |
| 1.7  | 1.4  | 2.3  | -1.4 | -1.1 | 7.1  | 51  | 76   | 0.1  | -0.9 | -1.2 | -0.3 | H0.2 | -0.8 | P0.4 | L0.1 | 0.1  | 0.7  | -0.2 | -0.1 | S0.6 | W0.4 | S0.4 | W0.6 | C0.6   | 4.5    |     |
| 2.5  | 0.1  | 1.0  | 1.3  | 0.4  | 6.2  | 51  | 76   | 0.0  | 0.8  | 0.3  | -0.3 | L0.1 | 0.5  | S0.1 | S0.9 | 0.2  | -0.9 | -0.2 | -0.4 | S0.1 | C0.6 | S0.3 | C0.4 | C0.8   | -1.7   |     |
| 1.4  | 0.4  | 0.0  | 0.8  | -1.5 | 10.1 | 49  | 80   | 0.9  | 0.0  | -0.1 | 0.7  | L0.8 | -0.6 | S0.1 | 0.0  | 0.8  | 0.7  | 0.5  | 0.1  | S0.8 | C0.9 | S0.2 | C0.8 | B0.1   | 9.6    |     |
| -0.1 | -1.0 | -0.7 | -1.2 | -0.4 | 6.8  | 47  | 77   | 0.2  | -0.2 | 0.3  | -0.3 | L0.9 | 0.2  | S0.2 | S0.2 | 0.3  | 0.6  | -0.2 | 0.1  | D0.4 | W0.5 | L1.2 | W0.4 | C1.3   | -1.6   |     |
| -0.3 | -0.2 | -0.7 | 0.6  | 0.4  | 8.0  | 41  | 75   | 0.1  | 0.4  | 0.4  | 0.8  | L0.8 | 0.5  | S0.7 | L0.6 | -1.1 | -0.2 | 0.6  | 0.5  | D1.7 | C0.5 | S0.4 | C0.9 | B0.1   | -8.0   |     |
| 2.1  | -2.1 | -2.9 | -1.5 | 1.6  | 7.4  | 36  | 78   | 1.0  | 0.6  | 0.6  | 0.4  | H0.4 | 0.4  | P0.2 | S1.2 | 1.5  | 0.8  | 0.3  | -0.5 | S1.4 | W0.1 | S0.2 | C0.8 | B0.4   | 10.9   |     |
| 2.1  | -0.7 | -1.7 | 1.1  | 0.3  | 8.7  | 34  | 76   | 1.0  | 0.6  | 0.1  | 0.5  | H0.6 | 0.4  | S0.2 | S0.3 | 1.1  | 0.4  | 0.4  | 0.4  | S1.5 | C1.6 | S0.2 | C1.1 | B0.1   | 14.8   |     |
| 2.0  | 1.1  | 0.3  | 1.1  | 1.1  | 6.1  | 31  | 75   | 1.2  | 0.9  | 0.3  | 1.0  | H1.5 | 0.7  | P0.8 | S1.1 | 1.6  | 0.3  | 0.8  | 0.2  | S1.4 | C0.4 | L0.2 | C0.3 | C0.3   | 12.7   |     |
| 1.3  | 0.4  | -0.1 | 1.2  | -1.5 | 8.0  | 30  | 76   | 0.7  | 1.7  | 0.1  | 1.0  | H0.2 | 0.7  | P0.3 | S0.5 | 0.3  | 0.7  | 0.8  | 0.2  | S0.7 | W0.5 | S0.3 | C0.5 | 0.0    | 6.6    |     |
| 2.2  | -1.7 | -1.5 | 1.1  | 0.9  | 9.6  | 26  | 78   | 1.7  | 1.0  | -0.4 | 1.3  | H0.2 | 0.0  | P0.2 | S0.6 | 2.5  | 1.9  | 1.0  | 0.0  | S2.6 | C1.6 | S1.1 | C0.7 | 0.0    | 27.6   |     |
| 2.4  | 1.8  | 1.7  | -0.4 | 1.2  | 4.3  | 22  | 73   | 0.4  | 1.0  | 0.1  | -0.2 | H0.2 | 0.0  | P0.2 | S0.5 | 1.0  | 0.4  | -0.2 | -0.3 | S1.6 | W1.2 | L0.9 | W1.5 | C0.4   | 6.9    |     |
| 2.9  | 1.7  | 1.2  | 1.3  | 1.5  | 7.1  | 22  | 75   | 1.2  | 1.7  | 1.1  | 0.5  | H0.1 | 1.1  | P0.6 | S1.2 | 1.2  | 0.4  | 0.4  | 0.4  | S1.9 | W0.1 | S0.3 | 0.0  | C0.4   | 14.9   |     |
| -1.7 | -1.7 | -2.7 | -2.2 | -2.9 | 9.7  | 20  | 77   | 1.0  | 0.4  | -0.4 | 1.1  | H0.2 | -0.2 | S0.1 | L0.1 | 0.6  | 0.8  | 0.8  | -0.2 | S0.8 | C0.3 | L0.1 | C1.5 | 0.0    | 6.9    |     |
| 1.4  | -0.2 | 0.1  | 0.6  | 0.0  | 9.1  | 20  | 78   | 1.2  | 1.7  | 0.8  | 1.4  | H0.7 | 0.8  | P0.3 | S1.3 | 1.0  | 1.3  | 1.0  | 0.9  | S0.9 | C0.6 | L0.5 | C0.7 | B1.1   | 13.8   |     |
| 0.2  | 0.2  | -0.5 | -0.3 | -0.3 | 7.8  | 20  | 77   | 0.2  | 0.0  | -0.4 | 0.5  | H0.4 | -0.6 | P0.6 | S0.5 | -0.2 | 0.1  | 0.4  | -0.4 | D0.5 | 0.0  | L0.8 | W0.6 | B0.3   | -5.3   |     |
| 0.3  | -2.0 | -3.1 | -2.3 | -1.1 | 7.6  | 14  | 78   | -0.1 | -0.4 | -0.1 | -0.2 | L0.3 | -0.2 | S0.1 | S0.3 | -0.2 | -0.1 | -0.2 | 0.2  | D0.8 | 0.0  | 0.0  | W0.4 | C0.1   | -3.7   |     |
| 0.7  | -0.5 | 0.5  | 0.6  | 0.1  | 8.1  | 4   | 78   | 1.0  | 0.3  | 0.0  | 0.9  | L0.5 | -0.2 | S0.4 | L0.5 | 0.8  | 1.6  | 0.7  | 0.9  | S0.4 | C0.3 | S0.9 | W0.7 | B0.1   | 13.6   |     |
| 1.7  | -0.9 | -0.8 | 0.9  | 2.1  | 7.3  | 3   | 76   | 0.9  | 1.0  | 0.8  | 0.2  | H0.8 | 1.0  | P0.3 | S0.6 | 1.2  | 0.8  | 0.2  | 0.6  | S1.1 | C0.4 | L0.2 | W0.1 | B0.1   | 13.0   |     |
| -1.1 | -2.0 | -2.7 | 1.4  | -2.6 | 7.4  | 2   | 77   | 0.4  | -1.0 | -0.  |      |      |      |      |      |      |      |      |      |      |      |      |      |        |        |     |