|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SNP1 Name** | **SNP** | **Trait** | **BTA2** | **Location (bp)3** | **Source** |
| ARS-BFGL-NGS-67327 | rs110505759 | Body Weight (mature) | 3 | 72519744 | [1] |
| ARS-BFGL-NGS-41839 | rs110564947 | Body Weight (mature) | 1 | 76416854 | [1] |
| ARS-BFGL-NGS-39379 | rs110421124 | Body Weight (mature) | 5 | 106269362 | [1] |
| ARS-BFGL-NGS-18900 | rs110059753 | Body Weight (mature) | 7 | 93218452 | [1] |
| ARS-BFGL-NGS-6079 | rs110835938 | Body Weight (mature) | 7 | 21595908 | [1] |
| ARS-BFGL-NGS-97944 | rs41711496 | Daughter Preg Rate/Prod. Life | 13 | 75567844 | [2] |
| BTB-01271264 | rs42397090 | Early Embryonic Survival | 8 | 27557552 | [3] |
| ARS-BFGL-NGS-45806 | rs110721971 | Early Embryonic Survival | 12 | 37025686 | [3] |
| ARS-BFGL-NGS-103355 | rs110464321 | Early Embryonic Survival | 13 | 19590132 | [3] |
| Hapmap58887-rs29013502 | rs29013502 | Heat Stress | 24 | 28907154 | [4] |
| Hapmap47861-BTA-120563 | rs41622115 | Heat Stress | 5 | 89472174 | [4] |
| Hapmap47403-BTA-76048  | rs41567027 | Heat Stress | 6 | 45153190 | [4] |
| Hapmap46698-BTA-38760  | rs41579673 | Heat Stress | 16 | 35317388 | [4] |
| Hapmap39941-BTA-70878  | rs41573162 | Heat Stress | 4 | 64386271 | [4] |
| Hapmap30420-BTC-039335 | rs109279094 | Heat Stress | 6 | 45175137 | [4] |
| BTB-01646599  | rs42761380 | Heat Stress | 24 | 28941584 | [4] |
| BTB-01485274  | rs42609685 | Heat Stress | 24 | 28877547 | [4] |
| BTB-01267080  | rs42394542 | Heat Stress | 5 | 89512928 | [4] |
| BTB-01267042  | rs42393904 | Heat Stress | 5 | 89568937 | [4] |
| BTB-00638221  | rs41798380 | Heat Stress | 16 | 35272426 | [4] |
| BTA-27496-no-rs | rs41609304 | Heat Stress | 12 | 2500836 | [4] |
| ARS-BFGL-NGS-89847  | rs110209659 | Heat Stress | 7 | 2457750 | [4] |
| ARS-BFGL-NGS-71584  | rs42090237  | Heat Stress | 26 | 20290497 | [4] |
| ARS-BFGL-NGS-458 | rs111023020 | Heat Stress | 4 | 64351574 | [4] |
| ARS-BFGL-NGS-41140  | rs42042561 | Heat Stress | 24 | 28975828 | [4] |
| ARS-BFGL-NGS-35716  | rs110012069 | Heat Stress | 24 | 29013292 | [4] |
| ARS-BFGL-NGS-29516  | rs109002679 | Heat Stress | 23 | 14246801 | [4] |
| ARS-BFGL-NGS-23064  | rs109890402 | Heat Stress | 26 | 20365711 | [4] |
| ARS-BFGL-NGS-16848 | rs110076378  | Heat Stress | 28 | 2924302 | [4] |
| ARS-BFGL-NGS-108847  | rs43719996 | Heat Stress | 16 | 58500249 | [4] |
| ARS-BFGL-NGS-107395  | rs110333567 | Heat Stress | 29 | 47527067 | [4] |
| ARS-BFGL-NGS-106628 | rs110691682 | Heat Stress | 16 | 35172005 | [4] |
| ARS-BFGL-NGS-10307  | rs109477915 | Heat Stress | 26 | 20259486 | [4] |
| ARS-BFGL-NGS-100932  | rs41798395 | Heat Stress | 16 | 35230105 | [4] |
| ARS-BFGL-NGS-100006  | rs41568955 | Heat Stress | 23 | 14215024 | [4] |
| ARS-BFGL-NGS-34049 | rs109262355 | Heifer Conception Rate | 20 | 35249040 | [2] |
| UA-IFASA-6878 | rs41629750 | Milk Yield | 14 | 2002873 | [5] |
| UA-IFASA-6228 | rs110718625 | Milk Yield | 14 | 6859824 | [5] |
| Hapmap32236-BTC-049785 | rs42215845 | Milk Yield | 14 | 6795860 | [5] |
| Hapmap32234-BTC-048199 | rs108995214 | Milk Yield | 14 | 7314869 | [5] |
| Hapmap30646-BTC-002054 | rs110060785 | Milk Yield | 14 | 2553525 | [5] |
| Hapmap30374-BTC-002159 | rs109529219 | Milk Yield | 14 | 2468020 | [5] |
| Hapmap30086-BTC-002066 | rs110199901 | Milk Yield | 14 | 2524432 | [5] |
| Hapmap29888-BTC-003509 | rs110237430 | Milk Yield | 14 | 2803998 | [5] |
| Hapmap26598-BTC-062212 | rs41597129 | Milk Yield | 14 | 8173920 | [5] |
| Hapmap24715-BTC-001973 | rs110323635 | Milk Yield | 14 | 2239085 | [5] |
| Hapmap23454-BTC-046932 | rs108971409 | Milk Yield | 14 | 5831267 | [5] |
| BTA-35941-no-rs | rs41627764 | Milk Yield | 14 | 2276443 | [5] |
| ARS-BFGL-NGS-94706 | rs17870736 | Milk Yield | 14 | 1696470 | [5] |
| ARS-BFGL-NGS-4939 | rs109421300 | Milk Yield | 14 | 1801116 | [5] |
| ARS-BFGL-NGS-3571 | rs110351374 | Milk Yield | 14 | 5225467 | [5] |
| ARS-BFGL-NGS-34135 | rs109968515 | Milk Yield | 14 | 1675278 | [5] |
| ARS-BFGL-NGS-26520 | rs109617015 | Milk Yield | 14 | 2386688 | [5] |
| ARS-BFGL-NGS-107379 | rs109350371 | Milk Yield | 14 | 2054457 | [5] |
| ARS-BFGL-NGS-102953 | rs110856800 | Milk Yield | 14 | 7542584 | [5] |
| ARS-BFGL-NGS-100480 | rs110017379 | Milk Yield | 14 | 4364952 | [5] |
| ARS-BFGL-BAC-24804 | rs110236070 | Milk Yield | 14 | 5795431 | [5] |
| Hapmap32136-BTA-160383 | rs110220642 | Milk Yield | 4 | 92705191 | [6] |
| Hapmap48796-BTA-51083 | rs41635833 | Milk Yield | 20 | 63120443 | [7] |
| Hapmap47184-BTA-114107 | rs41613557 | Milk Yield | 5 | 33173961 | [7] |
| Hapmap33541-BTC-016426 | rs111008794 | Milk Yield | 25 | 1431881 | [7] |
| ARS-BFGL-NGS-56044 | rs110529685 | Milk Yield | 24 | 43170091 | [7] |
| ARS-BFGL-NGS-3562 | rs109557202 | Milk Yield | 25 | 1489008 | [7] |
| Hapmap38412-BTA-50496 | rs41581070 | Milk Yield | 20 | 37468100 | [8] |
| BTA-50482-no-rs | rs41581068 | Milk Yield | 20 | 36336225 | [8] |
| BTA-37177-no-rs | rs41583256 | Milk Yield | 15 | 58775396 | [8] |
| 1SNP: single-nucleotide polymorphism2BTA: *Bos taurus* autosome3Location (bp): location of SNP on chromosome measured as base-pairs from the UMD3.1 assembly. |

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