**Supplemental Table S2.** RNA-seq preprocessing and alignment statistics. Alignment rates against the sorghum genome.

| Genotype | Collection | Internode | Raw reads | High quality reads | Alignment rate |
|---|---|---|---|---|---|
| KQ228 | C1 | In5 | 63,516,146 | 53,340,070 (83.98 %) | 83.50 % |
| | | | 79,526,358 | 64,930,414 (81.65 %) | 82.11 % |
| | | | 76,554,790 | 62,904,286 (82.17 %) | 84.39 % |
| | | In8 | 76,152,860 | 63,111,436 (82.87 %) | 83.43 % |
| | | | 73,443,866 | 61,165,200 (83.28 %) | 83.87 % |
| | | | 65,575,500 | 54,032,056 (82.40 %) | 84.29 % |
| | C2 | In5 | 63,893,630 | 32,312,360 (50.57 %) | 84.24 % |
| | | | 73,479,056 | 56,346,352 (76.68 %) | 85.39 % |
| | | | 75,032,818 | 57,091,702 (76.09 %) | 83.46 % |
| | | In8 | 77,725,398 | 63,551,444 (81.76 %) | 80.68 % |
| | | | 63,070,770 | 49,401,954 (78.33 %) | 80.02 % |
| | | | 58,260,760 | 48,306,654 (82.91 %) | 82.84 % |
| | | InEx-5 | 67,083,624 | 52,099,898 (77.66 %) | 73.63 % |
| | | | 74,335,192 | 62,727,224 (84.38 %) | 74.20 % |
| | | | 71,197,488 | 59,525,388 (83.61 %) | 77.14 % |
| SRA5 | C1 | In5 | 63,399,486 | 52,771,562 (83.24 %) | 84.54 % |
| | | | 56,016,590 | 46,294,142 (82.64 %) | 83.39 % |
| | | | 62,370,014 | 51,027,974 (81.81 %) | 84.87 % |
| | | In8 | 61,376,352 | 50,873,230 (82.89 %) | 82.77 % |
| | | | 64,792,956 | 53,279,652 (82.23 %) | 82.80 % |
| | | | 74,020,306 | 60,540,584 (81.79 %) | 82.57 % |
| | C2 | In5 | 76,749,354 | 64,855,364 (84.50 %) | 85.91 % |
| | | | 79,188,660 | 65,830,172 (83.13 %) | 83.93 % |
| | | | 60,435,148 | 48,432,216 (80.14 %) | 81.26 % |
| | | In8 | 77,105,510 | 64,382,752 (83.50 %) | 81.16 % |
| | | | 66,308,550 | 55,367,412 (83.50 %) | 82.86 % |
| | | | 72,417,228 | 60,088,340 (82.98 %) | 83.58 % |
| | | InEx-5 | 67,287,950 | 50,794,552 (75.49 %) | 76.00 % |
| | | | 69,563,210 | 53,992,048 (77.62 %) | 76.60 % |
| | | | 74,831,050 | 63,088,510 (84.31 %) | 79.66 % |
| Q155 | C1 | In5 | 70,541,218 | 58,964,774 (83.59 %) | 82.27 % |
| | | | 63,114,730 | 50,472,396 (79.97 %) | 78.29 % |
| | | | 66,153,896 | 55,641,124 (84.11 %) | 84.63 % |
| | | In8 | 58,515,114 | 47,072,744 (80.45 %) | 80.83 % |
| | | | 75,307,846 | 61,748,452 (81.99 %) | 82.74 % |
| | | | 82,714,180 | 67,775,484 (81.94 %) | 84.56 % |
| | C2 | In5 | 70,404,020 | 58,131,740 (82.57 %) | 84.02 % |
| | | | 61,889,754 | 48,432,258 (78.26 %) | 83.59 % |
| | | | 74,505,566 | 57,899,820 (77.71 %) | 85.05 % |
| | | In8 | 71,417,736 | 59,451,024 (83.24 %) | 80.90 % |

| | | | | | |
|---|---|---|---|---|---|
| | | | 69,679,156 | 54,216,066 (77.81 %) | 81.42 % |
| | | | 68,475,280 | 52,720,622 (76.99 %) | 76.64 % |
| | | InEx-5 | 69,258,394 | 57,344,844 (82.80 %) | 77.53 % |
| | | | 70,703,414 | 57,602,860 (81.47 %) | 79.26 % |
| | | | 65,646,298 | 49,946,400 (76.08 %) | 73.34 % |
| KQB09 | C1 | In5 | 68,393,442 | 54,669,414 (79.93 %) | 84.64 % |
| | | | 71,101,340 | 58,461,218 (82.22 %) | 81.80 % |
| | | | 74,372,296 | 61,970,994 (83.33 %) | 84.45 % |
| | | In8 | 70,208,596 | 58,271,460 (83.00 %) | 82.85 % |
| | | | 79,095,960 | 63,816,580 (80.68 %) | 82.86 % |
| | | | 77,780,894 | 63,144,840 (81.18 %) | 84.80 % |
| | C2 | In5 | 85,113,084 | 70,321,428 (82.62 %) | 81.40 % |
| | | | 73,688,532 | 61,365,220 (83.28 %) | 84.83 % |
| | | | 63,771,802 | 50,692,570 (79.49 %) | 82.32 % |
| | | In8 | 72,910,004 | 60,577,168 (83.08 %) | 83.68 % |
| | | | 64,355,436 | 52,636,932 (81.79 %) | 83.83 % |
| | | | 67,782,386 | 52,451,172 (77.38 %) | 83.84 % |
| | | InEx-5 | 78,754,954 | 65,818,624 (83.57 %) | 80.59 % |
| | | | 83,012,470 | 62,496,796 (75.29 %) | 82.89 % |
| | | | 66,853,872 | 52,560,458 (78.62 %) | 82.16 % |
| SRA1 | C1 | In5 | 61,005,106 | 50,504,258 (82.79 %) | 83.36 % |
| | | | 62,023,168 | 50,131,538 (80.83 %) | 83.25 % |
| | | | 62,654,368 | 50,209,682 (80.14 %) | 83.45 % |
| | | In8 | 59,545,458 | 50,144,122 (84.21 %) | 83.34 % |
| | | | 65,250,582 | 53,341,278 (81.75 %) | 82.73 % |
| | | | 67,936,708 | 54,952,916 (80.89 %) | 83.84 % |
| | C2 | In5 | 73,407,066 | 60,703,188 (82.69 %) | 83.00 % |
| | | | 74,342,666 | 61,774,744 (83.09 %) | 82.31 % |
| | | | 63,529,892 | 50,145,954 (78.93 %) | 85.22 % |
| | | In8 | 79,961,544 | 65,018,698 (81.31 %) | 83.36 % |
| | | | 65,051,192 | 50,962,402 (78.34 %) | 82.27 % |
| | | | 72,615,990 | 60,883,324 (83.84 %) | 82.84 % |
| | | InEx-5 | 74,938,264 | 61,684,104 (82.31 %) | 75.87 % |
| | | | 62,497,930 | 43,001,060 (68.80 %) | 76.47 % |
| | | | 58,096,448 | 40,901,050 (70.40 %) | 77.56 % |
| MQ239 | C1 | In5 | 68,536,344 | 57,160,794 (83.40 %) | 83.82 % |
| | | | 74,847,252 | 62,599,658 (83.64 %) | 84.59 % |
| | | | 75,934,864 | 64,118,832 (84.44 %) | 84.30 % |
| | | In8 | 74,913,848 | 61,791,260 (82.48 %) | 83.05 % |
| | | | 65,440,494 | 52,293,002 (79.91 %) | 82.26 % |
| | | | 62,502,938 | 50,976,270 (81.56 %) | 79.28 % |
| | C2 | In5 | 59,410,854 | 46,745,682 (78.68 %) | 83.98 % |
| | | | 64,669,344 | 50,797,130 (78.55 %) | 85.98 % |
| | | | 69,532,422 | 58,545,028 (84.20 %) | 85.43 % |
| | | In8 | 70,905,250 | 60,033,102 (84.67 %) | 83.64 % |
| | | | 62,224,882 | 47,999,144 (77.14 %) | 81.81 % |
| | | | 71,626,762 | 56,685,896 (79.14 %) | 83.57 % |

| | | | | | |
|---|---|---|---|---|---|
| | | InEx-5 | 71,848,986 | 58,212,228 (81.02 %) | 75.64 % |
| | | | 59,872,388 | 49,040,456 (81.91 %) | 72.41 % |
| | | | 60,431,746 | 46,400,672 (76.78 %) | 78.40 % |
| Q186 | C1 | In5 | 74,543,176 | 61,870,078 (83.00 %) | 83.57 % |
| | | | 78,870,528 | 64,737,830 (82.08 %) | 81.87 % |
| | | | 78,035,396 | 65,065,928 (83.38 %) | 84.59 % |
| | | In8 | 75,366,534 | 62,723,942 (83.23 %) | 83.22 % |
| | | | 63,987,526 | 50,696,984 (79.23 %) | 82.71 % |
| | | | 65,154,614 | 53,702,984 (82.42 %) | 82.48 % |
| | C2 | In5 | 66,536,168 | 55,550,046 (83.49 %) | 84.67 % |
| | | | 64,176,926 | 46,509,140 (72.47 %) | 82.70 % |
| | | | 58,481,330 | 33,879,064 (57.93 %) | 83.66 % |
| | | In8 | 78,270,556 | 62,932,100 (80.40 %) | 81.48 % |
| | | | 62,664,308 | 48,560,828 (77.49 %) | 82.20 % |
| | | | 68,572,542 | 54,759,398 (79.86 %) | 83.49 % |
| | | InEx-5 | 64,309,392 | 37,186,144 (57.82 %) | 79.36 % |
| | | | 67,288,592 | 52,024,078 (77.31 %) | 77.07 % |
| | | | 76,014,900 | 58,374,006 (76.79 %) | 76.26 % |