

**TABLE S1** NAC proteins identified in *G.raimondii*, *G.arboreum* and *G.hirsutum*.

| <b>Name</b> | <b>Locus name</b>      | <b>Subfamily</b> | <b>E-value</b> | <b>Score</b> |
|-------------|------------------------|------------------|----------------|--------------|
| GrNAC1      | Cotton_D_gene_10000398 | ATAF             | 8.90E-28       | 98.1         |
| GrNAC2      | Cotton_D_gene_10001169 | ONAC003          | 1.20E-13       | 52.8         |
| GrNAC3      | Cotton_D_gene_10001389 | ONAC022          | 4.00E-25       | 89.6         |
| GrNAC4      | Cotton_D_gene_10001402 | ONAC022          | 2.50E-23       | 83.9         |
| GrNAC5      | Cotton_D_gene_10001781 | ONAC022          | 2.10E-25       | 90.5         |
| GrNAC6      | Cotton_D_gene_10001806 | SENU5            | 6.60E-27       | 95.3         |
| GrNAC7      | Cotton_D_gene_10002720 | No group         | 2.90E-13       | 51.6         |
| GrNAC8      | Cotton_D_gene_10003338 | NAM              | 1.60E-28       | 100.5        |
| GrNAC9      | Cotton_D_gene_10003415 | OsNAC7           | 1.80E-26       | 94           |
| GrNAC10     | Cotton_D_gene_10003677 | AtNAC3           | 5.70E-26       | 92.3         |
| GrNAC11     | Cotton_D_gene_10003679 | NAP              | 2.60E-28       | 99.8         |
| GrNAC12     | Cotton_D_gene_10004057 | No group         | 1.90E-21       | 77.9         |
| GrNAC13     | Cotton_D_gene_10004296 | NAM              | 2.20E-29       | 103.3        |
| GrNAC14     | Cotton_D_gene_10004507 | No group         | 4.20E-22       | 80           |
| GrNAC15     | Cotton_D_gene_10006133 | No group         | 6.80E-18       | 66.5         |
| GrNAC16     | Cotton_D_gene_10006239 | NAP              | 1.40E-26       | 94.3         |
| GrNAC17     | Cotton_D_gene_10006331 | No group         | 2.50E-15       | 58.2         |
| GrNAC18     | Cotton_D_gene_10006337 | No group         | 1.50E-15       | 59           |
| GrNAC19     | Cotton_D_gene_10007297 | OsNAC7           | 1.90E-27       | 97           |
| GrNAC20     | Cotton_D_gene_10007865 | ANAC011          | 1.10E-30       | 107.4        |
| GrNAC21     | Cotton_D_gene_10008434 | NAC2             | 1.70E-27       | 97.3         |
| GrNAC22     | Cotton_D_gene_10008587 | No group         | 9.80E-25       | 88.4         |
| GrNAC23     | Cotton_D_gene_10008897 | NAP              | 3.70E-27       | 96.1         |
| GrNAC24     | Cotton_D_gene_10009406 | OsNAC7           | 1.10E-28       | 101          |
| GrNAC25     | Cotton_D_gene_10009504 | No group         | 1.60E-25       | 90.9         |
| GrNAC26     | Cotton_D_gene_10009519 | NAC2             | 1.20E-27       | 97.8         |
| GrNAC27     | Cotton_D_gene_10009574 | OsNAC7           | 1.90E-28       | 100.2        |
| GrNAC28     | Cotton_D_gene_10009764 | OsNAC7           | 1.40E-28       | 100.7        |
| GrNAC29     | Cotton_D_gene_10009873 | ANAC011          | 1.00E-28       | 101.1        |
| GrNAC30     | Cotton_D_gene_10010003 | ONAC022          | 4.50E-26       | 92.7         |
| GrNAC31     | Cotton_D_gene_10010022 | ANAC011          | 7.80E-30       | 104.7        |
| GrNAC32     | Cotton_D_gene_10010808 | No group         | 2.10E-21       | 77.7         |
| GrNAC33     | Cotton_D_gene_10011876 | No group         | 1.10E-25       | 91.4         |
| GrNAC34     | Cotton_D_gene_10011908 | ONAC003          | 3.90E-13       | 51.2         |
| GrNAC35     | Cotton_D_gene_10012088 | No group         | 1.00E-21       | 78.7         |
| GrNAC36     | Cotton_D_gene_10012458 | TIP              | 1.30E-26       | 94.4         |
| GrNAC37     | Cotton_D_gene_10012613 | TIP              | 2.50E-27       | 96.7         |
| GrNAC38     | Cotton_D_gene_10012678 | NAM              | 2.10E-28       | 100.1        |
| GrNAC39     | Cotton_D_gene_10013218 | No group         | 4.60E-20       | 73.4         |
| GrNAC40     | Cotton_D_gene_10013771 | NAC1             | 7.80E-28       | 98.3         |
| GrNAC41     | Cotton_D_gene_10014197 | SENU5            | 1.10E-26       | 94.6         |
| GrNAC42     | Cotton_D_gene_10015217 | ANAC011          | 1.80E-28       | 100.4        |

|         |                        |          |          |       |
|---------|------------------------|----------|----------|-------|
| GrNAC43 | Cotton_D_gene_10015218 | OsNAC7   | 5.50E-28 | 98.8  |
| GrNAC44 | Cotton_D_gene_10015235 | ONAC022  | 2.70E-24 | 87    |
| GrNAC45 | Cotton_D_gene_10015236 | ONAC022  | 2.70E-25 | 90.2  |
| GrNAC46 | Cotton_D_gene_10015237 | ONAC022  | 8.10E-25 | 88.6  |
| GrNAC47 | Cotton_D_gene_10015370 | OsNAC7   | 2.40E-26 | 93.6  |
| GrNAC48 | Cotton_D_gene_10015775 | TERN     | 2.40E-22 | 80.7  |
| GrNAC49 | Cotton_D_gene_10015783 | OsNAC8   | 4.60E-25 | 89.4  |
| GrNAC50 | Cotton_D_gene_10015938 | OsNAC7   | 7.70E-27 | 95.1  |
| GrNAC51 | Cotton_D_gene_10016783 | TIP      | 1.70E-27 | 97.2  |
| GrNAC52 | Cotton_D_gene_10016798 | OsNAC7   | 1.20E-26 | 94.6  |
| GrNAC53 | Cotton_D_gene_10017774 | TIP      | 7.70E-27 | 95.1  |
| GrNAC54 | Cotton_D_gene_10018007 | No group | 1.60E-11 | 46    |
| GrNAC55 | Cotton_D_gene_10018120 | No group | 1.80E-23 | 84.3  |
| GrNAC56 | Cotton_D_gene_10018185 | No group | 1.20E-24 | 88.1  |
| GrNAC57 | Cotton_D_gene_10018455 | No group | 2.90E-24 | 86.9  |
| GrNAC58 | Cotton_D_gene_10018978 | ANAC011  | 5.80E-29 | 101.9 |
| GrNAC59 | Cotton_D_gene_10019247 | NAP      | 6.30E-28 | 98.6  |
| GrNAC60 | Cotton_D_gene_10019250 | AtNAC3   | 3.60E-26 | 93    |
| GrNAC61 | Cotton_D_gene_10019529 | OsNAC7   | 4.70E-22 | 79.8  |
| GrNAC62 | Cotton_D_gene_10019770 | No group | 5.60E-21 | 76.3  |
| GrNAC63 | Cotton_D_gene_10019785 | ATAF     | 9.70E-16 | 59.5  |
| GrNAC64 | Cotton_D_gene_10019947 | No group | 3.20E-27 | 96.4  |
| GrNAC65 | Cotton_D_gene_10020643 | NAP      | 4.40E-26 | 92.7  |
| GrNAC66 | Cotton_D_gene_10020922 | ONAC022  | 1.90E-25 | 90.7  |
| GrNAC67 | Cotton_D_gene_10021541 | No group | 7.80E-26 | 91.9  |
| GrNAC68 | Cotton_D_gene_10021542 | No group | 3.40E-24 | 86.6  |
| GrNAC69 | Cotton_D_gene_10021572 | No group | 1.20E-22 | 81.7  |
| GrNAC70 | Cotton_D_gene_10021575 | No group | 1.00E-22 | 81.9  |
| GrNAC71 | Cotton_D_gene_10021859 | TERN     | 8.60E-23 | 82.1  |
| GrNAC72 | Cotton_D_gene_10021906 | NAC1     | 1.30E-27 | 97.6  |
| GrNAC73 | Cotton_D_gene_10022615 | TIP      | 5.00E-27 | 95.7  |
| GrNAC74 | Cotton_D_gene_10022691 | ANAC011  | 2.20E-30 | 106.5 |
| GrNAC75 | Cotton_D_gene_10023133 | No group | 1.90E-07 | 33    |
| GrNAC76 | Cotton_D_gene_10023135 | No group | 3.50E-07 | 32.1  |
| GrNAC77 | Cotton_D_gene_10023137 | No group | 5.80E-08 | 34.6  |
| GrNAC78 | Cotton_D_gene_10023138 | No group | 3.40E-07 | 32.2  |
| GrNAC79 | Cotton_D_gene_10023139 | No group | 3.90E-06 | 28.8  |
| GrNAC80 | Cotton_D_gene_10023489 | No group | 1.60E-27 | 97.3  |
| GrNAC81 | Cotton_D_gene_10024033 | NAM      | 1.00E-29 | 104.3 |
| GrNAC82 | Cotton_D_gene_10024070 | ONAC022  | 5.60E-25 | 89.2  |
| GrNAC83 | Cotton_D_gene_10024267 | OsNAC7   | 1.80E-28 | 100.3 |
| GrNAC84 | Cotton_D_gene_10024357 | ANAC011  | 7.60E-29 | 101.5 |
| GrNAC85 | Cotton_D_gene_10026995 | No group | 1.30E-23 | 84.7  |
| GrNAC86 | Cotton_D_gene_10027600 | No group | 7.90E-28 | 98.3  |

|          |                        |          |          |       |
|----------|------------------------|----------|----------|-------|
| GrNAC87  | Cotton_D_gene_10027602 | NAC2     | 8.10E-28 | 98.3  |
| GrNAC88  | Cotton_D_gene_10027798 | NAP      | 1.40E-27 | 97.5  |
| GrNAC89  | Cotton_D_gene_10028025 | NAC1     | 1.30E-27 | 97.6  |
| GrNAC90  | Cotton_D_gene_10028293 | TERN     | 1.50E-13 | 52.6  |
| GrNAC91  | Cotton_D_gene_10028537 | OsNAC7   | 1.30E-27 | 97.6  |
| GrNAC92  | Cotton_D_gene_10028546 | No group | 5.50E-20 | 73.2  |
| GrNAC93  | Cotton_D_gene_10028772 | No group | 5.00E-27 | 95.7  |
| GrNAC94  | Cotton_D_gene_10029594 | No group | 4.50E-23 | 83.1  |
| GrNAC95  | Cotton_D_gene_10030000 | No group | 9.60E-24 | 85.2  |
| GrNAC96  | Cotton_D_gene_10030033 | No group | 2.20E-13 | 52    |
| GrNAC97  | Cotton_D_gene_10030897 | NAC1     | 4.10E-27 | 96    |
| GrNAC98  | Cotton_D_gene_10030952 | No group | 1.90E-19 | 71.4  |
| GrNAC99  | Cotton_D_gene_10031000 | OsNAC7   | 1.40E-26 | 94.3  |
| GrNAC100 | Cotton_D_gene_10031395 | NAP      | 1.30E-24 | 88    |
| GrNAC101 | Cotton_D_gene_10031650 | ONAC022  | 1.40E-18 | 68.6  |
| GrNAC102 | Cotton_D_gene_10032044 | OsNAC8   | 1.00E-24 | 88.4  |
| GrNAC103 | Cotton_D_gene_10032344 | OsNAC7   | 6.30E-28 | 98.6  |
| GrNAC104 | Cotton_D_gene_10032427 | No group | 1.40E-24 | 87.8  |
| GrNAC105 | Cotton_D_gene_10032729 | NAM      | 5.00E-29 | 102.1 |
| GrNAC106 | Cotton_D_gene_10032775 | ONAC003  | 9.70E-12 | 46.7  |
| GrNAC107 | Cotton_D_gene_10032869 | No group | 6.50E-25 | 88.9  |
| GrNAC108 | Cotton_D_gene_10033034 | OsNAC7   | 3.50E-19 | 70.6  |
| GrNAC109 | Cotton_D_gene_10033076 | No group | 2.60E-24 | 87    |
| GrNAC110 | Cotton_D_gene_10033135 | NAM      | 5.50E-29 | 102   |
| GrNAC111 | Cotton_D_gene_10033204 | ANAC011  | 1.80E-28 | 100.3 |
| GrNAC112 | Cotton_D_gene_10033523 | ONAC022  | 1.10E-25 | 91.4  |
| GrNAC113 | Cotton_D_gene_10033716 | ONAC003  | 3.40E-15 | 57.8  |
| GrNAC114 | Cotton_D_gene_10033762 | NAP      | 4.30E-28 | 99.1  |
| GrNAC115 | Cotton_D_gene_10033915 | No group | 1.20E-27 | 97.8  |
| GrNAC116 | Cotton_D_gene_10034094 | ANAC063  | 8.40E-06 | 27.7  |
| GrNAC117 | Cotton_D_gene_10034381 | OsNAC7   | 3.50E-19 | 70.6  |
| GrNAC118 | Cotton_D_gene_10034463 | ANAC011  | 2.40E-30 | 106.4 |
| GrNAC119 | Cotton_D_gene_10034768 | ONAC003  | 9.90E-16 | 59.5  |
| GrNAC120 | Cotton_D_gene_10034990 | No group | 2.20E-19 | 71.2  |
| GrNAC121 | Cotton_D_gene_10035259 | TERN     | 3.10E-20 | 74    |
| GrNAC122 | Cotton_D_gene_10035732 | OsNAC7   | 2.20E-27 | 96.9  |
| GrNAC123 | Cotton_D_gene_10035749 | No group | 1.50E-18 | 68.5  |
| GrNAC124 | Cotton_D_gene_10035750 | No group | 1.90E-21 | 77.9  |
| GrNAC125 | Cotton_D_gene_10036070 | No group | 7.40E-25 | 88.8  |
| GrNAC126 | Cotton_D_gene_10037389 | ONAC003  | 2.80E-16 | 61.3  |
| GrNAC127 | Cotton_D_gene_10037770 | ANAC011  | 1.10E-28 | 101.1 |
| GrNAC128 | Cotton_D_gene_10037884 | NAP      | 7.40E-27 | 95.2  |
| GrNAC129 | Cotton_D_gene_10037901 | ONAC022  | 2.00E-25 | 90.6  |
| GrNAC130 | Cotton_D_gene_10038188 | No group | 3.50E-23 | 83.4  |

|          |                        |          |          |       |
|----------|------------------------|----------|----------|-------|
| GrNAC131 | Cotton_D_gene_10039159 | ONAC003  | 2.10E-16 | 61.7  |
| GrNAC132 | Cotton_D_gene_10039294 | ATAF     | 2.90E-27 | 96.5  |
| GrNAC133 | Cotton_D_gene_10039623 | NAM      | 4.00E-28 | 99.2  |
| GrNAC134 | Cotton_D_gene_10039854 | NAP      | 2.90E-28 | 99.7  |
| GrNAC135 | Cotton_D_gene_10039891 | NAM      | 3.40E-28 | 99.5  |
| GrNAC136 | Cotton_D_gene_10039991 | NAM      | 9.30E-30 | 104.5 |
| GrNAC137 | Cotton_D_gene_10039993 | NAP      | 7.60E-28 | 98.3  |
| GrNAC138 | Cotton_D_gene_10040174 | NAM      | 1.10E-28 | 101.1 |
| GrNAC139 | Cotton_D_gene_10040323 | OsNAC7   | 1.40E-28 | 100.7 |
| GrNAC140 | Cotton_D_gene_10040655 | ONAC022  | 1.50E-25 | 91    |
| GrNAC141 | Cotton_D_gene_10040814 | ONAC003  | 7.50E-15 | 56.7  |
| GrNAC142 | Cotton_D_gene_10040904 | NAP      | 5.70E-29 | 102   |
| GaNAC1   | Cotton_A_00183         | No group | 1.80E-23 | 84.3  |
| GaNAC2   | Cotton_A_00256         | No group | 1.20E-24 | 88.1  |
| GaNAC3   | Cotton_A_00602         | No group | 2.60E-25 | 90.2  |
| GaNAC4   | Cotton_A_00831         | No group | 4.40E-24 | 86.2  |
| GaNAC5   | Cotton_A_00841         | No group | 4.20E-05 | 25.4  |
| GaNAC6   | Cotton_A_01505         | No group | 2.50E-25 | 90.3  |
| GaNAC7   | Cotton_A_01569         | OsNAC7   | 8.00E-19 | 69.4  |
| GaNAC8   | Cotton_A_01813         | No group | 6.70E-25 | 88.9  |
| GaNAC9   | Cotton_A_01943         | No group | 2.70E-24 | 86.9  |
| GaNAC10  | Cotton_A_01989         | OsNAC7   | 2.30E-29 | 103.2 |
| GaNAC11  | Cotton_A_02191         | ANAC011  | 6.20E-29 | 101.8 |
| GaNAC12  | Cotton_A_02365         | TIP      | 9.70E-28 | 98    |
| GaNAC13  | Cotton_A_02366         | TIP      | 7.70E-27 | 95.1  |
| GaNAC14  | Cotton_A_02718         | ANAC011  | 2.80E-30 | 106.1 |
| GaNAC15  | Cotton_A_03013         | NAC1     | 1.40E-27 | 97.5  |
| GaNAC16  | Cotton_A_03573         | OsNAC7   | 1.10E-28 | 101   |
| GaNAC17  | Cotton_A_03930         | NAP      | 3.90E-24 | 86.4  |
| GaNAC18  | Cotton_A_04401         | No group | 1.30E-06 | 30.3  |
| GaNAC19  | Cotton_A_04422         | No group | 4.30E-10 | 41.4  |
| GaNAC20  | Cotton_A_04481         | ONAC003  | 9.60E-16 | 59.5  |
| GaNAC21  | Cotton_A_04509         | No group | 1.90E-27 | 97    |
| GaNAC22  | Cotton_A_04612         | No group | 8.00E-28 | 98.2  |
| GaNAC23  | Cotton_A_04939         | No group | 2.10E-17 | 64.9  |
| GaNAC24  | Cotton_A_05099         | No group | 4.70E-20 | 73.3  |
| GaNAC25  | Cotton_A_05272         | ONAC022  | 1.20E-25 | 91.3  |
| GaNAC26  | Cotton_A_05740         | No group | 5.70E-18 | 66.7  |
| GaNAC27  | Cotton_A_05832         | OsNAC7   | 2.90E-28 | 99.6  |
| GaNAC28  | Cotton_A_05844         | ANAC011  | 1.70E-28 | 100.4 |
| GaNAC29  | Cotton_A_05845         | OsNAC7   | 5.20E-28 | 98.8  |
| GaNAC30  | Cotton_A_06086         | NAC2     | 1.70E-27 | 97.2  |
| GaNAC31  | Cotton_A_06161         | NAP      | 3.60E-27 | 96.1  |
| GaNAC32  | Cotton_A_06256         | NAM      | 1.50E-28 | 100.5 |

|         |                |          |          |       |
|---------|----------------|----------|----------|-------|
| GaNAC33 | Cotton_A_06324 | AtNAC3   | 5.70E-26 | 92.3  |
| GaNAC34 | Cotton_A_06325 | NAP      | 2.60E-28 | 99.8  |
| GaNAC35 | Cotton_A_06877 | ANAC063  | 2.40E-05 | 26.2  |
| GaNAC36 | Cotton_A_07124 | OsNAC7   | 1.50E-28 | 100.6 |
| GaNAC37 | Cotton_A_07511 | No group | 7.10E-21 | 76    |
| GaNAC38 | Cotton_A_07894 | ANAC011  | 9.80E-29 | 101.2 |
| GaNAC39 | Cotton_A_08115 | TIP      | 5.30E-27 | 95.6  |
| GaNAC40 | Cotton_A_08128 | OsNAC7   | 6.00E-27 | 95.4  |
| GaNAC41 | Cotton_A_08671 | No group | 1.90E-16 | 61.8  |
| GaNAC42 | Cotton_A_08816 | No group | 2.50E-27 | 96.7  |
| GaNAC43 | Cotton_A_09163 | ANAC011  | 1.70E-28 | 100.4 |
| GaNAC44 | Cotton_A_09393 | ONAC003  | 2.80E-16 | 61.3  |
| GaNAC45 | Cotton_A_09515 | No group | 3.20E-25 | 89.9  |
| GaNAC46 | Cotton_A_09599 | TERN     | 3.60E-23 | 83.3  |
| GaNAC47 | Cotton_A_10020 | SENU5    | 7.00E-27 | 95.2  |
| GaNAC48 | Cotton_A_10022 | SENU5    | 7.20E-27 | 95.2  |
| GaNAC49 | Cotton_A_10170 | TERN     | 6.10E-23 | 82.6  |
| GaNAC50 | Cotton_A_11313 | ONAC003  | 3.30E-15 | 57.8  |
| GaNAC51 | Cotton_A_11365 | OsNAC7   | 3.00E-29 | 102.8 |
| GaNAC52 | Cotton_A_12607 | ANAC011  | 1.20E-30 | 107.3 |
| GaNAC53 | Cotton_A_12683 | No group | 4.60E-27 | 95.8  |
| GaNAC54 | Cotton_A_13074 | ANAC011  | 3.20E-30 | 105.9 |
| GaNAC55 | Cotton_A_13127 | ANAC011  | 2.00E-28 | 100.2 |
| GaNAC56 | Cotton_A_13198 | OsNAC7   | 1.30E-26 | 94.4  |
| GaNAC57 | Cotton_A_13395 | NAM      | 2.70E-29 | 102.9 |
| GaNAC58 | Cotton_A_13494 | No group | 4.70E-18 | 66.9  |
| GaNAC59 | Cotton_A_13667 | NAP      | 1.10E-27 | 97.8  |
| GaNAC60 | Cotton_A_13669 | AtNAC3   | 3.90E-26 | 92.8  |
| GaNAC61 | Cotton_A_13728 | ANAC063  | 1.20E-05 | 27.1  |
| GaNAC62 | Cotton_A_13859 | OsNAC8   | 9.10E-25 | 88.4  |
| GaNAC63 | Cotton_A_14093 | No group | 1.90E-19 | 71.4  |
| GaNAC64 | Cotton_A_15184 | No group | 9.20E-20 | 72.4  |
| GaNAC65 | Cotton_A_15474 | NAM      | 4.90E-29 | 102.1 |
| GaNAC66 | Cotton_A_15646 | OsNAC7   | 2.10E-27 | 96.9  |
| GaNAC67 | Cotton_A_15664 | No group | 5.50E-18 | 66.7  |
| GaNAC68 | Cotton_A_15665 | No group | 2.00E-21 | 77.7  |
| GaNAC69 | Cotton_A_15785 | No group | 2.10E-23 | 84.1  |
| GaNAC70 | Cotton_A_15893 | ONAC022  | 1.70E-25 | 90.8  |
| GaNAC71 | Cotton_A_16296 | ATAF     | 8.60E-28 | 98.1  |
| GaNAC72 | Cotton_A_16773 | NAM      | 1.70E-28 | 100.4 |
| GaNAC73 | Cotton_A_16813 | NAP      | 2.80E-28 | 99.7  |
| GaNAC74 | Cotton_A_17125 | OsNAC7   | 1.30E-28 | 100.8 |
| GaNAC75 | Cotton_A_17275 | NAM      | 1.10E-28 | 101   |
| GaNAC76 | Cotton_A_17362 | TIP      | 1.10E-27 | 97.8  |

|          |                |          |          |       |
|----------|----------------|----------|----------|-------|
| GaNAC77  | Cotton_A_18089 | ONAC003  | 2.40E-16 | 61.5  |
| GaNAC78  | Cotton_A_18123 | NAM      | 1.10E-29 | 104.2 |
| GaNAC79  | Cotton_A_18125 | NAP      | 6.80E-28 | 98.5  |
| GaNAC80  | Cotton_A_18426 | OsNAC7   | 7.00E-29 | 101.6 |
| GaNAC81  | Cotton_A_19336 | OsNAC7   | 1.00E-29 | 104.3 |
| GaNAC82  | Cotton_A_19848 | ONAC022  | 7.80E-26 | 91.9  |
| GaNAC83  | Cotton_A_20638 | ONAC003  | 1.20E-12 | 49.6  |
| GaNAC84  | Cotton_A_20658 | NAC1     | 4.00E-27 | 96    |
| GaNAC85  | Cotton_A_21002 | No group | 1.50E-24 | 87.8  |
| GaNAC86  | Cotton_A_22700 | No group | 1.60E-19 | 71.7  |
| GaNAC87  | Cotton_A_23128 | ANAC011  | 7.40E-29 | 101.6 |
| GaNAC88  | Cotton_A_23892 | OsNAC7   | 8.70E-28 | 98.1  |
| GaNAC89  | Cotton_A_24225 | NAP      | 1.30E-26 | 94.3  |
| GaNAC90  | Cotton_A_24792 | ONAC022  | 2.10E-24 | 87.3  |
| GaNAC91  | Cotton_A_24793 | ONAC022  | 2.70E-25 | 90.1  |
| GaNAC92  | Cotton_A_24794 | ONAC022  | 8.80E-25 | 88.5  |
| GaNAC93  | Cotton_A_24945 | SENU5    | 9.40E-27 | 94.8  |
| GaNAC94  | Cotton_A_25050 | No group | 1.00E-26 | 94.7  |
| GaNAC95  | Cotton_A_25101 | No group | 4.40E-25 | 89.5  |
| GaNAC96  | Cotton_A_25115 | No group | 5.10E-24 | 86.1  |
| GaNAC97  | Cotton_A_25243 | No group | 1.40E-21 | 78.2  |
| GaNAC98  | Cotton_A_25450 | ATAF     | 2.20E-27 | 96.8  |
| GaNAC99  | Cotton_A_26263 | OsNAC8   | 4.10E-25 | 89.6  |
| GaNAC100 | Cotton_A_26270 | TERN     | 6.10E-22 | 79.4  |
| GaNAC101 | Cotton_A_26426 | OsNAC7   | 7.20E-27 | 95.2  |
| GaNAC102 | Cotton_A_27343 | No group | 5.60E-23 | 82.7  |
| GaNAC103 | Cotton_A_27805 | No group | 2.00E-13 | 52.1  |
| GaNAC104 | Cotton_A_27806 | No group | 9.90E-14 | 53.1  |
| GaNAC105 | Cotton_A_28228 | No group | 1.60E-12 | 49.2  |
| GaNAC106 | Cotton_A_28334 | NAC1     | 1.30E-27 | 97.6  |
| GaNAC107 | Cotton_A_28452 | NAP      | 6.70E-27 | 95.3  |
| GaNAC108 | Cotton_A_29050 | No group | 6.10E-20 | 73    |
| GaNAC109 | Cotton_A_29108 | No group | 4.90E-24 | 86.1  |
| GaNAC110 | Cotton_A_29173 | NAC2     | 1.60E-27 | 97.3  |
| GaNAC111 | Cotton_A_29176 | No group | 9.00E-28 | 98.1  |
| GaNAC112 | Cotton_A_29202 | NAC1     | 1.20E-27 | 97.7  |
| GaNAC113 | Cotton_A_29358 | ONAC022  | 1.60E-25 | 90.9  |
| GaNAC114 | Cotton_A_30404 | No group | 1.30E-26 | 94.3  |
| GaNAC115 | Cotton_A_30603 | ONAC022  | 2.10E-25 | 90.5  |
| GaNAC116 | Cotton_A_31522 | OsNAC7   | 1.30E-26 | 94.4  |
| GaNAC117 | Cotton_A_32448 | No group | 1.60E-25 | 90.9  |
| GaNAC118 | Cotton_A_32478 | NAC2     | 7.90E-28 | 98.3  |
| GaNAC119 | Cotton_A_32870 | NAP      | 1.00E-27 | 97.9  |
| GaNAC120 | Cotton_A_33158 | ONAC022  | 2.70E-24 | 87    |

|          |                |          |          |       |
|----------|----------------|----------|----------|-------|
| GaNAC121 | Cotton_A_33477 | ATAF     | 1.40E-26 | 94.3  |
| GaNAC122 | Cotton_A_33555 | TIP      | 2.80E-27 | 96.5  |
| GaNAC123 | Cotton_A_34465 | ONAC003  | 1.20E-13 | 52.8  |
| GaNAC124 | Cotton_A_34560 | No group | 4.30E-14 | 54.2  |
| GaNAC125 | Cotton_A_35053 | NAM      | 1.00E-29 | 104.3 |
| GaNAC126 | Cotton_A_35198 | NAP      | 1.10E-26 | 94.6  |
| GaNAC127 | Cotton_A_35235 | TIP      | 1.50E-26 | 94.2  |
| GaNAC128 | Cotton_A_35583 | NAM      | 5.40E-29 | 102   |
| GaNAC129 | Cotton_A_35637 | ONAC003  | 2.50E-13 | 51.8  |
| GaNAC130 | Cotton_A_36063 | OsNAC7   | 1.50E-27 | 97.3  |
| GaNAC131 | Cotton_A_36235 | NAM      | 4.00E-28 | 99.2  |
| GaNAC132 | Cotton_A_36402 | OsNAC7   | 1.70E-18 | 68.3  |
| GaNAC133 | Cotton_A_36420 | TERN     | 6.10E-22 | 79.4  |
| GaNAC134 | Cotton_A_36695 | ONAC022  | 1.80E-25 | 90.7  |
| GaNAC135 | Cotton_A_36752 | NAP      | 4.20E-28 | 99.1  |
| GaNAC136 | Cotton_A_37610 | ONAC022  | 1.40E-25 | 91    |
| GaNAC137 | Cotton_A_37659 | ONAC003  | 8.10E-15 | 56.6  |
| GaNAC138 | Cotton_A_38266 | No group | 1.80E-21 | 77.9  |
| GaNAC139 | Cotton_A_38770 | NAP      | 1.00E-28 | 101.1 |
| GaNAC140 | Cotton_A_39298 | ONAC022  | 1.00E-25 | 91.5  |
| GaNAC141 | Cotton_A_39966 | OsNAC7   | 1.70E-26 | 94    |
| GaNAC142 | Cotton_A_40150 | No group | 7.80E-25 | 88.7  |
| GhNAC1   | CotAD_00653    | NAP      | 7.40E-24 | 86.4  |
| GhNAC2   | CotAD_01815    | OsNAC7   | 1.20E-27 | 98.6  |
| GhNAC3   | CotAD_02099    | TIP      | 2.80E-26 | 94.2  |
| GhNAC4   | CotAD_02200    | SENU5    | 1.20E-26 | 95.4  |
| GhNAC5   | CotAD_02309    | OsNAC7   | 1.50E-18 | 69.4  |
| GhNAC6   | CotAD_02648    | TIP      | 2.50E-26 | 94.4  |
| GhNAC7   | CotAD_03014    | No group | 6.90E-25 | 89.7  |
| GhNAC8   | CotAD_03188    | ANAC011  | 1.90E-29 | 104.4 |
| GhNAC9   | CotAD_03657    | No group | 5.60E-16 | 61.2  |
| GhNAC10  | CotAD_03788    | OsNAC7   | 4.40E-29 | 103.2 |
| GhNAC11  | CotAD_03831    | No group | 5.00E-22 | 80.6  |
| GhNAC12  | CotAD_03895    | NAM      | 1.10E-28 | 101.9 |
| GhNAC13  | CotAD_03965    | ANAC011  | 3.40E-28 | 100.3 |
| GhNAC14  | CotAD_04129    | OsNAC7   | 3.60E-27 | 97    |
| GhNAC15  | CotAD_04141    | ANAC011  | 3.40E-28 | 100.4 |
| GhNAC16  | CotAD_04142    | OsNAC7   | 1.80E-25 | 91.6  |
| GhNAC17  | CotAD_04161    | ONAC022  | 4.50E-24 | 87.1  |
| GhNAC18  | CotAD_04162    | ONAC022  | 5.30E-25 | 90.1  |
| GhNAC19  | CotAD_04163    | ONAC022  | 1.50E-24 | 88.7  |
| GhNAC20  | CotAD_04459    | NAP      | 2.60E-26 | 94.3  |
| GhNAC21  | CotAD_04813    | No group | 1.60E-19 | 72.6  |
| GhNAC22  | CotAD_05367    | No group | 1.20E-24 | 89    |

|         |             |          |          |       |
|---------|-------------|----------|----------|-------|
| GhNAC23 | CotAD_05449 | NAM      | 8.90E-29 | 102.2 |
| GhNAC24 | CotAD_05613 | ONAC022  | 2.10E-25 | 91.4  |
| GhNAC25 | CotAD_05908 | No group | 1.70E-26 | 94.9  |
| GhNAC26 | CotAD_06080 | NAP      | 6.70E-28 | 99.4  |
| GhNAC27 | CotAD_06127 | NAM      | 6.10E-28 | 99.5  |
| GhNAC28 | CotAD_06342 | No group | 2.80E-27 | 97.4  |
| GhNAC29 | CotAD_06343 | No group | 1.30E-27 | 98.5  |
| GhNAC30 | CotAD_08094 | NAC2     | 3.70E-24 | 87.4  |
| GhNAC31 | CotAD_08843 | No group | 9.50E-23 | 82.9  |
| GhNAC32 | CotAD_08908 | No group | 3.90E-23 | 84.1  |
| GhNAC33 | CotAD_09032 | ANAC011  | 4.00E-30 | 106.5 |
| GhNAC34 | CotAD_09298 | ANAC011  | 4.90E-30 | 106.2 |
| GhNAC35 | CotAD_10002 | No group | 6.30E-25 | 89.9  |
| GhNAC36 | CotAD_10103 | ONAC003  | 1.10E-12 | 50.6  |
| GhNAC37 | CotAD_10149 | NAM      | 9.30E-29 | 102.1 |
| GhNAC38 | CotAD_11289 | NAC1     | 7.70E-27 | 96    |
| GhNAC39 | CotAD_11909 | TERN     | 1.60E-22 | 82.1  |
| GhNAC40 | CotAD_12132 | No group | 1.90E-23 | 85.1  |
| GhNAC41 | CotAD_12370 | OsNAC8   | 1.90E-24 | 88.3  |
| GhNAC42 | CotAD_12779 | ONAC003  | 1.90E-15 | 59.5  |
| GhNAC43 | CotAD_13031 | No group | 3.50E-23 | 84.3  |
| GhNAC44 | CotAD_13212 | NAP      | 7.00E-27 | 96.1  |
| GhNAC45 | CotAD_13229 | ONAC003  | 8.00E-13 | 51.1  |
| GhNAC46 | CotAD_13616 | No group | 1.70E-24 | 88.5  |
| GhNAC47 | CotAD_14694 | ONAC022  | 1.60E-24 | 88.6  |
| GhNAC48 | CotAD_14695 | ONAC022  | 5.00E-25 | 90.2  |
| GhNAC49 | CotAD_14696 | ONAC022  | 5.40E-24 | 86.9  |
| GhNAC50 | CotAD_14713 | OsNAC7   | 1.00E-27 | 98.8  |
| GhNAC51 | CotAD_14714 | ANAC011  | 3.30E-28 | 100.4 |
| GhNAC52 | CotAD_15346 | TIP      | 1.90E-27 | 98    |
| GhNAC53 | CotAD_15362 | OsNAC7   | 9.70E-25 | 89.3  |
| GhNAC54 | CotAD_15553 | No group | 1.10E-20 | 76.3  |
| GhNAC55 | CotAD_15579 | No group | 1.80E-24 | 88.4  |
| GhNAC56 | CotAD_16206 | NAP      | 6.90E-27 | 96.1  |
| GhNAC57 | CotAD_16600 | ANAC011  | 3.00E-28 | 100.5 |
| GhNAC58 | CotAD_16876 | NAM      | 2.50E-28 | 100.8 |
| GhNAC59 | CotAD_17446 | No group | 8.40E-20 | 73.4  |
| GhNAC60 | CotAD_17553 | ANAC011  | 1.10E-28 | 101.9 |
| GhNAC61 | CotAD_17816 | ANAC011  | 2.60E-30 | 107.1 |
| GhNAC62 | CotAD_18284 | OsNAC7   | 1.20E-26 | 95.4  |
| GhNAC63 | CotAD_20051 | No group | 1.30E-24 | 88.9  |
| GhNAC64 | CotAD_20257 | NAP      | 3.60E-26 | 93.9  |
| GhNAC65 | CotAD_20641 | NAM      | 2.00E-29 | 104.3 |
| GhNAC66 | CotAD_20643 | NAP      | 1.40E-27 | 98.3  |

|          |             |          |          |       |
|----------|-------------|----------|----------|-------|
| GhNAC67  | CotAD_20777 | NAC1     | 7.30E-28 | 99.3  |
| GhNAC68  | CotAD_20843 | SENU5    | 1.90E-26 | 94.8  |
| GhNAC69  | CotAD_21471 | ANAC011  | 2.50E-30 | 107.2 |
| GhNAC70  | CotAD_22028 | ONAC003  | 2.60E-13 | 52.6  |
| GhNAC71  | CotAD_22211 | NAP      | 8.20E-28 | 99.1  |
| GhNAC72  | CotAD_22763 | OsNAC7   | 2.10E-28 | 101   |
| GhNAC73  | CotAD_23565 | OsNAC7   | 4.30E-26 | 93.6  |
| GhNAC74  | CotAD_23580 | TIP      | 4.80E-27 | 96.7  |
| GhNAC75  | CotAD_23891 | No group | 4.10E-21 | 77.6  |
| GhNAC76  | CotAD_24346 | NAP      | 1.20E-27 | 98.6  |
| GhNAC77  | CotAD_24523 | TERN     | 7.40E-22 | 80    |
| GhNAC78  | CotAD_24873 | NAC1     | 2.30E-27 | 97.7  |
| GhNAC79  | CotAD_25313 | OsNAC7   | 1.00E-26 | 95.6  |
| GhNAC80  | CotAD_25813 | No group | 5.90E-19 | 70.7  |
| GhNAC81  | CotAD_25824 | OsNAC7   | 3.10E-27 | 97.3  |
| GhNAC82  | CotAD_26175 | No group | 9.20E-24 | 86.1  |
| GhNAC83  | CotAD_27066 | OsNAC7   | 3.20E-29 | 103.6 |
| GhNAC84  | CotAD_27466 | OsNAC7   | 2.60E-26 | 94.3  |
| GhNAC85  | CotAD_27648 | ATAF     | 5.20E-37 | 128.6 |
| GhNAC86  | CotAD_27788 | No group | 3.00E-25 | 90.9  |
| GhNAC87  | CotAD_27860 | OsNAC7   | 2.60E-28 | 100.7 |
| GhNAC88  | CotAD_28105 | NAP      | 5.40E-28 | 99.7  |
| GhNAC89  | CotAD_28138 | NAM      | 6.50E-27 | 96.2  |
| GhNAC90  | CotAD_28513 | No group | 5.70E-21 | 77.2  |
| GhNAC91  | CotAD_28796 | AtNAC3   | 9.90E-26 | 92.4  |
| GhNAC92  | CotAD_28797 | NAP      | 4.40E-28 | 100   |
| GhNAC93  | CotAD_29099 | OsNAC7   | 5.80E-22 | 80.4  |
| GhNAC94  | CotAD_29117 | No group | 9.60E-27 | 95.7  |
| GhNAC95  | CotAD_29662 | NAP      | 2.50E-26 | 94.3  |
| GhNAC96  | CotAD_30367 | OsNAC7   | 3.80E-26 | 93.8  |
| GhNAC97  | CotAD_30602 | ONAC022  | 3.60E-25 | 90.7  |
| GhNAC98  | CotAD_30603 | ONAC022  | 3.70E-25 | 90.6  |
| GhNAC99  | CotAD_31269 | No group | 3.10E-23 | 84.4  |
| GhNAC100 | CotAD_31337 | No group | 3.60E-16 | 61.8  |
| GhNAC101 | CotAD_31991 | NAP      | 2.20E-26 | 94.6  |
| GhNAC102 | CotAD_32209 | No group | 2.20E-27 | 97.8  |
| GhNAC103 | CotAD_32858 | ATAF     | 1.70E-27 | 98.1  |
| GhNAC104 | CotAD_33426 | No group | 3.80E-20 | 74.6  |
| GhNAC105 | CotAD_33904 | OsNAC7   | 1.50E-18 | 69.4  |
| GhNAC106 | CotAD_34236 | OsNAC7   | 2.90E-28 | 100.6 |
| GhNAC107 | CotAD_34624 | No group | 1.00E-22 | 82.7  |
| GhNAC108 | CotAD_34627 | No group | 3.60E-23 | 84.2  |
| GhNAC109 | CotAD_34628 | No group | 5.10E-22 | 80.6  |
| GhNAC110 | CotAD_34909 | ANAC011  | 4.70E-28 | 99.9  |

|          |             |          |          |       |
|----------|-------------|----------|----------|-------|
| GhNAC111 | CotAD_34983 | No group | 1.50E-23 | 85.4  |
| GhNAC112 | CotAD_35736 | ONAC022  | 3.50E-25 | 90.7  |
| GhNAC113 | CotAD_36338 | OsNAC8   | 8.30E-25 | 89.5  |
| GhNAC114 | CotAD_36345 | TERN     | 8.70E-22 | 79.8  |
| GhNAC115 | CotAD_36388 | ATAF     | 5.40E-27 | 96.5  |
| GhNAC116 | CotAD_36441 | ANAC011  | 1.30E-26 | 95.3  |
| GhNAC117 | CotAD_36819 | No group | 2.40E-19 | 72    |
| GhNAC118 | CotAD_37245 | OsNAC7   | 7.60E-29 | 102.4 |
| GhNAC119 | CotAD_37972 | No group | 3.70E-24 | 87.4  |
| GhNAC120 | CotAD_38061 | TERN     | 4.50E-22 | 80.7  |
| GhNAC121 | CotAD_38068 | OsNAC8   | 8.70E-25 | 89.4  |
| GhNAC122 | CotAD_38778 | No group | 2.10E-25 | 91.4  |
| GhNAC123 | CotAD_39078 | No group | 2.20E-18 | 68.9  |
| GhNAC124 | CotAD_39079 | No group | 2.40E-21 | 78.4  |
| GhNAC125 | CotAD_39272 | TIP      | 5.70E-27 | 96.4  |
| GhNAC126 | CotAD_39755 | ONAC022  | 6.70E-24 | 86.6  |
| GhNAC127 | CotAD_42413 | OsNAC8   | 1.90E-24 | 88.3  |
| GhNAC128 | CotAD_43048 | No group | 2.70E-24 | 87.8  |
| GhNAC129 | CotAD_43295 | No group | 7.20E-08 | 35.2  |
| GhNAC130 | CotAD_43532 | No group | 2.50E-19 | 72    |
| GhNAC131 | CotAD_43826 | NAP      | 7.30E-27 | 96.1  |
| GhNAC132 | CotAD_44666 | NAM      | 2.00E-28 | 101.1 |
| GhNAC133 | CotAD_45354 | No group | 1.00E-20 | 76.4  |
| GhNAC134 | CotAD_45578 | ONAC022  | 3.50E-25 | 90.7  |
| GhNAC135 | CotAD_45771 | ONAC022  | 2.10E-25 | 91.4  |
| GhNAC136 | CotAD_45977 | OsNAC7   | 3.60E-28 | 100.3 |
| GhNAC137 | CotAD_46230 | TERN     | 6.60E-09 | 38.5  |
| GhNAC138 | CotAD_46279 | OsNAC7   | 1.40E-26 | 95.2  |
| GhNAC139 | CotAD_46383 | ATAF     | 1.70E-27 | 98.1  |
| GhNAC140 | CotAD_46887 | TERN     | 7.10E-23 | 83.3  |
| GhNAC141 | CotAD_47662 | NAM      | 5.40E-29 | 102.9 |
| GhNAC142 | CotAD_48653 | ONAC022  | 2.30E-25 | 91.3  |
| GhNAC143 | CotAD_48894 | NAM      | 2.40E-27 | 97.6  |
| GhNAC144 | CotAD_49372 | No group | 1.50E-27 | 98.3  |
| GhNAC145 | CotAD_50063 | NAP      | 1.40E-26 | 95.2  |
| GhNAC146 | CotAD_50199 | NAC1     | 2.50E-27 | 97.6  |
| GhNAC147 | CotAD_50352 | TIP      | 3.50E-24 | 87.5  |
| GhNAC148 | CotAD_50950 | NAC2     | 2.20E-27 | 97.8  |
| GhNAC149 | CotAD_51059 | NAM      | 1.10E-28 | 101.9 |
| GhNAC150 | CotAD_51423 | ANAC011  | 4.70E-30 | 106.3 |
| GhNAC151 | CotAD_51810 | No group | 3.70E-19 | 71.4  |
| GhNAC152 | CotAD_52164 | SENU5    | 1.30E-26 | 95.2  |
| GhNAC153 | CotAD_52166 | SENU5    | 1.40E-26 | 95.2  |
| GhNAC154 | CotAD_52329 | NAM      | 2.00E-28 | 101.1 |

|          |             |          |          |       |
|----------|-------------|----------|----------|-------|
| GhNAC155 | CotAD_52667 | No group | 2.90E-25 | 90.9  |
| GhNAC156 | CotAD_52769 | ONAC003  | 1.00E-15 | 60.4  |
| GhNAC157 | CotAD_53114 | No group | 4.80E-25 | 90.2  |
| GhNAC158 | CotAD_53484 | No group | 1.20E-19 | 73    |
| GhNAC159 | CotAD_53640 | ONAC003  | 1.80E-15 | 59.6  |
| GhNAC160 | CotAD_53818 | NAP      | 2.30E-27 | 97.7  |
| GhNAC161 | CotAD_54844 | NAC2     | 3.00E-27 | 97.3  |
| GhNAC162 | CotAD_55002 | NAM      | 2.00E-29 | 104.3 |
| GhNAC163 | CotAD_55735 | No group | 4.80E-25 | 90.2  |
| GhNAC164 | CotAD_56163 | NAM      | 2.10E-29 | 104.2 |
| GhNAC165 | CotAD_56167 | NAP      | 2.50E-27 | 97.6  |
| GhNAC166 | CotAD_56445 | No group | 9.90E-27 | 95.6  |
| GhNAC167 | CotAD_57756 | ATAF     | 3.00E-27 | 97.3  |
| GhNAC168 | CotAD_58138 | NAM      | 7.50E-28 | 99.2  |
| GhNAC169 | CotAD_58753 | No group | 1.10E-22 | 82.6  |
| GhNAC170 | CotAD_58864 | No group | 2.50E-19 | 72    |
| GhNAC171 | CotAD_58949 | OsNAC7   | 6.00E-29 | 102.8 |
| GhNAC172 | CotAD_59048 | ONAC022  | 2.70E-25 | 91    |
| GhNAC173 | CotAD_59775 | No group | 9.50E-20 | 73.3  |
| GhNAC174 | CotAD_59778 | NAC2     | 2.30E-27 | 97.7  |
| GhNAC175 | CotAD_59820 | ONAC003  | 2.50E-13 | 52.7  |
| GhNAC176 | CotAD_59844 | ONAC022  | 4.10E-25 | 90.5  |
| GhNAC177 | CotAD_60285 | No group | 3.70E-24 | 87.4  |
| GhNAC178 | CotAD_60461 | No group | 2.10E-20 | 75.4  |
| GhNAC179 | CotAD_60902 | OsNAC7   | 1.40E-26 | 95.1  |
| GhNAC180 | CotAD_61393 | TERN     | 6.90E-23 | 83.3  |
| GhNAC181 | CotAD_61763 | NAC1     | 2.50E-27 | 97.6  |
| GhNAC182 | CotAD_62409 | ONAC022  | 4.00E-25 | 90.5  |
| GhNAC183 | CotAD_63575 | No group | 1.80E-24 | 88.4  |
| GhNAC184 | CotAD_63894 | OsNAC7   | 2.10E-26 | 94.6  |
| GhNAC185 | CotAD_64058 | ONAC003  | 6.30E-15 | 57.8  |
| GhNAC186 | CotAD_64772 | OsNAC7   | 2.80E-27 | 97.4  |
| GhNAC187 | CotAD_64811 | OsNAC7   | 2.50E-26 | 94.4  |
| GhNAC188 | CotAD_65411 | No group | 2.40E-17 | 65.6  |
| GhNAC189 | CotAD_65695 | ATAF     | 2.80E-26 | 94.2  |
| GhNAC190 | CotAD_65750 | ONAC022  | 2.10E-25 | 91.4  |
| GhNAC191 | CotAD_65778 | ONAC003  | 1.40E-14 | 56.7  |
| GhNAC192 | CotAD_66079 | No group | 5.10E-19 | 70.9  |
| GhNAC193 | CotAD_66100 | OsNAC7   | 1.40E-27 | 98.4  |
| GhNAC194 | CotAD_66436 | OsNAC7   | 6.40E-19 | 70.6  |
| GhNAC195 | CotAD_66954 | NAP      | 1.70E-28 | 101.3 |
| GhNAC196 | CotAD_67441 | TERN     | 1.20E-21 | 79.3  |
| GhNAC197 | CotAD_69006 | ONAC022  | 9.80E-18 | 66.8  |
| GhNAC198 | CotAD_70488 | ONAC003  | 1.40E-14 | 56.7  |

|          |             |          |          |       |
|----------|-------------|----------|----------|-------|
| GhNAC199 | CotAD_70745 | NAP      | 1.80E-28 | 101.2 |
| GhNAC200 | CotAD_72992 | No group | 1.60E-24 | 88.6  |
| GhNAC201 | CotAD_73374 | TIP      | 2.80E-26 | 94.2  |
| GhNAC202 | CotAD_73445 | ONAC022  | 3.80E-25 | 90.6  |
| GhNAC203 | CotAD_73593 | NAP      | 1.20E-26 | 95.3  |
| GhNAC204 | CotAD_73913 | NAM      | 4.10E-29 | 103.3 |
| GhNAC205 | CotAD_73988 | OsNAC7   | 3.30E-18 | 68.3  |
| GhNAC206 | CotAD_74122 | ONAC022  | 2.10E-25 | 91.4  |
| GhNAC207 | CotAD_74448 | No group | 1.00E-26 | 95.6  |
| GhNAC208 | CotAD_75795 | OsNAC7   | 4.10E-27 | 96.9  |
| GhNAC209 | CotAD_75926 | No group | 2.90E-24 | 87.8  |
| GhNAC210 | CotAD_76513 | OsNAC7   | 1.20E-25 | 92.2  |
| GhNAC211 | CotAD_76690 | OsNAC7   | 3.30E-26 | 94    |

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**TABLE S2** NAC proteins identified in *A.thaliana*, *T.cacao* and *V.vinifera*.

| Name      | Subfamily | E-value  | Score |
|-----------|-----------|----------|-------|
| AT1G01010 | No group  | 1.80E-19 | 71.3  |
| AT1G01720 | ATAF      | 1.80E-27 | 97    |
| AT1G02220 | No group  | 1.10E-19 | 72    |
| AT1G02230 | No group  | 2.00E-24 | 87.2  |
| AT1G02250 | No group  | 1.00E-21 | 78.5  |
| AT1G12260 | OsNAC7    | 1.20E-28 | 100.8 |
| AT1G19040 | No group  | 1.80E-13 | 52.1  |
| AT1G25580 | ONAC003   | 1.80E-12 | 48.9  |
| AT1G26870 | ONAC022   | 1.20E-25 | 91.1  |
| AT1G28470 | ONAC003   | 1.20E-14 | 55.8  |
| AT1G32510 | ANAC011   | 2.40E-27 | 96.5  |
| AT1G32770 | OsNAC7    | 6.60E-27 | 95.1  |
| AT1G32870 | No group  | 2.10E-26 | 93.5  |
| AT1G33060 | TIP       | 2.40E-27 | 96.6  |
| AT1G33280 | OsNAC7    | 4.30E-28 | 98.9  |
| AT1G34180 | No group  | 7.10E-26 | 91.8  |
| AT1G34190 | No group  | 1.90E-25 | 90.5  |
| AT1G52880 | NAP       | 1.70E-27 | 97    |
| AT1G52890 | AtNAC3    | 1.80E-25 | 90.6  |
| AT1G54330 | ANAC011   | 3.30E-29 | 102.5 |
| AT1G56010 | No group  | 1.00E-14 | 56    |
| AT1G60240 | No group  | 3.10E-07 | 32.1  |
| AT1G60280 | No group  | 3.80E-15 | 57.4  |
| AT1G60300 | No group  | 3.90E-16 | 60.6  |
| AT1G60340 | No group  | 7.50E-14 | 53.3  |
| AT1G60350 | No group  | 9.60E-17 | 62.6  |
| AT1G60380 | No group  | 6.90E-15 | 56.6  |
| AT1G61110 | NAP       | 1.70E-27 | 97    |
| AT1G62700 | OsNAC7    | 9.30E-29 | 101.1 |
| AT1G64105 | ANAC063   | 1.70E-10 | 42.6  |
| AT1G65910 | ANAC011   | 1.30E-29 | 103.8 |
| AT1G69490 | NAP       | 1.40E-26 | 94.1  |
| AT1G71930 | OsNAC7    | 8.00E-28 | 98.1  |
| AT1G76420 | No group  | 1.40E-26 | 94.1  |
| AT1G77450 | ATAF      | 7.70E-27 | 94.9  |
| AT1G79580 | OsNAC7    | 3.10E-27 | 96.2  |
| AT2G02450 | No group  | 3.40E-25 | 89.7  |
| AT2G17040 | No group  | 1.50E-24 | 87.6  |
| AT2G18060 | OsNAC7    | 6.40E-29 | 101.6 |
| AT2G24430 | NAM       | 1.40E-28 | 100.5 |
| AT2G27300 | OsNAC8    | 2.30E-24 | 87    |
| AT2G33480 | No group  | 1.40E-27 | 97.3  |

|           |          |          |       |
|-----------|----------|----------|-------|
| AT2G43000 | ONAC022  | 2.40E-25 | 90.1  |
| AT2G46770 | OsNAC7   | 1.10E-27 | 97.6  |
| AT3G01600 | ONAC003  | 9.30E-13 | 49.8  |
| AT3G03200 | ANAC011  | 6.80E-29 | 101.5 |
| AT3G04060 | NAM      | 1.10E-28 | 100.8 |
| AT3G04070 | NAP      | 5.70E-28 | 98.5  |
| AT3G04420 | No group | 5.80E-22 | 79.3  |
| AT3G04430 | No group | 5.90E-18 | 66.5  |
| AT3G10480 | NAC2     | 1.70E-27 | 97    |
| AT3G10490 | NAC2     | 6.10E-27 | 95.2  |
| AT3G10500 | No group | 1.20E-27 | 97.5  |
| AT3G12910 | ONAC022  | 8.50E-25 | 88.4  |
| AT3G12977 | No group | 1.30E-25 | 91    |
| AT3G15170 | NAM      | 1.50E-28 | 100.4 |
| AT3G15500 | AtNAC3   | 1.70E-25 | 90.6  |
| AT3G15510 | NAP      | 8.50E-28 | 98    |
| AT3G17730 | ANAC011  | 2.90E-30 | 105.9 |
| AT3G18400 | NAM      | 1.50E-29 | 103.6 |
| AT3G29035 | NAM      | 3.90E-30 | 105.5 |
| AT3G44290 | OsNAC8   | 3.50E-24 | 86.4  |
| AT3G44350 | TERN     | 2.20E-19 | 71    |
| AT3G49530 | TIP      | 2.40E-23 | 83.7  |
| AT3G55210 | ANAC063  | 1.30E-15 | 58.9  |
| AT3G56520 | ANAC063  | 1.80E-10 | 42.5  |
| AT3G56530 | ANAC063  | 1.00E-16 | 62.5  |
| AT3G61910 | OsNAC7   | 9.70E-27 | 94.6  |
| AT4G01520 | No group | 4.00E-23 | 83    |
| AT4G01540 | No group | 6.40E-22 | 79.2  |
| AT4G01550 | No group | 5.60E-25 | 89    |
| AT4G10350 | OsNAC7   | 6.40E-28 | 98.4  |
| AT4G17980 | ANAC011  | 7.30E-29 | 101.4 |
| AT4G27410 | AtNAC3   | 7.60E-26 | 91.7  |
| AT4G28500 | ONAC003  | 4.50E-15 | 57.2  |
| AT4G28530 | NAC1     | 1.50E-26 | 94    |
| AT4G29230 | ONAC003  | 8.60E-16 | 59.5  |
| AT4G35580 | TIP      | 1.10E-28 | 100.8 |
| AT4G36160 | OsNAC7   | 5.70E-29 | 101.8 |
| AT5G04400 | No group | 3.90E-24 | 86.3  |
| AT5G04410 | No group | 9.40E-28 | 97.8  |
| AT5G07680 | NAM      | 9.10E-30 | 104.3 |
| AT5G08790 | ATAF     | 9.50E-27 | 94.6  |
| AT5G09330 | No group | 1.40E-25 | 90.9  |
| AT5G13180 | SENU5    | 1.60E-27 | 97.1  |
| AT5G14000 | No group | 2.70E-19 | 70.7  |

|                |          |          |       |
|----------------|----------|----------|-------|
| AT5G14490      | ONAC003  | 8.70E-13 | 49.9  |
| AT5G17260      | ANAC011  | 5.90E-29 | 101.7 |
| AT5G18270      | NAM      | 4.20E-29 | 102.2 |
| AT5G18300      | ANAC063  | 2.70E-15 | 57.9  |
| AT5G22290      | OsNAC8   | 4.70E-25 | 89.2  |
| AT5G22380      | TERN     | 6.30E-23 | 82.4  |
| AT5G24590      | TIP      | 7.80E-25 | 88.5  |
| AT5G39610      | NAM      | 9.10E-30 | 104.3 |
| AT5G39820      | ONAC022  | 2.00E-25 | 90.4  |
| AT5G41090      | ANAC063  | 6.50E-11 | 43.9  |
| AT5G46590      | ANAC011  | 1.30E-29 | 103.8 |
| AT5G50820      | No group | 5.60E-18 | 66.5  |
| AT5G53950      | NAM      | 8.70E-29 | 101.2 |
| AT5G56620      | ONAC003  | 1.00E-15 | 59.3  |
| AT5G61430      | NAM      | 9.40E-30 | 104.3 |
| AT5G62380      | OsNAC7   | 4.40E-28 | 98.9  |
| AT5G63790      | ATAF     | 5.70E-26 | 92.1  |
| AT5G64060      | No group | 3.10E-24 | 86.6  |
| AT5G64530      | No group | 7.70E-22 | 78.9  |
| AT5G66300      | OsNAC7   | 1.30E-26 | 94.1  |
| Thecc1EG000097 | No group | 2.90E-25 | 90.2  |
| Thecc1EG000235 | OsNAC7   | 1.30E-28 | 100.9 |
| Thecc1EG001442 | No group | 7.10E-25 | 88.9  |
| Thecc1EG001450 | No group | 3.70E-25 | 89.8  |
| Thecc1EG001514 | No group | 6.40E-21 | 76.3  |
| Thecc1EG001595 | ATAF     | 2.40E-27 | 96.9  |
| Thecc1EG001955 | ONAC022  | 7.60E-25 | 88.8  |
| Thecc1EG002839 | No group | 3.20E-20 | 74    |
| Thecc1EG003998 | NAC1     | 1.30E-27 | 97.7  |
| Thecc1EG005007 | No group | 6.50E-19 | 69.8  |
| Thecc1EG005008 | No group | 4.10E-22 | 80.1  |
| Thecc1EG005009 | No group | 1.50E-21 | 78.3  |
| Thecc1EG005010 | No group | 4.70E-22 | 79.9  |
| Thecc1EG005011 | No group | 5.30E-18 | 66.9  |
| Thecc1EG005047 | OsNAC7   | 2.40E-27 | 96.8  |
| Thecc1EG006499 | No group | 4.30E-25 | 89.7  |
| Thecc1EG007543 | No group | 6.10E-23 | 82.7  |
| Thecc1EG008229 | ONAC003  | 1.20E-15 | 59.3  |
| Thecc1EG008477 | SENU5    | 8.80E-27 | 95.1  |
| Thecc1EG011671 | NAP      | 6.80E-27 | 95.4  |
| Thecc1EG011718 | ONAC022  | 2.80E-21 | 77.4  |
| Thecc1EG011869 | ONAC003  | 1.50E-13 | 52.6  |
| Thecc1EG012350 | NAM      | 1.50E-28 | 100.7 |
| Thecc1EG014073 | NAM      | 1.70E-29 | 103.7 |

|                |          |          |       |
|----------------|----------|----------|-------|
| Thecc1EG014713 | No group | 5.10E-26 | 92.6  |
| Thecc1EG014939 | OsNAC7   | 1.20E-28 | 101   |
| Thecc1EG015535 | TIP      | 1.70E-27 | 97.3  |
| Thecc1EG015584 | TIP      | 4.30E-28 | 99.2  |
| Thecc1EG015621 | OsNAC7   | 1.70E-26 | 94.1  |
| Thecc1EG015749 | ANAC011  | 2.20E-29 | 103.4 |
| Thecc1EG016035 | OsNAC7   | 1.10E-28 | 101.2 |
| Thecc1EG016984 | ONAC003  | 3.90E-13 | 51.3  |
| Thecc1EG017048 | No group | 3.40E-23 | 83.5  |
| Thecc1EG017070 | No group | 6.40E-23 | 82.7  |
| Thecc1EG017284 | No group | 1.70E-20 | 74.9  |
| Thecc1EG017681 | ANAC011  | 3.80E-30 | 105.8 |
| Thecc1EG018508 | ONAC022  | 3.50E-25 | 89.9  |
| Thecc1EG018621 | NAM      | 3.50E-30 | 105.9 |
| Thecc1EG019937 | No group | 2.80E-13 | 51.8  |
| Thecc1EG019938 | No group | 7.00E-16 | 60.1  |
| Thecc1EG020121 | No group | 3.50E-16 | 61.1  |
| Thecc1EG020125 | No group | 2.10E-16 | 61.8  |
| Thecc1EG020127 | No group | 1.40E-15 | 59.1  |
| Thecc1EG022059 | No group | 7.40E-16 | 60    |
| Thecc1EG022126 | NAP      | 8.30E-28 | 98.3  |
| Thecc1EG022676 | TERN     | 5.70E-23 | 82.8  |
| Thecc1EG022690 | TERN     | 1.80E-21 | 78    |
| Thecc1EG024689 | No group | 5.50E-25 | 89.3  |
| Thecc1EG024695 | No group | 1.70E-23 | 84.5  |
| Thecc1EG025165 | No group | 1.10E-12 | 49.9  |
| Thecc1EG025180 | No group | 7.40E-13 | 50.4  |
| Thecc1EG025211 | No group | 6.50E-13 | 50.6  |
| Thecc1EG025212 | No group | 7.80E-13 | 50.3  |
| Thecc1EG025221 | No group | 7.00E-13 | 50.5  |
| Thecc1EG025473 | No group | 3.10E-13 | 51.6  |
| Thecc1EG026028 | NAM      | 1.30E-29 | 104.1 |
| Thecc1EG026030 | NAP      | 4.00E-27 | 96.1  |
| Thecc1EG027945 | No group | 8.00E-25 | 88.8  |
| Thecc1EG028313 | No group | 1.00E-22 | 82    |
| Thecc1EG029321 | ONAC022  | 1.10E-24 | 88.3  |
| Thecc1EG029796 | NAP      | 5.00E-25 | 89.4  |
| Thecc1EG029798 | ONAC003  | 4.90E-15 | 57.4  |
| Thecc1EG029931 | NAP      | 3.50E-28 | 99.5  |
| Thecc1EG030287 | No group | 2.70E-16 | 61.5  |
| Thecc1EG031363 | NAP      | 4.80E-28 | 99.1  |
| Thecc1EG031364 | AtNAC3   | 2.60E-25 | 90.4  |
| Thecc1EG031619 | NAM      | 1.80E-28 | 100.4 |
| Thecc1EG032389 | ONAC022  | 2.20E-25 | 90.6  |

|                   |          |          |       |
|-------------------|----------|----------|-------|
| Thecc1EG032393    | ONAC022  | 1.70E-24 | 87.8  |
| Thecc1EG032479    | No group | 3.20E-27 | 96.5  |
| Thecc1EG033629    | ANAC011  | 7.30E-29 | 101.7 |
| Thecc1EG033728    | OsNAC7   | 5.80E-28 | 98.8  |
| Thecc1EG033799    | No group | 2.10E-17 | 65    |
| Thecc1EG033990    | ANAC063  | 0.00012  | 24.1  |
| Thecc1EG034835    | No group | 2.80E-27 | 96.6  |
| Thecc1EG035160    | ATAF     | 6.30E-28 | 98.7  |
| Thecc1EG036034    | OsNAC7   | 1.10E-27 | 97.9  |
| Thecc1EG036193    | No group | 7.00E-19 | 69.7  |
| Thecc1EG036197    | No group | 1.10E-18 | 69.1  |
| Thecc1EG036236    | No group | 9.20E-19 | 69.3  |
| Thecc1EG036247    | No group | 2.10E-08 | 36.2  |
| Thecc1EG036364    | OsNAC7   | 1.50E-28 | 100.8 |
| Thecc1EG036587    | No group | 3.10E-27 | 96.5  |
| Thecc1EG036791    | NAM      | 1.30E-28 | 100.9 |
| Thecc1EG037747    | ONAC003  | 2.30E-16 | 61.6  |
| Thecc1EG040737    | No group | 2.40E-25 | 90.4  |
| Thecc1EG041055    | NAP      | 2.50E-26 | 93.6  |
| Thecc1EG041332    | OsNAC8   | 6.30E-25 | 89.1  |
| Thecc1EG041364    | TERN     | 1.40E-22 | 81.5  |
| Thecc1EG042655    | No group | 1.80E-24 | 87.6  |
| Thecc1EG043185    | No group | 3.00E-14 | 54.9  |
| Thecc1EG043195    | No group | 3.10E-12 | 48.4  |
| Thecc1EG043199    | No group | 1.60E-14 | 55.7  |
| Thecc1EG043357    | NAC2     | 2.10E-27 | 97.1  |
| Thecc1EG043360    | No group | 8.10E-28 | 98.4  |
| Thecc1EG044619    | No group | 1.40E-08 | 36.7  |
| Thecc1EG044633    | No group | 1.30E-13 | 52.8  |
| Thecc1EG044667    | No group | 3.00E-12 | 48.5  |
| Thecc1EG044739    | No group | 5.80E-13 | 50.8  |
| Thecc1EG044911    | ANAC011  | 3.40E-30 | 106   |
| GSVIVT01000940001 | SENU5    | 5.30E-27 | 95    |
| GSVIVT01001264001 | OsNAC7   | 4.20E-29 | 101.8 |
| GSVIVT01006485001 | NAP      | 3.60E-28 | 98.8  |
| GSVIVT01007194001 | No group | 5.40E-25 | 88.6  |
| GSVIVT01007982001 | NAM      | 6.00E-30 | 104.5 |
| GSVIVT01008291001 | NAM      | 7.90E-30 | 104.1 |
| GSVIVT01008601001 | SENU5    | 4.00E-26 | 92.2  |
| GSVIVT01008839001 | ATAF     | 1.10E-27 | 97.2  |
| GSVIVT01011420001 | ONAC022  | 1.40E-25 | 90.4  |
| GSVIVT01011445001 | NAM      | 3.10E-30 | 105.4 |
| GSVIVT01011954001 | ONAC003  | 9.90E-14 | 52.5  |
| GSVIVT01013182001 | ANAC011  | 2.20E-30 | 105.8 |

|                   |          |          |       |
|-------------------|----------|----------|-------|
| GSVIVT01013419001 | No group | 5.50E-28 | 98.2  |
| GSVIVT01013671001 | No group | 1.30E-27 | 97    |
| GSVIVT01014287001 | NAM      | 2.80E-28 | 99.1  |
| GSVIVT01014403001 | AtNAC3   | 1.60E-26 | 93.5  |
| GSVIVT01014405001 | NAP      | 2.60E-28 | 99.2  |
| GSVIVT01015274001 | ONAC003  | 1.90E-16 | 61.2  |
| GSVIVT01016175001 | No group | 1.80E-27 | 96.6  |
| GSVIVT01016176001 | NAC2     | 6.10E-27 | 94.8  |
| GSVIVT01018623001 | OsNAC7   | 4.60E-29 | 101.6 |
| GSVIVT01018809001 | OsNAC7   | 1.70E-29 | 103   |
| GSVIVT01019670001 | OsNAC7   | 2.60E-27 | 96    |
| GSVIVT01019702001 | TIP      | 1.30E-26 | 93.8  |
| GSVIVT01019952001 | NAP      | 3.00E-27 | 95.8  |
| GSVIVT01019993001 | ONAC022  | 9.20E-26 | 91.1  |
| GSVIVT01020384001 | ONAC022  | 3.20E-25 | 89.3  |
| GSVIVT01020387001 | ONAC022  | 3.50E-26 | 92.4  |
| GSVIVT01020388001 | ONAC022  | 4.50E-26 | 92.1  |
| GSVIVT01020389001 | ONAC022  | 7.20E-26 | 91.4  |
| GSVIVT01020394001 | ONAC022  | 4.70E-26 | 92    |
| GSVIVT01020478001 | No group | 1.70E-26 | 93.4  |
| GSVIVT01020609001 | ONAC003  | 1.40E-15 | 58.4  |
| GSVIVT01020834001 | ONAC022  | 1.90E-25 | 90    |
| GSVIVT01021120001 | ONAC003  | 1.50E-15 | 58.3  |
| GSVIVT01022354001 | ATAF     | 2.10E-27 | 96.3  |
| GSVIVT01023123001 | No group | 1.90E-25 | 90.1  |
| GSVIVT01023921001 | No group | 1.00E-24 | 87.7  |
| GSVIVT01025165001 | NAP      | 3.70E-26 | 92.3  |
| GSVIVT01025244001 | No group | 1.50E-23 | 83.9  |
| GSVIVT01025515001 | No group | 1.90E-27 | 96.4  |
| GSVIVT01025657001 | NAP      | 2.30E-27 | 96.2  |
| GSVIVT01026055001 | TERN     | 5.40E-24 | 85.4  |
| GSVIVT01026468001 | No group | 6.30E-22 | 78.8  |
| GSVIVT01026495001 | No group | 2.40E-25 | 89.7  |
| GSVIVT01027431001 | OsNAC7   | 1.40E-27 | 96.9  |
| GSVIVT01027470001 | No group | 1.40E-25 | 90.5  |
| GSVIVT01027472001 | No group | 1.80E-23 | 83.7  |
| GSVIVT01027473001 | No group | 9.80E-21 | 74.9  |
| GSVIVT01027475001 | No group | 4.20E-47 | 159.5 |
| GSVIVT01027477001 | No group | 2.80E-27 | 95.9  |
| GSVIVT01028354001 | NAC1     | 5.80E-28 | 98.1  |
| GSVIVT01029392001 | ANAC011  | 3.00E-30 | 105.4 |
| GSVIVT01029709001 | No group | 1.80E-23 | 83.7  |
| GSVIVT01032388001 | ONAC003  | 8.50E-13 | 49.5  |
| GSVIVT01033032001 | No group | 3.40E-25 | 89.3  |

|                   |         |          |       |
|-------------------|---------|----------|-------|
| GSVIVT01033372001 | NAP     | 4.10E-27 | 95.4  |
| GSVIVT01033374001 | NAM     | 1.20E-29 | 103.5 |
| GSVIVT01033886001 | TERN    | 1.10E-11 | 45.9  |
| GSVIVT01034485001 | OsNAC7  | 2.30E-28 | 99.4  |
| GSVIVT01035214001 | ANAC011 | 3.40E-30 | 105.3 |
| GSVIVT01035554001 | NAM     | 3.30E-28 | 98.9  |
| GSVIVT01036071001 | OsNAC8  | 1.10E-25 | 90.8  |
| GSVIVT01036091001 | TERN    | 2.10E-25 | 89.9  |
| GSVIVT01036682001 | OsNAC7  | 6.50E-28 | 98    |
| GSVIVT01036711001 | ANAC011 | 2.70E-29 | 102.4 |
| GSVIVT01037113001 | OsNAC7  | 3.40E-28 | 98.8  |
| GSVIVT01038666001 | TIP     | 7.20E-27 | 94.6  |

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**TABLE S3** List of the orthologous groups of GaNAC, GrNAC and GhNAC through OrthoMCL clustering.

| Name    | Subfamily | Orthomcl_group | Seq_id_of_best_hit | E value_mantissa | E value_exponent | Percent_identity | Percent_match |
|---------|-----------|----------------|--------------------|------------------|------------------|------------------|---------------|
| GrNAC1  | ATAF      | OG5_135169     | rcom 29648.m002012 | 1                | -141             | 79               | 99            |
| GrNAC2  | ONAC003   | OG5_213021     | rcom 29738.m001046 | 1                | -171             | 68               | 100           |
| GrNAC3  | ONAC022   | OG5_190119     | rcom 30169.m006343 | 1                | -101             | 63               | 99            |
| GrNAC4  | ONAC022   | OG5_190119     | rcom 30169.m006343 | 6                | -79              | 51               | 94            |
| GrNAC5  | ONAC022   | OG5_177548     | rcom 29032.m000021 | 1                | -143             | 66               | 100           |
| GrNAC6  | SENU5     | OG5_212763     | rcom 30128.m009035 | 1                | -113             | 79               | 100           |
| GrNAC7  | No group  | NO_GROUP       | rcom 29686.m000865 | 7                | -25              | 36               | 56            |
| GrNAC8  | NAM       | OG5_150285     | rcom 27950.m000105 | 1                | -125             | 70               | 100           |
| GrNAC9  | OsNAC7    | OG5_170479     | rcom 30068.m002591 | 1                | -172             | 73               | 100           |
| GrNAC10 | AtNAC3    | OG5_135169     | rcom 28219.m000090 | 1                | -131             | 70               | 100           |
| GrNAC11 | NAP       | OG5_135169     | rcom 27961.m000091 | 1                | -153             | 76               | 100           |
| GrNAC12 | No group  | OG5_167608     | rcom 30076.m004477 | 2                | -29              | 49               | 66            |
| GrNAC13 | NAM       | OG5_164656     | rcom 30138.m004055 | 1                | -159             | 74               | 100           |
| GrNAC14 | No group  | OG5_164225     | rcom 29650.m000275 | 2                | -69              | 59               | 100           |
| GrNAC15 | No group  | NO_GROUP       | rcom 29686.m000865 | 2                | -31              | 48               | 72            |
| GrNAC16 | NAP       | OG5_177391     | rcom 29950.m001173 | 1                | -114             | 62               | 95            |
| GrNAC17 | No group  | NO_GROUP       | rcom 28011.m000080 | 3                | -46              | 46               | 78            |
| GrNAC18 | No group  | NO_GROUP       | rcom 28011.m000080 | 4                | -35              | 54               | 76            |
| GrNAC19 | OsNAC7    | OG5_212584     | rcom 29382.m000084 | 1                | -131             | 65               | 95            |
| GrNAC20 | ANAC011   | OG5_139552     | rcom 30171.m000407 | 1                | -179             | 53               | 100           |
| GrNAC21 | NAC2      | OG5_160086     | atha NP_850554     | 1                | -127             | 55               | 96            |
| GrNAC22 | No group  | OG5_164698     | rcom 30063.m001417 | 1                | -139             | 67               | 100           |
| GrNAC23 | NAP       | OG5_213067     | rcom 29813.m001519 | 1                | -114             | 70               | 98            |
| GrNAC24 | OsNAC7    | OG5_140455     | rcom 30147.m014211 | 1                | -140             | 70               | 100           |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GrNAC25 | No group | OG5_178238 | rcom 29797.m000353 | 1 | -104 | 65 | 100 |
| GrNAC26 | NAC2     | OG5_160086 | atha NP_850554     | 1 | -124 | 54 | 100 |
| GrNAC27 | OsNAC7   | OG5_140455 | rcom 28200.m000189 | 1 | -166 | 80 | 100 |
| GrNAC28 | OsNAC7   | OG5_140455 | rcom 28200.m000189 | 1 | -163 | 77 | 100 |
| GrNAC29 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -116 | 65 | 97  |
| GrNAC30 | ONAC022  | OG5_177548 | rcom 29032.m000021 | 2 | -94  | 48 | 99  |
| GrNAC31 | ANAC011  | OG5_139552 | rcom 30172.m000206 | 4 | -87  | 82 | 100 |
| GrNAC32 | No group | NO_GROUP   | rcom 30131.m007019 | 4 | -54  | 58 | 99  |
| GrNAC33 | No group | NO_GROUP   | rcom 29830.m001415 | 4 | -67  | 69 | 92  |
| GrNAC34 | ONAC003  | OG5_177766 | rcom 29917.m002016 | 1 | -135 | 63 | 100 |
| GrNAC35 | No group | OG5_135169 | osat NP_001060017  | 1 | -34  | 48 | 86  |
| GrNAC36 | TIP      | OG5_160072 | rcom 30068.m002619 | 1 | -131 | 44 | 98  |
| GrNAC37 | TIP      | OG5_190295 | rcom 29764.m000758 | 1 | -102 | 44 | 88  |
| GrNAC38 | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -120 | 70 | 100 |
| GrNAC39 | No group | OG5_167608 | rcom 30076.m004487 | 3 | -32  | 40 | 50  |
| GrNAC40 | NAC1     | OG5_170224 | osat NP_001053312  | 2 | -78  | 58 | 92  |
| GrNAC41 | SENU5    | OG5_212763 | rcom 30128.m009035 | 1 | -116 | 80 | 100 |
| GrNAC42 | ANAC011  | OG5_139552 | rcom 29770.m000336 | 1 | -123 | 65 | 100 |
| GrNAC43 | OsNAC7   | OG5_160167 | rcom 29725.m000235 | 1 | -137 | 73 | 100 |
| GrNAC44 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 5 | -76  | 52 | 98  |
| GrNAC45 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -78  | 53 | 93  |
| GrNAC46 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 3 | -82  | 55 | 98  |
| GrNAC47 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -141 | 64 | 95  |
| GrNAC48 | TERN     | OG5_156371 | atha NP_001118771  | 8 | -71  | 56 | 99  |
| GrNAC49 | OsNAC8   | OG5_212233 | rcom 30055.m001612 | 1 | -123 | 63 | 93  |
| GrNAC50 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -144 | 74 | 99  |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GrNAC51 | TIP      | OG5_160072 | rcom 30068.m002619 | 1 | -122 | 44 | 91  |
| GrNAC52 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -152 | 67 | 100 |
| GrNAC53 | TIP      | OG5_190295 | rcom 29764.m000758 | 5 | -92  | 55 | 59  |
| GrNAC54 | No group | NO_GROUP   | rcom 29686.m000865 | 8 | -20  | 31 | 67  |
| GrNAC55 | No group | OG5_135169 | osat NP_001044617  | 1 | -38  | 39 | 65  |
| GrNAC56 | No group | OG5_178238 | rcom 29797.m000353 | 6 | -98  | 62 | 97  |
| GrNAC57 | No group | OG5_178238 | rcom 29797.m000353 | 1 | -104 | 66 | 95  |
| GrNAC58 | ANAC011  | OG5_139552 | rcom 29770.m000336 | 1 | -132 | 70 | 98  |
| GrNAC59 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -144 | 72 | 100 |
| GrNAC60 | AtNAC3   | OG5_135169 | rcom 28219.m000090 | 1 | -136 | 73 | 100 |
| GrNAC61 | OsNAC7   | OG5_212126 | rcom 29728.m000815 | 1 | -104 | 59 | 99  |
| GrNAC62 | No group | OG5_178154 | rcom 29683.m000467 | 1 | -48  | 48 | 97  |
| GrNAC63 | ATAF     | NO_GROUP   | rcom 30193.m000709 | 3 | -97  | 67 | 78  |
| GrNAC64 | No group | OG5_160025 | atha NP_564440     | 1 | -121 | 43 | 98  |
| GrNAC65 | NAP      | OG5_245102 | rcom 30078.m002348 | 2 | -63  | 66 | 54  |
| GrNAC66 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 1 | -89  | 57 | 95  |
| GrNAC67 | No group | OG5_213067 | rcom 29813.m001519 | 4 | -44  | 49 | 57  |
| GrNAC68 | No group | OG5_160286 | atha NP_195080     | 7 | -57  | 52 | 52  |
| GrNAC69 | No group | OG5_213067 | rcom 29813.m001519 | 2 | -47  | 49 | 62  |
| GrNAC70 | No group | OG5_213067 | rcom 29813.m001519 | 3 | -47  | 49 | 62  |
| GrNAC71 | TERN     | OG5_244818 | rcom 30032.m000479 | 6 | -74  | 72 | 78  |
| GrNAC72 | NAC1     | OG5_170224 | osat NP_001053312  | 9 | -85  | 57 | 97  |
| GrNAC73 | TIP      | OG5_190295 | rcom 29764.m000758 | 1 | -102 | 44 | 87  |
| GrNAC74 | ANAC011  | OG5_139552 | rcom 30172.m000206 | 1 | -110 | 79 | 99  |
| GrNAC75 | No group | NO_GROUP   | rcom 30147.m014441 | 1 | -14  | 28 | 61  |
| GrNAC76 | No group | NO_GROUP   | rcom 30076.m004475 | 5 | -18  | 31 | 55  |

|          |          |            |                     |   |      |    |     |
|----------|----------|------------|---------------------|---|------|----|-----|
| GrNAC77  | No group | NO_GROUP   | rcom 30076.m004475  | 1 | -17  | 36 | 67  |
| GrNAC78  | No group | OG5_135169 | ppat e_gw1.164.18.1 | 7 | -14  | 29 | 92  |
| GrNAC79  | No group | OG5_177548 | rcom 29813.m001479  | 7 | -12  | 27 | 53  |
| GrNAC80  | No group | OG5_160025 | atha NP_564440      | 1 | -123 | 43 | 98  |
| GrNAC81  | NAM      | OG5_164511 | rcom 29950.m001171  | 1 | -111 | 57 | 100 |
| GrNAC82  | ONAC022  | OG5_190119 | rcom 30169.m006343  | 7 | -71  | 47 | 98  |
| GrNAC83  | OsNAC7   | OG5_140455 | rcom 28200.m000189  | 1 | -172 | 83 | 100 |
| GrNAC84  | ANAC011  | OG5_190411 | rcom 29827.m002555  | 1 | -123 | 70 | 96  |
| GrNAC85  | No group | NO_GROUP   | rcom 30169.m006458  | 1 | -55  | 56 | 63  |
| GrNAC86  | No group | OG5_139552 | rcom 28872.m000248  | 1 | -163 | 52 | 99  |
| GrNAC87  | NAC2     | OG5_160086 | atha NP_974272      | 1 | -121 | 54 | 99  |
| GrNAC88  | NAP      | OG5_245102 | rcom 30078.m002348  | 1 | -100 | 69 | 87  |
| GrNAC89  | NAC1     | OG5_170224 | osat NP_001053312   | 3 | -80  | 58 | 96  |
| GrNAC90  | TERN     | OG5_156371 | atha NP_001118771   | 5 | -67  | 56 | 99  |
| GrNAC91  | OsNAC7   | OG5_170479 | rcom 27964.m000369  | 1 | -141 | 74 | 99  |
| GrNAC92  | No group | OG5_160072 | atha NP_567986      | 3 | -37  | 33 | 57  |
| GrNAC93  | No group | OG5_189953 | rcom 30170.m014236  | 1 | -125 | 65 | 97  |
| GrNAC94  | No group | OG5_178154 | rcom 29683.m000467  | 2 | -81  | 78 | 100 |
| GrNAC95  | No group | OG5_178154 | rcom 29683.m000467  | 1 | -71  | 71 | 98  |
| GrNAC96  | No group | NO_GROUP   | rcom 29686.m000865  | 4 | -23  | 36 | 61  |
| GrNAC97  | NAC1     | OG5_170224 | osat NP_001053312   | 2 | -81  | 55 | 96  |
| GrNAC98  | No group | OG5_190295 | atha NP_197847      | 2 | -32  | 38 | 51  |
| GrNAC99  | OsNAC7   | OG5_170479 | rcom 30068.m002591  | 1 | -157 | 69 | 100 |
| GrNAC100 | NAP      | OG5_245102 | rcom 30111.m000742  | 6 | -65  | 70 | 60  |
| GrNAC101 | ONAC022  | OG5_190119 | osat NP_001051438   | 1 | -49  | 69 | 96  |
| GrNAC102 | OsNAC8   | OG5_212233 | rcom 30055.m001612  | 1 | -119 | 60 | 91  |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GrNAC103 | OsNAC7   | OG5_140455 | rcom 30147.m014211 | 1 | -123 | 67 | 98  |
| GrNAC104 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -136 | 71 | 91  |
| GrNAC105 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -107 | 56 | 100 |
| GrNAC106 | ONAC003  | OG5_137520 | rcom 29917.m002005 | 0 | -181 | 61 | 98  |
| GrNAC107 | No group | OG5_156359 | atha NP_001154700  | 8 | -78  | 50 | 86  |
| GrNAC108 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -122 | 65 | 100 |
| GrNAC109 | No group | NO_GROUP   | rcom 30147.m014441 | 1 | -55  | 69 | 90  |
| GrNAC110 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -128 | 65 | 100 |
| GrNAC111 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -102 | 62 | 98  |
| GrNAC112 | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -126 | 62 | 100 |
| GrNAC113 | ONAC003  | OG5_170647 | rcom 30190.m010767 | 1 | -129 | 71 | 100 |
| GrNAC114 | NAP      | OG5_135169 | rcom 29851.m002359 | 1 | -130 | 69 | 99  |
| GrNAC115 | No group | OG5_189953 | rcom 30170.m014236 | 1 | -137 | 64 | 100 |
| GrNAC116 | ANAC063  | OG5_243120 | rcom 30170.m013995 | 3 | -46  | 40 | 99  |
| GrNAC117 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -131 | 70 | 99  |
| GrNAC118 | ANAC011  | OG5_139552 | rcom 30171.m000407 | 1 | -179 | 52 | 99  |
| GrNAC119 | ONAC003  | OG5_170647 | rcom 29983.m003125 | 1 | -146 | 87 | 100 |
| GrNAC120 | No group | NO_GROUP   | rcom 30131.m007019 | 1 | -70  | 57 | 93  |
| GrNAC121 | TERN     | OG5_244818 | rcom 30032.m000479 | 1 | -81  | 60 | 96  |
| GrNAC122 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -147 | 77 | 99  |
| GrNAC123 | No group | OG5_167608 | rcom 30076.m004477 | 4 | -29  | 37 | 86  |
| GrNAC124 | No group | OG5_167608 | rcom 30076.m004477 | 3 | -37  | 44 | 84  |
| GrNAC125 | No group | NO_GROUP   | rcom 30169.m006458 | 3 | -62  | 58 | 55  |
| GrNAC126 | ONAC003  | OG5_190453 | rcom 29912.m005354 | 0 | -181 | 76 | 100 |
| GrNAC127 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -129 | 72 | 96  |
| GrNAC128 | NAP      | OG5_213067 | rcom 29813.m001519 | 1 | -114 | 73 | 96  |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GrNAC129 | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -136 | 65 | 100 |
| GrNAC130 | No group | OG5_178154 | rcom 29683.m000467 | 1 | -56  | 75 | 71  |
| GrNAC131 | ONAC003  | OG5_190453 | rcom 29912.m005354 | 0 | -181 | 84 | 96  |
| GrNAC132 | ATAF     | OG5_135169 | rcom 29648.m002012 | 1 | -128 | 75 | 98  |
| GrNAC133 | NAM      | OG5_150285 | rcom 28226.m000851 | 1 | -130 | 72 | 100 |
| GrNAC134 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -140 | 72 | 100 |
| GrNAC135 | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -123 | 69 | 100 |
| GrNAC136 | NAM      | OG5_164511 | rcom 29950.m001171 | 1 | -121 | 62 | 100 |
| GrNAC137 | NAP      | OG5_177391 | rcom 29950.m001173 | 1 | -133 | 69 | 99  |
| GrNAC138 | NAM      | OG5_190207 | rcom 29974.m000235 | 1 | -115 | 69 | 100 |
| GrNAC139 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -137 | 70 | 99  |
| GrNAC140 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 1 | -80  | 55 | 97  |
| GrNAC141 | ONAC003  | OG5_170647 | rcom 30190.m010767 | 1 | -124 | 72 | 99  |
| GrNAC142 | NAP      | OG5_135169 | rcom 29851.m002359 | 1 | -104 | 74 | 93  |
| GaNAC1   | No group | OG5_139552 | atha NP_188400     | 6 | -35  | 43 | 65  |
| GaNAC2   | No group | OG5_178238 | rcom 29797.m000353 | 1 | -97  | 63 | 97  |
| GaNAC3   | No group | OG5_178238 | rcom 29797.m000353 | 1 | -104 | 66 | 98  |
| GaNAC4   | No group | OG5_178154 | rcom 29683.m000467 | 6 | -72  | 71 | 98  |
| GaNAC5   | No group | OG5_139552 | atha NP_176766     | 1 | -6   | 29 | 72  |
| GaNAC6   | No group | NO_GROUP   | rcom 29830.m001415 | 1 | -67  | 69 | 93  |
| GaNAC7   | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -103 | 59 | 100 |
| GaNAC8   | No group | NO_GROUP   | rcom 30169.m006458 | 3 | -62  | 58 | 55  |
| GaNAC9   | No group | OG5_212763 | rcom 30128.m009035 | 1 | -63  | 55 | 96  |
| GaNAC10  | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 8 | -78  | 89 | 97  |
| GaNAC11  | ANAC011  | OG5_139552 | rcom 29770.m000336 | 1 | -132 | 68 | 98  |
| GaNAC12  | TIP      | OG5_190295 | rcom 29764.m000758 | 1 | -80  | 77 | 93  |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GaNAC13 | TIP      | OG5_190295 | rcom 29764.m000758 | 2 | -90  | 54 | 61  |
| GaNAC14 | ANAC011  | OG5_139552 | rcom 30172.m000206 | 1 | -109 | 79 | 99  |
| GaNAC15 | NAC1     | OG5_170224 | osat NP_001053312  | 3 | -80  | 56 | 97  |
| GaNAC16 | OsNAC7   | OG5_140455 | rcom 30147.m014211 | 1 | -141 | 70 | 100 |
| GaNAC17 | NAP      | OG5_245102 | rcom 30111.m000742 | 2 | -64  | 69 | 60  |
| GaNAC18 | No group | OG5_190411 | atha NP_193532     | 5 | -13  | 31 | 50  |
| GaNAC19 | No group | OG5_140951 | rcom 29657.m000482 | 1 | -12  | 32 | 55  |
| GaNAC20 | ONAC003  | OG5_170647 | rcom 29983.m003125 | 1 | -145 | 86 | 100 |
| GaNAC21 | No group | OG5_160025 | atha NP_564440     | 1 | -126 | 44 | 99  |
| GaNAC22 | No group | OG5_189953 | rcom 30170.m014236 | 1 | -136 | 64 | 100 |
| GaNAC23 | No group | NO_GROUP   | rcom 29686.m000865 | 8 | -31  | 47 | 72  |
| GaNAC24 | No group | OG5_190295 | atha NP_197847     | 9 | -31  | 42 | 85  |
| GaNAC25 | ONAC022  | OG5_190119 | osat NP_001051438  | 2 | -60  | 73 | 74  |
| GaNAC26 | No group | OG5_139552 | osat NP_001062518  | 1 | -20  | 33 | 79  |
| GaNAC27 | OsNAC7   | OG5_212584 | atha NP_192773     | 4 | -81  | 90 | 90  |
| GaNAC28 | ANAC011  | OG5_139552 | rcom 29770.m000336 | 1 | -122 | 65 | 100 |
| GaNAC29 | OsNAC7   | OG5_160167 | rcom 29725.m000235 | 1 | -136 | 73 | 100 |
| GaNAC30 | NAC2     | OG5_160086 | atha NP_850554     | 1 | -125 | 53 | 96  |
| GaNAC31 | NAP      | OG5_213067 | rcom 29813.m001519 | 1 | -115 | 70 | 98  |
| GaNAC32 | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -120 | 72 | 97  |
| GaNAC33 | AtNAC3   | OG5_135169 | rcom 28219.m000090 | 1 | -132 | 70 | 100 |
| GaNAC34 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -152 | 76 | 100 |
| GaNAC35 | ANAC063  | OG5_243120 | rcom 30170.m013995 | 6 | -50  | 44 | 88  |
| GaNAC36 | OsNAC7   | OG5_140455 | rcom 28200.m000189 | 1 | -171 | 82 | 100 |
| GaNAC37 | No group | NO_GROUP   | rcom 30131.m007019 | 9 | -73  | 55 | 93  |
| GaNAC38 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -120 | 69 | 88  |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GaNAC39 | TIP      | OG5_190295 | rcom 29764.m000758 | 1 | -104 | 44 | 92  |
| GaNAC40 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -141 | 64 | 99  |
| GaNAC41 | No group | NO_GROUP   | rcom 30170.m013849 | 4 | -74  | 55 | 97  |
| GaNAC42 | No group | OG5_160025 | atha NP_564440     | 1 | -124 | 45 | 98  |
| GaNAC43 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -101 | 62 | 98  |
| GaNAC44 | ONAC003  | OG5_190453 | rcom 29912.m005354 | 0 | -181 | 75 | 98  |
| GaNAC45 | No group | OG5_156359 | atha NP_001154700  | 1 | -77  | 49 | 86  |
| GaNAC46 | TERN     | OG5_156371 | rcom 30055.m001588 | 1 | -78  | 62 | 98  |
| GaNAC47 | SENU5    | OG5_212763 | rcom 30128.m009035 | 1 | -114 | 79 | 100 |
| GaNAC48 | SENU5    | OG5_212763 | rcom 30128.m009035 | 1 | -112 | 79 | 100 |
| GaNAC49 | TERN     | OG5_244818 | rcom 30032.m000479 | 3 | -75  | 67 | 89  |
| GaNAC50 | ONAC003  | OG5_170647 | rcom 30190.m010767 | 1 | -130 | 71 | 100 |
| GaNAC51 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 4 | -77  | 88 | 98  |
| GaNAC52 | ANAC011  | OG5_139552 | rcom 30171.m000407 | 1 | -171 | 55 | 93  |
| GaNAC53 | No group | OG5_189953 | rcom 30170.m014236 | 1 | -124 | 65 | 97  |
| GaNAC54 | ANAC011  | OG5_139552 | rcom 30172.m000206 | 1 | -118 | 83 | 100 |
| GaNAC55 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -128 | 71 | 89  |
| GaNAC56 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -152 | 68 | 100 |
| GaNAC57 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -158 | 73 | 100 |
| GaNAC58 | No group | OG5_213067 | rcom 29813.m001519 | 1 | -40  | 50 | 56  |
| GaNAC59 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -143 | 72 | 100 |
| GaNAC60 | AtNAC3   | OG5_135169 | rcom 28219.m000090 | 1 | -140 | 74 | 100 |
| GaNAC61 | ANAC063  | OG5_243120 | rcom 30170.m013995 | 4 | -47  | 39 | 99  |
| GaNAC62 | OsNAC8   | OG5_212233 | rcom 30055.m001612 | 1 | -115 | 59 | 90  |
| GaNAC63 | No group | OG5_160072 | atha NP_001119122  | 2 | -38  | 33 | 58  |
| GaNAC64 | No group | OG5_167608 | rcom 30076.m004487 | 8 | -32  | 37 | 50  |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GaNAC65 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -107 | 56 | 100 |
| GaNAC66 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -148 | 78 | 99  |
| GaNAC67 | No group | OG5_167608 | rcom 30076.m004477 | 1 | -28  | 38 | 79  |
| GaNAC68 | No group | OG5_167608 | rcom 30076.m004477 | 1 | -36  | 44 | 84  |
| GaNAC69 | No group | OG5_178154 | rcom 29683.m000467 | 6 | -79  | 73 | 99  |
| GaNAC70 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 3 | -90  | 55 | 100 |
| GaNAC71 | ATAF     | OG5_135169 | rcom 29648.m002012 | 1 | -141 | 79 | 99  |
| GaNAC72 | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -124 | 70 | 100 |
| GaNAC73 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -140 | 72 | 100 |
| GaNAC74 | OsNAC7   | OG5_140455 | rcom 28200.m000189 | 1 | -164 | 78 | 100 |
| GaNAC75 | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -120 | 69 | 100 |
| GaNAC76 | TIP      | OG5_160072 | rcom 30068.m002619 | 1 | -124 | 44 | 91  |
| GaNAC77 | ONAC003  | OG5_190453 | rcom 29912.m005354 | 0 | -181 | 82 | 100 |
| GaNAC78 | NAM      | OG5_164511 | rcom 29950.m001171 | 1 | -123 | 62 | 100 |
| GaNAC79 | NAP      | OG5_177391 | rcom 29950.m001173 | 1 | -131 | 69 | 99  |
| GaNAC80 | OsNAC7   | OG5_140455 | rcom 28200.m000189 | 1 | -166 | 81 | 100 |
| GaNAC81 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 3 | -82  | 97 | 98  |
| GaNAC82 | ONAC022  | OG5_177548 | rcom 29032.m000021 | 2 | -94  | 48 | 99  |
| GaNAC83 | ONAC003  | OG5_177766 | rcom 29917.m002016 | 1 | -116 | 59 | 91  |
| GaNAC84 | NAC1     | OG5_170224 | osat NP_001053312  | 2 | -82  | 55 | 96  |
| GaNAC85 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -136 | 71 | 93  |
| GaNAC86 | No group | NO_GROUP   | rcom 30131.m007019 | 2 | -69  | 57 | 93  |
| GaNAC87 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -115 | 65 | 98  |
| GaNAC88 | OsNAC7   | OG5_140455 | rcom 30147.m014211 | 1 | -121 | 66 | 98  |
| GaNAC89 | NAP      | OG5_177391 | rcom 29950.m001173 | 1 | -113 | 61 | 95  |
| GaNAC90 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -77  | 53 | 98  |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GaNAC91  | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -77  | 52 | 95  |
| GaNAC92  | ONAC022  | OG5_190119 | rcom 30169.m006343 | 6 | -82  | 55 | 98  |
| GaNAC93  | SENU5    | OG5_212763 | rcom 30128.m009035 | 1 | -116 | 80 | 100 |
| GaNAC94  | No group | OG5_164225 | rcom 29650.m000275 | 2 | -82  | 71 | 100 |
| GaNAC95  | No group | OG5_135169 | osat NP_001060017  | 2 | -47  | 44 | 57  |
| GaNAC96  | No group | OG5_135169 | osat NP_001060017  | 2 | -46  | 43 | 54  |
| GaNAC97  | No group | OG5_213067 | rcom 29813.m001519 | 4 | -41  | 46 | 76  |
| GaNAC98  | ATAF     | NO_GROUP   | rcom 30193.m000709 | 1 | -109 | 68 | 100 |
| GaNAC99  | OsNAC8   | OG5_212233 | rcom 30055.m001612 | 1 | -120 | 62 | 94  |
| GaNAC100 | TERN     | OG5_156371 | atha NP_001118771  | 6 | -71  | 55 | 98  |
| GaNAC101 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -144 | 74 | 99  |
| GaNAC102 | No group | OG5_178154 | rcom 29683.m000467 | 3 | -81  | 78 | 100 |
| GaNAC103 | No group | NO_GROUP   | rcom 29686.m000865 | 4 | -26  | 35 | 62  |
| GaNAC104 | No group | NO_GROUP   | rcom 29686.m000865 | 6 | -26  | 36 | 57  |
| GaNAC105 | No group | NO_GROUP   | rcom 29686.m000865 | 2 | -23  | 36 | 60  |
| GaNAC106 | NAC1     | OG5_170224 | osat NP_001053312  | 2 | -80  | 58 | 96  |
| GaNAC107 | NAP      | OG5_213067 | rcom 29813.m001519 | 1 | -117 | 72 | 100 |
| GaNAC108 | No group | NO_GROUP   | rcom 30131.m007019 | 1 | -53  | 49 | 95  |
| GaNAC109 | No group | NO_GROUP   | rcom 30169.m006458 | 3 | -56  | 58 | 63  |
| GaNAC110 | NAC2     | OG5_160086 | atha NP_974272     | 1 | -121 | 54 | 99  |
| GaNAC111 | No group | OG5_139552 | rcom 28872.m000248 | 1 | -153 | 51 | 99  |
| GaNAC112 | NAC1     | OG5_170224 | osat NP_001053312  | 1 | -82  | 57 | 97  |
| GaNAC113 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 7 | -98  | 61 | 99  |
| GaNAC114 | No group | OG5_164225 | rcom 29650.m000275 | 3 | -94  | 60 | 97  |
| GaNAC115 | ONAC022  | OG5_177548 | rcom 29032.m000021 | 1 | -145 | 65 | 100 |
| GaNAC116 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -160 | 70 | 100 |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GaNAC117 | No group | OG5_178238 | rcom 29797.m000353 | 1 | -104 | 66 | 96  |
| GaNAC118 | NAC2     | OG5_160086 | atha NP_850554     | 1 | -121 | 52 | 99  |
| GaNAC119 | NAP      | OG5_245102 | rcom 30078.m002348 | 1 | -97  | 68 | 88  |
| GaNAC120 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -79  | 52 | 94  |
| GaNAC121 | ATAF     | OG5_135169 | rcom 29648.m002012 | 1 | -127 | 74 | 98  |
| GaNAC122 | TIP      | OG5_190295 | rcom 29764.m000758 | 1 | -103 | 45 | 87  |
| GaNAC123 | ONAC003  | OG5_213021 | rcom 29738.m001046 | 1 | -169 | 67 | 100 |
| GaNAC124 | No group | NO_GROUP   | rcom 29686.m000865 | 2 | -24  | 36 | 54  |
| GaNAC125 | NAM      | OG5_164511 | rcom 29950.m001171 | 1 | -112 | 57 | 100 |
| GaNAC126 | NAP      | OG5_245102 | rcom 30078.m002348 | 1 | -63  | 66 | 54  |
| GaNAC127 | TIP      | OG5_160072 | rcom 30068.m002619 | 1 | -131 | 44 | 98  |
| GaNAC128 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -128 | 65 | 100 |
| GaNAC129 | ONAC003  | OG5_177766 | rcom 29917.m002016 | 1 | -137 | 65 | 94  |
| GaNAC130 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -138 | 73 | 99  |
| GaNAC131 | NAM      | OG5_150285 | rcom 28226.m000851 | 1 | -132 | 73 | 100 |
| GaNAC132 | OsNAC7   | OG5_212126 | rcom 29728.m000815 | 3 | -96  | 56 | 99  |
| GaNAC133 | TERN     | OG5_244818 | rcom 30032.m000479 | 5 | -79  | 59 | 96  |
| GaNAC134 | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -134 | 65 | 100 |
| GaNAC135 | NAP      | OG5_135169 | rcom 29851.m002359 | 1 | -133 | 69 | 99  |
| GaNAC136 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 7 | -81  | 56 | 95  |
| GaNAC137 | ONAC003  | OG5_170647 | rcom 30190.m010767 | 1 | -125 | 73 | 99  |
| GaNAC138 | No group | OG5_167608 | rcom 30076.m004477 | 2 | -29  | 49 | 66  |
| GaNAC139 | NAP      | OG5_135169 | rcom 29851.m002359 | 1 | -124 | 66 | 96  |
| GaNAC140 | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -120 | 61 | 100 |
| GaNAC141 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -171 | 73 | 100 |
| GaNAC142 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -136 | 72 | 100 |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GhNAC1  | NAP      | OG5_245102 | rcom 30111.m000742 | 2 | -64  | 69 | 60  |
| GhNAC2  | OsNAC7   | OG5_140455 | rcom 30147.m014211 | 1 | -123 | 67 | 98  |
| GhNAC3  | TIP      | OG5_160072 | rcom 30068.m002619 | 1 | -131 | 45 | 92  |
| GhNAC4  | SENU5    | OG5_212763 | rcom 30128.m009035 | 1 | -114 | 80 | 100 |
| GhNAC5  | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -103 | 59 | 100 |
| GhNAC6  | TIP      | OG5_190295 | rcom 29764.m000758 | 2 | -91  | 55 | 62  |
| GhNAC7  | No group | OG5_178238 | rcom 29797.m000353 | 1 | -104 | 66 | 95  |
| GhNAC8  | ANAC011  | OG5_139552 | rcom 30172.m000206 | 1 | -115 | 75 | 100 |
| GhNAC9  | No group | NO_GROUP   | rcom 30170.m013849 | 6 | -64  | 60 | 73  |
| GhNAC10 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 8 | -78  | 90 | 95  |
| GhNAC11 | No group | NO_GROUP   | rcom 30147.m014441 | 1 | -54  | 69 | 90  |
| GhNAC12 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -129 | 65 | 100 |
| GhNAC13 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -102 | 62 | 98  |
| GhNAC14 | OsNAC7   | OG5_212584 | rcom 29382.m000084 | 1 | -131 | 65 | 95  |
| GhNAC15 | ANAC011  | OG5_139552 | rcom 29770.m000336 | 1 | -122 | 65 | 100 |
| GhNAC16 | OsNAC7   | OG5_160167 | rcom 29725.m000235 | 1 | -132 | 72 | 100 |
| GhNAC17 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -76  | 52 | 98  |
| GhNAC18 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 4 | -77  | 51 | 95  |
| GhNAC19 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 4 | -82  | 55 | 98  |
| GhNAC20 | NAP      | OG5_177391 | rcom 29950.m001173 | 1 | -114 | 62 | 95  |
| GhNAC21 | No group | OG5_167608 | rcom 30076.m004487 | 3 | -32  | 40 | 50  |
| GhNAC22 | No group | OG5_156359 | atha NP_001154700  | 1 | -77  | 50 | 86  |
| GhNAC23 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -107 | 56 | 100 |
| GhNAC24 | ONAC022  | OG5_190119 | osat NP_001051438  | 1 | -60  | 73 | 76  |
| GhNAC25 | No group | OG5_160025 | atha NP_564440     | 1 | -121 | 43 | 98  |
| GhNAC26 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -140 | 72 | 100 |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GhNAC27 | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -122 | 69 | 100 |
| GhNAC28 | No group | OG5_160025 | atha NP_564440     | 1 | -114 | 45 | 89  |
| GhNAC29 | No group | OG5_160025 | atha NP_564440     | 9 | -98  | 52 | 97  |
| GhNAC30 | NAC2     | OG5_160086 | atha NP_001154602  | 1 | -112 | 45 | 99  |
| GhNAC31 | No group | OG5_178238 | rcom 29797.m000353 | 6 | -83  | 62 | 97  |
| GhNAC32 | No group | OG5_213067 | rcom 29813.m001519 | 2 | -38  | 44 | 68  |
| GhNAC33 | ANAC011  | OG5_139552 | rcom 30172.m000206 | 1 | -109 | 78 | 99  |
| GhNAC34 | ANAC011  | OG5_139552 | rcom 30171.m000407 | 0 | -181 | 53 | 100 |
| GhNAC35 | No group | OG5_156359 | atha NP_001154700  | 9 | -78  | 49 | 86  |
| GhNAC36 | ONAC003  | OG5_177766 | rcom 29917.m002016 | 1 | -99  | 65 | 83  |
| GhNAC37 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -107 | 55 | 100 |
| GhNAC38 | NAC1     | OG5_170224 | osat NP_001053312  | 4 | -82  | 55 | 96  |
| GhNAC39 | TERN     | OG5_244818 | rcom 30032.m000479 | 1 | -74  | 64 | 94  |
| GhNAC40 | No group | OG5_178154 | rcom 29683.m000467 | 2 | -71  | 71 | 98  |
| GhNAC41 | OsNAC8   | OG5_212233 | rcom 30055.m001612 | 1 | -119 | 60 | 91  |
| GhNAC42 | ONAC003  | OG5_170647 | rcom 29983.m003125 | 1 | -146 | 87 | 100 |
| GhNAC43 | No group | OG5_178154 | rcom 29683.m000467 | 2 | -56  | 72 | 98  |
| GhNAC44 | NAP      | OG5_213067 | rcom 29813.m001519 | 1 | -114 | 70 | 98  |
| GhNAC45 | ONAC003  | OG5_177766 | rcom 29917.m002016 | 1 | -135 | 63 | 94  |
| GhNAC46 | No group | NO_GROUP   | rcom 30169.m006458 | 3 | -61  | 58 | 55  |
| GhNAC47 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 4 | -81  | 55 | 98  |
| GhNAC48 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -78  | 54 | 95  |
| GhNAC49 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -76  | 53 | 98  |
| GhNAC50 | OsNAC7   | OG5_160167 | rcom 29725.m000235 | 1 | -137 | 73 | 100 |
| GhNAC51 | ANAC011  | OG5_139552 | rcom 29770.m000336 | 1 | -122 | 65 | 100 |
| GhNAC52 | TIP      | OG5_160072 | rcom 30068.m002619 | 1 | -121 | 46 | 83  |

|         |          |            |                    |   |      |    |     |
|---------|----------|------------|--------------------|---|------|----|-----|
| GhNAC53 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -150 | 67 | 100 |
| GhNAC54 | No group | NO_GROUP   | rcom 30131.m007019 | 2 | -72  | 54 | 98  |
| GhNAC55 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -139 | 67 | 100 |
| GhNAC56 | NAP      | OG5_213067 | rcom 29813.m001519 | 1 | -115 | 70 | 98  |
| GhNAC57 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -128 | 71 | 96  |
| GhNAC58 | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -122 | 69 | 100 |
| GhNAC59 | No group | OG5_213067 | rcom 29813.m001519 | 2 | -39  | 45 | 82  |
| GhNAC60 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -110 | 70 | 100 |
| GhNAC61 | ANAC011  | OG5_139552 | rcom 30172.m000206 | 3 | -78  | 92 | 97  |
| GhNAC62 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -141 | 64 | 98  |
| GhNAC63 | No group | NO_GROUP   | rcom 30169.m006458 | 2 | -62  | 57 | 56  |
| GhNAC64 | NAP      | OG5_245102 | rcom 30078.m002348 | 1 | -63  | 66 | 54  |
| GhNAC65 | NAM      | OG5_164511 | rcom 29950.m001171 | 1 | -121 | 62 | 100 |
| GhNAC66 | NAP      | OG5_177391 | rcom 29950.m001173 | 1 | -133 | 69 | 99  |
| GhNAC67 | NAC1     | OG5_170224 | osat NP_001053312  | 4 | -83  | 57 | 97  |
| GhNAC68 | SENU5    | OG5_212763 | rcom 30128.m009035 | 1 | -117 | 81 | 100 |
| GhNAC69 | ANAC011  | OG5_139552 | rcom 30171.m000407 | 1 | -172 | 55 | 91  |
| GhNAC70 | ONAC003  | OG5_213021 | rcom 29738.m001046 | 1 | -170 | 67 | 95  |
| GhNAC71 | NAP      | OG5_135169 | rcom 29851.m002359 | 1 | -131 | 69 | 99  |
| GhNAC72 | OsNAC7   | OG5_140455 | rcom 30147.m014211 | 1 | -141 | 70 | 100 |
| GhNAC73 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -141 | 64 | 95  |
| GhNAC74 | TIP      | OG5_190295 | rcom 29764.m000758 | 1 | -102 | 44 | 88  |
| GhNAC75 | No group | OG5_167608 | rcom 30076.m004476 | 4 | -30  | 39 | 75  |
| GhNAC76 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -142 | 71 | 100 |
| GhNAC77 | TERN     | OG5_244818 | rcom 30032.m000479 | 2 | -67  | 58 | 70  |
| GhNAC78 | NAC1     | OG5_170224 | osat NP_001053312  | 6 | -83  | 57 | 97  |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GhNAC79  | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 4 | -77  | 89 | 98  |
| GhNAC80  | No group | OG5_139552 | atha NP_188400     | 3 | -31  | 50 | 52  |
| GhNAC81  | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -140 | 74 | 99  |
| GhNAC82  | No group | NO_GROUP   | rcom 30169.m006458 | 3 | -56  | 56 | 66  |
| GhNAC83  | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 2 | -77  | 89 | 98  |
| GhNAC84  | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -158 | 69 | 100 |
| GhNAC85  | ATAF     | NO_GROUP   | rcom 30193.m000709 | 8 | -88  | 53 | 99  |
| GhNAC86  | No group | OG5_178238 | rcom 29797.m000353 | 1 | -104 | 65 | 100 |
| GhNAC87  | OsNAC7   | OG5_140455 | rcom 28200.m000189 | 1 | -163 | 77 | 100 |
| GhNAC88  | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -140 | 72 | 100 |
| GhNAC89  | NAM      | OG5_150285 | rcom 27950.m000105 | 1 | -123 | 70 | 100 |
| GhNAC90  | No group | OG5_178154 | rcom 29683.m000467 | 7 | -49  | 51 | 95  |
| GhNAC91  | AtNAC3   | OG5_135169 | rcom 28219.m000090 | 1 | -132 | 70 | 100 |
| GhNAC92  | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -154 | 77 | 100 |
| GhNAC93  | OsNAC7   | OG5_160167 | rcom 29725.m000235 | 8 | -75  | 67 | 100 |
| GhNAC94  | No group | OG5_189953 | rcom 30170.m014236 | 1 | -125 | 65 | 97  |
| GhNAC95  | NAP      | OG5_177391 | rcom 29950.m001173 | 1 | -112 | 61 | 95  |
| GhNAC96  | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -170 | 74 | 100 |
| GhNAC97  | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -135 | 65 | 100 |
| GhNAC98  | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -137 | 65 | 100 |
| GhNAC99  | No group | OG5_213067 | rcom 29813.m001519 | 7 | -38  | 44 | 68  |
| GhNAC100 | No group | NO_GROUP   | rcom 30170.m013849 | 5 | -75  | 57 | 97  |
| GhNAC101 | NAP      | OG5_245102 | rcom 30078.m002348 | 1 | -63  | 64 | 56  |
| GhNAC102 | No group | OG5_189953 | rcom 30170.m014236 | 1 | -137 | 64 | 100 |
| GhNAC103 | ATAF     | OG5_135169 | rcom 29648.m002012 | 1 | -141 | 79 | 99  |
| GhNAC104 | No group | NO_GROUP   | rcom 30131.m007019 | 1 | -71  | 55 | 93  |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GhNAC105 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -102 | 59 | 100 |
| GhNAC106 | OsNAC7   | OG5_140455 | rcom 28200.m000189 | 1 | -172 | 82 | 100 |
| GhNAC107 | No group | OG5_213067 | rcom 29813.m001519 | 2 | -43  | 50 | 90  |
| GhNAC108 | No group | NO_GROUP   | rcom 30169.m006458 | 3 | -46  | 50 | 65  |
| GhNAC109 | No group | OG5_213067 | rcom 29813.m001519 | 6 | -46  | 49 | 62  |
| GhNAC110 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -115 | 65 | 97  |
| GhNAC111 | No group | OG5_178154 | rcom 29683.m000467 | 1 | -56  | 72 | 95  |
| GhNAC112 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 2 | -89  | 54 | 100 |
| GhNAC113 | OsNAC8   | OG5_212233 | rcom 30055.m001612 | 1 | -123 | 63 | 93  |
| GhNAC114 | TERN     | OG5_156371 | atha NP_001118771  | 1 | -69  | 54 | 98  |
| GhNAC115 | ATAF     | OG5_135169 | rcom 29648.m002012 | 1 | -128 | 75 | 98  |
| GhNAC116 | ANAC011  | OG5_190411 | rcom 29827.m002555 | 1 | -130 | 72 | 96  |
| GhNAC117 | No group | NO_GROUP   | rcom 30131.m007019 | 4 | -53  | 48 | 95  |
| GhNAC118 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 3 | -77  | 88 | 97  |
| GhNAC119 | No group | OG5_178238 | rcom 29797.m000353 | 1 | -97  | 63 | 97  |
| GhNAC120 | TERN     | OG5_156371 | atha NP_001118771  | 1 | -70  | 56 | 99  |
| GhNAC121 | OsNAC8   | OG5_212233 | rcom 30055.m001612 | 1 | -123 | 62 | 93  |
| GhNAC122 | No group | NO_GROUP   | rcom 29830.m001415 | 1 | -66  | 69 | 92  |
| GhNAC123 | No group | OG5_167608 | rcom 30076.m004477 | 3 | -29  | 37 | 86  |
| GhNAC124 | No group | OG5_167608 | rcom 30076.m004477 | 1 | -37  | 44 | 84  |
| GhNAC125 | TIP      | OG5_190295 | rcom 29764.m000758 | 1 | -102 | 44 | 87  |
| GhNAC126 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 6 | -78  | 51 | 94  |
| GhNAC127 | OsNAC8   | OG5_212233 | rcom 30055.m001612 | 1 | -119 | 60 | 91  |
| GhNAC128 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -136 | 70 | 91  |
| GhNAC129 | No group | OG5_177391 | atha NP_001118568  | 9 | -22  | 34 | 87  |
| GhNAC130 | No group | NO_GROUP   | rcom 30131.m007019 | 2 | -69  | 56 | 93  |

|          |          |            |                     |   |      |    |     |
|----------|----------|------------|---------------------|---|------|----|-----|
| GhNAC131 | NAP      | OG5_245102 | rcom 30078.m002348  | 1 | -102 | 70 | 87  |
| GhNAC132 | NAM      | OG5_190207 | rcom 29974.m000235  | 1 | -115 | 71 | 100 |
| GhNAC133 | No group | OG5_178154 | rcom 29683.m000467  | 2 | -48  | 48 | 97  |
| GhNAC134 | ONAC022  | OG5_190119 | rcom 30169.m006343  | 1 | -89  | 57 | 95  |
| GhNAC135 | ONAC022  | OG5_177548 | rcom 29813.m001479  | 1 | -125 | 62 | 100 |
| GhNAC136 | OsNAC7   | OG5_140455 | rcom 28200.m000189  | 1 | -164 | 80 | 100 |
| GhNAC137 | TERN     | OG5_244818 | rcom 30032.m000479  | 3 | -60  | 50 | 96  |
| GhNAC138 | OsNAC7   | OG5_170479 | rcom 27964.m000369  | 1 | -143 | 73 | 99  |
| GhNAC139 | ATAF     | OG5_135169 | rcom 29648.m002012  | 1 | -141 | 78 | 99  |
| GhNAC140 | TERN     | OG5_156371 | atha NP_001118771   | 8 | -77  | 56 | 99  |
| GhNAC141 | NAM      | OG5_164656 | rcom 30138.m004055  | 1 | -160 | 74 | 100 |
| GhNAC142 | ONAC022  | OG5_190119 | rcom 30169.m006343  | 2 | -80  | 55 | 97  |
| GhNAC143 | NAM      | OG5_150285 | rcom 28226.m000851  | 1 | -128 | 68 | 100 |
| GhNAC144 | No group | OG5_189953 | rcom 30170.m014236  | 1 | -136 | 64 | 100 |
| GhNAC145 | NAP      | OG5_213067 | rcom 29813.m001519  | 1 | -113 | 73 | 96  |
| GhNAC146 | NAC1     | OG5_170224 | osat NP_001053312   | 1 | -80  | 57 | 96  |
| GhNAC147 | TIP      | OG5_190295 | rcom 29764.m000758  | 1 | -101 | 44 | 87  |
| GhNAC148 | NAC2     | OG5_160086 | atha NP_850554      | 1 | -123 | 53 | 100 |
| GhNAC149 | NAM      | OG5_164511 | rcom 29950.m001171  | 1 | -109 | 56 | 100 |
| GhNAC150 | ANAC011  | OG5_139552 | rcom 30171.m000407  | 1 | -178 | 52 | 100 |
| GhNAC151 | No group | OG5_135169 | ppat e_gw1.140.53.1 | 2 | -28  | 39 | 86  |
| GhNAC152 | SENU5    | OG5_212763 | rcom 30128.m009035  | 1 | -114 | 79 | 100 |
| GhNAC153 | SENU5    | OG5_212763 | rcom 30128.m009035  | 1 | -112 | 79 | 100 |
| GhNAC154 | NAM      | OG5_190207 | rcom 29974.m000235  | 1 | -114 | 70 | 100 |
| GhNAC155 | No group | OG5_178238 | rcom 29797.m000353  | 1 | -105 | 67 | 96  |
| GhNAC156 | ONAC003  | OG5_190453 | rcom 29912.m005354  | 1 | -179 | 73 | 96  |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GhNAC157 | No group | OG5_178238 | rcom 29797.m000353 | 1 | -103 | 66 | 95  |
| GhNAC158 | No group | NO_GROUP   | rcom 30131.m007019 | 1 | -54  | 49 | 95  |
| GhNAC159 | ONAC003  | OG5_170647 | rcom 29983.m003125 | 1 | -144 | 85 | 100 |
| GhNAC160 | NAP      | OG5_135169 | rcom 27961.m000091 | 1 | -144 | 72 | 100 |
| GhNAC161 | NAC2     | OG5_160086 | atha NP_566374     | 1 | -121 | 54 | 99  |
| GhNAC162 | NAM      | OG5_164511 | rcom 29950.m001171 | 1 | -111 | 57 | 100 |
| GhNAC163 | No group | NO_GROUP   | rcom 29830.m001415 | 6 | -68  | 69 | 93  |
| GhNAC164 | NAM      | OG5_164511 | rcom 29950.m001171 | 1 | -123 | 62 | 100 |
| GhNAC165 | NAP      | OG5_177391 | rcom 29950.m001173 | 1 | -131 | 69 | 100 |
| GhNAC166 | No group | OG5_189953 | rcom 30170.m014236 | 1 | -124 | 65 | 93  |
| GhNAC167 | ATAF     | NO_GROUP   | rcom 30193.m000709 | 1 | -109 | 68 | 100 |
| GhNAC168 | NAM      | OG5_150285 | rcom 28226.m000851 | 1 | -132 | 73 | 100 |
| GhNAC169 | No group | NO_GROUP   | rcom 30147.m014441 | 1 | -54  | 69 | 90  |
| GhNAC170 | No group | NO_GROUP   | rcom 30131.m007019 | 2 | -69  | 56 | 93  |
| GhNAC171 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -76  | 87 | 98  |
| GhNAC172 | ONAC022  | OG5_190119 | rcom 30169.m006343 | 7 | -81  | 56 | 95  |
| GhNAC173 | No group | OG5_139552 | rcom 28872.m000248 | 1 | -146 | 48 | 99  |
| GhNAC174 | NAC2     | OG5_160086 | atha NP_974272     | 1 | -118 | 53 | 99  |
| GhNAC175 | ONAC003  | OG5_213021 | rcom 29738.m001046 | 1 | -169 | 67 | 99  |
| GhNAC176 | ONAC022  | OG5_177548 | rcom 29032.m000021 | 1 | -143 | 65 | 100 |
| GhNAC177 | No group | OG5_178238 | rcom 29797.m000353 | 1 | -97  | 63 | 97  |
| GhNAC178 | No group | OG5_177627 | rcom 29168.m000389 | 2 | -82  | 49 | 61  |
| GhNAC179 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -144 | 74 | 99  |
| GhNAC180 | TERN     | OG5_156371 | rcom 30055.m001588 | 1 | -78  | 62 | 98  |
| GhNAC181 | NAC1     | OG5_170224 | osat NP_001053312  | 2 | -80  | 58 | 96  |
| GhNAC182 | ONAC022  | OG5_177548 | rcom 29032.m000021 | 1 | -143 | 66 | 100 |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GhNAC183 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -139 | 67 | 100 |
| GhNAC184 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -153 | 68 | 100 |
| GhNAC185 | ONAC003  | OG5_170647 | rcom 30190.m010767 | 1 | -130 | 71 | 100 |
| GhNAC186 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -138 | 73 | 99  |
| GhNAC187 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -159 | 70 | 100 |
| GhNAC188 | No group | OG5_139552 | rcom 28872.m000248 | 1 | -133 | 46 | 99  |
| GhNAC189 | ATAF     | OG5_135169 | rcom 29648.m002012 | 1 | -126 | 73 | 98  |
| GhNAC190 | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -125 | 61 | 100 |
| GhNAC191 | ONAC003  | OG5_170647 | rcom 30190.m010767 | 1 | -124 | 72 | 99  |
| GhNAC192 | No group | OG5_160072 | atha NP_567986     | 2 | -38  | 29 | 82  |
| GhNAC193 | OsNAC7   | OG5_140455 | rcom 30147.m014211 | 1 | -120 | 66 | 98  |
| GhNAC194 | OsNAC7   | OG5_170428 | rcom 28623.m000400 | 1 | -129 | 70 | 100 |
| GhNAC195 | NAP      | OG5_135169 | rcom 29851.m002359 | 1 | -124 | 66 | 100 |
| GhNAC196 | TERN     | OG5_244818 | rcom 30032.m000479 | 1 | -79  | 60 | 96  |
| GhNAC197 | ONAC022  | OG5_190119 | osat NP_001051438  | 1 | -47  | 59 | 55  |
| GhNAC198 | ONAC003  | OG5_170647 | rcom 30190.m010767 | 1 | -124 | 72 | 99  |
| GhNAC199 | NAP      | OG5_135169 | rcom 29851.m002359 | 1 | -125 | 67 | 100 |
| GhNAC200 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -138 | 72 | 96  |
| GhNAC201 | TIP      | OG5_160072 | rcom 30068.m002619 | 1 | -131 | 44 | 98  |
| GhNAC202 | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -136 | 65 | 100 |
| GhNAC203 | NAP      | OG5_213067 | rcom 29813.m001519 | 1 | -118 | 72 | 100 |
| GhNAC204 | NAM      | OG5_164656 | rcom 30138.m004055 | 1 | -158 | 73 | 100 |
| GhNAC205 | OsNAC7   | OG5_212126 | rcom 29728.m000815 | 2 | -96  | 56 | 99  |
| GhNAC206 | ONAC022  | OG5_177548 | rcom 29813.m001479 | 1 | -125 | 61 | 100 |
| GhNAC207 | No group | OG5_160025 | atha NP_564440     | 1 | -120 | 44 | 98  |
| GhNAC208 | OsNAC7   | OG5_170479 | rcom 27964.m000369 | 1 | -147 | 77 | 99  |

|          |          |            |                    |   |      |    |     |
|----------|----------|------------|--------------------|---|------|----|-----|
| GhNAC209 | No group | OG5_164698 | rcom 30063.m001417 | 1 | -136 | 70 | 92  |
| GhNAC210 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -150 | 67 | 100 |
| GhNAC211 | OsNAC7   | OG5_170479 | rcom 30068.m002591 | 1 | -170 | 73 | 100 |

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**TABLE S4** The structural analysis of GrNAC, GaNAC and GhNAC identified in this study.

| Name    | Extron number | Intron number | Protein length (aa) | Molecular weight | Theoretical pI | $\alpha$ -helix | Extended strand | $\beta$ -turn | Random coil |
|---------|---------------|---------------|---------------------|------------------|----------------|-----------------|-----------------|---------------|-------------|
| GrNAC1  | 3             | 2             | 299                 | 33896.23         | 6.10           | 48              | 51              | 19            | 181         |
| GrNAC2  | 6             | 5             | 435                 | 49270.34         | 4.82           | 113             | 82              | 38            | 202         |
| GrNAC3  | 3             | 2             | 300                 | 33773.98         | 8.10           | 55              | 62              | 28            | 155         |
| GrNAC4  | 3             | 2             | 334                 | 38433.15         | 8.67           | 74              | 63              | 31            | 166         |
| GrNAC5  | 3             | 2             | 386                 | 43363.87         | 7.55           | 85              | 57              | 35            | 209         |
| GrNAC6  | 3             | 2             | 255                 | 29069.11         | 9.41           | 56              | 49              | 22            | 128         |
| GrNAC7  | 2             | 1             | 271                 | 30619.28         | 4.96           | 88              | 46              | 20            | 117         |
| GrNAC8  | 3             | 2             | 359                 | 39577.22         | 7.72           | 75              | 81              | 31            | 172         |
| GrNAC9  | 3             | 2             | 405                 | 46062.24         | 5.62           | 99              | 77              | 39            | 190         |
| GrNAC10 | 3             | 2             | 346                 | 38429.11         | 9.00           | 66              | 81              | 24            | 175         |
| GrNAC11 | 3             | 2             | 335                 | 37069.62         | 8.32           | 57              | 70              | 20            | 188         |
| GrNAC12 | 6             | 5             | 450                 | 51543.90         | 5.90           | 134             | 99              | 53            | 164         |
| GrNAC13 | 3             | 2             | 358                 | 40651.09         | 7.69           | 55              | 97              | 24            | 182         |
| GrNAC14 | 3             | 2             | 201                 | 22945.42         | 8.62           | 52              | 37              | 15            | 97          |
| GrNAC15 | 2             | 1             | 201                 | 23406.44         | 5.07           | 47              | 49              | 19            | 86          |
| GrNAC16 | 3             | 2             | 358                 | 40537.64         | 8.79           | 81              | 63              | 22            | 192         |
| GrNAC17 | 3             | 2             | 257                 | 29845.33         | 5.31           | 62              | 64              | 24            | 107         |
| GrNAC18 | 2             | 1             | 183                 | 21455.65         | 8.85           | 25              | 57              | 20            | 81          |
| GrNAC19 | 3             | 2             | 389                 | 43877.79         | 7.02           | 81              | 84              | 27            | 197         |
| GrNAC20 | 6             | 5             | 607                 | 69181.85         | 5.25           | 167             | 121             | 34            | 285         |
| GrNAC21 | 4             | 3             | 443                 | 49577.76         | 6.30           | 144             | 53              | 37            | 209         |
| GrNAC22 | 3             | 2             | 419                 | 47739.32         | 6.85           | 97              | 70              | 22            | 230         |
| GrNAC23 | 4             | 3             | 281                 | 32536.67         | 8.28           | 57              | 62              | 20            | 142         |
| GrNAC24 | 2             | 1             | 335                 | 39102.88         | 6.43           | 114             | 55              | 25            | 141         |

|         |   |   |     |          |      |     |     |    |     |
|---------|---|---|-----|----------|------|-----|-----|----|-----|
| GrNAC25 | 3 | 2 | 279 | 32440.95 | 7.69 | 97  | 50  | 10 | 122 |
| GrNAC26 | 4 | 3 | 449 | 49852.03 | 5.65 | 155 | 57  | 38 | 199 |
| GrNAC27 | 3 | 2 | 357 | 41577.26 | 6.15 | 122 | 62  | 19 | 154 |
| GrNAC28 | 3 | 2 | 366 | 42408.28 | 6.52 | 123 | 57  | 19 | 167 |
| GrNAC29 | 4 | 3 | 327 | 37368.53 | 5.54 | 49  | 83  | 18 | 177 |
| GrNAC30 | 3 | 2 | 321 | 37013.74 | 6.76 | 63  | 51  | 27 | 180 |
| GrNAC31 | 3 | 2 | 327 | 38075.39 | 5.38 | 118 | 52  | 20 | 137 |
| GrNAC32 | 2 | 1 | 155 | 17709.55 | 9.51 | 22  | 39  | 18 | 76  |
| GrNAC33 | 3 | 2 | 226 | 26260.68 | 7.01 | 75  | 38  | 17 | 96  |
| GrNAC34 | 7 | 6 | 397 | 44986.01 | 5.25 | 84  | 90  | 33 | 190 |
| GrNAC35 | 2 | 1 | 177 | 20557.48 | 9.41 | 32  | 50  | 15 | 80  |
| GrNAC36 | 6 | 5 | 635 | 70808.10 | 5.01 | 173 | 118 | 54 | 290 |
| GrNAC37 | 5 | 4 | 541 | 60544.78 | 4.91 | 151 | 118 | 36 | 236 |
| GrNAC38 | 3 | 2 | 357 | 39531.29 | 7.71 | 78  | 74  | 32 | 173 |
| GrNAC39 | 5 | 4 | 397 | 45147.69 | 4.68 | 96  | 88  | 36 | 177 |
| GrNAC40 | 3 | 2 | 254 | 29340.96 | 6.11 | 79  | 51  | 25 | 99  |
| GrNAC41 | 3 | 2 | 254 | 28879.76 | 9.23 | 58  | 56  | 13 | 127 |
| GrNAC42 | 4 | 3 | 322 | 37027.44 | 4.94 | 103 | 42  | 19 | 158 |
| GrNAC43 | 3 | 2 | 344 | 39060.69 | 7.33 | 86  | 46  | 26 | 186 |
| GrNAC44 | 3 | 2 | 285 | 32326.17 | 5.57 | 65  | 58  | 29 | 133 |
| GrNAC45 | 3 | 2 | 288 | 32859.70 | 5.80 | 70  | 54  | 23 | 141 |
| GrNAC46 | 3 | 2 | 289 | 33220.07 | 5.81 | 73  | 63  | 24 | 129 |
| GrNAC47 | 3 | 2 | 406 | 46322.59 | 5.86 | 67  | 97  | 40 | 202 |
| GrNAC48 | 3 | 2 | 228 | 25888.05 | 6.10 | 75  | 32  | 15 | 106 |
| GrNAC49 | 4 | 3 | 371 | 41637.21 | 8.54 | 98  | 83  | 37 | 153 |
| GrNAC50 | 3 | 2 | 383 | 43560.52 | 6.14 | 93  | 85  | 34 | 171 |

|         |    |    |     |          |      |     |     |    |     |
|---------|----|----|-----|----------|------|-----|-----|----|-----|
| GrNAC51 | 9  | 8  | 859 | 94097.41 | 4.86 | 211 | 149 | 60 | 439 |
| GrNAC52 | 3  | 2  | 388 | 44086.39 | 6.67 | 81  | 84  | 40 | 183 |
| GrNAC53 | 5  | 4  | 525 | 58544.30 | 5.78 | 142 | 106 | 45 | 232 |
| GrNAC54 | 1  | 0  | 256 | 28955.24 | 5.61 | 81  | 60  | 25 | 90  |
| GrNAC55 | 3  | 2  | 576 | 63139.19 | 4.91 | 117 | 140 | 72 | 247 |
| GrNAC56 | 3  | 2  | 279 | 32349.10 | 8.89 | 98  | 47  | 12 | 122 |
| GrNAC57 | 3  | 2  | 281 | 32687.37 | 8.59 | 85  | 49  | 8  | 139 |
| GrNAC58 | 4  | 3  | 317 | 36080.31 | 5.21 | 92  | 39  | 15 | 171 |
| GrNAC59 | 3  | 2  | 344 | 38484.08 | 6.76 | 67  | 71  | 17 | 189 |
| GrNAC60 | 3  | 2  | 342 | 38353.29 | 8.85 | 85  | 74  | 31 | 152 |
| GrNAC61 | 3  | 2  | 302 | 35068.26 | 5.76 | 64  | 69  | 21 | 148 |
| GrNAC62 | 3  | 2  | 204 | 23728.96 | 5.36 | 64  | 42  | 26 | 72  |
| GrNAC63 | 4  | 3  | 643 | 49018.97 | 8.02 | 207 | 107 | 54 | 275 |
| GrNAC64 | 5  | 4  | 643 | 72404.10 | 5.05 | 207 | 107 | 54 | 275 |
| GrNAC65 | 4  | 3  | 467 | 53677.29 | 5.68 | 95  | 96  | 46 | 230 |
| GrNAC66 | 3  | 2  | 321 | 36507.11 | 8.49 | 67  | 77  | 27 | 150 |
| GrNAC67 | 3  | 2  | 368 | 42599.72 | 5.47 | 79  | 44  | 37 | 208 |
| GrNAC68 | 11 | 10 | 573 | 65618.03 | 6.53 | 162 | 86  | 49 | 276 |
| GrNAC69 | 3  | 2  | 373 | 42466.94 | 5.08 | 83  | 75  | 43 | 172 |
| GrNAC70 | 3  | 2  | 355 | 40618.80 | 5.21 | 74  | 77  | 40 | 164 |
| GrNAC71 | 3  | 2  | 233 | 27292.81 | 8.31 | 55  | 52  | 23 | 103 |
| GrNAC72 | 3  | 2  | 294 | 34068.11 | 6.11 | 56  | 69  | 26 | 143 |
| GrNAC73 | 5  | 4  | 562 | 62549.69 | 5.42 | 177 | 117 | 49 | 219 |
| GrNAC74 | 3  | 2  | 256 | 29592.98 | 4.91 | 55  | 51  | 27 | 123 |
| GrNAC75 | 6  | 5  | 424 | 47788.04 | 4.70 | 99  | 94  | 22 | 209 |
| GrNAC76 | 6  | 5  | 359 | 40305.81 | 4.74 | 54  | 98  | 28 | 179 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GrNAC77  | 4 | 3 | 219 | 25228.65 | 8.22 | 37  | 54  | 26 | 102 |
| GrNAC78  | 6 | 5 | 375 | 42996.98 | 4.92 | 90  | 83  | 32 | 170 |
| GrNAC79  | 8 | 7 | 482 | 55123.98 | 4.35 | 129 | 93  | 32 | 228 |
| GrNAC80  | 4 | 3 | 651 | 73602.67 | 4.84 | 228 | 105 | 35 | 283 |
| GrNAC81  | 3 | 2 | 327 | 36980.51 | 5.47 | 92  | 55  | 26 | 154 |
| GrNAC82  | 3 | 2 | 312 | 36471.81 | 6.19 | 94  | 71  | 18 | 129 |
| GrNAC83  | 3 | 2 | 350 | 40710.44 | 6.36 | 117 | 66  | 30 | 137 |
| GrNAC84  | 4 | 3 | 326 | 37200.40 | 5.67 | 36  | 77  | 22 | 191 |
| GrNAC85  | 3 | 2 | 260 | 30580.24 | 4.94 | 69  | 49  | 21 | 121 |
| GrNAC86  | 6 | 5 | 591 | 66330.23 | 4.75 | 157 | 116 | 40 | 278 |
| GrNAC87  | 4 | 3 | 450 | 50281.27 | 5.76 | 150 | 53  | 33 | 214 |
| GrNAC88  | 3 | 2 | 340 | 39095.80 | 6.03 | 74  | 65  | 18 | 183 |
| GrNAC89  | 3 | 2 | 279 | 32171.24 | 5.77 | 88  | 64  | 29 | 98  |
| GrNAC90  | 3 | 2 | 215 | 24594.50 | 6.23 | 45  | 44  | 9  | 117 |
| GrNAC91  | 3 | 2 | 349 | 39816.46 | 5.96 | 95  | 57  | 29 | 168 |
| GrNAC92  | 7 | 6 | 558 | 63434.81 | 5.53 | 177 | 113 | 48 | 220 |
| GrNAC93  | 3 | 2 | 349 | 38900.07 | 5.73 | 121 | 50  | 32 | 146 |
| GrNAC94  | 3 | 2 | 195 | 22444.95 | 4.96 | 46  | 26  | 16 | 107 |
| GrNAC95  | 3 | 2 | 202 | 23198.73 | 5.53 | 49  | 40  | 21 | 92  |
| GrNAC96  | 1 | 0 | 239 | 26905.38 | 5.99 | 43  | 59  | 27 | 110 |
| GrNAC97  | 3 | 2 | 268 | 30969.66 | 5.81 | 71  | 60  | 26 | 111 |
| GrNAC98  | 5 | 4 | 440 | 50432.71 | 4.58 | 124 | 89  | 49 | 178 |
| GrNAC99  | 3 | 2 | 393 | 44314.22 | 6.05 | 83  | 78  | 33 | 199 |
| GrNAC100 | 3 | 2 | 263 | 29703.82 | 5.44 | 81  | 50  | 18 | 114 |
| GrNAC101 | 2 | 1 | 138 | 16089.78 | 9.64 | 26  | 39  | 17 | 56  |
| GrNAC102 | 4 | 3 | 410 | 45820.59 | 8.76 | 127 | 68  | 29 | 186 |

|          |   |   |      |           |      |     |     |    |     |
|----------|---|---|------|-----------|------|-----|-----|----|-----|
| GrNAC103 | 3 | 2 | 310  | 36572.03  | 6.43 | 104 | 55  | 17 | 134 |
| GrNAC104 | 3 | 2 | 404  | 45898.28  | 6.63 | 115 | 71  | 35 | 183 |
| GrNAC105 | 3 | 2 | 318  | 36123.06  | 8.05 | 69  | 80  | 24 | 145 |
| GrNAC106 | 8 | 7 | 1190 | 132488.52 | 8.31 | 326 | 210 | 91 | 563 |
| GrNAC107 | 1 | 0 | 347  | 38362.15  | 4.74 | 84  | 55  | 39 | 169 |
| GrNAC108 | 3 | 2 | 310  | 35816.99  | 5.03 | 119 | 51  | 23 | 117 |
| GrNAC109 | 2 | 1 | 157  | 18128.01  | 9.60 | 47  | 24  | 13 | 73  |
| GrNAC110 | 3 | 2 | 331  | 37447.50  | 7.62 | 65  | 79  | 27 | 160 |
| GrNAC111 | 3 | 2 | 276  | 31551.30  | 5.92 | 50  | 52  | 23 | 151 |
| GrNAC112 | 3 | 2 | 380  | 42415.17  | 8.35 | 73  | 61  | 27 | 219 |
| GrNAC113 | 3 | 2 | 321  | 36026.69  | 9.20 | 64  | 79  | 36 | 142 |
| GrNAC114 | 3 | 2 | 340  | 37985.76  | 9.36 | 71  | 64  | 26 | 179 |
| GrNAC115 | 3 | 2 | 395  | 43922.54  | 5.97 | 118 | 77  | 23 | 177 |
| GrNAC116 | 5 | 4 | 360  | 39624.93  | 4.76 | 93  | 72  | 41 | 154 |
| GrNAC117 | 3 | 2 | 323  | 37177.67  | 5.11 | 104 | 68  | 23 | 128 |
| GrNAC118 | 6 | 5 | 658  | 74559.97  | 5.54 | 216 | 118 | 55 | 269 |
| GrNAC119 | 3 | 2 | 288  | 32683.88  | 9.12 | 56  | 83  | 41 | 119 |
| GrNAC120 | 3 | 2 | 245  | 27879.00  | 9.57 | 49  | 53  | 19 | 124 |
| GrNAC121 | 3 | 2 | 257  | 29221.60  | 6.26 | 77  | 42  | 21 | 117 |
| GrNAC122 | 3 | 2 | 377  | 42972.71  | 6.28 | 98  | 67  | 42 | 170 |
| GrNAC123 | 6 | 5 | 378  | 43067.96  | 5.25 | 79  | 98  | 28 | 173 |
| GrNAC124 | 7 | 6 | 452  | 51291.10  | 5.05 | 126 | 85  | 36 | 205 |
| GrNAC125 | 3 | 2 | 343  | 39752.64  | 5.16 | 99  | 64  | 24 | 156 |
| GrNAC126 | 5 | 4 | 447  | 50223.45  | 6.81 | 102 | 102 | 37 | 206 |
| GrNAC127 | 4 | 3 | 338  | 38469.82  | 5.62 | 42  | 61  | 16 | 219 |
| GrNAC128 | 4 | 3 | 298  | 34180.50  | 8.16 | 53  | 69  | 19 | 157 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GrNAC129 | 3 | 2 | 386 | 43032.85 | 6.76 | 101 | 52  | 30 | 203 |
| GrNAC130 | 2 | 1 | 178 | 20529.66 | 8.67 | 45  | 36  | 10 | 87  |
| GrNAC131 | 6 | 5 | 474 | 53600.39 | 6.34 | 104 | 90  | 34 | 246 |
| GrNAC132 | 3 | 2 | 298 | 33899.42 | 6.54 | 79  | 53  | 20 | 146 |
| GrNAC133 | 3 | 2 | 321 | 35923.62 | 9.00 | 57  | 67  | 25 | 172 |
| GrNAC134 | 3 | 2 | 349 | 38829.65 | 8.42 | 38  | 83  | 30 | 198 |
| GrNAC135 | 3 | 2 | 349 | 38640.15 | 6.32 | 59  | 80  | 34 | 176 |
| GrNAC136 | 3 | 2 | 349 | 39481.39 | 6.71 | 51  | 93  | 43 | 162 |
| GrNAC137 | 3 | 2 | 359 | 40355.39 | 8.12 | 109 | 50  | 24 | 176 |
| GrNAC138 | 3 | 2 | 324 | 36222.92 | 8.22 | 70  | 50  | 21 | 183 |
| GrNAC139 | 3 | 2 | 367 | 42396.47 | 5.26 | 121 | 76  | 29 | 141 |
| GrNAC140 | 3 | 2 | 291 | 33579.92 | 8.48 | 93  | 54  | 27 | 117 |
| GrNAC141 | 3 | 2 | 306 | 34192.33 | 8.88 | 38  | 88  | 31 | 149 |
| GrNAC142 | 3 | 2 | 256 | 29186.96 | 9.48 | 48  | 67  | 15 | 126 |
| GaNAC1   | 3 | 2 | 567 | 62298.96 | 4.93 | 131 | 119 | 79 | 238 |
| GaNAC2   | 3 | 2 | 279 | 32328.17 | 9.12 | 99  | 42  | 12 | 126 |
| GaNAC3   | 3 | 2 | 281 | 32706.48 | 8.64 | 89  | 47  | 10 | 135 |
| GaNAC4   | 3 | 2 | 197 | 22509.93 | 5.38 | 42  | 197 | 23 | 88  |
| GaNAC5   | 2 | 1 | 216 | 24442.19 | 4.97 | 66  | 47  | 24 | 79  |
| GaNAC6   | 3 | 2 | 226 | 26288.71 | 6.76 | 82  | 33  | 22 | 89  |
| GaNAC7   | 3 | 2 | 283 | 32336.36 | 5.22 | 97  | 53  | 25 | 108 |
| GaNAC8   | 3 | 2 | 340 | 39456.27 | 5.16 | 102 | 70  | 22 | 146 |
| GaNAC9   | 3 | 2 | 234 | 26988.69 | 9.16 | 86  | 36  | 16 | 96  |
| GaNAC10  | 2 | 1 | 151 | 17753.18 | 8.67 | 34  | 37  | 13 | 67  |
| GaNAC11  | 5 | 4 | 331 | 37730.43 | 5.21 | 109 | 37  | 17 | 168 |
| GaNAC12  | 3 | 2 | 185 | 21152.18 | 8.54 | 37  | 51  | 20 | 77  |

|         |   |   |     |          |      |     |     |    |     |
|---------|---|---|-----|----------|------|-----|-----|----|-----|
| GaNAC13 | 5 | 4 | 533 | 59328.98 | 5.71 | 136 | 105 | 50 | 242 |
| GaNAC14 | 3 | 2 | 256 | 29647.15 | 4.98 | 62  | 48  | 28 | 118 |
| GaNAC15 | 3 | 2 | 260 | 30113.91 | 6.23 | 92  | 55  | 24 | 89  |
| GaNAC16 | 2 | 1 | 335 | 39019.74 | 6.43 | 120 | 52  | 25 | 138 |
| GaNAC17 | 3 | 2 | 263 | 29635.67 | 5.73 | 79  | 50  | 20 | 114 |
| GaNAC18 | 6 | 5 | 433 | 49261.38 | 4.51 | 105 | 100 | 39 | 189 |
| GaNAC19 | 1 | 0 | 362 | 42135.90 | 5.24 | 59  | 123 | 27 | 153 |
| GaNAC20 | 3 | 2 | 288 | 32743.97 | 9.12 | 48  | 80  | 37 | 123 |
| GaNAC21 | 5 | 4 | 626 | 70866.06 | 4.89 | 235 | 94  | 35 | 262 |
| GaNAC22 | 3 | 2 | 395 | 43930.58 | 6.09 | 122 | 73  | 23 | 177 |
| GaNAC23 | 2 | 1 | 201 | 23377.36 | 4.96 | 40  | 55  | 21 | 85  |
| GaNAC24 | 3 | 2 | 226 | 26119.38 | 5.63 | 66  | 32  | 22 | 106 |
| GaNAC25 | 3 | 2 | 194 | 22581.87 | 7.06 | 58  | 42  | 11 | 83  |
| GaNAC26 | 2 | 1 | 170 | 20569.83 | 9.08 | 49  | 49  | 18 | 54  |
| GaNAC27 | 2 | 1 | 162 | 18924.28 | 9.46 | 41  | 26  | 21 | 74  |
| GaNAC28 | 4 | 3 | 323 | 37188.69 | 5.00 | 90  | 50  | 21 | 162 |
| GaNAC29 | 3 | 2 | 340 | 38739.28 | 7.05 | 76  | 49  | 27 | 188 |
| GaNAC30 | 4 | 3 | 442 | 49478.61 | 6.30 | 141 | 51  | 37 | 213 |
| GaNAC31 | 3 | 2 | 281 | 32531.68 | 7.71 | 61  | 60  | 20 | 140 |
| GaNAC32 | 4 | 3 | 343 | 37823.35 | 7.74 | 74  | 76  | 29 | 164 |
| GaNAC33 | 3 | 2 | 348 | 38636.31 | 8.94 | 67  | 76  | 28 | 177 |
| GaNAC34 | 3 | 2 | 335 | 37095.66 | 8.31 | 58  | 72  | 23 | 182 |
| GaNAC35 | 5 | 4 | 322 | 35926.05 | 4.49 | 110 | 72  | 22 | 118 |
| GaNAC36 | 3 | 2 | 350 | 40724.38 | 6.12 | 121 | 63  | 31 | 135 |
| GaNAC37 | 3 | 2 | 248 | 28197.10 | 9.07 | 43  | 56  | 28 | 121 |
| GaNAC38 | 6 | 5 | 375 | 42948.22 | 6.04 | 62  | 89  | 23 | 201 |

|         |   |   |     |          |      |     |     |    |     |
|---------|---|---|-----|----------|------|-----|-----|----|-----|
| GaNAC39 | 5 | 4 | 559 | 62297.76 | 4.85 | 144 | 132 | 39 | 244 |
| GaNAC40 | 3 | 2 | 406 | 46476.83 | 6.02 | 73  | 87  | 29 | 217 |
| GaNAC41 | 3 | 2 | 281 | 31760.73 | 7.09 | 78  | 58  | 26 | 119 |
| GaNAC42 | 4 | 3 | 631 | 70908.19 | 5.22 | 218 | 100 | 46 | 267 |
| GaNAC43 | 3 | 2 | 276 | 31592.34 | 5.90 | 46  | 57  | 22 | 151 |
| GaNAC44 | 6 | 5 | 484 | 54499.02 | 6.56 | 112 | 106 | 38 | 228 |
| GaNAC45 | 1 | 0 | 348 | 38726.52 | 4.70 | 90  | 53  | 31 | 174 |
| GaNAC46 | 3 | 2 | 246 | 28370.70 | 5.83 | 69  | 42  | 12 | 123 |
| GaNAC47 | 3 | 2 | 255 | 29012.69 | 9.27 | 46  | 62  | 18 | 129 |
| GaNAC48 | 3 | 2 | 254 | 28902.78 | 9.21 | 47  | 57  | 22 | 128 |
| GaNAC49 | 3 | 2 | 232 | 27092.54 | 7.70 | 56  | 48  | 22 | 106 |
| GaNAC50 | 3 | 2 | 321 | 36105.79 | 9.19 | 58  | 86  | 35 | 142 |
| GaNAC51 | 2 | 1 | 153 | 18126.54 | 9.08 | 37  | 41  | 15 | 60  |
| GaNAC52 | 7 | 6 | 608 | 69045.60 | 5.32 | 168 | 117 | 36 | 287 |
| GaNAC53 | 3 | 2 | 349 | 38929.09 | 5.95 | 127 | 52  | 28 | 142 |
| GaNAC54 | 3 | 2 | 238 | 27337.56 | 4.91 | 55  | 41  | 13 | 129 |
| GaNAC55 | 5 | 4 | 382 | 43840.24 | 7.03 | 74  | 77  | 21 | 210 |
| GaNAC56 | 3 | 2 | 388 | 44113.23 | 6.50 | 85  | 75  | 47 | 181 |
| GaNAC57 | 4 | 3 | 407 | 45653.96 | 8.42 | 75  | 103 | 30 | 199 |
| GaNAC58 | 7 | 6 | 423 | 47190.44 | 6.28 | 76  | 111 | 45 | 191 |
| GaNAC59 | 3 | 2 | 347 | 38932.54 | 7.79 | 71  | 71  | 14 | 191 |
| GaNAC60 | 3 | 2 | 342 | 38355.12 | 8.89 | 89  | 71  | 27 | 155 |
| GaNAC61 | 5 | 4 | 352 | 38418.59 | 4.79 | 93  | 71  | 34 | 154 |
| GaNAC62 | 4 | 3 | 399 | 44732.40 | 8.76 | 113 | 72  | 30 | 184 |
| GaNAC63 | 7 | 6 | 487 | 55404.96 | 5.76 | 150 | 82  | 37 | 218 |
| GaNAC64 | 5 | 4 | 398 | 44981.53 | 4.69 | 96  | 83  | 36 | 183 |

|         |   |   |     |          |      |     |     |    |     |
|---------|---|---|-----|----------|------|-----|-----|----|-----|
| GaNAC65 | 3 | 2 | 318 | 36112.98 | 8.05 | 69  | 78  | 23 | 148 |
| GaNAC66 | 3 | 2 | 377 | 43016.76 | 6.28 | 98  | 66  | 38 | 175 |
| GaNAC67 | 6 | 5 | 378 | 43351.40 | 5.33 | 76  | 101 | 30 | 171 |
| GaNAC68 | 7 | 6 | 451 | 51229.84 | 5.14 | 130 | 87  | 45 | 189 |
| GaNAC69 | 3 | 2 | 198 | 22848.45 | 4.83 | 52  | 31  | 11 | 104 |
| GaNAC70 | 3 | 2 | 319 | 36279.96 | 8.84 | 68  | 75  | 23 | 153 |
| GaNAC71 | 3 | 2 | 299 | 33878.22 | 6.18 | 49  | 49  | 21 | 180 |
| GaNAC72 | 3 | 2 | 349 | 38651.13 | 6.16 | 61  | 76  | 33 | 179 |
| GaNAC73 | 3 | 2 | 349 | 38902.70 | 8.67 | 41  | 80  | 29 | 199 |
| GaNAC74 | 3 | 2 | 363 | 42233.11 | 6.52 | 121 | 60  | 21 | 161 |
| GaNAC75 | 3 | 2 | 357 | 39411.01 | 7.12 | 80  | 71  | 24 | 182 |
| GaNAC76 | 9 | 8 | 859 | 94091.62 | 4.94 | 215 | 153 | 71 | 420 |
| GaNAC77 | 6 | 5 | 485 | 54807.95 | 6.40 | 112 | 96  | 36 | 241 |
| GaNAC78 | 3 | 2 | 348 | 39480.45 | 7.07 | 52  | 91  | 39 | 161 |
| GaNAC79 | 3 | 2 | 356 | 40110.18 | 8.46 | 106 | 58  | 26 | 166 |
| GaNAC80 | 3 | 2 | 357 | 41556.29 | 6.15 | 126 | 59  | 17 | 155 |
| GaNAC81 | 2 | 1 | 145 | 17123.39 | 8.78 | 34  | 38  | 16 | 57  |
| GaNAC82 | 3 | 2 | 321 | 36981.83 | 7.04 | 69  | 46  | 26 | 180 |
| GaNAC83 | 6 | 5 | 447 | 50242.56 | 6.24 | 132 | 98  | 39 | 178 |
| GaNAC84 | 3 | 2 | 268 | 31045.73 | 5.69 | 68  | 62  | 28 | 110 |
| GaNAC85 | 3 | 2 | 398 | 45338.64 | 6.63 | 105 | 71  | 36 | 186 |
| GaNAC86 | 3 | 2 | 245 | 27945.97 | 9.55 | 45  | 57  | 18 | 125 |
| GaNAC87 | 4 | 3 | 325 | 37178.39 | 5.26 | 66  | 71  | 18 | 170 |
| GaNAC88 | 3 | 2 | 310 | 36564.21 | 6.56 | 110 | 48  | 19 | 133 |
| GaNAC89 | 3 | 2 | 358 | 40547.52 | 8.59 | 88  | 64  | 22 | 184 |
| GaNAC90 | 3 | 2 | 285 | 32437.43 | 5.77 | 74  | 56  | 33 | 122 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GaNAC91  | 3 | 2 | 288 | 32961.81 | 5.88 | 69  | 55  | 24 | 140 |
| GaNAC92  | 3 | 2 | 288 | 33102.96 | 5.95 | 63  | 62  | 25 | 138 |
| GaNAC93  | 3 | 2 | 254 | 28950.77 | 9.28 | 55  | 59  | 10 | 130 |
| GaNAC94  | 3 | 2 | 203 | 23562.94 | 9.03 | 52  | 48  | 17 | 86  |
| GaNAC95  | 3 | 2 | 366 | 42053.43 | 5.76 | 84  | 48  | 40 | 194 |
| GaNAC96  | 3 | 2 | 370 | 42504.82 | 5.76 | 124 | 45  | 33 | 168 |
| GaNAC97  | 3 | 2 | 249 | 28409.01 | 9.11 | 53  | 49  | 21 | 126 |
| GaNAC98  | 3 | 2 | 276 | 31902.29 | 6.03 | 62  | 53  | 19 | 142 |
| GaNAC99  | 4 | 3 | 359 | 40311.65 | 8.81 | 82  | 86  | 39 | 152 |
| GaNAC100 | 3 | 2 | 228 | 25821.95 | 6.10 | 70  | 33  | 14 | 111 |
| GaNAC101 | 3 | 2 | 383 | 43661.58 | 6.19 | 94  | 84  | 34 | 171 |
| GaNAC102 | 3 | 2 | 195 | 22458.98 | 4.96 | 44  | 27  | 15 | 109 |
| GaNAC103 | 2 | 1 | 268 | 30136.85 | 4.81 | 82  | 62  | 25 | 99  |
| GaNAC104 | 2 | 1 | 268 | 30383.35 | 4.96 | 81  | 56  | 32 | 99  |
| GaNAC105 | 2 | 1 | 263 | 29617.52 | 5.26 | 77  | 59  | 28 | 99  |
| GaNAC106 | 3 | 2 | 279 | 32210.22 | 5.66 | 87  | 62  | 32 | 98  |
| GaNAC107 | 3 | 2 | 286 | 33069.32 | 8.21 | 39  | 72  | 19 | 156 |
| GaNAC108 | 3 | 2 | 203 | 23013.21 | 9.41 | 58  | 45  | 19 | 84  |
| GaNAC109 | 3 | 2 | 260 | 30574.36 | 5.00 | 73  | 43  | 27 | 117 |
| GaNAC110 | 4 | 3 | 461 | 51332.36 | 5.50 | 142 | 58  | 34 | 227 |
| GaNAC111 | 8 | 7 | 632 | 70749.75 | 4.77 | 169 | 126 | 48 | 289 |
| GaNAC112 | 3 | 2 | 293 | 33859.77 | 5.67 | 63  | 73  | 27 | 130 |
| GaNAC113 | 3 | 2 | 300 | 33746.93 | 7.04 | 61  | 64  | 31 | 144 |
| GaNAC114 | 3 | 2 | 312 | 35020.69 | 6.22 | 73  | 69  | 27 | 143 |
| GaNAC115 | 3 | 2 | 386 | 43410.93 | 7.55 | 69  | 59  | 42 | 216 |
| GaNAC116 | 3 | 2 | 393 | 44237.09 | 6.05 | 85  | 79  | 33 | 196 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GaNAC117 | 3 | 2 | 291 | 33594.15 | 7.64 | 100 | 49  | 12 | 130 |
| GaNAC118 | 4 | 3 | 452 | 50079.23 | 5.65 | 161 | 59  | 35 | 197 |
| GaNAC119 | 4 | 3 | 305 | 34893.48 | 7.01 | 70  | 63  | 19 | 153 |
| GaNAC120 | 3 | 2 | 310 | 35849.23 | 8.73 | 67  | 57  | 21 | 165 |
| GaNAC121 | 3 | 2 | 298 | 33939.52 | 6.26 | 87  | 49  | 25 | 137 |
| GaNAC122 | 5 | 4 | 562 | 62592.63 | 5.60 | 153 | 130 | 47 | 232 |
| GaNAC123 | 5 | 4 | 429 | 48652.54 | 4.86 | 118 | 84  | 37 | 188 |
| GaNAC124 | 2 | 1 | 266 | 30096.95 | 4.90 | 89  | 46  | 32 | 99  |
| GaNAC125 | 3 | 2 | 327 | 37021.56 | 5.39 | 91  | 61  | 34 | 141 |
| GaNAC126 | 3 | 2 | 315 | 36135.64 | 6.06 | 62  | 66  | 26 | 161 |
| GaNAC127 | 6 | 5 | 635 | 70748.30 | 5.10 | 166 | 112 | 49 | 308 |
| GaNAC128 | 3 | 2 | 332 | 37458.50 | 8.33 | 66  | 74  | 29 | 163 |
| GaNAC129 | 6 | 5 | 429 | 48742.28 | 5.35 | 106 | 93  | 29 | 201 |
| GaNAC130 | 3 | 2 | 349 | 39714.40 | 6.27 | 108 | 50  | 30 | 161 |
| GaNAC131 | 3 | 2 | 320 | 35764.47 | 9.00 | 52  | 71  | 27 | 170 |
| GaNAC132 | 3 | 2 | 282 | 32615.35 | 5.42 | 63  | 61  | 18 | 140 |
| GaNAC133 | 3 | 2 | 254 | 28877.40 | 6.67 | 76  | 44  | 16 | 118 |
| GaNAC134 | 3 | 2 | 377 | 41989.74 | 7.64 | 90  | 54  | 32 | 201 |
| GaNAC135 | 3 | 2 | 341 | 38011.71 | 9.29 | 66  | 73  | 27 | 175 |
| GaNAC136 | 3 | 2 | 291 | 33554.89 | 8.68 | 92  | 55  | 28 | 118 |
| GaNAC137 | 3 | 2 | 306 | 34249.36 | 8.64 | 30  | 88  | 25 | 163 |
| GaNAC138 | 7 | 6 | 441 | 50516.50 | 5.14 | 116 | 93  | 48 | 184 |
| GaNAC139 | 3 | 2 | 354 | 39717.70 | 9.41 | 56  | 87  | 21 | 190 |
| GaNAC140 | 3 | 2 | 371 | 41425.21 | 8.50 | 79  | 63  | 30 | 199 |
| GaNAC141 | 3 | 2 | 406 | 46118.31 | 5.62 | 101 | 76  | 37 | 192 |
| GaNAC142 | 3 | 2 | 374 | 42785.03 | 8.87 | 95  | 56  | 24 | 199 |

|         |   |   |     |          |      |     |     |    |     |
|---------|---|---|-----|----------|------|-----|-----|----|-----|
| GhNAC1  | 3 | 2 | 263 | 29617.63 | 5.73 | 78  | 51  | 18 | 116 |
| GhNAC2  | 3 | 2 | 310 | 36560.08 | 6.57 | 113 | 53  | 18 | 126 |
| GhNAC3  | 7 | 6 | 660 | 73742.58 | 5.01 | 199 | 108 | 51 | 302 |
| GhNAC4  | 3 | 2 | 255 | 28944.84 | 9.22 | 56  | 51  | 21 | 127 |
| GhNAC5  | 3 | 2 | 283 | 32392.43 | 5.33 | 108 | 49  | 25 | 101 |
| GhNAC6  | 5 | 4 | 494 | 55452.69 | 5.87 | 154 | 82  | 48 | 210 |
| GhNAC7  | 3 | 2 | 281 | 32612.30 | 8.40 | 82  | 49  | 9  | 141 |
| GhNAC8  | 4 | 3 | 266 | 30507.26 | 5.09 | 66  | 52  | 22 | 126 |
| GhNAC9  | 2 | 1 | 317 | 36318.32 | 9.13 | 76  | 92  | 37 | 112 |
| GhNAC10 | 2 | 1 | 152 | 17938.35 | 8.36 | 34  | 39  | 13 | 66  |
| GhNAC11 | 2 | 1 | 157 | 18100.92 | 9.51 | 46  | 27  | 13 | 71  |
| GhNAC12 | 3 | 2 | 332 | 37715.81 | 8.09 | 73  | 72  | 25 | 162 |
| GhNAC13 | 3 | 2 | 276 | 31537.28 | 5.92 | 52  | 52  | 24 | 148 |
| GhNAC14 | 3 | 2 | 388 | 43860.80 | 7.02 | 86  | 81  | 28 | 193 |
| GhNAC15 | 4 | 3 | 323 | 37208.68 | 5.00 | 88  | 54  | 18 | 163 |
| GhNAC16 | 3 | 2 | 338 | 38357.69 | 6.33 | 76  | 52  | 28 | 182 |
| GhNAC17 | 3 | 2 | 285 | 32369.27 | 5.77 | 68  | 59  | 30 | 128 |
| GhNAC18 | 3 | 2 | 288 | 32975.84 | 5.88 | 71  | 53  | 24 | 140 |
| GhNAC19 | 3 | 2 | 288 | 33156.97 | 5.95 | 62  | 63  | 24 | 139 |
| GhNAC20 | 3 | 2 | 356 | 40399.56 | 9.01 | 83  | 64  | 26 | 183 |
| GhNAC21 | 5 | 4 | 402 | 45472.16 | 4.69 | 103 | 86  | 38 | 175 |
| GhNAC22 | 1 | 0 | 347 | 38363.19 | 4.78 | 79  | 58  | 37 | 173 |
| GhNAC23 | 3 | 2 | 318 | 36216.15 | 8.34 | 70  | 82  | 21 | 145 |
| GhNAC24 | 2 | 1 | 192 | 22422.75 | 6.54 | 71  | 45  | 10 | 66  |
| GhNAC25 | 6 | 5 | 613 | 68674.83 | 5.08 | 215 | 101 | 44 | 253 |
| GhNAC26 | 3 | 2 | 349 | 38895.78 | 8.61 | 37  | 85  | 31 | 196 |

|         |    |   |     |          |      |     |     |    |     |
|---------|----|---|-----|----------|------|-----|-----|----|-----|
| GhNAC27 | 3  | 2 | 349 | 38670.28 | 6.52 | 59  | 83  | 33 | 174 |
| GhNAC28 | 7  | 6 | 582 | 65701.86 | 4.85 | 213 | 95  | 35 | 239 |
| GhNAC29 | 3  | 2 | 375 | 42878.87 | 4.78 | 140 | 62  | 22 | 151 |
| GhNAC30 | 6  | 5 | 527 | 58895.17 | 7.98 | 169 | 93  | 51 | 214 |
| GhNAC31 | 3  | 2 | 239 | 27555.59 | 9.13 | 72  | 47  | 14 | 106 |
| GhNAC32 | 3  | 2 | 576 | 63347.31 | 4.86 | 121 | 138 | 69 | 248 |
| GhNAC33 | 3  | 2 | 256 | 29582.95 | 4.84 | 57  | 51  | 27 | 121 |
| GhNAC34 | 6  | 5 | 656 | 74293.71 | 5.48 | 212 | 114 | 49 | 281 |
| GhNAC35 | 1  | 0 | 348 | 38754.57 | 4.70 | 87  | 55  | 32 | 174 |
| GhNAC36 | 5  | 4 | 344 | 38985.08 | 8.67 | 87  | 74  | 33 | 150 |
| GhNAC37 | 3  | 2 | 318 | 36112.00 | 8.34 | 69  | 77  | 25 | 147 |
| GhNAC38 | 3  | 2 | 268 | 31018.71 | 5.69 | 68  | 62  | 27 | 111 |
| GhNAC39 | 3  | 2 | 232 | 27179.71 | 8.32 | 56  | 47  | 20 | 109 |
| GhNAC40 | 3  | 2 | 202 | 23126.67 | 5.66 | 49  | 41  | 22 | 90  |
| GhNAC41 | 4  | 3 | 410 | 45848.67 | 8.61 | 121 | 70  | 31 | 188 |
| GhNAC42 | 5  | 4 | 288 | 32683.88 | 9.12 | 45  | 83  | 41 | 119 |
| GhNAC43 | 3  | 2 | 149 | 17139.50 | 9.30 | 31  | 28  | 11 | 79  |
| GhNAC44 | 3  | 2 | 281 | 32478.57 | 7.71 | 59  | 60  | 22 | 140 |
| GhNAC45 | 7  | 6 | 440 | 50051.87 | 5.68 | 100 | 101 | 37 | 202 |
| GhNAC46 | 3  | 2 | 343 | 39798.71 | 5.24 | 97  | 64  | 27 | 155 |
| GhNAC47 | 3  | 2 | 289 | 33078.85 | 5.81 | 68  | 66  | 22 | 133 |
| GhNAC48 | 3  | 2 | 286 | 32646.39 | 5.63 | 66  | 55  | 30 | 135 |
| GhNAC49 | 3  | 2 | 285 | 32318.19 | 5.48 | 64  | 57  | 28 | 136 |
| GhNAC50 | 3  | 2 | 345 | 39199.81 | 7.35 | 83  | 48  | 27 | 187 |
| GhNAC51 | 4  | 3 | 323 | 37198.64 | 5.00 | 96  | 50  | 17 | 160 |
| GhNAC52 | 10 | 9 | 827 | 90918.40 | 4.92 | 210 | 148 | 65 | 404 |

|         |   |   |     |          |      |     |     |    |     |
|---------|---|---|-----|----------|------|-----|-----|----|-----|
| GhNAC53 | 3 | 2 | 388 | 44094.17 | 6.64 | 85  | 79  | 48 | 176 |
| GhNAC54 | 3 | 2 | 248 | 28206.07 | 9.11 | 42  | 54  | 26 | 126 |
| GhNAC55 | 3 | 2 | 419 | 47766.35 | 6.85 | 98  | 69  | 24 | 228 |
| GhNAC56 | 3 | 2 | 281 | 32531.68 | 7.71 | 61  | 60  | 20 | 140 |
| GhNAC57 | 4 | 3 | 338 | 38524.87 | 6.03 | 57  | 67  | 14 | 200 |
| GhNAC58 | 4 | 3 | 363 | 39995.69 | 7.12 | 80  | 73  | 28 | 182 |
| GhNAC59 | 4 | 3 | 231 | 26627.15 | 9.27 | 52  | 49  | 19 | 111 |
| GhNAC60 | 4 | 3 | 276 | 31468.31 | 7.53 | 32  | 65  | 16 | 163 |
| GhNAC61 | 2 | 1 | 150 | 17634.01 | 8.65 | 23  | 37  | 9  | 81  |
| GhNAC62 | 3 | 2 | 406 | 46484.85 | 6.13 | 69  | 86  | 31 | 220 |
| GhNAC63 | 3 | 2 | 340 | 39555.41 | 5.24 | 104 | 71  | 19 | 146 |
| GhNAC64 | 3 | 2 | 313 | 36029.74 | 6.31 | 55  | 72  | 31 | 155 |
| GhNAC65 | 3 | 2 | 349 | 39529.43 | 6.71 | 51  | 93  | 41 | 164 |
| GhNAC66 | 3 | 2 | 359 | 40341.36 | 8.12 | 109 | 50  | 24 | 176 |
| GhNAC67 | 3 | 2 | 293 | 33878.83 | 5.92 | 63  | 73  | 29 | 128 |
| GhNAC68 | 3 | 2 | 253 | 28808.63 | 9.16 | 59  | 58  | 11 | 125 |
| GhNAC69 | 7 | 6 | 609 | 69125.59 | 5.22 | 170 | 113 | 43 | 283 |
| GhNAC70 | 6 | 5 | 454 | 51512.04 | 4.85 | 118 | 91  | 41 | 204 |
| GhNAC71 | 3 | 2 | 343 | 38165.88 | 9.29 | 66  | 71  | 22 | 184 |
| GhNAC72 | 2 | 1 | 335 | 39009.79 | 6.74 | 121 | 49  | 26 | 139 |
| GhNAC73 | 3 | 2 | 406 | 46465.76 | 5.97 | 67  | 93  | 36 | 210 |
| GhNAC74 | 5 | 4 | 541 | 60604.84 | 4.92 | 153 | 118 | 36 | 234 |
| GhNAC75 | 6 | 5 | 460 | 52622.03 | 5.76 | 132 | 105 | 51 | 172 |
| GhNAC76 | 3 | 2 | 345 | 38559.10 | 6.32 | 68  | 72  | 19 | 186 |
| GhNAC77 | 4 | 3 | 277 | 32611.33 | 9.48 | 87  | 54  | 24 | 112 |
| GhNAC78 | 3 | 2 | 293 | 33827.73 | 5.56 | 71  | 69  | 29 | 124 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GhNAC79  | 2 | 1 | 156 | 18253.47 | 5.67 | 43  | 39  | 18 | 56  |
| GhNAC80  | 7 | 6 | 465 | 53250.58 | 5.59 | 149 | 77  | 48 | 191 |
| GhNAC81  | 3 | 2 | 349 | 39675.32 | 5.96 | 98  | 55  | 25 | 171 |
| GhNAC82  | 3 | 2 | 260 | 30595.38 | 5.00 | 80  | 41  | 25 | 114 |
| GhNAC83  | 2 | 1 | 153 | 18138.60 | 9.08 | 36  | 43  | 14 | 60  |
| GhNAC84  | 3 | 2 | 393 | 44266.17 | 6.05 | 83  | 79  | 35 | 196 |
| GhNAC85  | 4 | 3 | 336 | 38802.24 | 8.08 | 68  | 68  | 22 | 178 |
| GhNAC86  | 3 | 2 | 279 | 32466.99 | 7.69 | 97  | 47  | 9  | 126 |
| GhNAC87  | 3 | 2 | 366 | 42435.31 | 6.52 | 122 | 60  | 19 | 165 |
| GhNAC88  | 3 | 2 | 349 | 38858.66 | 8.61 | 42  | 78  | 30 | 199 |
| GhNAC89  | 3 | 2 | 349 | 38629.11 | 6.16 | 61  | 75  | 32 | 181 |
| GhNAC90  | 3 | 2 | 200 | 23215.36 | 5.61 | 61  | 41  | 29 | 69  |
| GhNAC91  | 3 | 2 | 346 | 38436.06 | 8.87 | 65  | 80  | 25 | 176 |
| GhNAC92  | 3 | 2 | 335 | 37084.59 | 8.32 | 55  | 70  | 20 | 190 |
| GhNAC93  | 3 | 2 | 204 | 23746.98 | 9.64 | 66  | 38  | 21 | 79  |
| GhNAC94  | 3 | 2 | 349 | 38908.11 | 5.73 | 117 | 54  | 32 | 146 |
| GhNAC95  | 3 | 2 | 358 | 40584.63 | 8.74 | 94  | 63  | 20 | 181 |
| GhNAC96  | 3 | 2 | 401 | 45531.69 | 5.82 | 97  | 79  | 36 | 189 |
| GhNAC97  | 3 | 2 | 387 | 43220.09 | 6.76 | 109 | 49  | 30 | 199 |
| GhNAC98  | 3 | 2 | 387 | 43134.00 | 7.11 | 101 | 53  | 32 | 201 |
| GhNAC99  | 3 | 2 | 575 | 63141.93 | 4.89 | 132 | 122 | 72 | 249 |
| GhNAC100 | 3 | 2 | 281 | 31594.61 | 6.51 | 81  | 54  | 29 | 120 |
| GhNAC101 | 3 | 2 | 315 | 36137.70 | 5.93 | 63  | 66  | 23 | 163 |
| GhNAC102 | 3 | 2 | 395 | 43943.55 | 5.91 | 117 | 76  | 25 | 177 |
| GhNAC103 | 3 | 2 | 299 | 33878.22 | 6.18 | 49  | 49  | 21 | 180 |
| GhNAC104 | 3 | 2 | 248 | 28093.04 | 9.28 | 45  | 54  | 27 | 122 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GhNAC105 | 3 | 2 | 283 | 32320.32 | 5.22 | 97  | 52  | 23 | 111 |
| GhNAC106 | 3 | 2 | 350 | 40706.37 | 6.17 | 125 | 60  | 29 | 136 |
| GhNAC107 | 3 | 2 | 185 | 21489.93 | 9.75 | 42  | 45  | 26 | 72  |
| GhNAC108 | 3 | 2 | 280 | 32499.63 | 7.77 | 87  | 39  | 18 | 136 |
| GhNAC109 | 3 | 2 | 356 | 40793.95 | 5.13 | 72  | 74  | 35 | 175 |
| GhNAC110 | 4 | 3 | 327 | 37350.52 | 5.74 | 52  | 83  | 20 | 172 |
| GhNAC111 | 3 | 2 | 154 | 17561.00 | 8.96 | 32  | 32  | 10 | 80  |
| GhNAC112 | 3 | 2 | 320 | 36382.00 | 8.50 | 68  | 74  | 27 | 151 |
| GhNAC113 | 4 | 3 | 371 | 41536.04 | 8.50 | 88  | 89  | 42 | 152 |
| GhNAC114 | 3 | 2 | 228 | 25839.97 | 6.10 | 72  | 35  | 13 | 108 |
| GhNAC115 | 3 | 2 | 298 | 33857.34 | 6.54 | 85  | 49  | 23 | 141 |
| GhNAC116 | 4 | 3 | 338 | 38386.65 | 5.61 | 53  | 62  | 16 | 207 |
| GhNAC117 | 3 | 2 | 204 | 23204.43 | 8.90 | 58  | 44  | 11 | 91  |
| GhNAC118 | 2 | 1 | 151 | 17739.15 | 8.67 | 33  | 38  | 11 | 69  |
| GhNAC119 | 3 | 2 | 279 | 32357.12 | 8.91 | 103 | 43  | 12 | 121 |
| GhNAC120 | 3 | 2 | 228 | 25855.99 | 6.10 | 74  | 34  | 17 | 103 |
| GhNAC121 | 4 | 3 | 371 | 41625.14 | 8.54 | 98  | 82  | 37 | 154 |
| GhNAC122 | 3 | 2 | 226 | 26245.71 | 7.01 | 70  | 40  | 16 | 100 |
| GhNAC123 | 6 | 5 | 378 | 43097.00 | 5.20 | 80  | 96  | 28 | 174 |
| GhNAC124 | 7 | 6 | 451 | 51302.94 | 5.01 | 124 | 83  | 41 | 203 |
| GhNAC125 | 5 | 4 | 562 | 62656.77 | 5.68 | 153 | 131 | 48 | 230 |
| GhNAC126 | 3 | 2 | 332 | 38376.98 | 8.58 | 71  | 62  | 32 | 167 |
| GhNAC127 | 4 | 3 | 410 | 45801.54 | 8.64 | 131 | 68  | 31 | 180 |
| GhNAC128 | 3 | 2 | 404 | 45831.19 | 6.63 | 119 | 66  | 35 | 184 |
| GhNAC129 | 3 | 2 | 196 | 22172.85 | 5.40 | 56  | 35  | 15 | 90  |
| GhNAC130 | 3 | 2 | 245 | 27824.90 | 9.55 | 46  | 59  | 21 | 119 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GhNAC131 | 3 | 2 | 342 | 39266.08 | 6.41 | 78  | 64  | 22 | 178 |
| GhNAC132 | 3 | 2 | 323 | 36121.82 | 8.22 | 70  | 50  | 20 | 183 |
| GhNAC133 | 3 | 2 | 202 | 23449.61 | 5.44 | 57  | 46  | 29 | 70  |
| GhNAC134 | 3 | 2 | 321 | 36477.02 | 8.49 | 67  | 76  | 27 | 151 |
| GhNAC135 | 3 | 2 | 380 | 42405.23 | 8.32 | 73  | 62  | 28 | 217 |
| GhNAC136 | 3 | 2 | 357 | 41596.40 | 6.43 | 130 | 61  | 22 | 144 |
| GhNAC137 | 4 | 3 | 226 | 25770.68 | 5.51 | 74  | 30  | 14 | 108 |
| GhNAC138 | 3 | 2 | 383 | 43508.47 | 6.14 | 95  | 87  | 34 | 167 |
| GhNAC139 | 3 | 2 | 301 | 34019.30 | 6.10 | 50  | 51  | 20 | 180 |
| GhNAC140 | 3 | 2 | 246 | 28360.79 | 5.65 | 56  | 41  | 9  | 140 |
| GhNAC141 | 4 | 3 | 414 | 46689.29 | 8.45 | 67  | 111 | 28 | 208 |
| GhNAC142 | 3 | 2 | 291 | 33549.89 | 8.48 | 89  | 56  | 29 | 117 |
| GhNAC143 | 4 | 3 | 341 | 38126.22 | 9.02 | 60  | 80  | 30 | 171 |
| GhNAC144 | 3 | 2 | 395 | 43986.65 | 5.97 | 132 | 67  | 24 | 172 |
| GhNAC145 | 4 | 3 | 292 | 33609.75 | 6.91 | 50  | 67  | 20 | 155 |
| GhNAC146 | 3 | 2 | 279 | 32304.39 | 5.56 | 98  | 57  | 31 | 93  |
| GhNAC147 | 5 | 4 | 562 | 62565.69 | 5.49 | 165 | 124 | 49 | 224 |
| GhNAC148 | 4 | 3 | 449 | 49884.07 | 5.59 | 151 | 59  | 38 | 201 |
| GhNAC149 | 3 | 2 | 327 | 36969.51 | 5.55 | 92  | 55  | 26 | 154 |
| GhNAC150 | 6 | 5 | 655 | 74236.68 | 5.74 | 192 | 127 | 54 | 282 |
| GhNAC151 | 6 | 5 | 481 | 54764.49 | 4.76 | 159 | 82  | 51 | 189 |
| GhNAC152 | 3 | 2 | 255 | 29012.69 | 9.27 | 46  | 62  | 18 | 129 |
| GhNAC153 | 3 | 2 | 254 | 28902.78 | 9.21 | 47  | 57  | 22 | 128 |
| GhNAC154 | 3 | 2 | 322 | 35969.64 | 8.22 | 74  | 49  | 19 | 180 |
| GhNAC155 | 3 | 2 | 291 | 33666.22 | 6.97 | 102 | 49  | 10 | 130 |
| GhNAC156 | 7 | 6 | 479 | 53908.22 | 6.50 | 102 | 101 | 42 | 234 |

|          |    |   |     |           |      |     |     |    |     |
|----------|----|---|-----|-----------|------|-----|-----|----|-----|
| GhNAC157 | 3  | 2 | 281 | 32746.55  | 8.64 | 93  | 42  | 13 | 133 |
| GhNAC158 | 3  | 2 | 204 | 23142.33  | 9.27 | 60  | 43  | 16 | 85  |
| GhNAC159 | 3  | 2 | 288 | 32806.95  | 9.12 | 45  | 82  | 38 | 123 |
| GhNAC160 | 3  | 2 | 346 | 38817.39  | 7.13 | 70  | 72  | 16 | 188 |
| GhNAC161 | 4  | 3 | 462 | 51417.51  | 5.44 | 144 | 61  | 36 | 221 |
| GhNAC162 | 3  | 2 | 327 | 36971.50  | 5.39 | 91  | 56  | 26 | 154 |
| GhNAC163 | 3  | 2 | 226 | 26318.74  | 6.76 | 82  | 33  | 20 | 91  |
| GhNAC164 | 3  | 2 | 348 | 39480.45  | 7.07 | 52  | 91  | 39 | 166 |
| GhNAC165 | 3  | 2 | 354 | 39895.96  | 8.17 | 106 | 56  | 23 | 169 |
| GhNAC166 | 3  | 2 | 366 | 40963.50  | 6.17 | 137 | 55  | 28 | 146 |
| GhNAC167 | 3  | 2 | 276 | 31932.31  | 5.83 | 61  | 54  | 19 | 142 |
| GhNAC168 | 3  | 2 | 320 | 35734.39  | 9.00 | 46  | 71  | 29 | 174 |
| GhNAC169 | 3  | 2 | 157 | 18097.88  | 9.37 | 47  | 27  | 12 | 71  |
| GhNAC170 | 3  | 2 | 245 | 27824.90  | 9.55 | 46  | 59  | 21 | 119 |
| GhNAC171 | 2  | 1 | 153 | 18127.49  | 8.56 | 37  | 42  | 14 | 60  |
| GhNAC172 | 3  | 2 | 291 | 33554.89  | 8.68 | 92  | 55  | 28 | 116 |
| GhNAC173 | 8  | 7 | 601 | 67208.04  | 4.59 | 152 | 123 | 42 | 284 |
| GhNAC174 | 4  | 3 | 461 | 51470.56  | 5.78 | 148 | 59  | 36 | 218 |
| GhNAC175 | 6  | 5 | 432 | 48939.88  | 4.86 | 120 | 82  | 41 | 189 |
| GhNAC176 | 3  | 2 | 386 | 43356.78  | 6.71 | 71  | 60  | 41 | 214 |
| GhNAC177 | 3  | 2 | 279 | 32357.12  | 8.91 | 103 | 43  | 12 | 121 |
| GhNAC178 | 10 | 9 | 941 | 106306.48 | 5.24 | 321 | 175 | 95 | 359 |
| GhNAC179 | 3  | 2 | 383 | 43627.57  | 6.19 | 94  | 86  | 36 | 167 |
| GhNAC180 | 3  | 2 | 246 | 28369.76  | 6.25 | 67  | 42  | 12 | 125 |
| GhNAC181 | 3  | 2 | 279 | 32210.22  | 5.66 | 87  | 62  | 32 | 98  |
| GhNAC182 | 3  | 2 | 387 | 43488.03  | 7.55 | 78  | 63  | 36 | 210 |

|          |   |   |     |          |      |     |     |    |     |
|----------|---|---|-----|----------|------|-----|-----|----|-----|
| GhNAC183 | 3 | 2 | 419 | 47723.28 | 6.85 | 96  | 67  | 24 | 232 |
| GhNAC184 | 3 | 2 | 388 | 44140.39 | 6.70 | 79  | 82  | 43 | 184 |
| GhNAC185 | 3 | 2 | 321 | 36109.78 | 9.19 | 65  | 81  | 35 | 140 |
| GhNAC186 | 3 | 2 | 349 | 39728.45 | 6.22 | 105 | 50  | 27 | 167 |
| GhNAC187 | 3 | 2 | 393 | 44235.08 | 6.05 | 86  | 79  | 30 | 198 |
| GhNAC188 | 6 | 5 | 581 |          |      | 146 | 125 | 42 | 268 |
| GhNAC189 | 3 | 2 | 298 | 33972.55 | 6.16 | 85  | 55  | 26 | 132 |
| GhNAC190 | 3 | 2 | 380 | 42517.35 | 8.03 | 84  | 63  | 29 | 204 |
| GhNAC191 | 3 | 2 | 306 | 34192.33 | 8.88 | 38  | 88  | 31 | 149 |
| GhNAC192 | 8 | 7 | 632 | 71711.84 | 6.44 | 177 | 125 | 54 | 276 |
| GhNAC193 | 3 | 2 | 310 | 36392.97 | 6.43 | 105 | 50  | 17 | 138 |
| GhNAC194 | 3 | 2 | 321 | 36888.28 | 5.10 | 99  | 72  | 22 | 128 |
| GhNAC195 | 3 | 2 | 341 | 38060.68 | 9.33 | 48  | 88  | 20 | 185 |
| GhNAC196 | 3 | 2 | 254 | 28951.54 | 7.05 | 80  | 43  | 14 | 117 |
| GhNAC197 | 6 | 5 | 275 | 31668.24 | 8.83 | 65  | 61  | 23 | 126 |
| GhNAC198 | 3 | 2 | 306 | 34340.52 | 8.92 | 30  | 88  | 28 | 160 |
| GhNAC199 | 3 | 2 | 341 | 37923.55 | 9.16 | 48  | 87  | 21 | 185 |
| GhNAC200 | 3 | 2 | 390 | 44586.90 | 8.22 | 95  | 57  | 24 | 214 |
| GhNAC201 | 6 | 5 | 635 | 70786.26 | 5.10 | 158 | 121 | 51 | 305 |
| GhNAC202 | 3 | 2 | 387 | 43182.00 | 7.11 | 97  | 54  | 30 | 206 |
| GhNAC203 | 3 | 2 | 286 | 33131.40 | 8.70 | 47  | 74  | 20 | 145 |
| GhNAC204 | 3 | 2 | 358 | 40569.97 | 7.69 | 58  | 91  | 24 | 185 |
| GhNAC205 | 3 | 2 | 283 | 32731.53 | 5.52 | 62  | 63  | 19 | 139 |
| GhNAC206 | 3 | 2 | 380 | 42517.35 | 8.03 | 84  | 63  | 29 | 204 |
| GhNAC207 | 5 | 4 | 643 | 72460.08 | 5.27 | 224 | 108 | 49 | 262 |
| GhNAC208 | 3 | 2 | 377 | 43002.73 | 6.28 | 98  | 67  | 41 | 171 |

|          |   |   |     |          |      |     |    |    |     |
|----------|---|---|-----|----------|------|-----|----|----|-----|
| GhNAC209 | 3 | 2 | 403 | 45813.21 | 6.36 | 111 | 68 | 37 | 187 |
| GhNAC210 | 3 | 2 | 388 | 44196.35 | 6.86 | 89  | 77 | 47 | 175 |
| GhNAC211 | 3 | 2 | 406 | 46107.28 | 5.62 | 102 | 80 | 38 | 186 |

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**TABLE S5** Subcellular localization of NAC proteins in *G.raimondii*, *G.arboreum* and *G.hirsutum* through PSORT and Cello software.

| <b>Name</b> | <b>PSORT result</b>    | <b>Cello result</b>    |
|-------------|------------------------|------------------------|
| GrNAC1      | Nuclear protein        | Cytoplasmic protein    |
| GrNAC2      | Nuclear protein        | Nuclear protein        |
| GrNAC3      | Nuclear protein        | Nuclear protein        |
| GrNAC4      | Nuclear protein        | Nuclear protein        |
| GrNAC5      | Nuclear protein        | Nuclear protein        |
| GrNAC6      | Nuclear protein        | Nuclear protein        |
| GrNAC7      | Nuclear protein        | Nuclear protein        |
| GrNAC8      | Nuclear protein        | Nuclear protein        |
| GrNAC9      | Nuclear protein        | Nuclear protein        |
| GrNAC10     | Nuclear protein        | Nuclear protein        |
| GrNAC11     | Nuclear protein        | Nuclear protein        |
| GrNAC12     | Nuclear protein        | Nuclear protein        |
| GrNAC13     | Nuclear protein        | Nuclear protein        |
| GrNAC14     | Nuclear protein        | Nuclear protein        |
| GrNAC15     | Cytoplasmic protein    | Nuclear protein        |
| GrNAC16     | Nuclear protein        | Nuclear protein        |
| GrNAC17     | Nuclear protein        | Nuclear protein        |
| GrNAC18     | Mitochondrial protein  | PlasmaMembrane protein |
| GrNAC19     | Nuclear protein        | Nuclear protein        |
| GrNAC20     | PlasmaMembrane protein | Cytoplasmic protein    |
| GrNAC21     | Chloroplast protein    | Nuclear protein        |
| GrNAC22     | Nuclear protein        | Nuclear protein        |
| GrNAC23     | Nuclear protein        | Nuclear protein        |
| GrNAC24     | Peroxisomal protein    | Nuclear protein        |
| GrNAC25     | Cytoplasmic protein    | Nuclear protein        |
| GrNAC26     | Chloroplast protein    | Nuclear protein        |
| GrNAC27     | Nuclear protein        | Nuclear protein        |
| GrNAC28     | Peroxisomal protein    | Nuclear protein        |
| GrNAC29     | Nuclear protein        | Nuclear protein        |
| GrNAC30     | Nuclear protein        | Nuclear protein        |
| GrNAC31     | Chloroplast protein    | PlasmaMembrane protein |
| GrNAC32     | Chloroplast protein    | Cytoplasmic protein    |
| GrNAC33     | Cytoplasmic protein    | Nuclear protein        |
| GrNAC34     | Nuclear protein        | Nuclear protein        |
| GrNAC35     | Nuclear protein        | Nuclear protein        |
| GrNAC36     | Nuclear protein        | Nuclear protein        |
| GrNAC37     | Cytoplasmic protein    | Nuclear protein        |
| GrNAC38     | Nuclear protein        | Chloroplast protein    |
| GrNAC39     | Nuclear protein        | Nuclear protein        |
| GrNAC40     | Chloroplast protein    | Nuclear protein        |
| GrNAC41     | Nuclear protein        | Nuclear protein        |

|         |                     |                       |
|---------|---------------------|-----------------------|
| GrNAC42 | Nuclear protein     | Nuclear protein       |
| GrNAC43 | Nuclear protein     | Nuclear protein       |
| GrNAC44 | Nuclear protein     | Nuclear protein       |
| GrNAC45 | Nuclear protein     | Nuclear protein       |
| GrNAC46 | Nuclear protein     | Nuclear protein       |
| GrNAC47 | Nuclear protein     | Nuclear protein       |
| GrNAC48 | Nuclear protein     | Extracellular protein |
| GrNAC49 | Cytoplasmic protein | Nuclear protein       |
| GrNAC50 | Nuclear protein     | Nuclear protein       |
| GrNAC51 | Nuclear protein     | Nuclear protein       |
| GrNAC52 | Nuclear protein     | Nuclear protein       |
| GrNAC53 | Chloroplast protein | Cytoplasmic protein   |
| GrNAC54 | Chloroplast protein | Nuclear protein       |
| GrNAC55 | Nuclear protein     | Extracellular protein |
| GrNAC56 | Nuclear protein     | Nuclear protein       |
| GrNAC57 | Nuclear protein     | Nuclear protein       |
| GrNAC58 | Nuclear protein     | Nuclear protein       |
| GrNAC59 | Nuclear protein     | Nuclear protein       |
| GrNAC60 | Nuclear protein     | Nuclear protein       |
| GrNAC61 | Nuclear protein     | Nuclear protein       |
| GrNAC62 | Nuclear protein     | Cytoplasmic protein   |
| GrNAC63 | Nuclear protein     | Nuclear protein       |
| GrNAC64 | Nuclear protein     | Nuclear protein       |
| GrNAC65 | Nuclear protein     | Nuclear protein       |
| GrNAC66 | Nuclear protein     | Nuclear protein       |
| GrNAC67 | Nuclear protein     | Nuclear protein       |
| GrNAC68 | Nuclear protein     | Nuclear protein       |
| GrNAC69 | Nuclear protein     | Nuclear protein       |
| GrNAC70 | Nuclear protein     | Cytoplasmic protein   |
| GrNAC71 | Nuclear protein     | Nuclear protein       |
| GrNAC72 | Peroxisomal protein | Nuclear protein       |
| GrNAC73 | Chloroplast protein | Nuclear protein       |
| GrNAC74 | Nuclear protein     | Nuclear protein       |
| GrNAC75 | Nuclear protein     | Nuclear protein       |
| GrNAC76 | Nuclear protein     | Nuclear protein       |
| GrNAC77 | Cytoplasmic protein | Nuclear protein       |
| GrNAC78 | Nuclear protein     | Nuclear protein       |
| GrNAC79 | Nuclear protein     | Nuclear protein       |
| GrNAC80 | Nuclear protein     | Nuclear protein       |
| GrNAC81 | Nuclear protein     | Nuclear protein       |
| GrNAC82 | Nuclear protein     | Nuclear protein       |
| GrNAC83 | Nuclear protein     | Nuclear protein       |
| GrNAC84 | Nuclear protein     | Nuclear protein       |
| GrNAC85 | Nuclear protein     | Nuclear protein       |

|          |                     |                       |
|----------|---------------------|-----------------------|
| GrNAC86  | Vacuolar protein    | Nuclear protein       |
| GrNAC87  | Nuclear protein     | Nuclear protein       |
| GrNAC88  | Nuclear protein     | Nuclear protein       |
| GrNAC89  | Chloroplast protein | Nuclear protein       |
| GrNAC90  | Nuclear protein     | Nuclear protein       |
| GrNAC91  | Nuclear protein     | Nuclear protein       |
| GrNAC92  | Nuclear protein     | Nuclear protein       |
| GrNAC93  | Nuclear protein     | Nuclear protein       |
| GrNAC94  | Nuclear protein     | Nuclear protein       |
| GrNAC95  | Nuclear protein     | Nuclear protein       |
| GrNAC96  | Nuclear protein     | Cytoplasmic protein   |
| GrNAC97  | Peroxisomal protein | Nuclear protein       |
| GrNAC98  | Nuclear protein     | Nuclear protein       |
| GrNAC99  | Nuclear protein     | Nuclear protein       |
| GrNAC100 | Cytoplasmic protein | Cytoplasmic protein   |
| GrNAC101 | Cytoplasmic protein | Cytoplasmic protein   |
| GrNAC102 | Golgi protein       | Nuclear protein       |
| GrNAC103 | Nuclear protein     | Nuclear protein       |
| GrNAC104 | Nuclear protein     | Nuclear protein       |
| GrNAC105 | Nuclear protein     | Nuclear protein       |
| GrNAC106 | Nuclear protein     | Nuclear protein       |
| GrNAC107 | Cytoplasmic protein | Extracellular protein |
| GrNAC108 | Nuclear protein     | Nuclear protein       |
| GrNAC109 | Nuclear protein     | Mitochondrial protein |
| GrNAC110 | Nuclear protein     | Cytoplasmic protein   |
| GrNAC111 | Nuclear protein     | Nuclear protein       |
| GrNAC112 | Nuclear protein     | Nuclear protein       |
| GrNAC113 | Nuclear protein     | Nuclear protein       |
| GrNAC114 | Nuclear protein     | Nuclear protein       |
| GrNAC115 | Nuclear protein     | Nuclear protein       |
| GrNAC116 | Nuclear protein     | Nuclear protein       |
| GrNAC117 | Nuclear protein     | Nuclear protein       |
| GrNAC118 | Nuclear protein     | Nuclear protein       |
| GrNAC119 | Nuclear protein     | Nuclear protein       |
| GrNAC120 | Nuclear protein     | Nuclear protein       |
| GrNAC121 | Nuclear protein     | Nuclear protein       |
| GrNAC122 | Nuclear protein     | Nuclear protein       |
| GrNAC123 | Nuclear protein     | Nuclear protein       |
| GrNAC124 | Cytoplasmic protein | Nuclear protein       |
| GrNAC125 | Nuclear protein     | Nuclear protein       |
| GrNAC126 | Nuclear protein     | Nuclear protein       |
| GrNAC127 | Nuclear protein     | Nuclear protein       |
| GrNAC128 | Nuclear protein     | Nuclear protein       |
| GrNAC129 | Nuclear protein     | Nuclear protein       |

|          |                       |                       |
|----------|-----------------------|-----------------------|
| GrNAC130 | Cytoplasmic protein   | Extracellular protein |
| GrNAC131 | Nuclear protein       | Nuclear protein       |
| GrNAC132 | Nuclear protein       | Cytoplasmic protein   |
| GrNAC133 | Mitochondrial protein | Nuclear protein       |
| GrNAC134 | Nuclear protein       | Nuclear protein       |
| GrNAC135 | Nuclear protein       | Nuclear protein       |
| GrNAC136 | Nuclear protein       | Nuclear protein       |
| GrNAC137 | Nuclear protein       | Nuclear protein       |
| GrNAC138 | Nuclear protein       | Nuclear protein       |
| GrNAC139 | Nuclear protein       | Nuclear protein       |
| GrNAC140 | Nuclear protein       | Nuclear protein       |
| GrNAC141 | Nuclear protein       | Extracellular protein |
| GrNAC142 | Nuclear protein       | Nuclear protein       |
| GaNAC1   | Nuclear protein       | Nuclear protein       |
| GaNAC2   | Cytoplasmic protein   | Nuclear protein       |
| GaNAC3   | Nuclear protein       | Nuclear protein       |
| GaNAC4   | Nuclear protein       | Nuclear protein       |
| GaNAC5   | Nuclear protein       | Nuclear protein       |
| GaNAC6   | Cytoplasmic protein   | Cytoplasmic protein   |
| GaNAC7   | Cytoplasmic protein   | Nuclear protein       |
| GaNAC8   | Nuclear protein       | Nuclear protein       |
| GaNAC9   | Nuclear protein       | Nuclear protein       |
| GaNAC10  | Cytoplasmic protein   | Cytoplasmic protein   |
| GaNAC11  | Nuclear protein       | Nuclear protein       |
| GaNAC12  | Nuclear protein       | Cytoplasmic protein   |
| GaNAC13  | Chloroplast protein   | Cytoplasmic protein   |
| GaNAC14  | Nuclear protein       | Nuclear protein       |
| GaNAC15  | Chloroplast protein   | Nuclear protein       |
| GaNAC16  | Nuclear protein       | Nuclear protein       |
| GaNAC17  | Nuclear protein       | Cytoplasmic protein   |
| GaNAC18  | Cytoplasmic protein   | Nuclear protein       |
| GaNAC19  | Chloroplast protein   | Nuclear protein       |
| GaNAC20  | Nuclear protein       | Nuclear protein       |
| GaNAC21  | Nuclear protein       | Nuclear protein       |
| GaNAC22  | Nuclear protein       | Nuclear protein       |
| GaNAC23  | Extracellular protein | Cytoplasmic protein   |
| GaNAC24  | Cytoplasmic protein   | Nuclear protein       |
| GaNAC25  | Cytoplasmic protein   | Cytoplasmic protein   |
| GaNAC26  | Cytoplasmic protein   | Cytoplasmic protein   |
| GaNAC27  | Cytoplasmic protein   | Nuclear protein       |
| GaNAC28  | Nuclear protein       | Nuclear protein       |
| GaNAC29  | Nuclear protein       | Nuclear protein       |
| GaNAC30  | Chloroplast protein   | Nuclear protein       |
| GaNAC31  | Nuclear protein       | Nuclear protein       |

|         |                     |                       |
|---------|---------------------|-----------------------|
| GaNAC32 | Nuclear protein     | Nuclear protein       |
| GaNAC33 | Nuclear protein     | Nuclear protein       |
| GaNAC34 | Nuclear protein     | Nuclear protein       |
| GaNAC35 | Chloroplast protein | Nuclear protein       |
| GaNAC36 | Nuclear protein     | Nuclear protein       |
| GaNAC37 | Nuclear protein     | Nuclear protein       |
| GaNAC38 | Nuclear protein     | Nuclear protein       |
| GaNAC39 | Nuclear protein     | Nuclear protein       |
| GaNAC40 | Nuclear protein     | Nuclear protein       |
| GaNAC41 | Chloroplast protein | Nuclear protein       |
| GaNAC42 | Nuclear protein     | Nuclear protein       |
| GaNAC43 | Nuclear protein     | Nuclear protein       |
| GaNAC44 | Nuclear protein     | Nuclear protein       |
| GaNAC45 | Cytoplasmic protein | Cytoplasmic protein   |
| GaNAC46 | Nuclear protein     | Nuclear protein       |
| GaNAC47 | Nuclear protein     | Nuclear protein       |
| GaNAC48 | Nuclear protein     | Nuclear protein       |
| GaNAC49 | Nuclear protein     | Nuclear protein       |
| GaNAC50 | Nuclear protein     | Periplasmic protein   |
| GaNAC51 | Cytoplasmic protein | Cytoplasmic protein   |
| GaNAC52 | Nuclear protein     | Nuclear protein       |
| GaNAC53 | Nuclear protein     | Extracellular protein |
| GaNAC54 | Nuclear protein     | Nuclear protein       |
| GaNAC55 | Chloroplast protein | Nuclear protein       |
| GaNAC56 | Nuclear protein     | Extracellular protein |
| GaNAC57 | Nuclear protein     | Cytoplasmic protein   |
| GaNAC58 | Nuclear protein     | Nuclear protein       |
| GaNAC59 | Nuclear protein     | Extracellular protein |
| GaNAC60 | Nuclear protein     | Nuclear protein       |
| GaNAC61 | Nuclear protein     | Nuclear protein       |
| GaNAC62 | Chloroplast protein | OuterMembrane protein |
| GaNAC63 | Nuclear protein     | Nuclear protein       |
| GaNAC64 | Nuclear protein     | Nuclear protein       |
| GaNAC65 | Nuclear protein     | Periplasmic protein   |
| GaNAC66 | Nuclear protein     | Nuclear protein       |
| GaNAC67 | Nuclear protein     | Nuclear protein       |
| GaNAC68 | Cytoplasmic protein | Extracellular protein |
| GaNAC69 | Nuclear protein     | Nuclear protein       |
| GaNAC70 | Nuclear protein     | Nuclear protein       |
| GaNAC71 | Nuclear protein     | Periplasmic protein   |
| GaNAC72 | Nuclear protein     | Nuclear protein       |
| GaNAC73 | Nuclear protein     | Nuclear protein       |
| GaNAC74 | Peroxisomal protein | Extracellular protein |
| GaNAC75 | Nuclear protein     | Chloroplast protein   |

|          |                       |                       |
|----------|-----------------------|-----------------------|
| GaNAC76  | Nuclear protein       | Nuclear protein       |
| GaNAC77  | Nuclear protein       | Extracellular protein |
| GaNAC78  | Nuclear protein       | Nuclear protein       |
| GaNAC79  | Nuclear protein       | Nuclear protein       |
| GaNAC80  | Nuclear protein       | Extracellular protein |
| GaNAC81  | Mitochondrial protein | Cytoplasmic protein   |
| GaNAC82  | Nuclear protein       | Nuclear protein       |
| GaNAC83  | Nuclear protein       | Periplasmic protein   |
| GaNAC84  | Peroxisomal protein   | Nuclear protein       |
| GaNAC85  | Nuclear protein       | Nuclear protein       |
| GaNAC86  | Nuclear protein       | Periplasmic protein   |
| GaNAC87  | Nuclear protein       | Nuclear protein       |
| GaNAC88  | Nuclear protein       | Nuclear protein       |
| GaNAC89  | Nuclear protein       | OuterMembrane protein |
| GaNAC90  | Nuclear protein       | Nuclear protein       |
| GaNAC91  | Nuclear protein       | Nuclear protein       |
| GaNAC92  | Nuclear protein       | Extracellular protein |
| GaNAC93  | Nuclear protein       | Nuclear protein       |
| GaNAC94  | Nuclear protein       | Nuclear protein       |
| GaNAC95  | Nuclear protein       | Periplasmic protein   |
| GaNAC96  | Nuclear protein       | Nuclear protein       |
| GaNAC97  | Nuclear protein       | Nuclear protein       |
| GaNAC98  | Nuclear protein       | Periplasmic protein   |
| GaNAC99  | Chloroplast protein   | Nuclear protein       |
| GaNAC100 | Nuclear protein       | Extracellular protein |
| GaNAC101 | Nuclear protein       | Extracellular protein |
| GaNAC102 | Nuclear protein       | Nuclear protein       |
| GaNAC103 | Nuclear protein       | Nuclear protein       |
| GaNAC104 | Cytoplasmic protein   | Periplasmic protein   |
| GaNAC105 | Extracellular protein | Cytoplasmic protein   |
| GaNAC106 | Chloroplast protein   | Nuclear protein       |
| GaNAC107 | Nuclear protein       | Periplasmic protein   |
| GaNAC108 | Nuclear protein       | Nuclear protein       |
| GaNAC109 | Nuclear protein       | Nuclear protein       |
| GaNAC110 | Nuclear protein       | Periplasmic protein   |
| GaNAC111 | Vacuolar protein      | Cytoplasmic protein   |
| GaNAC112 | Peroxisomal protein   | Nuclear protein       |
| GaNAC113 | Nuclear protein       | Extracellular protein |
| GaNAC114 | Nuclear protein       | Nuclear protein       |
| GaNAC115 | Nuclear protein       | Nuclear protein       |
| GaNAC116 | Nuclear protein       | Extracellular protein |
| GaNAC117 | Chloroplast protein   | Nuclear protein       |
| GaNAC118 | Nuclear protein       | Nuclear protein       |
| GaNAC119 | Nuclear protein       | Extracellular protein |

|          |                       |                        |
|----------|-----------------------|------------------------|
| GaNAC120 | Nuclear protein       | Nuclear protein        |
| GaNAC121 | Nuclear protein       | Cytoplasmic protein    |
| GaNAC122 | Nuclear protein       | OuterMembrane protein  |
| GaNAC123 | Nuclear protein       | Nuclear protein        |
| GaNAC124 | Nuclear protein       | Nuclear protein        |
| GaNAC125 | Nuclear protein       | Periplasmic protein    |
| GaNAC126 | Nuclear protein       | Nuclear protein        |
| GaNAC127 | Nuclear protein       | Nuclear protein        |
| GaNAC128 | Nuclear protein       | Periplasmic protein    |
| GaNAC129 | Nuclear protein       | Nuclear protein        |
| GaNAC130 | Nuclear protein       | Nuclear protein        |
| GaNAC131 | Cytoplasmic protein   | Extracellular protein  |
| GaNAC132 | Nuclear protein       | Nuclear protein        |
| GaNAC133 | Nuclear protein       | Nuclear protein        |
| GaNAC134 | Nuclear protein       | Periplasmic protein    |
| GaNAC135 | Nuclear protein       | Nuclear protein        |
| GaNAC136 | Nuclear protein       | Nuclear protein        |
| GaNAC137 | Nuclear protein       | Extracellular protein  |
| GaNAC138 | Nuclear protein       | Nuclear protein        |
| GaNAC139 | Nuclear protein       | Nuclear protein        |
| GaNAC140 | Nuclear protein       | Extracellular protein  |
| GaNAC141 | Nuclear protein       | Nuclear protein        |
| GaNAC142 | Nuclear protein       | Nuclear protein        |
| GhNAC1   | Mitochondrial protein | Cytoplasmic protein    |
| GhNAC2   | Nuclear protein       | Nuclear protein        |
| GhNAC3   | Nuclear protein       | Nuclear protein        |
| GhNAC4   | Nuclear protein       | Nuclear protein        |
| GhNAC5   | Cytoplasmic protein   | Nuclear protein        |
| GhNAC6   | Vacuolar protein      | Nuclear protein        |
| GhNAC7   | Nuclear protein       | Nuclear protein        |
| GhNAC8   | Nuclear protein       | Nuclear protein        |
| GhNAC9   | Chloroplast protein   | PlasmaMembrane protein |
| GhNAC10  | Cytoplasmic protein   | Nuclear protein        |
| GhNAC11  | Nuclear protein       | Mitochondrial protein  |
| GhNAC12  | Nuclear protein       | Nuclear protein        |
| GhNAC13  | Nuclear protein       | Nuclear protein        |
| GhNAC14  | Nuclear protein       | Nuclear protein        |
| GhNAC15  | Nuclear protein       | Nuclear protein        |
| GhNAC16  | Nuclear protein       | Nuclear protein        |
| GhNAC17  | Nuclear protein       | Nuclear protein        |
| GhNAC18  | Nuclear protein       | Nuclear protein        |
| GhNAC19  | Nuclear protein       | Nuclear protein        |
| GhNAC20  | Nuclear protein       | Nuclear protein        |
| GhNAC21  | Cytoplasmic protein   | Nuclear protein        |

|         |                           |                       |
|---------|---------------------------|-----------------------|
| GhNAC22 | Cytoplasmic protein       | Extracellular protein |
| GhNAC23 | Nuclear protein           | Nuclear protein       |
| GhNAC24 | Cytoplasmic protein       | Cytoplasmic protein   |
| GhNAC25 | Nuclear protein           | Nuclear protein       |
| GhNAC26 | Nuclear protein           | Nuclear protein       |
| GhNAC27 | Nuclear protein           | Nuclear protein       |
| GhNAC28 | Nuclear protein           | Nuclear protein       |
| GhNAC29 | Cytoplasmic protein       | Cytoplasmic protein   |
| GhNAC30 | Vacuolar protein          | Nuclear protein       |
| GhNAC31 | Nuclear protein           | Nuclear protein       |
| GhNAC32 | Nuclear protein           | Nuclear protein       |
| GhNAC33 | Nuclear protein           | Nuclear protein       |
| GhNAC34 | Integral membrane protein | Nuclear protein       |
| GhNAC35 | Cytoplasmic protein       | Cytoplasmic protein   |
| GhNAC36 | Nuclear protein           | Nuclear protein       |
| GhNAC37 | Nuclear protein           | Nuclear protein       |
| GhNAC38 | Peroxisomal protein       | Nuclear protein       |
| GhNAC39 | Nuclear protein           | Nuclear protein       |
| GhNAC40 | Nuclear protein           | Nuclear protein       |
| GhNAC41 | Nuclear protein           | Nuclear protein       |
| GhNAC42 | Nuclear protein           | Nuclear protein       |
| GhNAC43 | Cytoplasmic protein       | Mitochondrial protein |
| GhNAC44 | Nuclear protein           | Nuclear protein       |
| GhNAC45 | Nuclear protein           | Nuclear protein       |
| GhNAC46 | Nuclear protein           | Nuclear protein       |
| GhNAC47 | Nuclear protein           | Nuclear protein       |
| GhNAC48 | Nuclear protein           | Nuclear protein       |
| GhNAC49 | Nuclear protein           | Nuclear protein       |
| GhNAC50 | Nuclear protein           | Nuclear protein       |
| GhNAC51 | Nuclear protein           | Nuclear protein       |
| GhNAC52 | Nuclear protein           | Nuclear protein       |
| GhNAC53 | Nuclear protein           | Nuclear protein       |
| GhNAC54 | Nuclear protein           | Nuclear protein       |
| GhNAC55 | Nuclear protein           | Nuclear protein       |
| GhNAC56 | Nuclear protein           | Nuclear protein       |
| GhNAC57 | Nuclear protein           | Nuclear protein       |
| GhNAC58 | Nuclear protein           | Nuclear protein       |
| GhNAC59 | Nuclear protein           | Nuclear protein       |
| GhNAC60 | Nuclear protein           | Nuclear protein       |
| GhNAC61 | Nuclear protein           | Cytoplasmic protein   |
| GhNAC62 | Nuclear protein           | Nuclear protein       |
| GhNAC63 | Nuclear protein           | Nuclear protein       |
| GhNAC64 | Nuclear protein           | Nuclear protein       |
| GhNAC65 | Nuclear protein           | Nuclear protein       |

|          |                     |                       |
|----------|---------------------|-----------------------|
| GhNAC66  | Nuclear protein     | Nuclear protein       |
| GhNAC67  | Peroxisomal protein | Nuclear protein       |
| GhNAC68  | Nuclear protein     | Nuclear protein       |
| GhNAC69  | Nuclear protein     | Nuclear protein       |
| GhNAC70  | Nuclear protein     | Nuclear protein       |
| GhNAC71  | Nuclear protein     | Nuclear protein       |
| GhNAC72  | Nuclear protein     | Nuclear protein       |
| GhNAC73  | Nuclear protein     | Nuclear protein       |
| GhNAC74  | Cytoplasmic protein | Nuclear protein       |
| GhNAC75  | Nuclear protein     | Nuclear protein       |
| GhNAC76  | Nuclear protein     | Nuclear protein       |
| GhNAC77  | Cytoplasmic protein | Nuclear protein       |
| GhNAC78  | Peroxisomal protein | Nuclear protein       |
| GhNAC79  | Cytoplasmic protein | Nuclear protein       |
| GhNAC80  | Nuclear protein     | Nuclear protein       |
| GhNAC81  | Nuclear protein     | Nuclear protein       |
| GhNAC82  | Nuclear protein     | Nuclear protein       |
| GhNAC83  | Cytoplasmic protein | Cytoplasmic protein   |
| GhNAC84  | Nuclear protein     | Nuclear protein       |
| GhNAC85  | Nuclear protein     | Cytoplasmic protein   |
| GhNAC86  | Cytoplasmic protein | Nuclear protein       |
| GhNAC87  | Peroxisomal protein | Nuclear protein       |
| GhNAC88  | Nuclear protein     | Nuclear protein       |
| GhNAC89  | Nuclear protein     | Nuclear protein       |
| GhNAC90  | Cytoplasmic protein | Cytoplasmic protein   |
| GhNAC91  | Nuclear protein     | Nuclear protein       |
| GhNAC92  | Nuclear protein     | Nuclear protein       |
| GhNAC93  | Peroxisomal protein | Nuclear protein       |
| GhNAC94  | Nuclear protein     | Extracellular protein |
| GhNAC95  | Nuclear protein     | Nuclear protein       |
| GhNAC96  | Nuclear protein     | Nuclear protein       |
| GhNAC97  | Nuclear protein     | Nuclear protein       |
| GhNAC98  | Nuclear protein     | Nuclear protein       |
| GhNAC99  | Nuclear protein     | Extracellular protein |
| GhNAC100 | Chloroplast protein | Nuclear protein       |
| GhNAC101 | Nuclear protein     | Nuclear protein       |
| GhNAC102 | Nuclear protein     | Nuclear protein       |
| GhNAC103 | Nuclear protein     | Cytoplasmic protein   |
| GhNAC104 | Nuclear protein     | Nuclear protein       |
| GhNAC105 | Cytoplasmic protein | Nuclear protein       |
| GhNAC106 | Nuclear protein     | Nuclear protein       |
| GhNAC107 | Nuclear protein     | Mitochondrial protein |
| GhNAC108 | Nuclear protein     | Nuclear protein       |
| GhNAC109 | Nuclear protein     | Nuclear protein       |

|          |                           |                       |
|----------|---------------------------|-----------------------|
| GhNAC110 | Nuclear protein           | Nuclear protein       |
| GhNAC111 | Nuclear protein           | Nuclear protein       |
| GhNAC112 | Nuclear protein           | Nuclear protein       |
| GhNAC113 | Cytoplasmic protein       | Nuclear protein       |
| GhNAC114 | Nuclear protein           | Extracellular protein |
| GhNAC115 | Nuclear protein           | Cytoplasmic protein   |
| GhNAC116 | Nuclear protein           | Nuclear protein       |
| GhNAC117 | Nuclear protein           | Nuclear protein       |
| GhNAC118 | Cytoplasmic protein       | Cytoplasmic protein   |
| GhNAC119 | Cytoplasmic protein       | Nuclear protein       |
| GhNAC120 | Nuclear protein           | Extracellular protein |
| GhNAC121 | Cytoplasmic protein       | Nuclear protein       |
| GhNAC122 | Cytoplasmic protein       | Nuclear protein       |
| GhNAC123 | Nuclear protein           | Nuclear protein       |
| GhNAC124 | Nuclear protein           | Nuclear protein       |
| GhNAC125 | Nuclear protein           | Nuclear protein       |
| GhNAC126 | Nuclear protein           | Nuclear protein       |
| GhNAC127 | Nuclear protein           | Nuclear protein       |
| GhNAC128 | Nuclear protein           | Nuclear protein       |
| GhNAC129 | Nuclear protein           | Nuclear protein       |
| GhNAC130 | Nuclear protein           | Nuclear protein       |
| GhNAC131 | Nuclear protein           | Nuclear protein       |
| GhNAC132 | Nuclear protein           | Nuclear protein       |
| GhNAC133 | Nuclear protein           | Cytoplasmic protein   |
| GhNAC134 | Nuclear protein           | Nuclear protein       |
| GhNAC135 | Nuclear protein           | Nuclear protein       |
| GhNAC136 | Nuclear protein           | Nuclear protein       |
| GhNAC137 | Nuclear protein           | Nuclear protein       |
| GhNAC138 | Nuclear protein           | Nuclear protein       |
| GhNAC139 | Nuclear protein           | Nuclear protein       |
| GhNAC140 | Nuclear protein           | Nuclear protein       |
| GhNAC141 | Chloroplast protein       | Cytoplasmic protein   |
| GhNAC142 | Nuclear protein           | Nuclear protein       |
| GhNAC143 | Mitochondrial protein     | Nuclear protein       |
| GhNAC144 | Nuclear protein           | Nuclear protein       |
| GhNAC145 | Nuclear protein           | Nuclear protein       |
| GhNAC146 | Cytoplasmic protein       | Nuclear protein       |
| GhNAC147 | Chloroplast protein       | Nuclear protein       |
| GhNAC148 | Chloroplast protein       | Nuclear protein       |
| GhNAC149 | Nuclear protein           | Nuclear protein       |
| GhNAC150 | Integral membrane protein | Nuclear protein       |
| GhNAC151 | Nuclear protein           | Nuclear protein       |
| GhNAC152 | Nuclear protein           | Nuclear protein       |
| GhNAC153 | Nuclear protein           | Nuclear protein       |

|          |                     |                       |
|----------|---------------------|-----------------------|
| GhNAC154 | Nuclear protein     | Nuclear protein       |
| GhNAC155 | Cytoplasmic protein | Nuclear protein       |
| GhNAC156 | Nuclear protein     | Nuclear protein       |
| GhNAC157 | Nuclear protein     | Nuclear protein       |
| GhNAC158 | Nuclear protein     | Nuclear protein       |
| GhNAC159 | Nuclear protein     | Nuclear protein       |
| GhNAC160 | Nuclear protein     | Nuclear protein       |
| GhNAC161 | Nuclear protein     | Nuclear protein       |
| GhNAC162 | Nuclear protein     | Nuclear protein       |
| GhNAC163 | Cytoplasmic protein | Nuclear protein       |
| GhNAC164 | Nuclear protein     | Nuclear protein       |
| GhNAC165 | Nuclear protein     | Nuclear protein       |
| GhNAC166 | Chloroplast protein | Extracellular protein |
| GhNAC167 | Nuclear protein     | Cytoplasmic protein   |
| GhNAC168 | Cytoplasmic protein | Nuclear protein       |
| GhNAC169 | Nuclear protein     | Mitochondrial protein |
| GhNAC170 | Nuclear protein     | Nuclear protein       |
| GhNAC171 | Cytoplasmic protein | Cytoplasmic protein   |
| GhNAC172 | Nuclear protein     | Nuclear protein       |
| GhNAC173 | Chloroplast protein | Nuclear protein       |
| GhNAC174 | Nuclear protein     | Nuclear protein       |
| GhNAC175 | Nuclear protein     | Nuclear protein       |
| GhNAC176 | Nuclear protein     | Nuclear protein       |
| GhNAC177 | Nuclear protein     | Nuclear protein       |
| GhNAC178 | Nuclear protein     | Nuclear protein       |
| GhNAC179 | Nuclear protein     | Nuclear protein       |
| GhNAC180 | Nuclear protein     | Nuclear protein       |
| GhNAC181 | Chloroplast protein | Nuclear protein       |
| GhNAC182 | Nuclear protein     | Nuclear protein       |
| GhNAC183 | Nuclear protein     | Nuclear protein       |
| GhNAC184 | Nuclear protein     | Nuclear protein       |
| GhNAC185 | Nuclear protein     | Nuclear protein       |
| GhNAC186 | Nuclear protein     | Nuclear protein       |
| GhNAC187 | Nuclear protein     | Nuclear protein       |
| GhNAC188 | Vacuolar protein    | Cytoplasmic protein   |
| GhNAC189 | Cytoplasmic protein | Cytoplasmic protein   |
| GhNAC190 | Nuclear protein     | Nuclear protein       |
| GhNAC191 | Nuclear protein     | Extracellular protein |
| GhNAC192 | Nuclear protein     | Nuclear protein       |
| GhNAC193 | Nuclear protein     | Nuclear protein       |
| GhNAC194 | Nuclear protein     | Nuclear protein       |
| GhNAC195 | Nuclear protein     | Nuclear protein       |
| GhNAC196 | Nuclear protein     | Nuclear protein       |
| GhNAC197 | Cytoplasmic protein | Nuclear protein       |

|          |                 |                       |
|----------|-----------------|-----------------------|
| GhNAC198 | Nuclear protein | Extracellular protein |
| GhNAC199 | Nuclear protein | Nuclear protein       |
| GhNAC200 | Nuclear protein | Nuclear protein       |
| GhNAC201 | Nuclear protein | Nuclear protein       |
| GhNAC202 | Nuclear protein | Nuclear protein       |
| GhNAC203 | Nuclear protein | Nuclear protein       |
| GhNAC204 | Nuclear protein | Nuclear protein       |
| GhNAC205 | Nuclear protein | Nuclear protein       |
| GhNAC206 | Nuclear protein | Nuclear protein       |
| GhNAC207 | Nuclear protein | Nuclear protein       |
| GhNAC208 | Nuclear protein | Nuclear protein       |
| GhNAC209 | Nuclear protein | Nuclear protein       |
| GhNAC210 | Nuclear protein | Nuclear protein       |
| GhNAC211 | Nuclear protein | Nuclear protein       |

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**TABLE S6** Genomic locations of NAC genes in *G.raimondii*, *G.arboreum* and *G.hirsutum*.

| Name    | Chromosome  | Start (bp) | End (bp) | Subfamily |
|---------|-------------|------------|----------|-----------|
| GrNAC1  | scaffold523 | 18607      | 20782    | ATAF      |
| GrNAC2  | DD08        | 19446506   | 19449470 | ONAC003   |
| GrNAC3  | scaffold427 | 207831     | 210957   | ONAC022   |
| GrNAC4  | scaffold424 | 140069     | 145461   | ONAC022   |
| GrNAC5  | scaffold398 | 23287      | 24644    | ONAC022   |
| GrNAC6  | DD05        | 35767759   | 35770302 | SENU5     |
| GrNAC7  | DD11        | 42931041   | 42931997 | No group  |
| GrNAC8  | scaffold336 | 402980     | 404984   | NAM       |
| GrNAC9  | DD05        | 5193668    | 5195087  | OsNAC7    |
| GrNAC10 | scaffold349 | 325918     | 327492   | AtNAC3    |
| GrNAC11 | scaffold349 | 381611     | 383493   | NAP       |
| GrNAC12 | scaffold385 | 245120     | 248463   | No group  |
| GrNAC13 | DD08        | 19041902   | 19043723 | NAM       |
| GrNAC14 | DD08        | 30696835   | 30700915 | No group  |
| GrNAC15 | DD10        | 48276683   | 48277373 | No group  |
| GrNAC16 | DD13        | 13658888   | 13660938 | NAP       |
| GrNAC17 | scaffold370 | 358351     | 362994   | No group  |
| GrNAC18 | scaffold370 | 421612     | 422391   | No group  |
| GrNAC19 | DD04        | 1467712    | 1471997  | OsNAC7    |
| GrNAC20 | DD04        | 23789102   | 23792926 | ANAC011   |
| GrNAC21 | scaffold285 | 124061     | 128984   | NAC2      |
| GrNAC22 | DD11        | 13836892   | 13838992 | No group  |
| GrNAC23 | DD08        | 20485845   | 20487089 | NAP       |
| GrNAC24 | scaffold141 | 555239     | 556329   | OsNAC7    |
| GrNAC25 | DD10        | 14336080   | 14337130 | No group  |
| GrNAC26 | DD11        | 39765702   | 39769804 | NAC2      |
| GrNAC27 | scaffold136 | 248497     | 249907   | OsNAC7    |
| GrNAC28 | DD03        | 1768060    | 1770029  | OsNAC7    |
| GrNAC29 | DD03        | 551984     | 554250   | ANAC011   |
| GrNAC30 | DD01        | 6883547    | 6884703  | ONAC022   |
| GrNAC31 | DD06        | 41679482   | 41681413 | ANAC011   |
| GrNAC32 | DD11        | 10477387   | 10478014 | No group  |
| GrNAC33 | DD03        | 25539214   | 25540841 | No group  |
| GrNAC34 | DD06        | 4903122    | 4905091  | ONAC003   |
| GrNAC35 | DD12        | 19206632   | 19207328 | No group  |
| GrNAC36 | scaffold214 | 810487     | 813956   | TIP       |
| GrNAC37 | DD06        | 43211222   | 43213361 | TIP       |
| GrNAC38 | DD07        | 823559     | 825297   | NAM       |
| GrNAC39 | DD01        | 4631377    | 4632919  | No group  |
| GrNAC40 | scaffold224 | 1242876    | 1247919  | NAC1      |
| GrNAC41 | DD12        | 6946131    | 6947831  | SENU5     |
| GrNAC42 | DD01        | 32995624   | 32998901 | ANAC011   |

|         |             |          |          |          |
|---------|-------------|----------|----------|----------|
| GrNAC43 | DD01        | 33008607 | 33009812 | OsNAC7   |
| GrNAC44 | DD01        | 33177700 | 33179063 | ONAC022  |
| GrNAC45 | DD01        | 33188004 | 33189085 | ONAC022  |
| GrNAC46 | DD01        | 33194754 | 33195918 | ONAC022  |
| GrNAC47 | DD06        | 43331208 | 43332631 | OsNAC7   |
| GrNAC48 | DD06        | 32694289 | 32695151 | TERN     |
| GrNAC49 | DD06        | 32761230 | 32762686 | OsNAC8   |
| GrNAC50 | DD08        | 34364388 | 34365740 | OsNAC7   |
| GrNAC51 | DD08        | 7069518  | 7074605  | TIP      |
| GrNAC52 | DD08        | 7167399  | 7168740  | OsNAC7   |
| GrNAC53 | DD07        | 54120905 | 54123143 | TIP      |
| GrNAC54 | DD08        | 21174074 | 21174844 | No group |
| GrNAC55 | DD08        | 21962301 | 21965258 | No group |
| GrNAC56 | DD08        | 22413298 | 22414382 | No group |
| GrNAC57 | DD05        | 42360912 | 42362623 | No group |
| GrNAC58 | DD13        | 15174710 | 15177101 | ANAC011  |
| GrNAC59 | DD09        | 42650266 | 42651461 | NAP      |
| GrNAC60 | DD09        | 42571526 | 42573614 | AtNAC3   |
| GrNAC61 | scaffold132 | 1569562  | 1570980  | OsNAC7   |
| GrNAC62 | DD12        | 21837258 | 21838067 | No group |
| GrNAC63 | DD12        | 21626462 | 21629282 | ATAF     |
| GrNAC64 | DD05        | 4323141  | 4326047  | No group |
| GrNAC65 | DD06        | 22373332 | 22376861 | NAP      |
| GrNAC66 | DD02        | 35017903 | 35019654 | ONAC022  |
| GrNAC67 | DD11        | 44405926 | 44407205 | No group |
| GrNAC68 | DD11        | 44417086 | 44421233 | No group |
| GrNAC69 | DD11        | 44655323 | 44656617 | No group |
| GrNAC70 | DD11        | 44671055 | 44672296 | No group |
| GrNAC71 | DD02        | 2614449  | 2615825  | TERN     |
| GrNAC72 | DD02        | 3092548  | 3096211  | NAC1     |
| GrNAC73 | DD04        | 8916328  | 8919435  | TIP      |
| GrNAC74 | DD01        | 30607437 | 30611829 | ANAC011  |
| GrNAC75 | DD01        | 614143   | 615829   | No group |
| GrNAC76 | DD01        | 622491   | 624491   | No group |
| GrNAC77 | DD01        | 636108   | 637166   | No group |
| GrNAC78 | DD01        | 637594   | 639424   | No group |
| GrNAC79 | DD01        | 642353   | 644449   | No group |
| GrNAC80 | DD09        | 29877369 | 29881659 | No group |
| GrNAC81 | scaffold149 | 2456784  | 2458547  | NAM      |
| GrNAC82 | DD01        | 23852587 | 23855805 | ONAC022  |
| GrNAC83 | DD08        | 11642561 | 11643800 | OsNAC7   |
| GrNAC84 | DD08        | 12488564 | 12489946 | ANAC011  |
| GrNAC85 | DD06        | 3551727  | 3554127  | No group |
| GrNAC86 | DD09        | 33294580 | 33298447 | No group |

|          |            |          |          |          |
|----------|------------|----------|----------|----------|
| GrNAC87  | DD09       | 33324003 | 33328221 | NAC2     |
| GrNAC88  | DD12       | 10758005 | 10759260 | NAP      |
| GrNAC89  | DD01       | 11350742 | 11355326 | NAC1     |
| GrNAC90  | DD01       | 21588250 | 21589089 | TERN     |
| GrNAC91  | DD01       | 16516147 | 16517568 | OsNAC7   |
| GrNAC92  | DD01       | 16871349 | 16874497 | No group |
| GrNAC93  | DD02       | 36680837 | 36682300 | No group |
| GrNAC94  | DD05       | 37547737 | 37549110 | No group |
| GrNAC95  | DD13       | 26829030 | 26830440 | No group |
| GrNAC96  | DD13       | 27220018 | 27220737 | No group |
| GrNAC97  | DD08       | 4809111  | 4812549  | NAC1     |
| GrNAC98  | DD08       | 5377884  | 5380239  | No group |
| GrNAC99  | DD03       | 10418387 | 10419718 | OsNAC7   |
| GrNAC100 | DD11       | 2317890  | 2318835  | NAP      |
| GrNAC101 | scaffold84 | 3303775  | 3304287  | ONAC022  |
| GrNAC102 | DD09       | 11006055 | 11009206 | OsNAC8   |
| GrNAC103 | DD09       | 13329161 | 13330760 | OsNAC7   |
| GrNAC104 | DD10       | 43487102 | 43488952 | No group |
| GrNAC105 | DD07       | 49701005 | 49702174 | NAM      |
| GrNAC106 | DD07       | 50076824 | 50082881 | ONAC003  |
| GrNAC107 | DD07       | 50815838 | 50817800 | No group |
| GrNAC108 | DD07       | 52082867 | 52084474 | OsNAC7   |
| GrNAC109 | DD07       | 52398635 | 52399279 | No group |
| GrNAC110 | DD07       | 52804748 | 52805927 | NAM      |
| GrNAC111 | DD07       | 53281543 | 53283054 | ANAC011  |
| GrNAC112 | DD13       | 24124865 | 24126196 | ONAC022  |
| GrNAC113 | DD09       | 20304294 | 20306087 | ONAC003  |
| GrNAC114 | DD09       | 20706068 | 20707256 | NAP      |
| GrNAC115 | DD09       | 21860375 | 21863001 | No group |
| GrNAC116 | DD09       | 23405269 | 23407026 | ANAC063  |
| GrNAC117 | DD07       | 32802328 | 32804256 | OsNAC7   |
| GrNAC118 | DD07       | 34191535 | 34194611 | ANAC011  |
| GrNAC119 | DD08       | 29060608 | 29062123 | ONAC003  |
| GrNAC120 | DD10       | 35972793 | 35974826 | No group |
| GrNAC121 | DD09       | 37600464 | 37601810 | TERN     |
| GrNAC122 | DD07       | 44187728 | 44189216 | OsNAC7   |
| GrNAC123 | DD07       | 44409047 | 44410820 | No group |
| GrNAC124 | DD07       | 44412989 | 44414940 | No group |
| GrNAC125 | DD06       | 28834871 | 28836078 | No group |
| GrNAC126 | DD09       | 4427421  | 4430027  | ONAC003  |
| GrNAC127 | DD08       | 59803660 | 59805145 | ANAC011  |
| GrNAC128 | DD05       | 17484576 | 17486704 | NAP      |
| GrNAC129 | DD05       | 18338937 | 18340288 | ONAC022  |
| GrNAC130 | DD08       | 65567916 | 65568556 | No group |

|          |      |           |           |          |
|----------|------|-----------|-----------|----------|
| GrNAC131 | DD10 | 11076771  | 11081152  | ONAC003  |
| GrNAC132 | DD05 | 9663934   | 9666068   | ATAF     |
| GrNAC133 | DD10 | 19965112  | 19966728  | NAM      |
| GrNAC134 | DD07 | 14962361  | 14964144  | NAP      |
| GrNAC135 | DD07 | 14221860  | 14223937  | NAM      |
| GrNAC136 | DD07 | 11707619  | 11709759  | NAM      |
| GrNAC137 | DD07 | 11651526  | 11654152  | NAP      |
| GrNAC138 | DD06 | 16916975  | 16918370  | NAM      |
| GrNAC139 | DD08 | 42468606  | 42470636  | OsNAC7   |
| GrNAC140 | DD10 | 34648233  | 34649284  | ONAC022  |
| GrNAC141 | DD10 | 29163833  | 29165261  | ONAC003  |
| GrNAC142 | DD10 | 25489422  | 25490392  | NAP      |
| GaNAC1   | AA07 | 38796850  | 38800358  | No group |
| GaNAC2   | AA07 | 39244251  | 39245326  | No group |
| GaNAC3   | AA05 | 8782518   | 8783751   | No group |
| GaNAC4   | AA13 | 72659117  | 72660522  | No group |
| GaNAC5   | AA13 | 72865884  | 72866692  | No group |
| GaNAC6   | AA01 | 134813812 | 134815763 | No group |
| GaNAC7   | AA01 | 135231885 | 135233924 | OsNAC7   |
| GaNAC8   | AA11 | 79945697  | 79946898  | No group |
| GaNAC9   | AA06 | 28949406  | 28950373  | No group |
| GaNAC10  | AA06 | 29304653  | 29305334  | OsNAC7   |
| GaNAC11  | AA13 | 128581627 | 128584049 | ANAC011  |
| GaNAC12  | AA11 | 21973017  | 21973797  | TIP      |
| GaNAC13  | AA11 | 21969745  | 21971699  | TIP      |
| GaNAC14  | AA08 | 96914418  | 96919026  | ANAC011  |
| GaNAC15  | AA09 | 72325006  | 72329547  | NAC1     |
| GaNAC16  | AA01 | 66529160  | 66530250  | OsNAC7   |
| GaNAC17  | AA09 | 61938175  | 61939120  | NAP      |
| GaNAC18  | AA05 | 25454953  | 25456821  | No group |
| GaNAC19  | AA05 | 25252224  | 25253312  | No group |
| GaNAC20  | AA06 | 106538088 | 106539610 | ONAC003  |
| GaNAC21  | AA06 | 105220071 | 105223072 | No group |
| GaNAC22  | AA10 | 19703687  | 19706168  | No group |
| GaNAC23  | AA07 | 14050164  | 14050856  | No group |
| GaNAC24  | AA03 | 89510562  | 89512144  | No group |
| GaNAC25  | AA12 | 48470419  | 48473940  | ONAC022  |
| GaNAC26  | AA03 | 40961402  | 40962292  | No group |
| GaNAC27  | AA03 | 40022239  | 40024990  | OsNAC7   |
| GaNAC28  | AA03 | 39915872  | 39919052  | ANAC011  |
| GaNAC29  | AA03 | 39904263  | 39905455  | OsNAC7   |
| GaNAC30  | AA12 | 94506529  | 94510351  | NAC2     |
| GaNAC31  | AA06 | 68304952  | 68306008  | NAP      |
| GaNAC32  | AA07 | 91804306  | 91806510  | NAM      |

|         |      |           |           |          |
|---------|------|-----------|-----------|----------|
| GaNAC33 | AA07 | 90838807  | 90840038  | AtNAC3   |
| GaNAC34 | AA07 | 90755195  | 90756412  | NAP      |
| GaNAC35 | AA07 | 115428614 | 115430494 | ANAC063  |
| GaNAC36 | AA06 | 74392190  | 74393447  | OsNAC7   |
| GaNAC37 | AA09 | 49645246  | 49646251  | No group |
| GaNAC38 | AA06 | 50563859  | 50565484  | ANAC011  |
| GaNAC39 | AA11 | 63168505  | 63170698  | TIP      |
| GaNAC40 | AA11 | 63284750  | 63286163  | OsNAC7   |
| GaNAC41 | AA10 | 17176312  | 17178497  | No group |
| GaNAC42 | AA05 | 52700475  | 52703383  | No group |
| GaNAC43 | AA13 | 44395362  | 44396816  | ANAC011  |
| GaNAC44 | AA08 | 59626428  | 59630363  | ONAC003  |
| GaNAC45 | AA04 | 55219777  | 55220823  | No group |
| GaNAC46 | AA01 | 106229226 | 106230158 | TERN     |
| GaNAC47 | AA08 | 20627817  | 20629042  | SENU5    |
| GaNAC48 | AA08 | 20671327  | 20672479  | SENU5    |
| GaNAC49 | AA02 | 66461535  | 66462876  | TERN     |
| GaNAC50 | AA10 | 19105833  | 19107638  | ONAC003  |
| GaNAC51 | AA06 | 77076903  | 77077520  | OsNAC7   |
| GaNAC52 | AA03 | 37862931  | 37866926  | ANAC011  |
| GaNAC53 | AA07 | 87959835  | 87961286  | No group |
| GaNAC54 | AA11 | 61920414  | 61922290  | ANAC011  |
| GaNAC55 | AA03 | 12598977  | 12600718  | ANAC011  |
| GaNAC56 | AA06 | 15727862  | 15729203  | OsNAC7   |
| GaNAC57 | AA06 | 99596159  | 99601807  | NAM      |
| GaNAC58 | AA10 | 97328410  | 97336345  | No group |
| GaNAC59 | AA10 | 110547688 | 110548894 | NAP      |
| GaNAC60 | AA10 | 110618671 | 110620323 | AtNAC3   |
| GaNAC61 | AA08 | 15378997  | 15380755  | ANAC063  |
| GaNAC62 | AA10 | 70846339  | 70849476  | OsNAC8   |
| GaNAC63 | AA12 | 123497903 | 123500989 | No group |
| GaNAC64 | AA01 | 128686787 | 128688331 | No group |
| GaNAC65 | AA04 | 57251943  | 57253112  | NAM      |
| GaNAC66 | AA04 | 137181348 | 137182861 | OsNAC7   |
| GaNAC67 | AA04 | 136879163 | 136880907 | No group |
| GaNAC68 | AA04 | 136846462 | 136848414 | No group |
| GaNAC69 | AA06 | 33207788  | 33208575  | No group |
| GaNAC70 | AA13 | 66974533  | 66976275  | ONAC022  |
| GaNAC71 | AA08 | 45570146  | 45571677  | ATAF     |
| GaNAC72 | AA13 | 111510815 | 111512855 | NAM      |
| GaNAC73 | AA13 | 112537381 | 112538632 | NAP      |
| GaNAC74 | AA07 | 110873497 | 110875760 | OsNAC7   |
| GaNAC75 | AA04 | 134098620 | 134100349 | NAM      |
| GaNAC76 | AA09 | 30748743  | 30752613  | TIP      |

|          |      |           |           |          |
|----------|------|-----------|-----------|----------|
| GaNAC77  | AA08 | 58058041  | 58061699  | ONAC003  |
| GaNAC78  | AA04 | 47812133  | 47813511  | NAM      |
| GaNAC79  | AA04 | 47749278  | 47750895  | NAP      |
| GaNAC80  | AA03 | 91578452  | 91579864  | OsNAC7   |
| GaNAC81  | AA04 | 85324573  | 85325208  | OsNAC7   |
| GaNAC82  | AA12 | 44005068  | 44006224  | ONAC022  |
| GaNAC83  | AA04 | 56378466  | 56380835  | ONAC003  |
| GaNAC84  | AA03 | 1695717   | 1699103   | NAC1     |
| GaNAC85  | AA08 | 63618599  | 63620427  | No group |
| GaNAC86  | AA01 | 99180845  | 99181754  | No group |
| GaNAC87  | AA07 | 110625482 | 110627803 | ANAC011  |
| GaNAC88  | AA07 | 71951424  | 71953017  | OsNAC7   |
| GaNAC89  | AA13 | 34067654  | 34069020  | NAP      |
| GaNAC90  | AA05 | 19253822  | 19255214  | ONAC022  |
| GaNAC91  | AA05 | 19263347  | 19264430  | ONAC022  |
| GaNAC92  | AA05 | 19267591  | 19268771  | ONAC022  |
| GaNAC93  | AA12 | 128941829 | 128942775 | SENU5    |
| GaNAC94  | AA11 | 28289455  | 28293510  | No group |
| GaNAC95  | AA13 | 93689307  | 93690610  | No group |
| GaNAC96  | AA13 | 93890451  | 93891753  | No group |
| GaNAC97  | AA12 | 18083582  | 18084851  | No group |
| GaNAC98  | AA12 | 139034113 | 139035292 | ATAF     |
| GaNAC99  | AA11 | 82061767  | 82063188  | OsNAC8   |
| GaNAC100 | AA11 | 81989128  | 81989996  | TERN     |
| GaNAC101 | AA06 | 89764411  | 89765758  | OsNAC7   |
| GaNAC102 | AA05 | 18915612  | 18916926  | No group |
| GaNAC103 | AA13 | 67630552  | 67631498  | No group |
| GaNAC104 | AA13 | 67636007  | 67636966  | No group |
| GaNAC105 | AA13 | 108849254 | 108850186 | No group |
| GaNAC106 | AA01 | 31217817  | 31221934  | NAC1     |
| GaNAC107 | AA07 | 51584680  | 51585748  | NAP      |
| GaNAC108 | AA12 | 55623877  | 55625509  | No group |
| GaNAC109 | AA11 | 101999497 | 102001894 | No group |
| GaNAC110 | AA10 | 47042086  | 47045365  | NAC2     |
| GaNAC111 | AA10 | 47027657  | 47031166  | No group |
| GaNAC112 | AA01 | 73425629  | 73430008  | NAC1     |
| GaNAC113 | AA10 | 83927673  | 83930773  | ONAC022  |
| GaNAC114 | AA07 | 106666513 | 106671272 | No group |
| GaNAC115 | AA11 | 10802655  | 10804010  | ONAC022  |
| GaNAC116 | AA04 | 100671007 | 100672367 | OsNAC7   |
| GaNAC117 | AA06 | 62420244  | 62421319  | No group |
| GaNAC118 | AA09 | 24180680  | 24183960  | NAC2     |
| GaNAC119 | AA12 | 24058491  | 24059701  | NAP      |
| GaNAC120 | AA11 | 18703973  | 18709108  | ONAC022  |

|          |              |           |           |          |
|----------|--------------|-----------|-----------|----------|
| GaNAC121 | AA11         | 38870296  | 38871539  | ATAF     |
| GaNAC122 | AA03         | 48763376  | 48765712  | TIP      |
| GaNAC123 | AA01         | 68144390  | 68147039  | ONAC003  |
| GaNAC124 | AA09         | 77547336  | 77548289  | No group |
| GaNAC125 | AA13         | 96788700  | 96789987  | NAM      |
| GaNAC126 | AA11         | 92473027  | 92475658  | NAP      |
| GaNAC127 | AA13         | 11677129  | 11679821  | TIP      |
| GaNAC128 | AA10         | 63385531  | 63386720  | NAM      |
| GaNAC129 | AA11         | 101574624 | 101577789 | ONAC003  |
| GaNAC130 | AA08         | 101283142 | 101284571 | OsNAC7   |
| GaNAC131 | AA08         | 115936993 | 115938619 | NAM      |
| GaNAC132 | AA13         | 54389321  | 54390730  | OsNAC7   |
| GaNAC133 | AA12         | 59546705  | 59547847  | TERN     |
| GaNAC134 | AA06         | 42857750  | 42859086  | ONAC022  |
| GaNAC135 | AA11         | 22686782  | 22687972  | NAP      |
| GaNAC136 | AA08         | 104363190 | 104364241 | ONAC022  |
| GaNAC137 | AA10         | 105705297 | 105706727 | ONAC003  |
| GaNAC138 | AA03         | 50492674  | 50496954  | No group |
| GaNAC139 | AA08         | 2319168   | 2320434   | NAP      |
| GaNAC140 | AA13         | 138567858 | 138569163 | ONAC022  |
| GaNAC141 | AA06         | 102438224 | 102439647 | OsNAC7   |
| GaNAC142 | AA08         | 87769062  | 87770996  | No group |
| GhNAC1   | scaffold26.1 | 802451    | 803396    | NAP      |
| GhNAC2   | Dt03         | 10804784  | 10806380  | OsNAC7   |
| GhNAC3   | Dt03         | 17416915  | 17420804  | TIP      |
| GhNAC4   | Dt05         | 18192141  | 18193281  | SENU5    |
| GhNAC5   | Dt05         | 17072946  | 17074993  | OsNAC7   |
| GhNAC6   | Dt09         | 41090557  | 41092454  | TIP      |
| GhNAC7   | Dt05         | 7121212   | 7122439   | No group |
| GhNAC8   | Dt06         | 6570560   | 6572429   | ANAC011  |
| GhNAC9   | At09         | 42867893  | 42869653  | No group |
| GhNAC10  | Dt07         | 6580248   | 6580933   | OsNAC7   |
| GhNAC11  | Dt07         | 6930685   | 6931316   | No group |
| GhNAC12  | Dt07         | 7360261   | 7361444   | NAM      |
| GhNAC13  | Dt07         | 7859999   | 7861510   | ANAC011  |
| GhNAC14  | Dt05         | 13084713  | 13089023  | OsNAC7   |
| GhNAC15  | Dt05         | 13201920  | 13205091  | ANAC011  |
| GhNAC16  | Dt05         | 13220542  | 13221728  | OsNAC7   |
| GhNAC17  | Dt05         | 13435846  | 13437181  | ONAC022  |
| GhNAC18  | Dt05         | 13445309  | 13446392  | ONAC022  |
| GhNAC19  | Dt05         | 13449625  | 13450937  | ONAC022  |
| GhNAC20  | At08         | 75913882  | 75915226  | NAP      |
| GhNAC21  | scaffold56.1 | 47493     | 49038     | No group |
| GhNAC22  | Dt07         | 3292885   | 3293928   | No group |

|         |               |          |          |          |
|---------|---------------|----------|----------|----------|
| GhNAC23 | Dt07          | 4421250  | 4422419  | NAM      |
| GhNAC24 | At09          | 84935515 | 84937173 | ONAC022  |
| GhNAC25 | Dt05          | 51029009 | 51031911 | No group |
| GhNAC26 | Dt13          | 23877386 | 23878630 | NAP      |
| GhNAC27 | Dt13          | 23128200 | 23130274 | NAM      |
| GhNAC28 | Dt11          | 5062051  | 5065054  | No group |
| GhNAC29 | Dt11          | 5065345  | 5067167  | No group |
| GhNAC30 | Dt09          | 36686817 | 36690650 | NAC2     |
| GhNAC31 | scaffold280.1 | 69848    | 70810    | No group |
| GhNAC32 | scaffold280.1 | 537030   | 540030   | No group |
| GhNAC33 | Dt01          | 40072969 | 40077403 | ANAC011  |
| GhNAC34 | Dt07          | 18841508 | 18844585 | ANAC011  |
| GhNAC35 | At07          | 6197059  | 6198105  | No group |
| GhNAC36 | At07          | 7056340  | 7058221  | ONAC003  |
| GhNAC37 | At07          | 7424736  | 7426278  | NAM      |
| GhNAC38 | scaffold171.1 | 1620990  | 1624348  | NAC1     |
| GhNAC39 | scaffold42.1  | 1407742  | 1409085  | TERN     |
| GhNAC40 | Dt13          | 50548515 | 50549930 | No group |
| GhNAC41 | At09          | 54038986 | 54042135 | OsNAC8   |
| GhNAC42 | Dt08          | 40576670 | 40578184 | ONAC003  |
| GhNAC43 | At08          | 42194413 | 42195045 | No group |
| GhNAC44 | Dt08          | 44725569 | 44726626 | NAP      |
| GhNAC45 | Dt06          | 39501261 | 39504184 | ONAC003  |
| GhNAC46 | Dt06          | 13022312 | 13023520 | No group |
| GhNAC47 | scaffold246.1 | 427765   | 428956   | ONAC022  |
| GhNAC48 | scaffold246.1 | 431957   | 433034   | ONAC022  |
| GhNAC49 | scaffold246.1 | 442092   | 443468   | ONAC022  |
| GhNAC50 | scaffold246.1 | 642420   | 643628   | OsNAC7   |
| GhNAC51 | scaffold246.1 | 653635   | 656925   | ANAC011  |
| GhNAC52 | scaffold304.1 | 823705   | 827578   | TIP      |
| GhNAC53 | scaffold304.1 | 957135   | 958476   | OsNAC7   |
| GhNAC54 | Dt11          | 7297426  | 7298408  | No group |
| GhNAC55 | Dt11          | 7686008  | 7688098  | No group |
| GhNAC56 | Dt13          | 42607744 | 42608800 | NAP      |
| GhNAC57 | Dt13          | 8212709  | 8214185  | ANAC011  |
| GhNAC58 | At02          | 7741248  | 7743259  | NAM      |
| GhNAC59 | At07          | 11959745 | 11961047 | No group |
| GhNAC60 | Dt08          | 49402253 | 49403485 | ANAC011  |
| GhNAC61 | scaffold120.1 | 537943   | 538475   | ANAC011  |
| GhNAC62 | scaffold377.1 | 993115   | 994523   | OsNAC7   |
| GhNAC63 | At06          | 49063318 | 49064519 | No group |
| GhNAC64 | Dt06          | 18218180 | 18220778 | NAP      |
| GhNAC65 | At10          | 26941953 | 26943315 | NAM      |
| GhNAC66 | At10          | 26978352 | 26979980 | NAP      |

|          |                |          |          |          |
|----------|----------------|----------|----------|----------|
| GhNAC67  | At09           | 48615958 | 48619658 | NAC1     |
| GhNAC68  | Dt12           | 8141148  | 8142090  | SENU5    |
| GhNAC69  | Dt04           | 31615008 | 31618944 | ANAC011  |
| GhNAC70  | Dt08           | 45475968 | 45482922 | ONAC003  |
| GhNAC71  | Dt11           | 3597167  | 3598363  | NAP      |
| GhNAC72  | Dt07           | 24908295 | 24909385 | OsNAC7   |
| GhNAC73  | Dt06           | 5809930  | 5811353  | OsNAC7   |
| GhNAC74  | Dt06           | 5710218  | 5712357  | TIP      |
| GhNAC75  | Dt04           | 9540364  | 9543748  | No group |
| GhNAC76  | Dt09           | 4343006  | 4344204  | NAP      |
| GhNAC77  | scaffold238.1  | 870527   | 871881   | TERN     |
| GhNAC78  | At07           | 30766914 | 30770834 | NAC1     |
| GhNAC79  | Dt07           | 21731777 | 21732408 | OsNAC7   |
| GhNAC80  | Dt01           | 55156828 | 55159763 | No group |
| GhNAC81  | Dt01           | 55506619 | 55508037 | OsNAC7   |
| GhNAC82  | At06           | 5747770  | 5750165  | No group |
| GhNAC83  | Dt08           | 32473928 | 32474547 | OsNAC7   |
| GhNAC84  | Dt03           | 40989093 | 40990418 | OsNAC7   |
| GhNAC85  | At09           | 62829978 | 62831367 | ATAF     |
| GhNAC86  | Dt08           | 1221482  | 1222529  | No group |
| GhNAC87  | Dt13           | 12501153 | 12503117 | OsNAC7   |
| GhNAC88  | At13           | 17537663 | 17538914 | NAP      |
| GhNAC89  | At13           | 16606261 | 16608301 | NAM      |
| GhNAC90  | At09           | 59527628 | 59532065 | No group |
| GhNAC91  | At02           | 4983711  | 4984929  | AtNAC3   |
| GhNAC92  | At02           | 5058438  | 5059652  | NAP      |
| GhNAC93  | Dt02           | 42118042 | 42118909 | OsNAC7   |
| GhNAC94  | Dt02           | 42614718 | 42616174 | No group |
| GhNAC95  | At13           | 21672208 | 21673564 | NAP      |
| GhNAC96  | Dt04           | 13512221 | 13513630 | OsNAC7   |
| GhNAC97  | Dt05           | 2675998  | 2677358  | ONAC022  |
| GhNAC98  | Dt05           | 2677885  | 2679240  | ONAC022  |
| GhNAC99  | scaffold944.1  | 522541   | 526031   | No group |
| GhNAC100 | Dt09           | 53428860 | 53430932 | No group |
| GhNAC101 | At06           | 42330515 | 42333149 | NAP      |
| GhNAC102 | Dt09           | 54485378 | 54488004 | No group |
| GhNAC103 | At10           | 67551053 | 67552584 | ATAF     |
| GhNAC104 | At11           | 58136248 | 58137253 | No group |
| GhNAC105 | scaffold1588.1 | 176523   | 178555   | OsNAC7   |
| GhNAC106 | At05           | 8501297  | 8502550  | OsNAC7   |
| GhNAC107 | scaffold1227.1 | 260257   | 260987   | No group |
| GhNAC108 | scaffold1227.1 | 271878   | 272905   | No group |
| GhNAC109 | scaffold1227.1 | 275571   | 276814   | No group |
| GhNAC110 | scaffold854.1  | 98467    | 100729   | ANAC011  |

|          |                |          |          |          |
|----------|----------------|----------|----------|----------|
| GhNAC111 | At08           | 41668721 | 41669384 | No group |
| GhNAC112 | scaffold732.1  | 260229   | 261971   | ONAC022  |
| GhNAC113 | At06           | 46040186 | 46041643 | OsNAC8   |
| GhNAC114 | At06           | 45972154 | 45973022 | TERN     |
| GhNAC115 | Dt05           | 48560986 | 48562226 | ATAF     |
| GhNAC116 | scaffold842.1  | 245216   | 246700   | ANAC011  |
| GhNAC117 | At04           | 76333856 | 76335696 | No group |
| GhNAC118 | At07           | 5567333  | 5568014  | OsNAC7   |
| GhNAC119 | scaffold1755.1 | 248281   | 249355   | No group |
| GhNAC120 | Dt06           | 14563745 | 14564607 | TERN     |
| GhNAC121 | Dt06           | 14625717 | 14627173 | OsNAC8   |
| GhNAC122 | scaffold1977.1 | 229103   | 230878   | No group |
| GhNAC123 | Dt07           | 8667290  | 8669052  | No group |
| GhNAC124 | Dt07           | 8663041  | 8664993  | No group |
| GhNAC125 | Dt02           | 24916547 | 24918883 | TIP      |
| GhNAC126 | Dt13           | 14194745 | 14199922 | ONAC022  |
| GhNAC127 | Dt09           | 63144883 | 63148034 | OsNAC8   |
| GhNAC128 | Dt10           | 55662322 | 55664168 | No group |
| GhNAC129 | At06           | 50723534 | 50724914 | No group |
| GhNAC130 | scaffold1383.1 | 314814   | 315723   | No group |
| GhNAC131 | Dt12           | 31714359 | 31715600 | NAP      |
| GhNAC132 | Dt06           | 26985063 | 26986456 | NAM      |
| GhNAC133 | scaffold1379.1 | 215432   | 216235   | No group |
| GhNAC134 | scaffold1464.1 | 6593     | 8344     | ONAC022  |
| GhNAC135 | Dt13           | 45700306 | 45701654 | ONAC022  |
| GhNAC136 | scaffold544.1  | 324928   | 326340   | OsNAC7   |
| GhNAC137 | Dt12           | 38657634 | 38658769 | TERN     |
| GhNAC138 | Dt08           | 34497069 | 34498413 | OsNAC7   |
| GhNAC139 | Dt10           | 25345004 | 25346509 | ATAF     |
| GhNAC140 | Dt01           | 48081157 | 48082439 | TERN     |
| GhNAC141 | Dt08           | 46921207 | 46922947 | NAM      |
| GhNAC142 | Dt10           | 48762619 | 48763669 | ONAC022  |
| GhNAC143 | Dt10           | 54080204 | 54081826 | NAM      |
| GhNAC144 | Dt09           | 54731012 | 54733488 | No group |
| GhNAC145 | At12           | 95051404 | 95053605 | NAP      |
| GhNAC146 | Dt01           | 61881128 | 61885270 | NAC1     |
| GhNAC147 | Dt04           | 3772544  | 3774868  | TIP      |
| GhNAC148 | Dt11           | 49115097 | 49118345 | NAC2     |
| GhNAC149 | At13           | 3795855  | 3797142  | NAM      |
| GhNAC150 | At01           | 53363219 | 53366268 | ANAC011  |
| GhNAC151 | scaffold2321.1 | 246701   | 249093   | No group |
| GhNAC152 | At05           | 46781442 | 46782667 | SENU5    |
| GhNAC153 | At05           | 46817750 | 46818902 | SENU5    |
| GhNAC154 | At06           | 21106233 | 21107622 | NAM      |

|          |                |          |          |          |
|----------|----------------|----------|----------|----------|
| GhNAC155 | At08           | 46113260 | 46114337 | No group |
| GhNAC156 | At09           | 49560643 | 49564555 | ONAC003  |
| GhNAC157 | scaffold2526.1 | 121292   | 122525   | No group |
| GhNAC158 | At12           | 30935852 | 30937487 | No group |
| GhNAC159 | scaffold1107.1 | 45291    | 46812    | ONAC003  |
| GhNAC160 | At03           | 99301754 | 99302955 | NAP      |
| GhNAC161 | At09           | 31632364 | 31635635 | NAC2     |
| GhNAC162 | At13           | 54620728 | 54622015 | NAM      |
| GhNAC163 | At04           | 23428217 | 23430141 | No group |
| GhNAC164 | At01           | 44922711 | 44924085 | NAM      |
| GhNAC165 | At01           | 44972723 | 44974331 | NAP      |
| GhNAC166 | At02           | 16972570 | 16974069 | No group |
| GhNAC167 | scaffold1819.1 | 268777   | 269956   | ATAF     |
| GhNAC168 | At10           | 16958072 | 16959698 | NAM      |
| GhNAC169 | At07           | 5295190  | 5295826  | No group |
| GhNAC170 | At13           | 23173143 | 23174052 | No group |
| GhNAC171 | At08           | 34980527 | 34981142 | OsNAC7   |
| GhNAC172 | At10           | 20264435 | 20265487 | ONAC022  |
| GhNAC173 | Dt09           | 34520876 | 34523954 | No group |
| GhNAC174 | Dt09           | 34495689 | 34498959 | NAC2     |
| GhNAC175 | scaffold1127.1 | 41675    | 44726    | ONAC003  |
| GhNAC176 | At06           | 8417715  | 8419070  | ONAC022  |
| GhNAC177 | scaffold2414.1 | 68448    | 69522    | No group |
| GhNAC178 | At02           | 51104751 | 51113208 | No group |
| GhNAC179 | At08           | 2027998  | 2029345  | OsNAC7   |
| GhNAC180 | Dt01           | 34993430 | 34994362 | TERN     |
| GhNAC181 | Dt01           | 22849854 | 22853976 | NAC1     |
| GhNAC182 | Dt06           | 44579056 | 44580416 | ONAC022  |
| GhNAC183 | At11           | 60088385 | 60090470 | No group |
| GhNAC184 | Dt08           | 54272911 | 54274252 | OsNAC7   |
| GhNAC185 | scaffold3586.1 | 43352    | 45157    | ONAC003  |
| GhNAC186 | Dt01           | 27181569 | 27182995 | OsNAC7   |
| GhNAC187 | At03           | 14047267 | 14048598 | OsNAC7   |
| GhNAC188 | At09           | 32234351 | 32237417 | No group |
| GhNAC189 | At03           | 86317649 | 86318892 | ATAF     |
| GhNAC190 | At13           | 73412057 | 73413389 | ONAC022  |
| GhNAC191 | Dt10           | 47662688 | 47664116 | ONAC003  |
| GhNAC192 | scaffold1782.1 | 188208   | 191764   | No group |
| GhNAC193 | At05           | 11594221 | 11595811 | OsNAC7   |
| GhNAC194 | Dt07           | 17611333 | 17613253 | OsNAC7   |
| GhNAC195 | At10           | 94546011 | 94547238 | NAP      |
| GhNAC196 | At12           | 26984052 | 26985191 | TERN     |
| GhNAC197 | Dt11           | 50131747 | 50140759 | ONAC022  |
| GhNAC198 | At10           | 58201435 | 58202864 | ONAC003  |

|          |                |          |          |          |
|----------|----------------|----------|----------|----------|
| GhNAC199 | At03           | 82184892 | 82186117 | NAP      |
| GhNAC200 | At11           | 59426888 | 59428886 | No group |
| GhNAC201 | At03           | 23446486 | 23449177 | TIP      |
| GhNAC202 | At12           | 74220386 | 74221746 | ONAC022  |
| GhNAC203 | Dt05           | 36228400 | 36229461 | NAP      |
| GhNAC204 | scaffold3682.1 | 5443     | 6715     | NAM      |
| GhNAC205 | Dt13           | 15813266 | 15814682 | OsNAC7   |
| GhNAC206 | Dt01           | 18231915 | 18233247 | ONAC022  |
| GhNAC207 | scaffold5566.1 | 13718    | 16622    | No group |
| GhNAC208 | scaffold5036.1 | 14326    | 15819    | OsNAC7   |
| GhNAC209 | scaffold1864.1 | 247559   | 249402   | No group |
| GhNAC210 | scaffold7841.1 | 4250     | 5591     | OsNAC7   |
| GhNAC211 | scaffold3858.1 | 64614    | 66037    | OsNAC7   |

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**TABLE S7** Orthologous gene pairs of NAC proteins in *G.hirsutum*, *G.arboreum* and *G.raimondii*.

| Genes of At subgenome | Orthologous genes in <i>G. arboreum</i> | Orthologous genes in <i>G. raimondii</i> | Genes of Dt subgenome | Subfamily |
|-----------------------|-----------------------------------------|------------------------------------------|-----------------------|-----------|
| -                     | GaNAC11                                 | GrNAC58                                  | -                     | ANAC011   |
| GhNAC69               | GaNAC52                                 | GrNAC20                                  | -                     | ANAC011   |
| -                     | GaNAC87                                 | GrNAC29                                  | GhNAC110              | ANAC011   |
| GhNAC57               | GaNAC55                                 | GrNAC127                                 | GhNAC116              | ANAC011   |
| -                     | GaNAC43                                 | GrNAC111                                 | GhNAC13               | ANAC011   |
| GhNAC34               | -                                       | GrNAC118                                 | GhNAC150              | ANAC011   |
| GhNAC61               | GaNAC14                                 | GrNAC74                                  | GhNAC33               | ANAC011   |
| GhNAC15               | GaNAC28                                 | GrNAC42                                  | GhNAC51               | ANAC011   |
| -                     | GaNAC38                                 | GrNAC84                                  | GhNAC60               | ANAC011   |
| GhNAC61               | GaNAC54                                 | GrNAC31                                  | GhNAC8                | ANAC011   |
| -                     | GaNAC35                                 | -                                        | -                     | ANAC063   |
| -                     | GaNAC61                                 | GrNAC116                                 | -                     | ANAC063   |
| GhNAC189              | GaNAC121                                | GrNAC132                                 | GhNAC115              | ATAF      |
| GhNAC103              | GaNAC71                                 | GrNAC1                                   | GhNAC139              | ATAF      |
| GhNAC167              | GaNAC98                                 | GrNAC63                                  | GhNAC85               | ATAF      |
| -                     | GaNAC33                                 | GrNAC10                                  | GhNAC91               | AtNAC3    |
| -                     | GaNAC60                                 | GrNAC60                                  | GhNAC91               | AtNAC3    |
| -                     | GaNAC15                                 | GrNAC40                                  | -                     | NAC1      |
| GhNAC38               | GaNAC84                                 | GrNAC97                                  | -                     | NAC1      |
| GhNAC181              | GaNAC106                                | GrNAC89                                  | GhNAC146              | NAC1      |
| GhNAC78               | GaNAC112                                | GrNAC72                                  | GhNAC67               | NAC1      |
| GhNAC30               | GaNAC30                                 | GrNAC21                                  | -                     | NAC2      |
| -                     | GaNAC118                                | GrNAC26                                  | GhNAC148              | NAC2      |
| GhNAC161              | GaNAC110                                | GrNAC87                                  | GhNAC174              | NAC2      |

|                   |          |          |          |          |
|-------------------|----------|----------|----------|----------|
| GhNAC141/GhNAC204 | GaNAC57  | GrNAC13  | -        | NAM      |
| -                 | GaNAC128 | GrNAC110 | GhNAC12  | NAM      |
| GhNAC154          | -        | GrNAC138 | GhNAC132 | NAM      |
| GhNAC168          | GaNAC131 | GrNAC133 | GhNAC143 | NAM      |
| GhNAC149          | GaNAC125 | GrNAC81  | GhNAC162 | NAM      |
| GhNAC37           | GaNAC65  | GrNAC105 | GhNAC23  | NAM      |
| GhNAC89           | GaNAC72  | GrNAC135 | GhNAC27  | NAM      |
| -                 | GaNAC75  | GrNAC38  | GhNAC58  | NAM      |
| -                 | GaNAC32  | GrNAC8   | GhNAC58  | NAM      |
| GhNAC164          | GaNAC78  | GrNAC136 | GhNAC65  | NAM      |
| GhNAC1            | GaNAC17  | GrNAC100 | -        | NAP      |
| GhNAC131          | GaNAC119 | GrNAC88  | -        | NAP      |
| GhNAC71           | GaNAC135 | GrNAC114 | -        | NAP      |
| GhNAC203          | GaNAC107 | GrNAC128 | GhNAC145 | NAP      |
| GhNAC195          | GaNAC139 | GrNAC142 | GhNAC199 | NAP      |
| GhNAC95           | GaNAC89  | GrNAC16  | GhNAC20  | NAP      |
| GhNAC88           | GaNAC73  | GrNAC134 | GhNAC26  | NAP      |
| GhNAC56           | GaNAC31  | GrNAC23  | GhNAC44  | NAP      |
| GhNAC101          | GaNAC126 | GrNAC65  | GhNAC64  | NAP      |
| GhNAC165          | GaNAC79  | GrNAC137 | GhNAC66  | NAP      |
| GhNAC160          | GaNAC59  | GrNAC59  | GhNAC76  | NAP      |
| GhNAC160          | GaNAC34  | GrNAC11  | GhNAC92  | NAP      |
| -                 | GaNAC114 | -        | -        | No group |
| -                 | GaNAC19  | -        | -        | No group |
| -                 | GaNAC26  | -        | -        | No group |
| -                 | GaNAC103 | -        | -        | No group |

|                 |                   |                 |          |          |
|-----------------|-------------------|-----------------|----------|----------|
| -               | GaNAC94           | GrNAC14         | -        | No group |
| -               | GaNAC23           | GrNAC15         | -        | No group |
| -               | -                 | GrNAC17/GrNAC18 | -        | No group |
| -               | GaNAC5            | GrNAC54         | -        | No group |
| -               | GaNAC95           | GrNAC67/GrNAC68 | -        | No group |
| -               | GaNAC104/GaNAC124 | GrNAC7          | -        | No group |
| -               | -                 | GrNAC75         | -        | No group |
| -               | -                 | GrNAC76         | -        | No group |
| -               | GaNAC18           | GrNAC77/GrNAC78 | -        | No group |
| -               | -                 | GrNAC79         | -        | No group |
| -               | GaNAC105          | GrNAC96         | -        | No group |
| GhNAC108        | GaNAC96           | -               | -        | No group |
| GhNAC59         | GaNAC97           | GrNAC35         | -        | No group |
| GhNAC9/GhNAC100 | GaNAC41           | -               | -        | No group |
| GhNAC144        | GaNAC22           | GrNAC115        | GhNAC102 | No group |
| GhNAC107        | GaNAC58           | GrNAC69/GrNAC70 | GhNAC109 | No group |
| GhNAC169        | GaNAC9            | GrNAC109        | GhNAC11  | No group |
| GhNAC43         | GaNAC69           | GrNAC130        | GhNAC111 | No group |
| GhNAC43         | GaNAC102          | GrNAC94         | GhNAC111 | No group |
| GhNAC158        | GaNAC108          | -               | GhNAC117 | No group |
| GhNAC163        | GaNAC6            | GrNAC33         | GhNAC122 | No group |
| -               | GaNAC67           | GrNAC123        | GhNAC123 | No group |
| -               | GaNAC68           | GrNAC124        | GhNAC124 | No group |
| GhNAC200        | GaNAC85           | GrNAC104        | GhNAC128 | No group |
| GhNAC90         | -                 | GrNAC62         | GhNAC133 | No group |
| -               | GaNAC24           | GrNAC98         | GhNAC151 | No group |

|                   |          |          |                 |          |
|-------------------|----------|----------|-----------------|----------|
| GhNAC130          | GaNAC86  | GrNAC120 | GhNAC170        | No group |
| GhNAC188          | GaNAC111 | GrNAC86  | GhNAC173        | No group |
| -                 | GaNAC64  | GrNAC39  | GhNAC21         | No group |
| GhNAC35           | GaNAC45  | GrNAC107 | GhNAC22         | No group |
| GhNAC207          | GaNAC42  | GrNAC64  | GhNAC25         | No group |
| -                 | GaNAC21  | GrNAC80  | GhNAC28/GhNAC29 | No group |
| GhNAC177/GhNAC119 | GaNAC2   | GrNAC56  | GhNAC31         | No group |
| GhNAC99           | GaNAC1   | GrNAC55  | GhNAC32         | No group |
| -                 | GaNAC4   | GrNAC95  | GhNAC40         | No group |
| GhNAC63           | GaNAC8   | GrNAC125 | GhNAC46         | No group |
| GhNAC104          | GaNAC37  | GrNAC32  | GhNAC54         | No group |
| GhNAC183          | GaNAC142 | GrNAC22  | GhNAC55         | No group |
| GhNAC157          | GaNAC3   | GrNAC57  | GhNAC7          | No group |
| GhNAC178          | GaNAC138 | GrNAC12  | GhNAC75         | No group |
| GhNAC192          | GaNAC63  | GrNAC92  | GhNAC80         | No group |
| -                 | GaNAC109 | GrNAC85  | GhNAC82         | No group |
| GhNAC155          | GaNAC117 | GrNAC25  | GhNAC86         | No group |
| GhNAC166          | GaNAC53  | GrNAC93  | GhNAC94         | No group |
| GhNAC129          | -        | -        | -               | No group |
| GhNAC209          | -        | -        | -               | No group |
| -                 | GaNAC113 | GrNAC3   | -               | ONAC022  |
| -                 | GaNAC82  | GrNAC30  | -               | ONAC022  |
| -                 | GaNAC120 | GrNAC4   | GhNAC126        | ONAC022  |
| GhNAC112          | GaNAC70  | GrNAC66  | GhNAC134        | ONAC022  |
| GhNAC190/GhNAC206 | GaNAC140 | GrNAC112 | GhNAC135        | ONAC022  |
| GhNAC176          | GaNAC115 | GrNAC5   | GhNAC182        | ONAC022  |

|                  |          |          |                 |          |
|------------------|----------|----------|-----------------|----------|
| GhNAC172         | GaNAC136 | GrNAC140 | GhNAC142        | ONAC022  |
| GhNAC172         | GaNAC136 | GrNAC101 | GhNAC197        | ONAC022  |
| -                | GaNAC25  | GrNAC82  | GhNAC24         | ONAC022  |
| GhNAC19          | GaNAC92  | GrNAC46  | GhNAC47         | ONAC022  |
| GhNAC18          | GaNAC91  | GrNAC45  | GhNAC48         | ONAC022  |
| GhNAC17          | GaNAC90  | GrNAC44  | GhNAC49         | ONAC022  |
| GhNAC202         | GaNAC134 | GrNAC129 | GhNAC97/GhNAC98 | ONAC022  |
| -                | GaNAC77  | GrNAC131 | -               | OsNAC003 |
| GhNAC156         | GaNAC44  | GrNAC126 | -               | OsNAC003 |
| GhNAC185         | GaNAC50  | GrNAC113 | -               | OsNAC003 |
| GhNAC36          | GaNAC83  | GrNAC106 | -               | OsNAC003 |
| GhNAC45          | GaNAC129 | GrNAC34  | -               | OsNAC003 |
| GhNAC198         | GaNAC137 | GrNAC141 | GhNAC191        | OsNAC003 |
| GhNAC159         | GaNAC20  | GrNAC119 | GhNAC42         | OsNAC003 |
| GhNAC175         | GaNAC123 | GrNAC2   | GhNAC70         | OsNAC003 |
| -                | -        | GrNAC108 | -               | OsNAC7   |
| GhNAC106         | GaNAC36  | GrNAC83  | -               | OsNAC7   |
| GhNAC205         | GaNAC132 | GrNAC61  | -               | OsNAC7   |
| GhNAC72          | GaNAC16  | GrNAC24  | -               | OsNAC7   |
| GhNAC118         | GaNAC10  | -        | GhNAC10         | OsNAC7   |
| -                | GaNAC80  | GrNAC27  | GhNAC136        | OsNAC7   |
| GhNAC179         | GaNAC101 | GrNAC50  | GhNAC138        | OsNAC7   |
| -                | GaNAC27  | GrNAC19  | GhNAC14         | OsNAC7   |
| GhNAC53/GhNAC210 | GaNAC56  | GrNAC52  | GhNAC184        | OsNAC7   |
| -                | GaNAC81  | GrNAC117 | GhNAC194        | OsNAC7   |
| GhNAC193         | GaNAC88  | GrNAC103 | GhNAC2          | OsNAC7   |

|                  |                 |          |          |        |
|------------------|-----------------|----------|----------|--------|
| -                | GaNAC66         | GrNAC122 | GhNAC208 | OsNAC7 |
| GhNAC105         | GaNAC7          | -        | GhNAC5   | OsNAC7 |
| GhNAC16          | GaNAC29         | GrNAC43  | GhNAC50  | OsNAC7 |
| GhNAC62          | GaNAC40         | GrNAC47  | GhNAC73  | OsNAC7 |
| GhNAC186         | GaNAC130        | GrNAC91  | GhNAC81  | OsNAC7 |
| GhNAC79/GhNAC171 | GaNAC51         | GrNAC139 | GhNAC83  | OsNAC7 |
| GhNAC187         | GaNAC116        | GrNAC99  | GhNAC84  | OsNAC7 |
| -                | GaNAC74         | GrNAC28  | GhNAC87  | OsNAC7 |
| GhNAC211         | GaNAC141        | GrNAC9   | GhNAC96  | OsNAC7 |
| -                | -               | -        | GhNAC93  | OsNAC7 |
| GhNAC113         | GaNAC99         | GrNAC49  | GhNAC121 | OsNAC8 |
| GhNAC41          | GaNAC62         | GrNAC102 | GhNAC127 | OsNAC8 |
| GhNAC152         | GaNAC47         | GrNAC6   | GhNAC4   | SENU5  |
| GhNAC153         | GaNAC48         | GrNAC6   | GhNAC4   | SENU5  |
| -                | GaNAC93         | GrNAC41  | GhNAC68  | SENU5  |
| GhNAC114         | GaNAC100        | GrNAC48  | GhNAC120 | TERN   |
| GhNAC196         | GaNAC133        | GrNAC121 | GhNAC137 | TERN   |
| GhNAC180         | GaNAC46         | GrNAC90  | GhNAC140 | TERN   |
| GhNAC39          | GaNAC49         | GrNAC71  | GhNAC77  | TERN   |
| GhNAC52          | GaNAC76         | GrNAC51  | -        | TIP    |
| GhNAC125         | GaNAC122        | GrNAC73  | GhNAC147 | TIP    |
| GhNAC201         | GaNAC127        | GrNAC36  | GhNAC3   | TIP    |
| -                | GaNAC12/GaNAC13 | GrNAC53  | GhNAC6   | TIP    |
| -                | GaNAC39         | GrNAC37  | GhNAC74  | TIP    |

-represents no orthologous genes were found.

**TABLE S8** The duplicated GaNAC, GrNAC and GhNAC and its corresponding orthologous genes in three other dicots.

| Species            | Duplicated gene 1 | Duplicated gene 2 | Subfamily | Locus name of its corresponding orthologous gene in some dicots |                   |                               |
|--------------------|-------------------|-------------------|-----------|-----------------------------------------------------------------|-------------------|-------------------------------|
|                    |                   |                   |           | <i>V.vinifera</i>                                               | <i>A.thaliana</i> | <i>T.cacao</i>                |
| <i>G.arboreum</i>  | GaNAC102          | GaNAC69           | No group  | GSVIVT01029709001                                               | AT5G64530         | Thecc1EG007543                |
|                    | GaNAC104          | GaNAC124          | No group  | -                                                               | -                 | -                             |
|                    | GaNAC12           | GaNAC13           | TIP       | GSVIVT01038666001                                               | AT5G24590         | Thecc1EG015535                |
|                    | GaNAC33           | GaNAC60           | AtNAC3    | GSVIVT01014403001                                               | AT1G52890         | Thecc1EG031364                |
|                    | GaNAC34           | GaNAC59           | NAP       | GSVIVT01014405001                                               | AT3G15510         | Thecc1EG031363                |
|                    | GaNAC47           | GaNAC48           | SENU5     | GSVIVT01000940001                                               | AT5G13180         | Thecc1EG008477                |
|                    | GaNAC75           | GaNAC32           | NAM       | GSVIVT01014287001                                               | AT5G53950         | Thecc1EG031619                |
|                    | GaNAC90           | GaNAC91           | ONAC022   | GSVIVT01020834001                                               | AT2G43000         | Thecc1EG032389/Thecc1EG032393 |
| <i>G.raimondii</i> | GrNAC10           | GrNAC60           | AtNAC3    | GSVIVT01014403001                                               | AT1G52890         | Thecc1EG031364                |
|                    | GrNAC101          | GrNAC140          | ONAC022   | GSVIVT01020387001                                               | AT2G43000         | Thecc1EG029321                |
|                    | GrNAC11           | GrNAC59           | NAP       | GSVIVT01014405001                                               | AT3G15510         | Thecc1EG031363                |
|                    | GrNAC130          | GrNAC94           | No group  | GSVIVT01029709001                                               | AT5G64530         | Thecc1EG007543                |
|                    | GrNAC17           | GrNAC18           | No group  | -                                                               | -                 | Thecc1EG020125                |
|                    | GrNAC31           | GrNAC74           | ANAC011   | GSVIVT01029392001                                               | AT3G17730         | Thecc1EG044911                |
|                    | GrNAC38           | GrNAC8            | NAM       | GSVIVT01014287001                                               | AT5G53950         | Thecc1EG031619                |
|                    | GrNAC44           | GrNAC45           | ONAC022   | GSVIVT01020834001                                               | AT2G43000         | Thecc1EG032389/Thecc1EG032393 |
|                    | GrNAC54           | GrNAC96           | No group  | -                                                               | -                 | -                             |
|                    | GrNAC67           | GrNAC68           | No group  | -                                                               | -                 | Thecc1EG017070/Thecc1EG017048 |
|                    | GrNAC70           | GrNAC69           | No group  | -                                                               | -                 | Thecc1EG042655                |
|                    | GrNAC77           | GrNAC78           | No group  | -                                                               | -                 | -                             |
| <i>G.hirsutum</i>  | GhNAC100          | GhNAC9            | No group  | -                                                               | -                 | Thecc1EG033799                |
|                    | GhNAC141          | GhNAC204          | NAM       | GSVIVT01007982001                                               | AT5G61430         | Thecc1EG014073                |
|                    | GhNAC153          | GhNAC152          | SENU5     | GSVIVT01000940001                                               | AT5G13180         | Thecc1EG008477                |

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|          |          |          |                   |           |                               |
|----------|----------|----------|-------------------|-----------|-------------------------------|
| GhNAC17  | GhNAC18  | ONAC022  | GSVIVT01020834001 | AT2G43000 | Thecc1EG032389/Thecc1EG032393 |
| GhNAC177 | GhNAC119 | No group | GSVIVT01023921001 | AT2G17040 | Thecc1EG006499                |
| GhNAC183 | GhNAC200 | No group | GSVIVT01023123001 | AT2G02450 | Thecc1EG027945                |
| GhNAC190 | GhNAC206 | ONAC022  | GSVIVT01019993001 | AT1G26870 | Thecc1EG011718                |
| GhNAC197 | GhNAC142 | ONAC022  | GSVIVT01020387001 | AT2G43000 | Thecc1EG029321                |
| GhNAC28  | GhNAC29  | No group | GSVIVT01013671001 | AT1G34180 | Thecc1EG036587                |
| GhNAC49  | GhNAC48  | ONAC022  | GSVIVT01020834001 | AT2G43000 | Thecc1EG032389/Thecc1EG032393 |
| GhNAC53  | GhNAC210 | OsNAC7   | GSVIVT01019670001 | AT2G46770 | Thecc1EG015621                |
| GhNAC76  | GhNAC92  | NAP      | GSVIVT01014405001 | AT3G15510 | Thecc1EG031363                |
| GhNAC79  | GhNAC171 | OsNAC7   | GSVIVT01018809001 | AT2G18060 | Thecc1EG000235                |
| GhNAC97  | GhNAC98  | ONAC022  | GSVIVT01019993001 | AT1G26870 | Thecc1EG011718                |

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-represents no orthologous genes were found.

**TABLE S9** Information of syntenic blocks predicted among *G. hirsutum*, *G. arboreum* and *G. raimondii* NAC homologs.

| Blocks | <i>G. raimondii</i> ortholog in <i>G. hirsutum</i> |                       | <i>G. raimondii</i> |                                 | <i>G. arboreum</i> |                                 | <i>G. arboreum</i> ortholog in <i>G. hirsutum</i> |                                 |
|--------|----------------------------------------------------|-----------------------|---------------------|---------------------------------|--------------------|---------------------------------|---------------------------------------------------|---------------------------------|
|        | Chromosome                                         | Name                  | Chromosome          | Name                            | Chromosome         | Name                            | Chromosome                                        | Name                            |
| 1      | -                                                  | -                     | DD01                | GrNAC42\<br>GrNAC43             | AA03               | GaNAC29\<br>GaNAC28             | Dt05                                              | GhNAC15\<br>GhNAC16             |
| 2      | At10                                               | GhNAC65\<br>GhNAC66   | DD07                | GrNAC137\<br>GrNAC136           | AA04               | GaNAC79\<br>GaNAC78             | At01                                              | GhNAC164\<br>GhNAC165           |
| 3      | Dt07                                               | GhNAC124\<br>GhNAC123 | DD07                | GrNAC123\<br>GrNAC124           | AA04               | GaNAC67\<br>GaNAC66             | -                                                 | -                               |
| 4      | -                                                  | -                     | DD01                | GrNAC44\<br>GrNAC45\<br>GrNAC46 | AA05               | GaNAC90\<br>GaNAC91\<br>GaNAC92 | Dt05                                              | GhNAC17\<br>GhNAC18\<br>GhNAC19 |
| 5      | -                                                  | -                     | DD08                | GrNAC50\<br>GrNAC139            | AA06               | GaNAC51\<br>GaNAC101            | -                                                 | -                               |
| 6      | -                                                  | -                     | DD08                | GrNAC55\<br>GrNAC56             | AA07               | GaNAC1\<br>GaNAC2               | -                                                 | -                               |
| 7      | -                                                  | -                     | DD03                | GrNAC29\<br>GrNAC28             | AA07               | GaNAC87\<br>GaNAC74             | -                                                 | -                               |
| 8      | Dt09                                               | GhNAC174\<br>GhNAC173 | DD09                | GrNAC86\<br>GrNAC87             | AA10               | GaNAC111\<br>GaNAC110           | -                                                 | -                               |
| 9      | -                                                  | -                     | DD09                | GrNAC60\<br>GrNAC59             | AA10               | GaNAC59\<br>GaNAC60             | -                                                 | -                               |
| 10     | Dt06                                               | GhNAC74\<br>GhNAC73   | DD06                | GrNAC37\<br>GrNAC47             | AA11               | GaNAC39\<br>GaNAC40             | -                                                 | -                               |
| 11     | Dt06                                               | GhNAC120\<br>         | DD06                | GrNAC48\<br>                    | AA11               | GaNAC100\<br>                   | At06                                              | GhNAC114\<br>                   |

|    |      |                                  |      |                                    |      |                       |      |                       |
|----|------|----------------------------------|------|------------------------------------|------|-----------------------|------|-----------------------|
|    |      | GhNAC121                         |      | GrNAC49                            |      | GaNAC99               |      | GhNAC113              |
| 12 | Dt06 | GhNAC64\<br>GhNAC132             | DD06 | GrNAC138\<br>GrNAC65               | -    | -                     | -    | -                     |
| 13 | Dt13 | GhNAC27\<br>GhNAC26              | DD07 | GrNAC135\<br>GrNAC134              | AA13 | GaNAC72\<br>GaNAC73   | At13 | GhNAC89\<br>GhNAC88   |
| 14 | -    | -                                | DD13 | GrNAC58\<br>GrNAC112               | AA13 | GaNAC11\<br>GaNAC140  | -    | -                     |
| 15 | Dt01 | GhNAC80\<br>GhNAC81\<br>GhNAC146 | DD01 | GrNAC89\<br>GrNAC91\<br>GrNAC92    | -    | -                     | -    | -                     |
| 16 | Dt07 | GhNAC11\<br>GhNAC12\<br>GhNAC13  | DD07 | GrNAC109\<br>GrNAC110\<br>GrNAC111 | -    | -                     | -    | -                     |
| 17 | Dt08 | GhNAC44\<br>GhNAC70              | DD08 | GrNAC2\<br>GrNAC23                 | -    | -                     | -    | -                     |
| 18 | -    | -                                | -    | -                                  | AA08 | GaNAC136\<br>GaNAC131 | At10 | GhNAC168\<br>GhNAC172 |
| 19 | -    | -                                | -    | -                                  | AA13 | GaNAC72\<br>GaNAC73   | At13 | GhNAC89\<br>GhNAC88   |
| 20 | -    | -                                | -    | -                                  | AA06 | GaNAC9\<br>GaNAC10    | At07 | GhNAC169\<br>GhNAC118 |
| 21 | -    | -                                | -    | -                                  | AA08 | GaNAC47\<br>GaNAC48   | At05 | GhNAC152\<br>GhNAC153 |

-represents no orthologous genes were found

**TABLE S10** PCR primers used in this study.

| Name     | Forward primer (5'-3') | Reverse primer (5'-3')  |
|----------|------------------------|-------------------------|
| GaNAC7   | TCCGACTGGAACGAGGACTA   | TCCTTCCTCCAAGGTCTTCCT   |
| GaNAC11  | TCCCATGACTCTCCCTCCTG   | ATCCCTGGGGCTGTAGAAGT    |
| GaNAC14  | CCGAATGGGTTCAGGACGAA   | TCCTGCCAATAACCACTTCTCT  |
| GaNAC28  | AAAATTACCGGTCGCCCCAT   | TCCGGTGGCTTTCCAATACC    |
| GaNAC31  | CATGGGTCCAGTTTCCCATCT  | CCCCAAGCTGTAGCTTCTCAA   |
| GaNAC33  | CAAGCAGAGAGCAAAGCACG   | CCACCAAGACTCCCCCAATC    |
| GaNAC34  | ACTGGACCGACGATGAAACC   | GACCCCAACATTGCTGCTTG    |
| GaNAC43  | CTCGAGAACGAATCGAGCCA   | AGGGTCTTACGATAGCCGGT    |
| GaNAC47  | CTTGGGACTTGCCAGGTGAT   | ATGCATGATCCAGTCGGTCC    |
| GaNAC48  | GGGTTCCGCTTCCATCCTAC   | ATAGAGGCAGGTAAGGGCCA    |
| GaNAC50  | AGCCGCTTCCTACACCAAAA   | TGAAGCTTGCGCAGATCAGA    |
| GaNAC54  | TTGGACCCCGAGATCGGAAA   | TGGGAAGCAACTCTCCTGTC    |
| GaNAC59  | CAGAGCCACAAGCAAACAAGAA | GTTGTAATGAAGGACTTTGTCTG |
| GaNAC60  | AAGTATCCGAACGGGTCACG   | CAACTTTTCGGCCATCGGTC    |
| GaNAC61  | GCGGAGTGGAAGACCAAGA    | AAGAGAACTCGGCACAGGG     |
| GaNAC62  | GACAAAGAAGCTGGAGGGCT   | GGTTGCGCGTCTACTTTGTG    |
| GaNAC75  | GTGTCCTGTTTCTCCACCGT   | AGTTGACAGATGAGCCACCG    |
| GaNAC77  | GGAGCTTGTGGTGTCTGAAGA  | CTCGATAAAGCAGCGGCAAC    |
| GaNAC83  | TCCATGGTGTGTAATGTGAGGA | TCCAAGCAATTCATCTCGGAA   |
| GaNAC84  | CGGTGATCGACCCAAGAACA   | CCTTAGGAGGCATATGCGGG    |
| GaNAC89  | TGGGAGGGGTGGAGTGTATT   | CTGCTTCGTCTTCCTCTTGGT   |
| GaNAC91  | GTTCTGGAAAGCAACGGGCA   | GGTCATTGTGGGATTGGGGA    |
| GaNAC93  | TGTGCTGAGATTGCCTCCTG   | GGCAAGCAAGCACTTTTCGT    |
| GaNAC100 | CCAAGACAAGAGAGGGAGGC   | ACATATGGGTCGGACAGTGC    |
| GaNAC106 | GACGGGGAAGGATCGAATGG   | TTCCATTGGGAGCTCGGTTT    |
| GaNAC118 | ATGCAAGGTTGAGAGACCCG   | TGCCGTCTTCTCTTGTACCG    |
| GaNAC120 | AAGGCCAAATAGGGTGACCG   | CGGCACAGCCTCGATAGTAG    |
| GaNAC121 | GCAGCTACGGCGATTGGTAA   | GAATTCCCGAGACACCGCAT    |
| GaNAC122 | TGCCTACCGGATTTTCGGTTC  | TTCTGTGAGTGGGCAAAA      |
| GaNAC139 | ACCGCAGTCTCTTCAAGCTC   | TCCAGTACTGTGGACCTGCT    |
| GrNAC4   | AAGGCCAAATAGGGTGACCG   | CGGCACAGCCTCGATAGTAG    |
| GrNAC6   | GGGTTCCGCTTCCATCCTAC   | ATAGAGGCAGGTAAGGGCCA    |
| GrNAC10  | CAAGCAGAGAGCAAAGCACG   | CCACCAAGACTCCCCAATC     |
| GrNAC11  | ACTGGACCGACGATGAAACC   | GACCCCAACATTGCTGCTTG    |
| GrNAC16  | CAGCCCCAGAAGTCCTGTTC   | GCTTTTGGGGAAACCTGCTG    |
| GrNAC19  | CAGCAGCCAACTCAACCAC    | GGGAGGGTAGTGAAGGGCTA    |
| GrNAC26  | ATGCAAGGTTGAGAGACCCG   | TGCCGTCTTCTCTTGTACCG    |
| GrNAC38  | GTGTCCTGTTTCTCCACCGT   | AGTTGACAGATGAGCCACCG    |
| GrNAC41  | TGTGCTGAGATTGCCTCCTG   | GGCAAGCAAGCACTTTTCGT    |
| GrNAC42  | AATGAGTCTCCCTCCCGGTT   | GGCGACCGGTGATTTTGTG     |
| GrNAC44  | GAACAGTGTAAGACCAAACCGA | ATGGCTTCACCGCTTTTGAC    |
| GrNAC45  | CAGATGAAGAGCTCGTCGGG   | TTCCAGAACCCCGACTCTGT    |

|          |                        |                       |
|----------|------------------------|-----------------------|
| GrNAC48  | CAAGAGAGGGAAGCTCGTGG   | ACATATGGGTCGGACAGTGC  |
| GrNAC58  | TCCCATGACTCTCCCTCCTG   | ATCCCTGGGGCTGTAGAAGT  |
| GrNAC59  | CCTCAATAGAGCCACAAGCAA  | AGGACTTTCTGGTAGCTGGC  |
| GrNAC60  | AAGTATCCGAACGGGTCACG   | CAACTTTTCGGCCATCGGTC  |
| GrNAC73  | TGTGAGCCGTGGGATTTACC   | TCCTTACCCGTAGCCTTCCA  |
| GrNAC89  | GACGGGAAAGGATCGAATGGT  | GCGTTGCTGTTTTCTCCTCC  |
| GrNAC97  | CGGTGATCGACCCAAGAACA   | CCTTAGGAGGCATATGCGGG  |
| GrNAC102 | GACAAAGAAGCTGGAGGGCT   | GGTTGCGCGTCTACTTTGTG  |
| GrNAC106 | ATGTGCTAATCCGCCAGAGG   | GTAGGTCCCACCGTTGACTG  |
| GrNAC111 | CTCGAGAACGAATCGAGCCA   | AGGGTCTTACGATAGCCGGT  |
| GrNAC113 | AGCCGCTTCCTACACCAAAA   | TGAAGCTTGCGCAGATCAGA  |
| GrNAC116 | GGCGAGTGGAAGACCAAAGA   | AAGAGAAACTCGGCACAGGG  |
| GrNAC117 | GGATACGAGGAGCAAAGCGA   | CCCAGCCTTCTTCAAGGGTC  |
| GrNAC131 | GGAGCTTGTGGTGTGGAAGA   | CTCGATAAAGCAGCGGCAAC  |
| GrNAC132 | TGGCTTTCGGTTCATCCAA    | GACGGCGATAGACTGAGACG  |
| GrNAC136 | CGACGAACTCATCGATTTGCC  | ACCAATAGCGCTTGCACTGA  |
| GrNAC142 | AAAAGGAAGGTGGCTTCGGT   | TTGGAAGCTCCCATGGATCG  |
| GhNAC5   | AGTATCCGACAGGGACGAGG   | ACCCATCCTTCCTCCAAGGT  |
| GhNAC8   | TTGGACCCCGAGATCGGAAA   | TGGGAAGCAACTCTCCTGTC  |
| GhNAC13  | CTCGAGAACGAATCGAGCCA   | AGGGTCTTACGATAGCCGGT  |
| GhNAC14  | CAGCAGCCAAACTCAACCAC   | GGGAGGGTAGTGAAGGGCTA  |
| GhNAC15  | AAAATTACCGGTCGCCCCAT   | TCCGGTGGCTTTCCAATACC  |
| GhNAC18  | GTTCTGGAAAGCAACGGGCA   | GGTCATTGTGGGATTGGGGA  |
| GhNAC19  | TGGCAATGGTGTACATGGCT   | ATTCCCTTCTGCAACTCCCG  |
| GhNAC20  | CAGCCCCAGAAGTCCTGTTC   | GCTTTTGGGGAAACCTGCTG  |
| GhNAC27  | CGCTTCCATGGTGTCTACC    | ACACGTGCTCGGATTGGTTA  |
| GhNAC36  | TCCATGGTGTGTAATGTGAGGA | TCCAAGCAATTCATCTCGGAA |
| GhNAC38  | CGGTGATCGACCCAAGAACA   | CCTTAGGAGGCATATGCGGG  |
| GhNAC41  | GACAAAGAAGCTGGAGGGCT   | GGTTGCGCGTCTACTTTGTG  |
| GhNAC44  | AAGCCATGCCCTGTTTCGAT   | ACCCCATTCGGGTACTTTTCG |
| GhNAC48  | CAGATGAAGAGCTCGTCGGG   | TTCCAGAACCCCGACTCTGT  |
| GhNAC49  | GAACAGTGTAAGACCAAACCGA | ATGGCTTCACCGCTTTTGAC  |
| GhNAC51  | AATGAGTCTCCCTCCCGGTT   | GGCGACCGGTGATTTTGTTG  |
| GhNAC56  | CATGGGTCCAGTTTCCCATCT  | CCCCAAGCTGTAGCTTCTCAA |
| GhNAC58  | GGAAGACTGGCCGTATGAGT   | TGGTGGGATCAAGGAGAGGT  |
| GhNAC60  | CCCCTTTAGGGGATCGAACG   | CTCCTCGAGCATCACTTGCT  |
| GhNAC65  | CGACGAACTCATCGATTTGCC  | ACCAATAGCGCTTGCACTGA  |
| GhNAC68  | TGTGCTGAGATTGCCTCCTG   | GGCAAGCAAGCACTTTTCGT  |
| GhNAC76  | CCTCAATAGAGCCACAAGCAA  | AGGACTTTCTGGTAGCTGGC  |
| GhNAC89  | CCGCTCCTGGATACAACCAA   | TGTTGTTTCATCTGGGGTGGG |
| GhNAC91  | CAAGCAGAGAGCAAAGCACG   | CCACCAAGACTCCCCCAATC  |
| GhNAC92  | ACTGGACCGACGATGAAACC   | GACCCCAACATTGCTGCTTG  |
| GhNAC95  | TGGGAGGGGTGGAGTGTATT   | CTGCTTCGTCTTCCTCTTGGT |
| GhNAC105 | TCCGACTGGAACGAGGACTA   | TCCTTCCTCCAAGGTCTTCCT |

|              |                        |                         |
|--------------|------------------------|-------------------------|
| GhNAC114     | CCAAGACAAGAGAGGGGAGGC  | ACATATGGGTCGGACAGTGC    |
| GhNAC115     | TGGCTTTCGGTTCATCCAA    | GACGGCGATAGACTGAGACG    |
| GhNAC120     | CAAGAGAGGGAAGCTCGTGG   | ACATATGGGTCGGACAGTGC    |
| GhNAC125     | TGCCTACCGGATTTTCGGTTC  | TTCTGTTCGAGTGGGCAAAA    |
| GhNAC126     | AAGGCCAAATAGGGTGACCG   | CGGCACAGCCTCGATAGTAG    |
| GhNAC127     | GGATCAGAGGAGACGTGAGC   | TGCAGCCACCACATAGTCTG    |
| GhNAC146     | GACGGGAAAGGATCGAATGGT  | GCGTTGCTGTTTTCTCCTCC    |
| GhNAC147     | TGTGAGCCGTGGGATTTACC   | TCCTTACCCGTAGCCTTCCA    |
| GhNAC148     | ATGCAAGGTTGAGAGACCCG   | TGCCGTCTTCTCTTGACCG     |
| GhNAC160     | CAGAGCCACAAGCAAACAAGAA | GTTGTAATGAAGGACTTTGTCTG |
| GhNAC164     | AGACGAACTCATCGATTTGCC  | CCCAAGGCTCACACTTGTTT    |
| GhNAC181     | GACGGGGAAGGATCGAATGG   | TTCCATTGGGAGCTCGGTTC    |
| GhNAC185     | AGCCGCTTCCTACACCAAAA   | TGAAGCTTGCGCAGATCAGA    |
| GhNAC189     | GCAGCTACGGCGATTGGTAA   | GAATTCCCGAGACACCGCAT    |
| GhNAC194     | GGATACGAGGAGCAAAGCGA   | CCCAGCCTTCTTCAAGGGTC    |
| GhNAC195     | ACCGCAGTCTCTTCAAGCTC   | TCCAGTACTGTGGACCTGCT    |
| GhNAC199     | AAAAGGAAGGTGGCTTCGGT   | TTGGAAGCTCCCATGGATCG    |
| EF1 $\alpha$ | AGACCACCAAGTACTACTGCAC | CCACCAATCTTGTACACATCC   |

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