

File S1

mtDNA Copy Number Association p values

File S1 is available for download at <http://www.genetics.org/lookup/suppl/doi:10.1534/genetics.112.141168/-/DC1> as a .txt file.

Table S1 mtDNA Copy Number in SGRP Strains

| Strain | mtDNA Relative Copy Number | |
|---------------|----------------------------|-------------|
| | Replicate 1 | Replicate 2 |
| BY | 1.00 | 1.00 |
| RM | 2.22 | 2.08 |
| DBVPG6765 | 1.88 | 1.44 |
| SK1 | 2.01 | 1.96 |
| DBVPG6044 | 1.48 | 1.60 |
| DBVPG1788 | 1.67 | 1.71 |
| DBVPG1373 | 2.17 | 2.69 |
| DBVPG1853 | 2.45 | 2.40 |
| Y55 | 1.44 | 1.61 |
| YPS128 | 1.18 | 1.38 |
| DBVPG1106 | 1.64 | 1.59 |
| DBVPG6040 | 1.32 | 1.44 |
| Yllc17_E5 | 0.64 | 1.27 |
| BC187 | 2.41 | 4.15 |
| YPS606 | 1.39 | 1.57 |
| L-1374 | 2.36 | 1.77 |
| L-1528 | 1.99 | 2.11 |
| NCYC110 | 1.89 | 2.65 |
| NCYC361 | 1.71 | 1.56 |
| K11 | 1.97 | 2.13 |
| Y9 | 1.45 | 1.47 |
| Y12 | 1.94 | 2.22 |
| YS2 | 2.06 | 2.17 |
| YS4 | 1.92 | 3.10 |
| YS9 | 1.36 | 1.21 |
| UWOPS83-787.3 | 1.32 | 1.57 |
| UWOPS03-461.4 | 1.24 | 1.32 |
| UWOPS05-217.3 | 1.58 | 3.19 |
| UWOPS05-227.2 | 1.63 | 1.41 |
| W303 | 1.40 | 1.51 |
| 322134S | 2.78 | 2.41 |
| 378604X | 2.10 | 1.51 |
| 273614N | 2.38 | 2.22 |
| YJM978 | 2.17 | NA |
| YJM981 | 2.53 | NA |
| YJM975 | 2.64 | NA |

Table S2 mtDNA Copy Number at the Most Highly Associated SNP

| Strain | mtDNA Copy Number | Allele at the Most Highly Associated SNP |
|---------------|-------------------|--|
| 273614N | 2.3013 | C |
| 322134S | 2.5985 | C |
| 378604X | 1.8042 | C |
| BC187 | 3.2815 | C |
| DBVPG1106 | 1.612 | C |
| DBVPG1373 | 2.428 | C |
| DBVPG1788 | 1.6925 | C |
| DBVPG1853 | 2.4258 | C |
| DBVPG6040 | 1.3804 | C |
| DBVPG6044 | 1.5387 | C |
| DBVPG6765 | 1.6612 | C |
| K11 | 2.0528 | C |
| L_1374 | 2.0679 | C |
| L_1528 | 2.0512 | C |
| NCYC110 | 2.2716 | C |
| RM11_1A | 2.1507 | C |
| SK1 | 1.9893 | C |
| Y12 | 2.0785 | C |
| Y55 | 1.5246 | C |
| YJM975 | 2.4028 | C |
| YJM978 | 2.1657 | C |
| YJM981 | 2.5284 | C |
| YS2 | 2.1183 | C |
| YS4 | 2.5073 | C |
| NCYC361 | 1.6346 | T |
| REF | 1 | T |
| UWOPS03_461_4 | 1.2815 | T |
| UWOPS05_217_3 | 2.3843 | T |
| UWOPS05_227_2 | 1.5186 | T |
| UWOPS83_787_3 | 1.4444 | T |
| W303 | 1.4551 | T |
| Y9 | 1.4579 | T |
| YIic17_E5 | 0.9506 | T |
| YPS128 | 1.2793 | T |
| YPS606 | 1.4761 | T |
| YS9 | 1.2826 | T |