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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supporting information table.** Allelic and genotypic association analysis**.** | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  |  |  |  | **CT Vs AMD** | | **CT Vs Mixed** | | **CT Vs Dry** | | | **CT Vs Wet** | | | **Dry Vs Wet** | | |
| **SNP ID (gene)** |  | **AMD %** | **Control %** | **Mixed %** | **Dry AMD %** | **Wet AMD %** | **p-value** | **OR (95% CI)** | **p-value** | **OR (95% CI)** | **p-value** | **OR (95% CI)** | **p-value** | | **OR (95% CI)** | **p-value** | | **OR (95% CI)** |
| rs11076161 (*MT1A*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | G | 76.2 | 74 | 72.4 | 77.2 | 80 | 0.593 | 1.03 (0.88-1.20) | 0.7831 | 0.98 (0.79-1.21) | 0.5581 | 1.04 (0.86-1.27) | 0.3139 | | 1.08 (0.88-1.32) | 0.665 | | 1.04 (0.82-1.30) |
|  | A | 23.8 | 26 | 27.6 | 22.8 | 20 |  | 0.91 (0.58-1.44) |  | 1.06 (0.60-1.87) |  | 0.88 (0.47-1.65) |  | | 0.77 (0.36-1.62) |  | | 0.88 (0.37-2.05) |
| Genotype | GG | 60 | 56.25 | 59.18 | 58.69 | 62.86 | 0.5716 | 1.07 (0.85- 1.34)\* | 0.7356 | 1.05 (0.78- 1.41)\* | 0.7828 | 1.04(0.77- 1.41)\* | 0.4976 | | 1.12 (0.82- 1.52)\* | 0.7043 | | 1.07 (0.75- 1.52)\* |
|  | GA | 32.3 | 35.42 | 26.54 | 36.96 | 34.28 |  | 0.91 (0.63-1.32) |  | 0.75 (0.44-1.28) |  | 1.04 (0.66-1.66) |  | | 0.97 (0.57-1.65) |  | | 0.93 (0.51-1.68) |
|  | AA | 7.7 | 8.33 | 14.28 | 4.35 | 2.86 |  | 0.92 (0.38-2.25) |  | 1.71 (0.66-4.45) |  | 0.52 (0.11-2.36) |  | | 0.34 (0.04-2.64) |  | | 0.66 (0.06-6.96) |
|  | Total | 78/42/10 (GG/GA/AA) | 54/34/8 (GG/GA/AA) | 29/13/7 (GG/GA/AA) | 27/17/2 (GG/GA/AA) | 22/12/1 (GG/GA/AA) | 0.8521 |  | 0.3772 |  | 0.6856 |  | 0.5163 | |  | 0.8976 | |  |
| rs11640851  (*MT1A*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | C | 39.6 | 39.1 | 45.9 | 37 | 65.7 | 0.9053 | 1.01 (0.73-1.41) | 0.2622 | 1.17 (0.79-1.74) | 0.7327 | 0.95 (0.60-1.49) | 0.4804 | | 1.68 (1.19-2.37) | 0.7254 | | 1.78 (1.14-2.77) |
|  | A | 60.4 | 60.9 | 54.1 | 63 | 34.3 |  | 0.99 (0.80-1.23) |  | 0.89 (0.65-1.20) |  | 1.03 (0.79-1.36) |  | | 0.56 (0.35-0.91) |  | | 0.54 (0.33-0.91) |
| Genotype | AA | 37.69 | 41.67 | 28.57 | 45.65 | 40 | 0.54801 | 0.90 (0.65-1.25)\* | 0.9288 | 0.68 (0.41- 1.13)\* | 0.9748 | 1.09 (0.74- 1.62)\* | 0.1284 | | 0.96 (0.60- 1.53)\* | 0.1676 | | 0.88 (0.52- 1.46)\* |
|  | AC | 45.39 | 38.54 | 51.02 | 34.79 | 51.43 |  | 1.18 (0.86-1.61) |  | 1.32 (0.91-1.92) |  | 0.90 (0.56-1.44) |  | | 1.33 (0.89-2.01) |  | | 1.48 (0.89-2.46) |
|  | CC | 16.92 | 19.79 | 20.41 | 19.56 | 8.57 |  | 0.85 (0.49-1.49) |  | 1.03 (0.52-2.04) |  | 0.99 (0.48-2.01) |  | | 0.43 (0.14-1.37) |  | | 0.44 (0.13-1.50) |
|  | Total | 49/59/22 (AA/AC/CC) | 40/37/19 (AA/AC/CC) | 14/25/10 (AA/AC/CC) | 21/16/9 (AA/AC/CC) | 14/18/3 (AA/AC/CC) | 0.5824 |  | 0.2617 |  | 0.8896 |  | 0.2282 | |  | 0.2143 | |  |
| rs8052394  (*MT1A*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | A | 86.5 | 83.9 | 84.7 | 88 | 87.1 | 0.4244 | 1.03 (0.92-1.15) | 0.8531 | 1.01 (0.87-1.17) | 0.352 | 1.05 (0.91-1.20) | 0.5125 | | 1.04 (0.89-1.21) | 0.893 | | 0.99 (0.84-1.17) |
|  | G | 13.5 | 16.1 | 15.3 | 12 | 12.9 |  | 0.84 (0.45-1.57) |  | 0.95 (0.43-2.12) |  | 0.74 (0.30-1.84) |  | | 0.80 (0.30-2.12) |  | | 1.07 (0.33-3.44) |
| Genotype | AA | 76.15 | 68.75 | 73.47 | 80.43 | 74.28 | 0.2152 | 1.11 (0.94-1.31)\* | 0.5564 | 1.07 (0.86- 1.32)\* | 0.1443 | 1.17 (0.96- 1.42)\* | 0.5397 | | 1.08 (0.85- 1.37)\* | 0.5095 | | 0.92 (0.72- 1.17)\* |
|  | AG | 20.77 | 30.21 | 22.45 | 15.22 | 25.72 |  | 0.69 (0.44-1.08) |  | 0.74 (0.41-1.36) |  | 0.50 (0.24-1.06) |  | | 0.85 (0.45-1.61) |  | | 1.69 (0.70-4.09) |
|  | GG | 3.08 | 1.04 | 4.08 | 4.35 | 0 |  | 2.95 (0.34-26.01) |  | 3.92 (0.36-42.15) |  | 4.17 (0.39-44.85) |  | | NA |  | | NA |
|  | Total | 99/27/4 (AA/AG/GG) | 66/29/1 (AA/AG/GG) | 36/11/2 (AA/AG/GG) | 37/7/2 (AA/AG/GG) | 26/9/0 (AA/AG/GG) | 0.1796 |  | 0.323 |  | 8.41x10-2 |  | 0.7207 | |  | 0.2558 | |  |
| rs7196890  (*MT1A*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | A | 63.1 | 64.6 | 57.1 | 68.5 | 64.3 | 0.742 | 0.98 (0.80-1.19) | 0.2168 | 0.88 (0.66-1.17) | 0.5172 | 1.06 (0.83-1.36) | 0.9645 | | 0.99 (0.75-1.33) | 0.575 | | 0.94 (0.68-1.29) |
|  | C | 36.9 | 35.4 | 42.9 | 31.5 | 35.7 |  | 0.77 (0.53-1.12) |  | 1.21 (0.79-1.85) |  | 0.89 (0.54-1.47) |  | | 1.01 (0.60-1.70) |  | | 1.13 (0.61-2.10) |
| Genotype | AA | 40.77 | 44.79 | 32.65 | 52.17 | 37.14 | 0.5452 | 0.91 (0.67-1.23)\* | 0.1593 | 0.73 (0.46- 1.15)\* | 0.4096 | 1.16 (0.82- 1.66)\* | 0.4337 | | 0.83 (0.51- 1.35)\* | 0.1785 | | 0.71 (0.43- 1.19)\* |
|  | AC | 44.62 | 39.59 | 48.98 | 32.61 | 54.29 |  | 1.13 (0.82-1.54) |  | 1.24 (0.85-1.80) |  | 0.82 (0.51-1.34) |  | | 1.37 (0.93-2.03) |  | | 1.66 (0.99-2.78) |
|  | CC | 14.61 | 15.62 | 18.37 | 15.22 | 8.57 |  | 0.93 (0.50-1.74) |  | 1.17 (0.55-2.49) |  | 0.97 (0.43-2.22) |  | | 0.55 (0.17-1.78) |  | | 0.56 (0.16-2.02) |
|  | Total | 53/58/19 (AA/AC/CC) | 43/38/15 (AA/AC/CC) | 16/24/9 (AA/AC/CC) | 24/15/7 (AA/AC/CC) | 13/19/3 (AA/AC/CC) | 0.7493 |  | 0.3696 |  | 0.6811 |  | 0.2789 | |  | 0.1409 | |  |
| rs8052334  (*MT1B*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | C | 52.3 | 49.5 | 56.1 | 45.7 | 55.7 | 0.5521 | 1.06 (0.81-1.37) | 0.2842 | 1.13 (0.82-1.56) | 0.5458 | 0.92 (0.63-1.34) | 0.3717 | | 1.12 (0.79-1.61) | 0.2045 | | 1.22 (0.79-1.88) |
|  | T | 47.7 | 50.5 | 43.9 | 54.3 | 44.3 |  | 0.94 (0.72-1.23) |  | 0.87 (0.60-1.26) |  | 1.07 (0.77-1.50) |  | | 0.88 (0.57-1.34) |  | | 0.82 (0.52-1.29) |
| Genotype | CC | 30 | 19.79 | 36.73 | 19.56 | 34.28 | 0.0824 | 1.52 (0.94-2.45)\* | 2.68x10-2 | 1.86 (1.07- 3.20)\* | 0.9748 | 0.99 (0.48- 2.01)\* | 8.41x10-2 | | 1.73 (0.94- 3.19)\* | 0.1342 | | 1.75 (0.83- 3.69)\* |
|  | CT | 44.62 | 59.38 | 38.78 | 52.18 | 42.86 |  | 0.75 (0.58-0.97) |  | 0.65 (0.44-0.96) |  | 0.88 (0.64-1.21) |  | | 0.72 (0.48-1.09) |  | | 0.82 (0.51-1.32) |
|  | TT | 25.38 | 20.83 | 24.49 | 28.26 | 22.86 |  | 1.22 (0.74-1.99) |  | 1.17 (0.63-2.20) |  | 1.36 (0.74-2.48) |  | | 1.10 (0.53-2.26) |  | | 0.81 (0.38-1.73) |
|  | Total | 39/58/33 (CC/CT/TT) | 19/57/20 (CC/CT/TT) | 18/19/12 (CC/CT/TT) | 9/24/13 (CC/CT/TT) | 12/15/8 (CC/CT/TT) | 0.0783 |  | 3.93x10-2 |  | 0.5998 |  | 0.1654 | |  | 0.3256 | |  |
|
| rs964372  (*MT1B*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | G | 82.7 | 84.4 | 78.6 | 82.6 | 88.6 | 0.6345 | 0.98 (0.87-1.10) | 0.2195 | 0.93 (0.79-1.10) | 0.7054 | 0.98 (0.84-1.15) | 0.3934 | | 1.05 (0.91-1.21) | 0.2899 | | 1.07 (0.90-1.28) |
|  | C | 17.3 | 15.6 | 21.4 | 17.4 | 11.4 |  | 1.11 (0.61-2.02) |  | 1.37 (0.67-2.79) |  | 1.11 (0.51-2.44) |  | | 0.73 (0.26-2.05) |  | | 0.65 (0.21-2.00) |
| Genotype | GG | 70 | 70.83 | 63.26 | 69.56 | 80 | 0.8933 | 0.99 (0.83-1.17)\* | 0.3543 | 0.89 (0.70- 1.14)\* | 0.8769 | 0.98 (0.78- 1.24)\* | 0.294 | | 1.13 (0.91- 1.39)\* | 0.2884 | | 1.15 (0.89- 1.48)\* |
|  | GC | 25.38 | 27.09 | 30.62 | 26.09 | 17.14 |  | 0.94 (0.60-1.46) |  | 1.13 (0.66-1.93) |  | 0.96 (0.53-1.73) |  | | 0.63 (0.28-1.41) |  | | 0.66 (0.27-1.58) |
|  | CC | 4.62 | 2.08 | 6.12 | 4.35 | 2.86 |  | 2.21 (0.46-10.74) |  | 2.94 (0.51-17.01) |  | 2.09 (0.30-14.35) |  | | 1.37 (0.13-14.66) |  | | 0.66 (0.06-6.96) |
|  | Total | 91/33/6 (GG/GC/CC) | 68/26/2 (GG/GC/CC) | 31/15/3 (GG/GC/CC) | 32/12/2 (GG/GC/CC) | 28/6/1 (GG/GC/CC) | 0.5865 |  | 0.3772 |  | 0.7464 |  | 0.4968 | |  | 0.5692 | |  |
| rs7191779  (*MT1B*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | G | 51.2 | 47.4 | 55.1 | 45.7 | 52.9 | 0.4296 | 1.08 (0.82-1.41) | 0.2144 | 1.16 (0.84-1.61) | 0.7829 | 0.96 (0.66-1.41) | 0.4339 | | 1.12 (0.76-1.63) | 0.3634 | | 1.16 (0.74-1.80) |
|  | C | 48.8 | 52.6 | 44.9 | 54.3 | 47.1 |  | 0.93 (0.72-1.20) |  | 0.85 (0.59-1.23) |  | 1.03 (0.74-1.43) |  | | 0.89 (0.60-1.33) |  | | 0.87 (0.56-1.35) |
| Genotype | GG | 28.46 | 17.71 | 36.73 | 19.56 | 28.57 | 0.061 | 1.61 (0.96-2.68)\* | 1.13x10-2 | 2.07 (1.18- 3.65)\* | 0.7884 | 1.10 (0.53- 2.29)\* | 0.1738 | | 1.61 (0.82- 3.18)\* | 0.3433 | | 1.46 (0.66- 3.20)\* |
|  | GC | 45.39 | 59.37 | 36.73 | 52.18 | 48.57 |  | 0.76 (0.59-0.98) |  | 0.62 (0.41-0.92) |  | 0.88 (0.64-1.21) |  | | 0.82 (0.56-1.19) |  | | 0.93 (0.60-1.44) |
|  | CC | 26.15 | 22.92 | 26.54 | 28.26 | 22.86 |  | 1.14 (0.71-1.82) |  | 1.16 (0.64-2.09) |  | 1.23 (0.68-2.22) |  | | 1.00 (0.49-2.03) |  | | 0.81 (0.38-1.73) |
|  | Total | 37/59/34 (GG/GC/CC) | 17/57/22 (GG/GC/CC) | 18/18/13 (GG/GC/CC) | 9/24/13 (GG/GC/CC) | 10/17/8 (GG/GC/CC) | 0.0816 |  | 1.61x10-2 |  | 0.704 |  | 0.3681 | |  | 0.6182 | |  |
| rs2270836  (*MT1M*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | C | 60.4 | 62.5 | 62.2 | 59.8 | 58.6 |  | 0.97 (0.78-1.19) |  | 0.99 (0.76-1.30) |  | 0.96 (0.72-1.27) |  | | 0.94 (0.68-1.29) |  | | 0.98 (0.68-1.41) |
|  | T | 39.6 | 37.5 | 37.8 | 40.2 | 41.4 | 0.6481 | 1.06 (0.76-1.47) | 0.9662 | 1.01 (0.65-1.57) | 0.6594 | 1.07 (0.69-1.66) | 0.5632 | | 1.10 (0.69-1.77) | 0.8765 | | 1.10 (0.61-1.75) |
| Genotype | CC | 36.15 | 39.58 | 40.82 | 41.3 | 22.86 | 0.8671 | 0.91 (0.65-1.28)\* | 0.7814 | 1.03(0.68- 1.57)\* | 0.2869 | 1.04 (0.68- 1.59)\* | 0.1701 | | 0.58 (0.30- 1.11)\* | 9.90x10-2 | | 0.55 (0.28- 1.11)\* |
|  | CT | 48.47 | 45.84 | 42.85 | 36.96 | 71.43 |  | 1.06 (0.80-1.40) |  | 0.93 (0.63-1.38) |  | 0.81 (0.52-1.25) |  | | 1.56 (1.15-2.11) |  | | 1.93 (1.25-2.98) |
|  | TT | 15.38 | 14.58 | 16.33 | 21.74 | 5.71 |  | 1.05 (0.56-1.98) |  | 1.12 (0.50-2.48) |  | 1.49 (0.72-3.10) |  | | 0.39 (0.09-1.64) |  | | 0.39 (0.11-1.33) |
|  | Total | 47/63/20 (CC/CT/TT) | 38/44/14 (CC/CT/TT) | 20/21/8 (CC/CT/TT) | 19/17/10 (CC/CT/TT) | 8/25/2 (CC/CT/TT) | 0.8707 |  | 0.9319 |  | 0.4639 |  | 3.20x10-2 | |  | 1.30x10-2 | |  |
| rs9936741  (*MT1M*) |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | T | 98.1 | 97.4 | 98 | 96.7 | 100 | 0.6265 | 1.01 (0.97-1.05) | 0.7675 | 1.01 (0.95-1.06) | 0.7543 | 0.99 (0.93-1.06) | 0.1728 | | 1.03 (0.99-1.06) | 0.1273 | | 1.03 (0.98-1.10) |
|  | C | 1.9 | 2.6 | 2 | 3.3 | 0 |  | 0.73 (0.13-4.16) |  | 0.77 (0.08-7.76) |  | 1.27 (0.17-9.25) |  | | NA |  | | NA |
| Genotype | TT | 96.15 | 95.83 | 95.92 | 93.48 | 100 | 0.9025 | 1.00 (0.95-1.06)\* | 0.9748 | 1.00 (0.93- 1.07)\* | 0.5441 | 0.97 (0.89- 1.06)\* | 0.22 | | 1.04 (1.00- 1.09)\* | 0.1238 | | 1.07 (0.99- 1.15)\* |
|  | TC | 3.85 | 3.13 | 4.08 | 6.52 | 0 |  | 1.23 (0.30-5.02) |  | 1.31 (0.23-7.56) |  | 2.09 (0.44-9.94) |  | | NA |  | | NA |
|  | CC | 0 | 1.04 | 0 | 0 | 0 |  | NA |  | NA |  | NA |  | | NA |  | | NA |
|  | Total | 125/5/0 (TT/TC/CC) | 92/3/1 (TT/TC/CC) | 47/2/0 (TT/TC/CC) | 43/3/0 (TT/TC/CC) | 35/0/0 (TT/TC/CC) | 0.4877 |  | 0.7746 |  | 0.5102 |  | 0.4714 | |  | 0.1237 | |  |
| rs28366003  (*MT2A)* |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | A | 94.2 | 99 | 95.9 | 90.2 | 97.1 |  | 0.95 (0.91-1.00) |  | 0.96 (0.90-1.02) |  | 0.91 (0.82-0.99) |  | | 0.98 (0.92-1.04) | 8.26x10-2 | | 1.08 (0.96-1.20) |
|  | G | 5.8 | 1 | 4.1 | 9.8 | 2.9 | 0.009 | 5.80 (0.70-47.72) | 8.34x10-2 | 4.60 (0.43-48.90) | 4.40x10-4 | 9.80 (1.11-86.25) | 0.2889 | | 2.90 (0.18-45.98) |  | | 0.30 (0.03-2.43) |
| Genotype | AA | 88.46 | 97.92 | 91.84 | 80.43 | 94.28 | 7.72x10-3 | 0.90 (0.84-0.97) # | 8.21x10-2 | 0.94 (0.86- 1.02) # | 2.65x10-4 | 0.82 (0.71- 0.95)# | 0.2852 | | 0.96 (0.88- 1.05) # | 7.15x10-2 | | 1.17 (0.99- 1.38) # |
|  | AG | 11.54 | 2.08 | 8.16 | 19.57 | 5.72 |  | 5.54 (1.30-23.65) |  | 3.92 (0.74-20.65) |  | 9.39 (2.11-41.72) |  | | 2.74 (0.40-18.73) |  | | 0.29 (0.07-1.27) |
|  | GG | 0 | 0 | 0 | 0 | 0 |  | NA |  | NA |  | NA |  | | NA |  | | NA |
|  | Total | 115/15/0 (AA/AG/GG) | 94/2/0 (AA/AG/GG) | 45/4/0 (AA/AG/GG) | 37/9/0 (AA/AG/GG) | 33/2/0 (AA/AG/GG) | 7.72x10-3 |  | 8.21x10-2 |  | 2.65x10-4 |  | 0.2852 | |  | 7.15x10-2 | |  |
| rs1610216  (*MT2A)* |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | C | 66.9 | 64.1 | 67.3 | 66.3 | 67.1 | 0.5265 | 1.04 (0.86-1.26) | 0.5787 | 1.05 (0.82-1.34) | 0.7113 | 1.03 (0.80-1.33) | 0.6439 | | 1.05 (0.79-1.38) | 0.9107 | | 1.01 (0.74-1.38) |
|  | T | 33.1 | 35.9 | 32.7 | 33.7 | 32.9 |  | 0.92 (0.64-1.32) |  | 0.91 (0.56-1.47) |  | 0.94 (0.58-1.52) |  | | 0.92 (0.53-1.58) |  | | 0.98 (0.52-1.82) |
| Genotype | CC | 33.85 | 28.12 | 34.69 | 32.61 | 34.28 | 0.3597 | 1.20 (0.81-1.79)\* | 0.4158 | 1.23 (0.75- 2.03)\* | 0.5839 | 1.16 (0.69- 1.96)\* | 0.4948 | | 1.22 (0.70- 2.13)\* | 0.8744 | | 1.05 (0.57- 1.95)\* |
|  | CT | 66.15 | 71.88 | 65.31 | 67.39 | 65.72 |  | 0.92 (0.77-1.10) |  | 0.91 (0.71-1.15) |  | 0.94 (0.74-1.19) |  | | 0.91 (0.70-1.19) |  | | 0.97 (0.71-1.33) |
|  | TT | 0 | 0 | 0 | 0 | 0 |  | NA |  | NA |  | NA |  | | NA |  | | NA |
|  | Total | 44/86/0 (CC/CT/TT) | 27/69/0 (CC/CT/TT) | 17/32/0 (CC/CT/TT) | 15/31/0 (CC/CT/TT) | 12/23/0 (CC/CT/TT) | 0.3597 |  | 0.4158 |  | 0.5839 |  | 0.4948 | |  | 0.8744 | |  |
| rs10636  (*MT2A)* |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | G | 75.4 | 81.2 | 76.5 | 70.7 | 80 |  | 0.93 (0.81-1.06) |  | 0.94 (0.79-1.13) |  | 0.87 (0.71-1.07) |  | | 0.98 (0.81-1.19) |  | | 1.13 (0.88-1.45) |
|  | C | 24.6 | 18.8 | 23.5 | 29.3 | 20 | 0.1375 | 1.31 (0.78-2.19) | 0.345 | 2.24 (1.04-4.86) | 4.43x10-2 | 1.56 (0.84-2.87) | 0.8198 | | 1.91 (0.79-4.62) | 0.1752 | | 0.68 (0.31-1.52) |
| Genotype | GG | 56.92 | 67.71 | 59.18 | 50 | 62.86 | 0.7623 | 0.84 (0.69-1.03)\* | 0.8196 | 0.87 (0.67- 1.14)\* | 0.4248 | 1.52 (0.95- 2.45)\* | 0.5691 | | 0.93 (0.69- 1.24)\* | 0.2794 | | 1.26 (0.85- 1.85)\* |
|  | GC | 36.93 | 27.08 | 34.7 | 41.31 | 34.28 |  | 1.36 (0.92-2.03) |  | 1.28 (0.77-2.12) |  | 0.91 (0.63-1.32) |  | | 1.26 (0.72-2.22) |  | | 0.83 (0.47-1.47) |
|  | CC | 6.15 | 5.21 | 6.12 | 8.69 | 2.86 |  | 1.18 (0.40-3.50) |  | 1.17 (0.29-4.72) |  | 1.67 (0.47-5.93) |  | | 0.55 (0.07-4.53) |  | | 0.33 (0.04-2.81) |
|  | Total | 74/48/8 (GG/GC/CC) | 65/26/5 (GG/GC/CC) | 29/17/3 (GG/GC/CC) | 23/19/4 (GG/GC/CC) | 22/12/1 (GG/GC/CC) | 0.28512 |  | 0.5927 |  | 0.1252 |  | 0.6508 | |  | 0.3781 | |  |
| rs1580833  (*MT2A)* |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | C | 70.4 | 66.7 | 71.4 | 67.4 | 72.9 | 0.399 | 1.05 (0.88-1.26) | 0.4098 | 1.07 (0.85-1.34) | 0.9033 | 1.01 (0.79-1.29) | 0.3406 | | 1.09 (0.85-1.40) | 0.4531 | | 1.08 (0.81-1.44) |
|  | A | 29.6 | 33.3 | 28.6 | 32.6 | 27.1 |  | 0.89 (0.60-1.31) |  | 0.86 (0.51-1.45) |  | 0.98 (0.59-1.62) |  | | 0.81 (0.44-1.50) |  | | 0.83 (0.42-1.65) |
| Genotype | CC | 47.69 | 44.79 | 48.98 | 43.48 | 51.43 | 0.6654 | 1.06 (0.80-1.42)\* | 0.6323 | 1.09 (0.76- 1.57)\* | 0.8821 | 0.97 (0.65- 1.44)\* | 0.5004 | | 1.15 (0.78- 1.70)\* | 0.4777 | | 1.18 (0.75- 1.87)\* |
|  | AC | 45.39 | 43.75 | 44.9 | 47.83 | 42.86 |  | 1.04 (0.77-1.40) |  | 1.03 (0.70-1.51) |  | 1.09 (0.75-1.59) |  | | 0.98 (0.63-1.53) |  | | 0.90 (0.55-1.46) |
|  | AA | 6.92 | 11.46 | 6.12 | 8.69 | 5.71 |  | 0.60 (0.26-1.40) |  | 0.53 (0.16-1.83) |  | 0.76 (0.25-2.25) |  | | 0.50 (0.12-2.14) |  | | 0.66 (0.13-3.39) |
|  | Total | 62/59/9 (CC/AC/AA) | 43/42/11 (CC/AC/AA) | 24/22/3 (CC/AC/AA) | 20/22/4 (CC/AC/AA) | 18/15/2 (CC/AC/AA) | 0.4926 |  | 0.5801 |  | 0.839 |  | 0.5769 | |  | 0.7356 | |  |
| rs45570941  (*MT3)* |  | (n=130) | (n=96) | (n=49) | (n=46) | (n=35) |  |  |  |  |  |  |  | |  |  | |  |
| Allele | G | 89.6 | 86.5 | 90.8 | 89.1 | 88.6 | 0.3024 | 1.04 (0.94-1.14) | 0.2812 | 1.05 (0.93-1.18) | 0.5265 | 1.03 (0.91-1.17) | 0.6524 | | 1.02 (0.89-1.18) | 0.9107 | | 0.99 (0.85-1.16) |
|  | C | 10.4 | 13.5 | 9.2 | 10.9 | 11.4 |  | 0.77 (0.38-1.57) |  | 0.68 (0.25-1.88) |  | 0.81 (0.31-2.13) |  | | 0.81 (0.44-1.50) |  | | 1.04 (0.30-3.61) |
| Genotype | GG | 80.77 | 76.04 | 81.63 | 80.43 | 80 | 0.3903 | 1.06 (0.92-1.22)\* | 0.4424 | 1.07 (0.90- 1.28)\* | 0.5575 | 1.06 (0.88- 1.27)\* | 0.633 | | 1.05 (0.86- 1.28)\* | 0.9643 | | 0.99 (0.70- 1.24)\* |
|  | GC | 17.69 | 20.84 | 18.37 | 17.4 | 17.15 |  | 0.85 (0.50-1.45) |  | 0.88 (0.43-1.79) |  | 0.83 (0.40-1.75) |  | | 0.82 (0.36-1.88) |  | | 0.98 (0.38-2.58) |
|  | CC | 1.54 | 3.12 | 0 | 2.17 | 2.85 |  | 0.49 (0.08-2.89) |  | NA |  | 0.70 (0.07-6.51) |  | | 0.91 (0.10-8.50) |  | | 1.31 (0.08-20.29) |
|  | Total | 105/23/2 (GG/GC/CC) | 73/20/3 (GG/GC/CC) | 40/9/0 (GG/GC/CC) | 37/8/1 (GG/GC/CC) | 28/6/1 (GG/GC/CC) | 0.5854 |  | 0.4148 |  | 0.8336 |  | 0.8896 | |  | 0.9807 | |  |

n, number of subjects; OR, odds ratio; CI, confidence interval. The Bonferroni-corrected significance level for the allelic frequencies comparisons was 3.57x10-3 (0.05/14). Total indicate the general test of association in the 2- by-3 table of disease-by-genotype. The asterisk indicates the OR values and p values derived from comparison of the genotypic frequencies under the recessive model (GG *vs* GA+AA at rs11076161, CC *vs* AC+AA at rs11640851, AA *vs* AG+GG at rs8052394, CC *vs* AC+AA at rs7196890, CC *vs* CT+TT at rs8052334, CC *vs* GC+GG at rs964372, GG *vs* GC+CC at rs7191779, TT *vs* CT+CC at rs2270836, TT *vs* TC+CC at rs9936741, CC *vs* CT+TT at rs1610216, CC *vs* GC+GG at rs10636, CC *vs* AC+AA at rs1580833 and GG *vs* GC+CC at rs45570941).The hash symbol (#) indicates the OR values and p values derived from comparison of the genotypic frequencies under the dominant model (AA vs AG+GG at rs28366003) NA, the odds ratio was not available where the number of individuals with two copies of the risk allele was zero.