**Supplemental Table S11.** Capillary electrophoresis-based quantitative analysis of human retina RT-PCR products

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|-----------|------------------|-----------------|------------|
| 216       | 213 (deletion exon3) | 1,970           | 16,1%      |
| 348       | 355 (exon1-4)     | 0,663           | 5,4%       |
| 365       | 355 (exon1-4)     | 9,608           | 78,5%      |
| 365       | 355 (exon1-4)     | 12,241          | #          |
| 764       | 748 (exon7-11)    | 19,955          | 100,0%     |
| 585       | 566 (deletion exon15) | 3,667          | 17,8%      |
| 803       | 788 (exon13-17)   | 16,907          | 82,2%      |
| 338       | n.a              | 0,551           | 7,6%       |
| 496       | 503 (exon19-22)   | 5,740           | 79,6%      |
| 601       | n.a              | 0,534           | 7,4%       |
| 621       | n.a              | 0,387           | 5,4%       |
| 281       | n.a              | 1,272           | 5,9%       |
| 342       | n.a              | 0,601           | 2,8%       |
| 445       | 440 (exon21-24)   | 17,175          | 79,1%      |
| 478       | n.a              | 0,707           | 3,3%       |
| 496       | 503 (exon19-22)   | 2,294           | 100,0%     |
| 444       | 440 (exon21-24)   | 10,848          | 95,9%      |

| Average (%) | ST DEV |
|-------------|--------|
| 15,8%       | 0,4%   |
| 84,1%       | 0,4%   |
| 100,0%      | 0,0%   |
| 18,1%       | 0,5%   |
| 81,9%       | 0,5%   |
| 98,8%       | 14,4%  |
| 87,5%       | 11,9%  |
| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|----------|------------------|-----------------|------------|
| 368      | 357 (exon23-26)  | 10,006          | 100,0%     |
| 374      | 370 (exon25-27)  | 9,422           | 93,4%      |
| 643      | n.a              | 0,382           | 3,8%       |
| 735      | n.a              | 0,283           | 2,8%       |
| 184      | n.a              | 0,408           | 7,0%       |
| 495      | 495 (exon26-29)  | 5,057           | 86,9%      |
| 553      | n.a              | 0,351           | 6,0%       |
| 298      | 300 (exon29-31)  | 9,088           | 100,0%     |
| 261      | 258 (exon30-32)  | 6,946           | 97,6%      |
| 1352     | n.a              | 0,173           | 2,4%       |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|----------|------------------|-----------------|------------|
| 369      | 357 (exon23-26)  | 15,322          | 100,0%     |
| 375      | 370 (exon25-27)  | 8,717           | 96,3%      |
| 643      | n.a              | 0,335           | 3,7%       |
| 184      | n.a              | 0,361           | 4,5%       |
| 332      | n.a              | 0,334           | 4,1%       |
| 495      | 495 (exon26-29)  | 6,646           | 82,2%      |
| 553      | n.a              | 0,746           | 9,2%       |
| 299      | 300 (exon29-31)  | 5,588           | 100,0%     |
| 262      | 258 (exon30-32)  | 6,332           | 100,0%     |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|----------|------------------|-----------------|------------|
| 559      | 11,306           | 4,1%            |            |
| 643      | n.a              | 0,382           | 3,8%       |
| 735      | n.a              | 0,283           | 2,8%       |
| 184      | n.a              | 0,408           | 7,0%       |
| 495      | 495 (exon26-29)  | 5,057           | 86,9%      |
| 553      | n.a              | 0,351           | 6,0%       |
| 298      | 300 (exon29-31)  | 9,088           | 100,0%     |
| 261      | 258 (exon30-32)  | 6,946           | 97,6%      |
| 1352     | n.a              | 0,173           | 2,4%       |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|----------|------------------|-----------------|------------|
| 560      | 1,963            | 9,0%            |            |
| 560      | n.a              | 0,0%            |            |
| 560      | 1,963            | 9,0%            |            |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|----------|------------------|-----------------|------------|
| 560      | 1,963            | 9,0%            |            |
| 560      | n.a              | 0,0%            |            |
| 560      | 1,963            | 9,0%            |            |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|----------|------------------|-----------------|------------|
| 560      | 1,963            | 9,0%            |            |
| 560      | n.a              | 0,0%            |            |
| 560      | 1,963            | 9,0%            |            |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage |
|----------|------------------|-----------------|------------|
| 560      | 1,963            | 9,0%            |            |
| 560      | n.a              | 0,0%            |            |
| 560      | 1,963            | 9,0%            |            |
| Size (bp) | Actual size (bp) | Corr. peak area | Percentage | Size (bp) | Actual size (bp) | Corr. peak area | Percentage | Average (%) | ST DEV (%) |
|----------|------------------|-----------------|------------|----------|------------------|-----------------|------------|-------------|------------|
| 592      | 578 (exon32-37)  | 11,934          | 96,4%      | 592      | 578 (exon32-37)  | 19,113          | 92,3%      |             |            |
| 664      | n.a              | 0,451           | 3,6%       | 664      | n.a              | 1,339           | 6,5%       |             |            |
|          |                  | 12,385          |            |          |                  | 20,717          |            |             |            |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage | Average (%) | ST DEV (%) |
|-----------|------------------|-----------------|------------|-------------|------------|
| 619       | 610 (exon39-44)  | 10,694          | 92,8%      |             |            |
| 1296      | n.a              | 0,834           | 7,2%       |             |            |
|           |                  | 11,528          |            |             |            |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage | Average (%) | ST DEV (%) |
|-----------|------------------|-----------------|------------|-------------|------------|
| 172       | n.a              | 0,356           | 2,4%       |             |            |
| 329       | n.a              | 0,579           | 3,9%       |             |            |
| 382       | 378 (exon46-48)  | 12,249          | 83,6%      |             |            |
| 452       | n.a              | 0,467           | 3,2%       |             |            |
| 585       | n.a              | 0,720           | 4,9%       |             |            |
| 613       | n.a              | 0,288           | 2,0%       |             |            |
|           |                  | 14,659          |            |             |            |

| Size (bp) | Actual size (bp) | Corr. peak area | Percentage | Average (%) | ST DEV (%) |
|-----------|------------------|-----------------|------------|-------------|------------|
| 329       | n.a              | 0,346           | 5,2%       |             |            |
| 384       | 378 (exon46-48)  | 6,013           | 89,9%      |             |            |
| 586       | n.a              | 0,331           | 4,9%       |             |            |
|           |                  | 6,690           |            |             |            |

bp=base pair; n.a=not applicable; #=fractions of the same area under the peak; STDEV=standard deviation.