

Table 3. Detailed Changes of Visual Acuity, Fundus Appearance, Autofluorescence Pattern during the Follow-up Interval of 42 patients with Childhood-onset Stargardt Disease

| Pt | LogMAR VA | | | | | | Fds type | | | | AF type | | | | |
|----|-----------|------|------|-----------|------|------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------------|----|
| | BL | | FU | | BL | | FU | | Type transision | BL | | FU | | Type transision | |
| | Age (yrs) | R | L | Age (yrs) | R | L | Age (yrs) | Age (yrs) | | Age (yrs) | Age (yrs) | Age (yrs) | Age (yrs) | | |
| 1 | 6 | 1.00 | 0.78 | | NA | | 6 | 3b | 13 | 3b | | NA | | NA | |
| 2 | 7 | 0.48 | 0.48 | | NA | | 7 | 1 | | NA | | NA | | NA | |
| 3 | 7 | 1.30 | 1.20 | | NA | | 9 | 3b | 10 | 3b | | 9 | 2 | 10 | 2 |
| 4 | 7 | 0.10 | 0.20 | 12 | 0.05 | 0.20 | 10 | 3b | 12 | 3b | | NA | | NA | |
| 5 | 8 | 1.00 | 1.00 | | NA | | 9 | 3b | | NA | | 9 | 2 | | NA |
| 6 | 8 | 1.30 | 1.40 | | NA | | 11 | 3b | | NA | | 11 | 2 | | NA |
| 7 | 8 | 0.48 | 0.40 | 14 | 0.80 | 0.70 | 9 | 3a | 14 | 3b | ✓ | 9 | 1 | 14 | 1 |
| 8 | 8 | 0.48 | 0.48 | 15 | 1.40 | 1.60 | 16 | 3a | | NA | | 16 | 2 | | NA |
| 9 | 9 | 0.60 | 0.20 | 13 | 1.10 | 1.00 | 9 | 3b | 12 | 3b | | 9 | 2 | 13 | 2 |
| 10 | 9 | 0.70 | 0.70 | 13 | 1.10 | 1.20 | 9 | 3b | | NA | | 9 | 2 | 13 | 2 |
| 11 | 9 | 0.48 | 0.48 | 14 | 1.30 | 1.20 | 9 | 3b | 13 | 3b | | 9 | 2 | 13 | 2 |
| 12 | 9 | 1.00 | 1.00 | 14 | 1.10 | 0.90 | 10 | 3b | 13 | 3b | | 10 | 2 | 12 | 2 |
| 13 | 9 | 0.48 | 0.48 | 16 | 0.80 | 0.80 | 10 | 3a | 14 | 3b | ✓ | 10 | 1 | 16 | 1 |
| 14 | 9 | 0.60 | 0.48 | 16 | 1.00 | 1.00 | 10 | 3b | | NA | | 10 | 2 | | NA |
| 15 | 10 | 0.80 | 0.80 | | NA | | 10 | 3a | | NA | | 10 | 1 | | NA |
| 16 | 10 | 1.00 | 1.00 | 11 | 1.00 | 1.10 | 11 | 3b | | NA | | 11 | 2 | | NA |
| 17 | 10 | 0.30 | 0.30 | 14 | 0.30 | 0.30 | 10 | 3b | | NA | | 10 | 2 | | NA |

| | | | | | | | | | | | | | | | |
|----|----|------|------|----|------|------|----|----|----|----|----|----|----|----|----|
| 18 | 11 | 0.50 | 0.40 | | NA | | 11 | 3b | NA | | 11 | 2 | NA | | |
| 19 | 11 | 0.30 | 0.30 | | NA | | 11 | 3a | NA | | NA | | NA | | |
| 20 | 11 | 0.78 | 0.78 | | NA | | 11 | 3b | 12 | 3b | | 11 | 2 | 12 | 2 |
| 21 | 11 | 0.54 | 0.12 | 13 | 0.80 | 0.30 | 13 | 2 | NA | | | 13 | 2 | | NA |
| 22 | 11 | 1.00 | 1.00 | 16 | 1.00 | NA | 13 | 3b | 15 | 3b | | 15 | 2 | | NA |
| 23 | 12 | 0.18 | 0.18 | | NA | | 16 | 3b | NA | | | NA | | | NA |
| 24 | 12 | 1.00 | 0.90 | 15 | 1.00 | 1.00 | 12 | 3b | 15 | 3b | | 12 | 2 | 15 | 2 |
| 25 | 12 | 1.30 | 1.30 | 16 | 1.30 | 1.18 | 12 | 3b | 15 | 3b | | 13 | 2 | 16 | 2 |
| 26 | 12 | 1.00 | 1.00 | 16 | 1.00 | 1.00 | 12 | 3a | 16 | 3b | ✓ | 16 | 2 | | NA |
| 27 | 13 | 0.50 | 0.60 | | NA | | 13 | 3a | NA | | | 13 | 1 | | NA |
| 28 | 13 | 1.30 | 1.10 | 15 | 1.10 | 0.88 | 14 | 3b | NA | | | 14 | 2 | 15 | 2 |
| 29 | 13 | 1.00 | 1.18 | 16 | 0.78 | 0.78 | 15 | 3b | NA | | | NA | | | NA |
| 30 | 14 | 0.90 | 0.80 | | NA | | 15 | 3b | NA | | | 15 | 2 | | NA |
| 31 | 14 | 0.48 | 0.48 | | NA | | 14 | 3a | NA | | | 14 | 1 | | NA |
| 32 | 14 | 1.00 | 1.00 | 15 | 1.00 | 1.00 | | NA | NA | | | NA | | | NA |
| 33 | 14 | 0.18 | 0.20 | 16 | 0.36 | 0.36 | 16 | 3a | NA | | | 16 | 1 | | NA |
| 34 | 15 | 1.00 | 1.00 | | NA | | 15 | 3b | NA | | | 15 | 2 | | NA |
| 35 | 15 | 0.50 | 0.50 | | NA | | 15 | 3a | NA | | | 15 | 1 | | NA |
| 36 | 15 | 1.00 | 1.00 | 16 | 1.00 | 1.00 | 16 | 3b | NA | | | 16 | 2 | | NA |
| 37 | 15 | 0.18 | 0.18 | 16 | 0.75 | 0.56 | 15 | 3b | 16 | 3b | | 16 | 1 | | NA |
| 38 | 15 | 1.00 | 1.00 | 16 | 1.08 | 1.00 | 16 | 3b | NA | | | NA | | | NA |
| 39 | 15 | 0.80 | 0.80 | 16 | 0.80 | 0.80 | 15 | 3b | NA | | | 15 | 1 | | NA |
| 40 | 16 | 0.48 | 0.48 | | NA | | | NA | NA | | | NA | | | NA |

| | | | | | | | | | | |
|----|----|------|------|----|----|----|----|----|---|----|
| 41 | 16 | 1.00 | 1.00 | NA | NA | NA | NA | NA | | |
| 42 | 16 | 0.18 | 0.18 | NA | 16 | 3a | NA | 16 | 1 | NA |

AF type = autofluorescence type; BL = baseline; Fds type = fundus type; FU = follow-up; L = left; NA; LogMAR VA = logarithm of the minimum angle of resolution visual acuity; NA = not available; Pt = patient; R = right;