Additional file 4: Table S1. Vestibular Function Evaluation and results of proband of Family 1

|  |  |  |
| --- | --- | --- |
| Oculomotor function tests | ocular dysmetria test | normal |
| smooth pursuit test | type Ⅱ-Ⅲ |
| optokinetic nystagmus | normal |
| gaze test | negative |
| Positional nystagmus | spontaneous nystagmus | none |
| head-shaking nystagmus | none |
| positional nystagmus (supine, lateral position, hanging head, lateral hanging head) | none |
| Positioning nystagmus | Dix-Hallpike | negative |
| Roll | negative |
| Bithermal caloric test | 　 | 　 | direction | slow-phase velocity | fixation suppression |
| 44 | R |  | 0 |  |
|  | L | → | 9 | ＋ |
| 30 | R |  | 0 |  |
|  | L | ← | 13 | ＋ |