**Supplementary table 2: *SPG7* Heterozygous mutations and MRI features**

|  |  |  |  |
| --- | --- | --- | --- |
| *SPG7* mutation | Cerebellar atrophy in MRI | Dentate nucleus T2 hyperintensity | Other mutations detected |
| c.1045G>A | MILD | NEGATIVE | - |
| c.734A>G | MILD | **POSITIVE** | *PRRT2* |
| c.1529C>T | NONE | NEGATIVE | *GBA2* |
| c.1529C>T | NONE | NEGATIVE | - |
| c.1529C>T | NONE | NEGATIVE | - |
| c.1529C>T | NONE | NEGATIVE | - |
| c.1454\_1462del | SEVERE | **POSITIVE** | - |
| c.740G>A | NONE | NEGATIVE | - |