**Table S3. The position of protein domains in the longest DYNC1I1 and DYNC1I2 isoforms.**

|  |  |  |
| --- | --- | --- |
| **Structural feature/domain** | **DYNC1I1.A (amino acid)** | **DYNC1I2.D (amino acid)** |
| Coiled coil | 1 – 59 | 1 – 60 |
| DYNLT binding | 148 – 160 | 155 – 167 |
| DYNLL binding | 167 – 173 | 174 – 180 |
| Dimerisation | 187 – 244 | 194 – 253 |
| DYNLRB | 245 – 284 | 254 – 293 |
| WD40 repeats 1 2 3 4 5 6 7 | 285 – 326338 – 370388 – 420433 – 470482 – 514530 – 562575 - 607 | 294 – 335347 – 379396 – 429441 – 479491 – 523539 – 571584 – 616  |