Figure S1

**Thrash assay**

- *WT*
  - *lin-41(ma104)*
  - *unc-116(e2310)*
  - *dyn-1(ky51)*
  - *fzo-1(cjn020)*

- *osm-9(ok1677)*
  - *hsp-25(tm700)*
  - *cua-1(gk107)*
  - *hint-1(ok972)*
  - *nep-2(ok2846)*

**Body bend assay**

- *WT*
  - *lin-41(ma104)*
  - *unc-116(e2310)*
  - *fzo-1(cjn020)*

- *osm-9(ok1677)*
  - *hsp-25(tm700)*
  - *cua-1(gk107)*
  - *hint-1(ok972)*
  - *nep-2(ok2846)*