

Figure 1 – figure supplement 2

A Full-length SDC-2

| | <i>C. briggsae</i> | <i>C. elegans</i> | <i>C. japonica</i> | <i>C. brenneri</i> | <i>C. tropicalis</i> |
|----------------------|--------------------|-------------------|--------------------|--------------------|----------------------|
| <i>C. briggsae</i> | | | | | |
| <i>C. elegans</i> | 26 (43) | | | | |
| <i>C. japonica</i> | 24 (39) | 28 (45) | | | |
| <i>C. brenneri</i> | 24 (41) | 27 (45) | 23 (39) | | |
| <i>C. tropicalis</i> | 27 (42) | 26 (42) | 24 (38) | 29 (45) | |

SDC-2 N-terminal domain

| | <i>C. briggsae</i> | <i>C. elegans</i> | <i>C. japonica</i> | <i>C. brenneri</i> | <i>C. tropicalis</i> |
|----------------------|--------------------|-------------------|--------------------|--------------------|----------------------|
| <i>C. briggsae</i> | | | | | |
| <i>C. elegans</i> | 38 (58) | | | | |
| <i>C. japonica</i> | 38 (59) | 40 (58) | | | |
| <i>C. brenneri</i> | 39 (59) | 40 (57) | 36 (55) | | |
| <i>C. tropicalis</i> | 42 (60) | 40 (59) | 39 (58) | 45 (63) | |

SDC-2 C-terminal domain

| | <i>C. briggsae</i> | <i>C. elegans</i> | <i>C. japonica</i> | <i>C. brenneri</i> | <i>C. tropicalis</i> |
|----------------------|--------------------|-------------------|--------------------|--------------------|----------------------|
| <i>C. briggsae</i> | | | | | |
| <i>C. elegans</i> | 32 (51) | | | | |
| <i>C. japonica</i> | 25 (42) | 30 (47) | | | |
| <i>C. brenneri</i> | 24 (43) | 27 (47) | 24 (39) | | |
| <i>C. tropicalis</i> | 29 (46) | 30 (48) | 27 (42) | 32 (49) | |

B Full-length DPY-27

| | <i>C. briggsae</i> | <i>C. elegans</i> | <i>C. brenneri</i> | <i>C. tropicalis</i> | |
|----------------------|--------------------|-------------------|--------------------|----------------------|--|
| <i>C. briggsae</i> | | | | | |
| <i>C. elegans</i> | 38 (56) | | | | |
| <i>C. brenneri</i> | 34 (50) | 38 (56) | | | |
| <i>C. tropicalis</i> | 35 (54) | 38 (54) | 36 (52) | | |

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