**Figure 1–source data 3. Extracellular N-glycosylation sites (NGS) in non-chordate innexins with confirmed gap junction function.** The identified NGS have a high potential score (see Materials and Methods) and the amino acid distribution around the N-glycosylation motif shows no indications for an unoccupancy of the predicted NGSs (Petrescu, 2003)

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| **Species** | **Innexin**  **ID** | **Innexin**  **name** | **Accession**  **ID** | **N-glycosylation site (NGS)** | | | | **Experimental evidence for gap junction function** |
| **Position**  **EL1 EL2** | | **Amino acids around the NGS** | **Potenital score** |
|  |  |  |  |  |  |  |  |  |
| *Hydra vulgaris* | Cn\_Hvu\_11 | Innexin-2 | A0A5B8IE58 | N60 |  | IPPGSNLSQDFVH | 0.7254 | (Takaku et al., 2014) |

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| *Hirudo verbana* | An\_Hve\_02 | Innexin-6 | H9C4Q4 | N78 N93 |  | SICWVNGTYYVPF  YLPLPNQSRTAIL | 0.6874  0.7212 | (Firme et al., 2012) |

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| *Caenorhabditis elegans* | Ne\_Cel\_01 | Innexin-10 | Q22549 |  | 239 | LVDLLNGTTWEQS | 0.5980 | (Liu et al., 2013) |
| Ne\_Cel\_10 | Innexin-12 | O01634 | 99 |  | SEDKQNTTSLKQT | 0.5006 | (Kovacevic et al., 2013) |
| Ne\_Cel\_12 | Innexin unc-9 | O01393 |  | 223 | NTFLGNRSKWYGL | 0.6573 | (Starich et al., 2009) |

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| *Drosophila melanogaster* | Ar\_Dme\_01 | Innexin-6 | Q9VR82 | 104 |  | AAETFNVSSLRAL | 0.6536 | (Wu et al., 2011) |
| Ar\_Dme\_02 | Innexin-7 | Q9V3W6 | 83 |  | VVRDQNQTAYRPG | 0.5032 |

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