

CORRECTION

# Correction: *Caenorhabditis elegans* PAQR-2 and IGLR-2 Protect against Glucose Toxicity by Modulating Membrane Lipid Composition

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Some ORF names, lengths and mutations in [Table 1](#) are incorrect. Specifically, the ORF names and ORF lengths listed for the *paqr-2(et36)* and *paqr-2(et35)* alleles, and the ORF names and mutations listed for the *iglr-2(et34)*, *iglr-2(et37)* and *iglr-2(et38)* alleles. The shift by one amino acid position in the mutation column also applies to the *iglr-2* mutations indicated in [Fig 2](#). Please see the corrected [Table 1](#) and [Fig 2](#) here.



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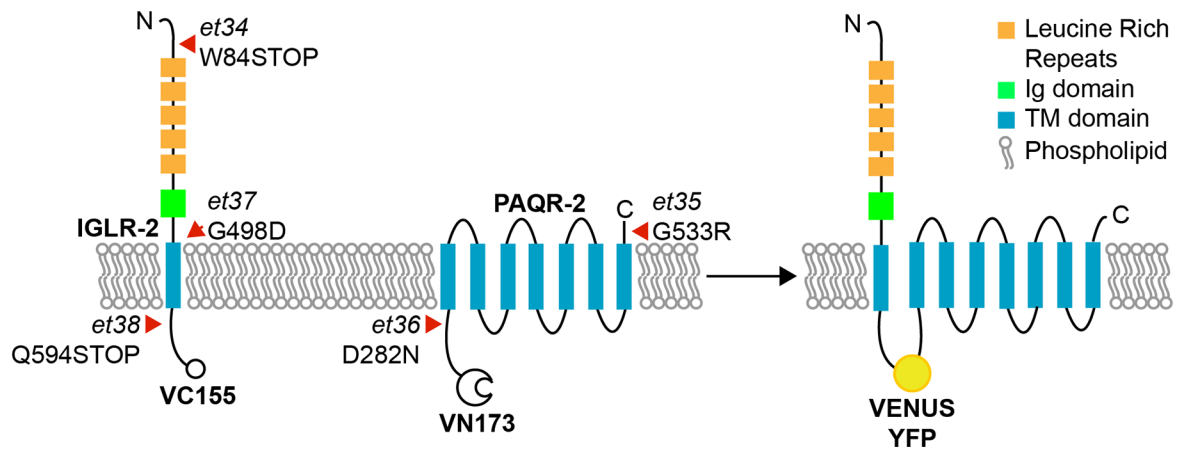
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**Table 1. Description of the novel *paqr-2* and *iglr-2* alleles.**

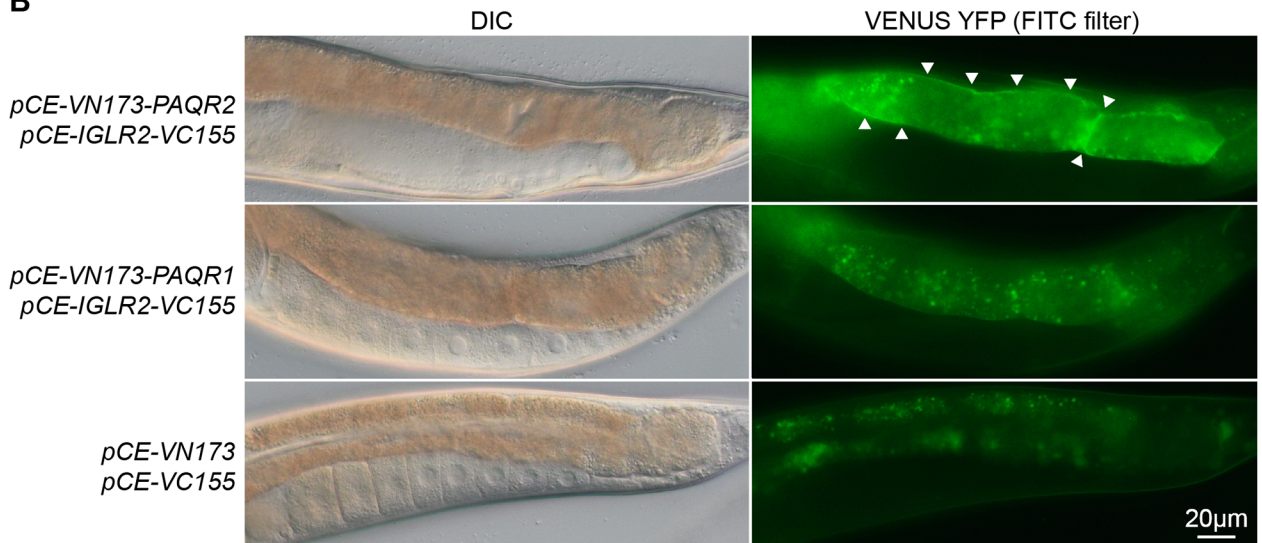
Gene(allele)	ORF name	ORF length	Mutation
<i>paqr-2(et36)</i>	Y32H12A.5	581 aa	D(GAT)282N(AAT)
<i>paqr-2(et35)</i>	Y32H12A.5	581 aa	G(GGA)533R(AGA)
<i>iglr-2(et34)</i>	ZC262.3a	773 aa	W(TGG)84STOP(TAG)
<i>iglr-2(et37)</i>	ZC262.3a	773 aa	G(GGT)498D(GAT)
<i>iglr-2(et38)</i>	ZC262.3a	773 aa	Q(CAA)594STOP(TAA)

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A



B



**Fig 2. Novel alleles of PAQR-2 and IGLR-2, and interaction of IGLR-2 with PAQR-2. (A)** Schematic structures of the IGLR-2 and PAQR-2 proteins, with novel mutations indicated by red arrowheads. The VC155 and VN173 fragments added to the C and N terminal ends of IGLR-2 and PAQR-2, respectively, allows reconstitution of a full and fluorescent VENUS YFP protein if the two proteins come into close proximity. **(B)** Result of the BiFC experiment showing that IGLR-2 and PAQR-2 contact each other on cellular membranes. The top two panels show a transgenic worm co-expressing the fusion proteins depicted in **(A)**; note the clear membrane-localized fluorescence indicative of IGLR-2 and PAQR-2 interaction. The middle two panels show a transgenic worm co-expressing the tagged IGLR-2 and a tagged PAQR-1 protein; note that only autofluorescent gut granules emit a signal, indicating that IGLR-2 and PAQR-1 do not interact with each other. The bottom two panels show a transgenic animal carrying the two empty vectors used in the BiFC experiments; note again that only autofluorescent gut granules emit a signal.

doi:10.1371/journal.pgen.1006112.g001

## Reference

1. Svensk E, Devkota R, Ståhlman M, Ranji P, Rauthan M, Magnusson F, et al. (2016) *Caenorhabditis elegans* PAQR-2 and IGLR-2 Protect against Glucose Toxicity by Modulating Membrane Lipid Composition. PLoS Genet 12(4): e1005982. doi: [10.1371/journal.pgen.1005982](https://doi.org/10.1371/journal.pgen.1005982) PMID: [27082444](https://pubmed.ncbi.nlm.nih.gov/27082444/)